



UNC
SCHOOL OF MEDICINE



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

Using NC DETECT for Injury Surveillance

JANUARY 25, 2024

Training Overview

Background on NC DETECT

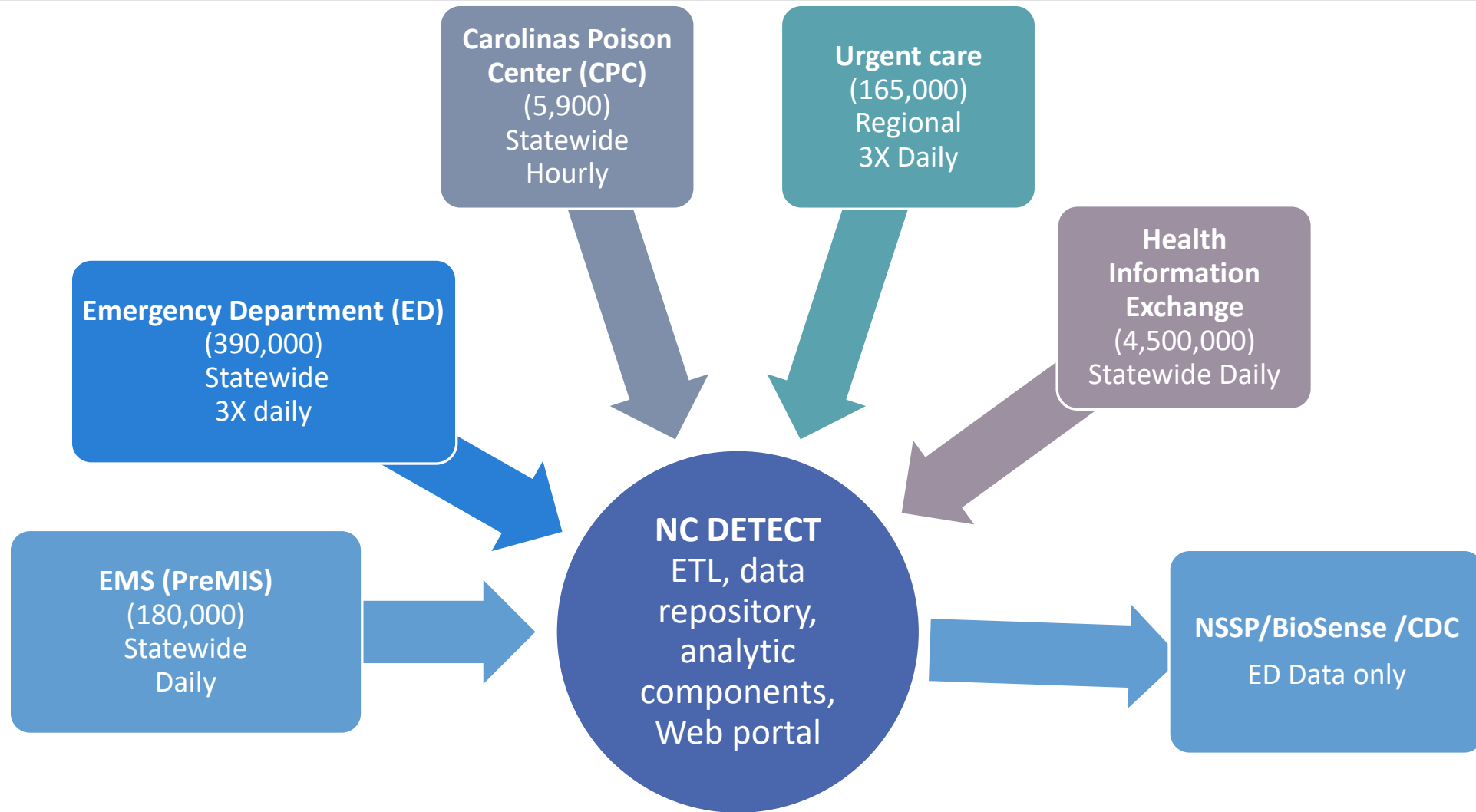
Using the NC DETECT Web App for Injury Reports

Public-facing NC DETECT-based Injury Reports

NC DETECT / Syndromic Surveillance Overview

- Using real-time data to understand what is happening to a community's health
 - Infectious diseases
 - Injuries
 - Natural and man-made disasters
 - Mass gatherings
- Focus is on timeliness over specificity
- In the U.S., the most common data source is emergency department (ED) data

NC DETECT Data Flow (monthly average volume)



Account Requests: <https://ncdetect.org>



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Home

The North Carolina Disease Event Tracking and Epidemiologic Collection Tool (NC DETECT) is North Carolina's statewide

UPDATES &
ANNOUNCEMENTS

NC DETECT Web Application User Roles

Public Health Agencies

- State-level
- Local-level

Data Providers

- Hospital-based
- EMS agencies
- NC Poison Control Center

Sharing ED Data with Partners

- When making ED data available publicly, please follow data suppression guidelines: <https://ncdetect.org/data/sharing-nc-detect-ed-visit-data-with-non-nc-detect-users/>
 - No data sharing by ED Facility
 - Can share counts ≥ 5
 - Suppress counts < 5 if count of total ED visits for that group is < 500

ED Data Considerations for Injuries

- **ED visits** with a diagnosis/condition (not the number of people)
- Transition from ICD-9-CM to ICD-10-CM on 10/1/2015 may impact trends
- Hospital internal workflow changes / data quality issues may impact trends
- Definitions include all ICD codes which may reflect co-morbid conditions and not the primary reason for the ED visit
- There is no national requirement for mandatory ICD-10-CM external cause code reporting.
- If injury intent is not clearly documented in the electronic health record physician documentation it *defaults* to unintentional per coding guidance.
 - <https://www.cms.gov/files/document/fy-2024-icd-10-cm-coding-guidelines.pdf> (starting page 86)

NC DETECT Web App

Injury Indicators in NC DETECT

- Overdose (& substance use)
- Transport-related
- Falls
- Firearm-related Injuries
- Self-Inflicted injury (& mental health)
- Assault / Maltreatment
- Weather-related injuries
- Animal-related injuries
- Build your own injury definition(s)

Syndrome and Custom Event Definitions



The screenshot displays the NC DETECT website interface. At the top, there are logos for NC DETECT, the NC Department of Health and Human Services Division of Public Health, and the UNC School of Medicine. A search bar is located on the right. Below the logos is a dark blue navigation bar with the following links: Home, About, Data, Dashboards, Reports, FAQ, Training, Account Request, and Login. The 'Data' link is highlighted with a green circle. A dropdown menu is visible under 'Data', listing the following options: Data Elements, Data Requests for Applied Public Health Research, Syndrome & Custom Event Definitions – ED, Syndrome Definitions – EMS, Syndrome Definitions – HIE, Syndrome Definitions – NCPC, and Syndrome Definitions – Urgent Care. The main content area on the left features a 'Home' section with a brief description of the tool and its purpose.

NC DETECT

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Search this site

Home About **Data** Dashboards Reports FAQ Training Account Request Login

Data Elements

Data Requests for Applied Public Health Research

Syndrome & Custom Event Definitions – ED

Syndrome Definitions – EMS

Syndrome Definitions – HIE

Syndrome Definitions – NCPC







Syndrome Definitions – Urgent Care

Home

The North Carolina syndromic surveillance tool (NC DETECT) is North Carolina's statewide syndromic surveillance tool. It was developed in collaboration with the North Carolina Division of Public Health (NC DPH) in 2004 to address the need for a tool that could integrate and analyze secondary data sources from emergency departments, [North Carolina Poison Control](#), and select urgent care centers.

[Case Definitions](#) ▾[Region Map](#)[Training](#)[User Guide](#)

REPORTS

 [Dashboard](#) ▾ [Overall Counts](#) [Line Listing](#) [Table Generator](#) [Graph Generator](#) [Map Generator](#) [ED Custom Search](#) [ED MRN](#) [Annotation Reports](#) [PHE Surveillance](#) ▾ [Peer County Reports](#) ▾

• Dashboard

- **Counts Dashboard:** (former landing page). This report shows graphs of statewide counts for the previous 10 days across all data sources that are updated at least once daily.
- **Predesigned Dashboards:** Allows users to view trends and various graphs on the same page for a common indicator, e.g., COVID, Flu, Overdose, Firearm-related Injury, etc. Users can customize locations, date ranges and grouping options.

- **Overall Counts:** Use this report to retrieve tabular denominator data for ED, UC, or EMS data in vertical or horizontal format for user-defined date ranges and locations. Sparkline trends are also available.

- **Line Listing:** View detailed record-level data for all data sources available based on your user role. All reports allow sorting and tabular and column-based filtering as well as customizable date ranges and location selection. Some reports include additional map features. CSV download options are available for results sets that are $\geq 50,000$ and no more than 250,000 records.

- **Table Generator:** Generate tabular data for select data sources, grouped by up to 4 different criteria. Users can define date range and location types, and can also filter data by age group, sex, race, etc.

- **Graph Generator:** Generate graphs for select data sources, date ranges and locations. Compare trends for two or more syndromes, even across data sources. User-defined filtering and group by options are also available.

- **ED MRN:** Enter an ED Internal Tracking ED to retrieve detailed record-level information.

- **Annotation Reports:** View and add comments to NC DETECT-generated signals for select data sources. Users can also create new “events” for public health issues of concern in their jurisdiction.


• Peer County Reports

- **County-Level Graph Generator:** Access all the features of the Graph Generator described above for ED data for all 100 counties. For LHD users, this report allows you to compare your county trends to one or more peer counties.

Predesigned Dashboard

OVERDOSE

Predesigned Dashboards

 Note: Date ranges include buffers to accommodate potential data delays. By date search searches update on the 15th of every month. The default date parameters are by week. For t 2021. For other dashboards the default dates are the previous 12 weeks.

Location Type	Details
County	Patient’s County of Residence
Hospital	Hospital(s) located in your county(ies)
Region	Groupings of Counties (Patient Residence)

Dashboard Options: [Check All](#) [Uncheck All](#)

☐ Data Quality ☐ COVID-19 ☐ Firearm ☐ Flu ☒ Overdose ☐ Mental Health

Select dashboard(s) of interest

Select Data Source: **ED** UC

Location Options:

Location Type:

County Region Hospital

Location:

Select...


Location(s) based on user role

Parameters: [Change Default Parameters](#)

Change dates and outputs here

Search

Predesigned Dashboards

 Note: Date ranges include buffers to accommodate potential data delays. By date searches have a 2-day buffer, by week searches update every Tuesday and by month searches update on the 15th of every month. The default date parameters are by week. For the COVID-19 and Flu dashboards the default dates start with week ending June 26, 2021. For other dashboards the default dates are the previous 12 weeks.

Dashboard Options: [Check All](#) [Uncheck All](#)

☐ Data Quality ☐ COVID-19 ☐ Firearm ☐ Flu ☒ Overdose ☐ Mental Health

Select Data Source:

ED

UC

Location Options:

Location Type:

County

Region

Hospital

Location:

5 TRIAD AREA x

x

v

Parameters:

[Use Default Parameters](#)

Include graphs (if available) that stratify data by: [Check All](#) [Uncheck All](#)

☒ Overall Counts ☒ Gender ☒ Age Group 6 ☒ Disposition ☒ Transport Mode ☒ Insurance Coverage ☒ Race ☒ Ethnicity ☒ Definition

Graph X-Axis Options:

Date

Week

Month

Date Range Options:

3 months

6 months

12 months

Other

Include Previous Year:

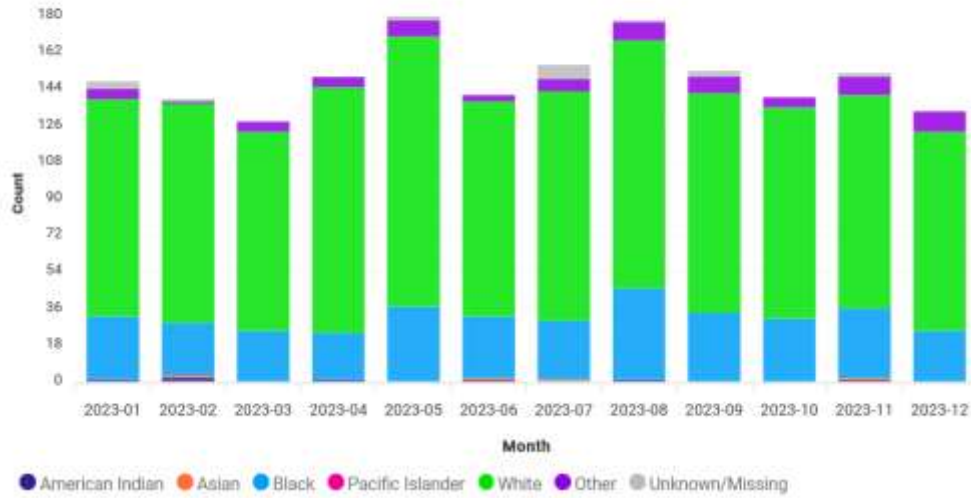
Yes

No

Search

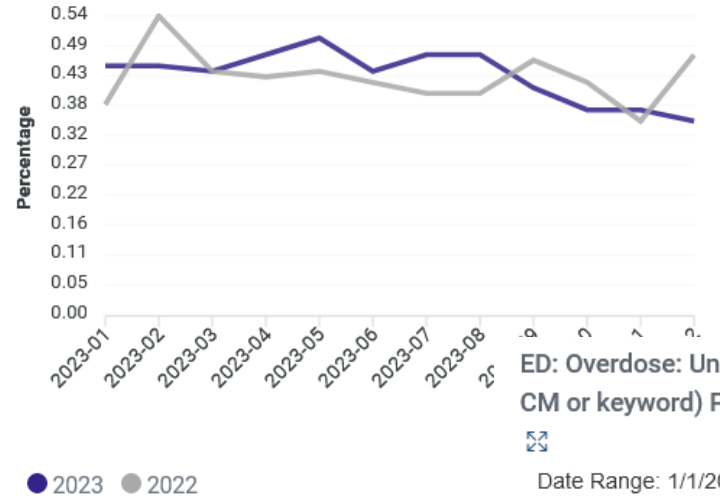
ED: Overdose: Opioid Overdose V.2 Counts Grouped by Race

Date Range: 1/1/2023 - 12/31/2023
Region: 5 TRIAD AREA
Source: NC DETECT; Generated: 1/21/2024



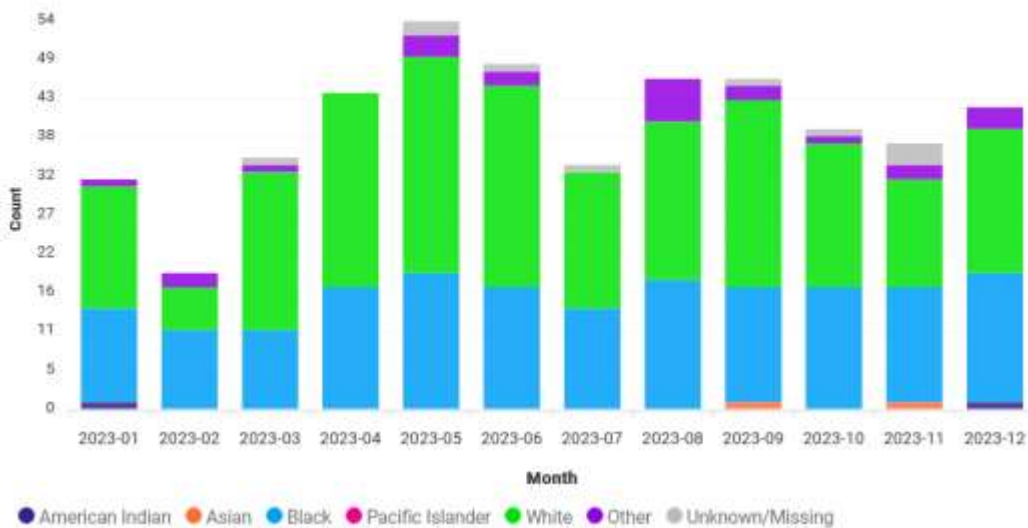
ED: Overdose: Unint/Undet Med or Drug OD (>14/<66) (ICD-10-CM) Percentage of Total ED Visits Grouped by Month

Date Range: 1/1/2023 - 12/31/2023
Region: 5 TRIAD AREA
Source: NC DETECT; Generated: 1/21/2024



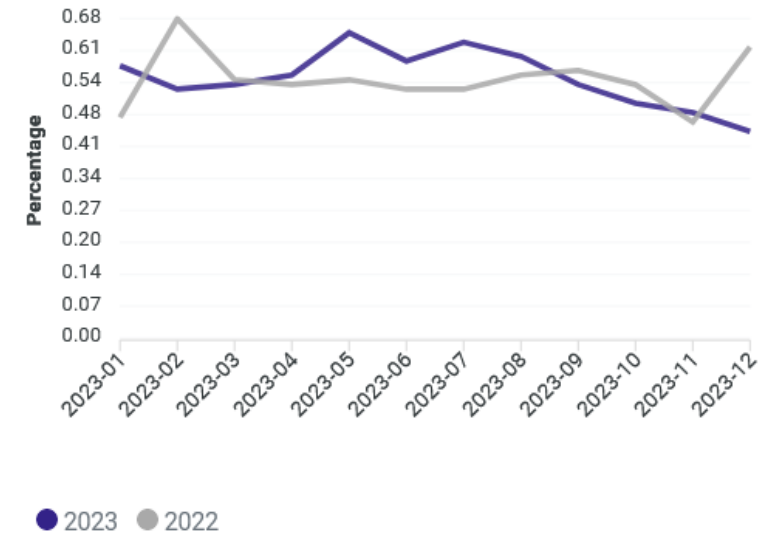
ED: Overdose: Stimulant Overdose (ICD-10-CM) Counts Grouped by Race

Date Range: 1/1/2023 - 12/31/2023
Region: 5 TRIAD AREA
Source: NC DETECT; Generated: 1/21/2024



ED: Overdose: Unint/Undet Med or Drug OD (>14/<66) (ICD-10-CM or keyword) Percentage of Total ED Visits Grouped by Month

Date Range: 1/1/2023 - 12/31/2023
Region: 5 TRIAD AREA
Source: NC DETECT; Generated: 1/21/2024



Graph Generator

Graph Generator VS. Peer County GG

Graph Generator

Select Graph Type: **Time Series Graph** Vertical Bar Graph

Select Data Source: **ED** EMS HIE-I HIE-O UC NCPC DEATHS

Select Definitions: Select... ▼

From
07/10/2023

Date Range: To
07/20/2023

Select Location Type: **County** Region Hospital

Select Location: All is selected x ▼

County-Level Graph Generator

Select Graph Type: **Time Series Graph** Vertical Bar Graph

Select Data Source: **ED**

Select Definitions: Select... ▼

From
07/11/2023

Date Range: To
07/21/2023

Select Location Type: **County** Region

Select Location: All is selected x |

Optional Filters:

Graph Options

Stratify Data By:

- ☒ Select all
- ☒ Alamance
- ☒ Alexander
- ☒ Alleghany

County-Level Graph Generator

Select Graph Type:

Time Series Graph

Vertical Bar Graph

Select Data Source:

ED

Select Definitions:

ED: Injury: Transport - Pedestrian vs. MVT x

ED: Injury: Transport - Pedestrian-Related x

x

▼

From

01/01/2017

Date Range:

To

12/31/2023

Select Location Type:

County

Region

Select Location:

All is selected x

x

▼

Optional Filters:

Yes

No

Graph Options

Stratify Data By:

Definition

X-Axis options:

Date

Week

Month

Y-Axis options:

Counts

Percentage of Total

Generate Graph

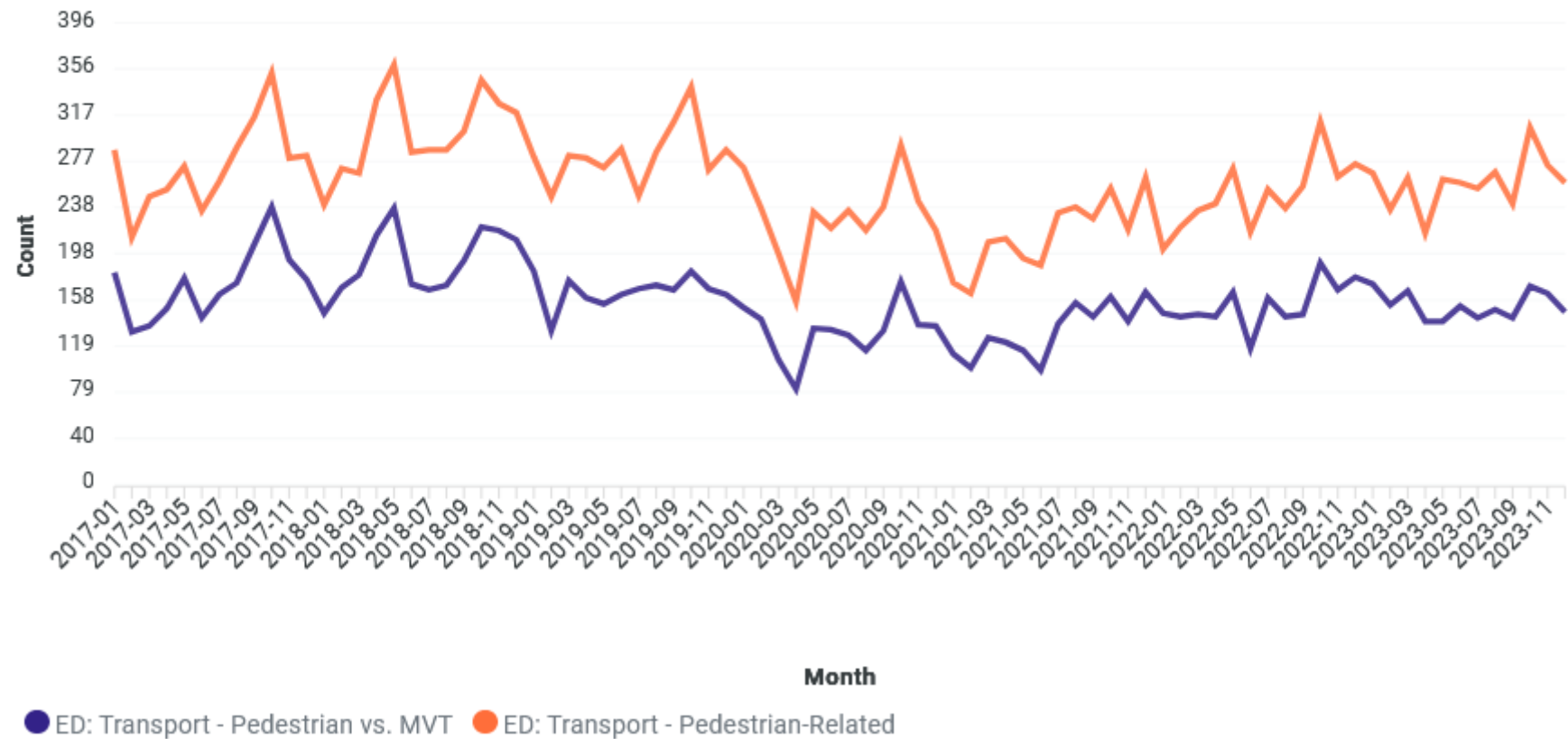
Pedestrian-Related

Counts by Definition

Date Range: 1/1/2017 - 12/31/2023

County: All NC Counties

Source: NC DETECT; Generated: 1/21/2024



County-Level Graph Generator

Filter by Specific Age Group(s)

Select Graph Type:

Time Series Graph

Vertical Bar Graph

Select Data Source:

ED

Select Definitions:

ED: Injury: Transport - Pedestrian vs. MVT x ED: Injury: Tra

Date Range:

From

01/01/2017

To

12/31/2023

Select Location Type:

County

Region

Select Location:

All is selected x

Optional Filters:

Yes

No

Age Group 9

Age Group 6

☐ Check All

- ☐ (00 - 01) Infant
- ☐ (02 - 04) PreSchool
- ☐ (05 - 09) Elem. School
- ☐ (10 - 14) Middle School
- ☐ (15 - 18) High School
- ☐ (19 - 24) College
- ☐ (25 - 44) Young Adult
- ☐ (45 - 64) Middle Aged
- ☐ (65+) Senior
- ☐ Unknown/Missing

☐ Check All

- ☐ (00 - 04) Infant/Toddler
- ☒ (05 - 17) School-Age
- ☐ (18 - 24) College
- ☐ (25 - 49) Young Adult
- ☐ (50 - 64) Middle Aged
- ☐ (65+) Senior
- ☐ Unknown/Missing

Pedestrian-Related: Ages 5-17

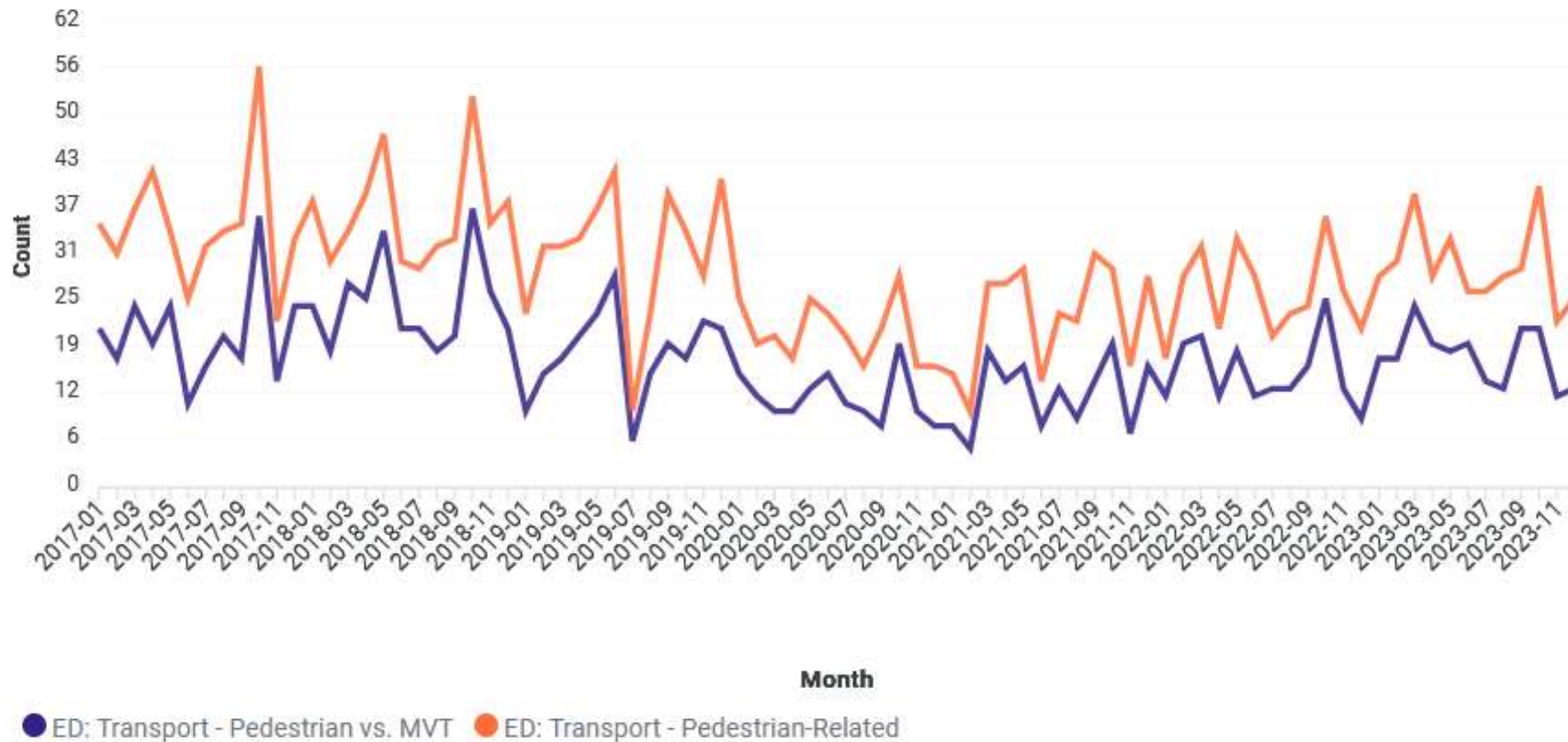
Counts by Definition

Date Range: 1/1/2017 - 12/31/2023

County: All NC Counties

Age Group: (05 - 17) School-Age

Source: NC DETECT; Generated: 1/21/2024



Include Previous Years

Graph Generator

Select Graph Type:

Time Series Graph

Vertical Bar Graph

Select Data Source:

ED

EMS

HIE-I

HIE-O

UC

NCPC

DEATHS

Select Definitions:

ED: Injury: Transport - Pedestrian-Related x

x

v

From

10/01/2023

Date Range:

To

10/31/2023

Select Location Type:

County

Region

Hospital

Select Location:

All is selected x

x

v

Optional Filters:

Yes

No

Graph Options

Stratify Data By:

None

County

Age Group 9

Age Group 6

Gender

Race

Ethnicity

Disposition

Insurance Coverage

Transport Mode

X-Axis options:

Date

Week

Month

Y-Axis options:

Counts

Percentage of Total

Other Options:

Include Previous Years:

Yes

No

Include 1 previous year

Include 2 previous years

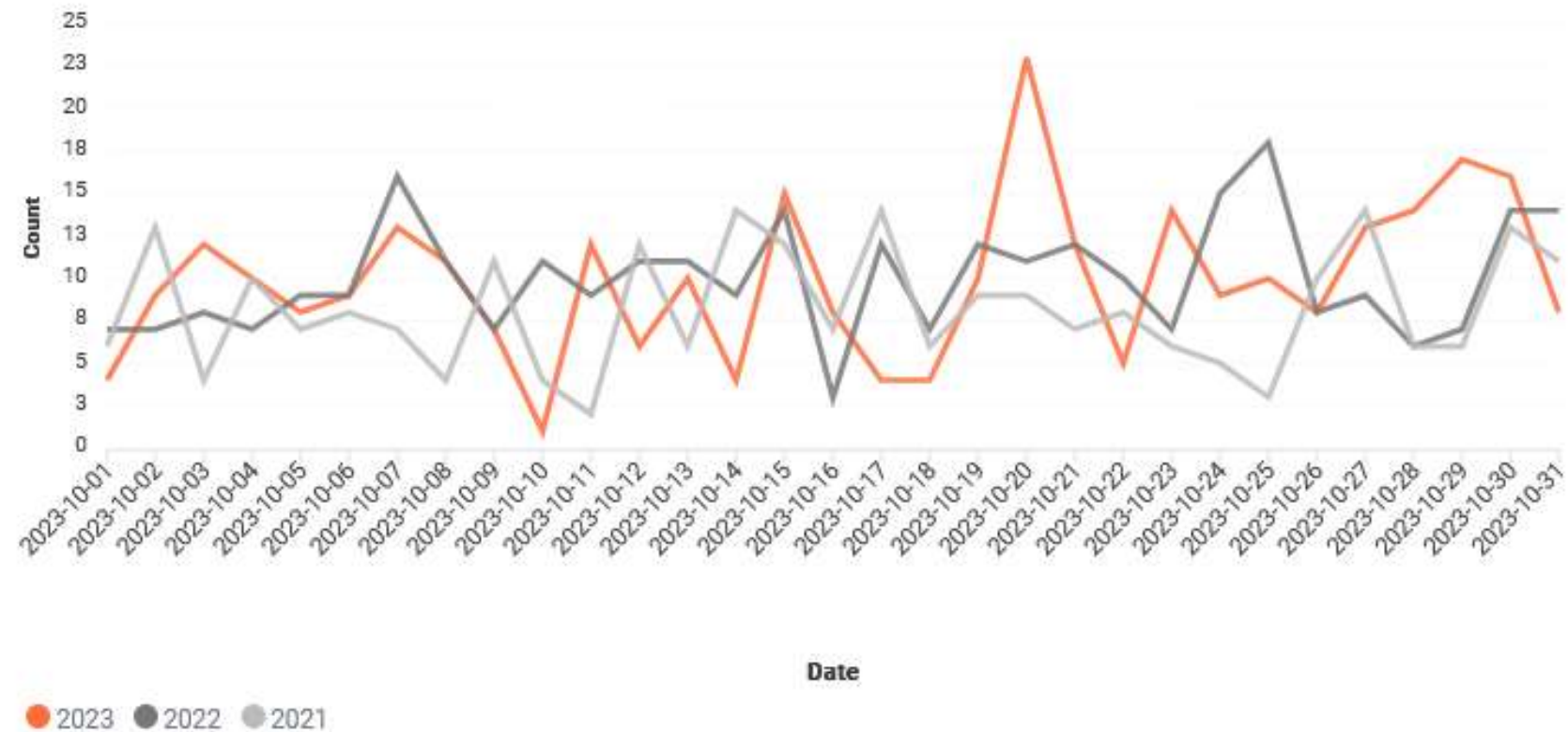
Include Previous Years

ED: Transport - Pedestrian-Related Counts by Date

Date Range: 10/1/2023 - 10/31/2023

County: All NC Counties

Source: NC DETECT; Generated: 1/21/2024



Compare Counties Graphically (% of Total ED Visits)

County-Level Graph Generator

Select Graph Type:

Select Data Source:

Select Definitions:

From:

Date Range: To:

Select Location Type:

Select Location:

Optional Filters:

Graph Options

Stratify Data By:

X-Axis options:

Y-Axis options:

Compare Counties Graphically (% of Total ED Visits)

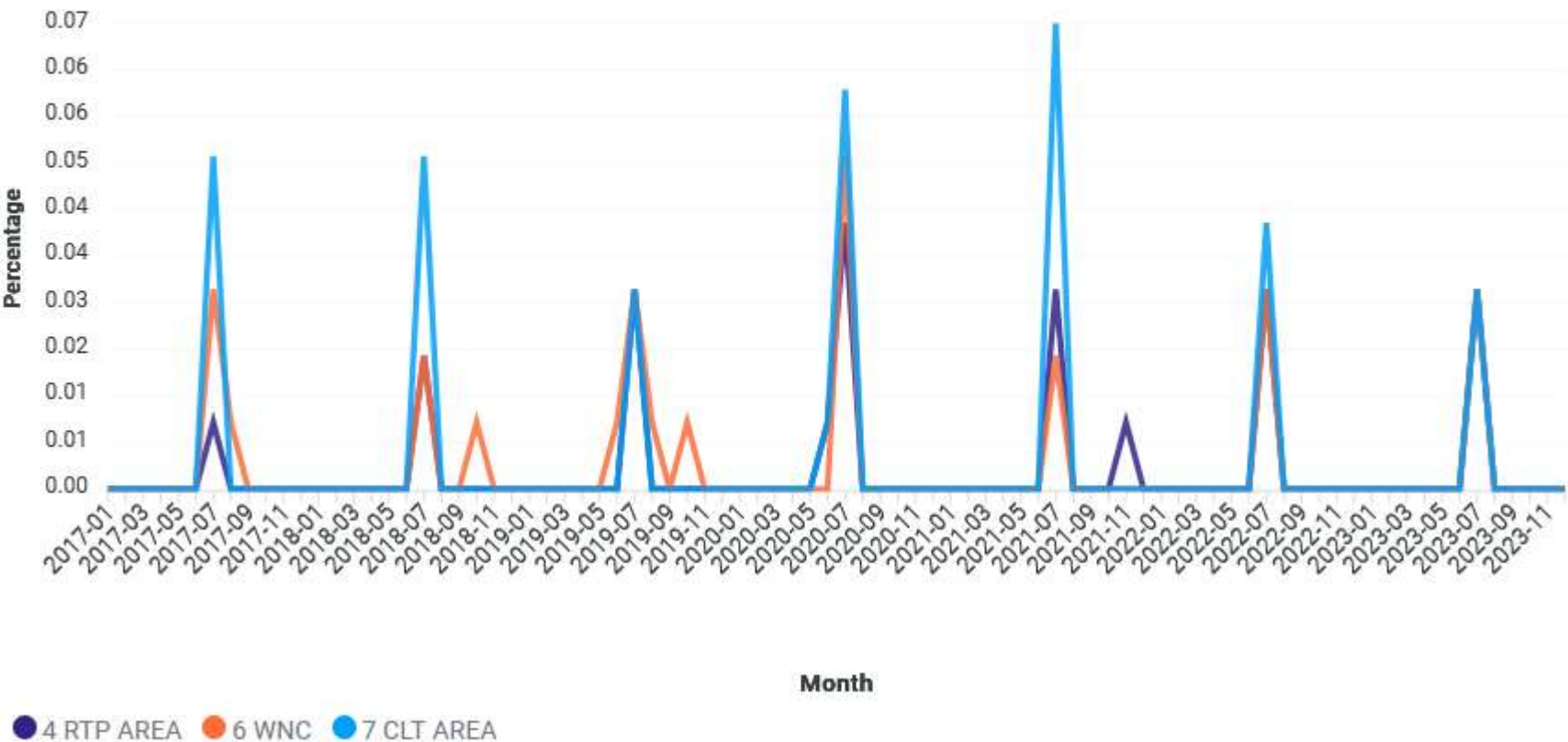
ED: Fireworks-related Percentage Of Total ED Visits by Region



Date Range: 1/1/2017 - 12/31/2023

Region: 4 RTP AREA, 6 WNC, 7 CLT AREA

Source: NC DETECT; Generated: 1/21/2024



Bar Graphs

County-Level Graph Generator

Select Graph Type:

Time Series Graph

Vertical Bar Graph

Select Data Source:

ED

Select Definition:

ED: Injury: Falls - Unintentional (ICD-9/10-CM)

From

01/01/2023

Date Range:

To

12/31/2023

Select Location Type:

County

Region

Select Location:

All is selected x

x | v

Optional Filters:

Yes

No

Graph Options

Stratify Data By:

County

Age Group 9

Age Group 6

Gender

Race

Ethnicity

Disposition

Insurance Coverage

Transport Mode

Y-Axis options:

Counts

Percentage of Total

Proportions

Generate Graph

2023 Unintentional Falls: Age Group Breakdown

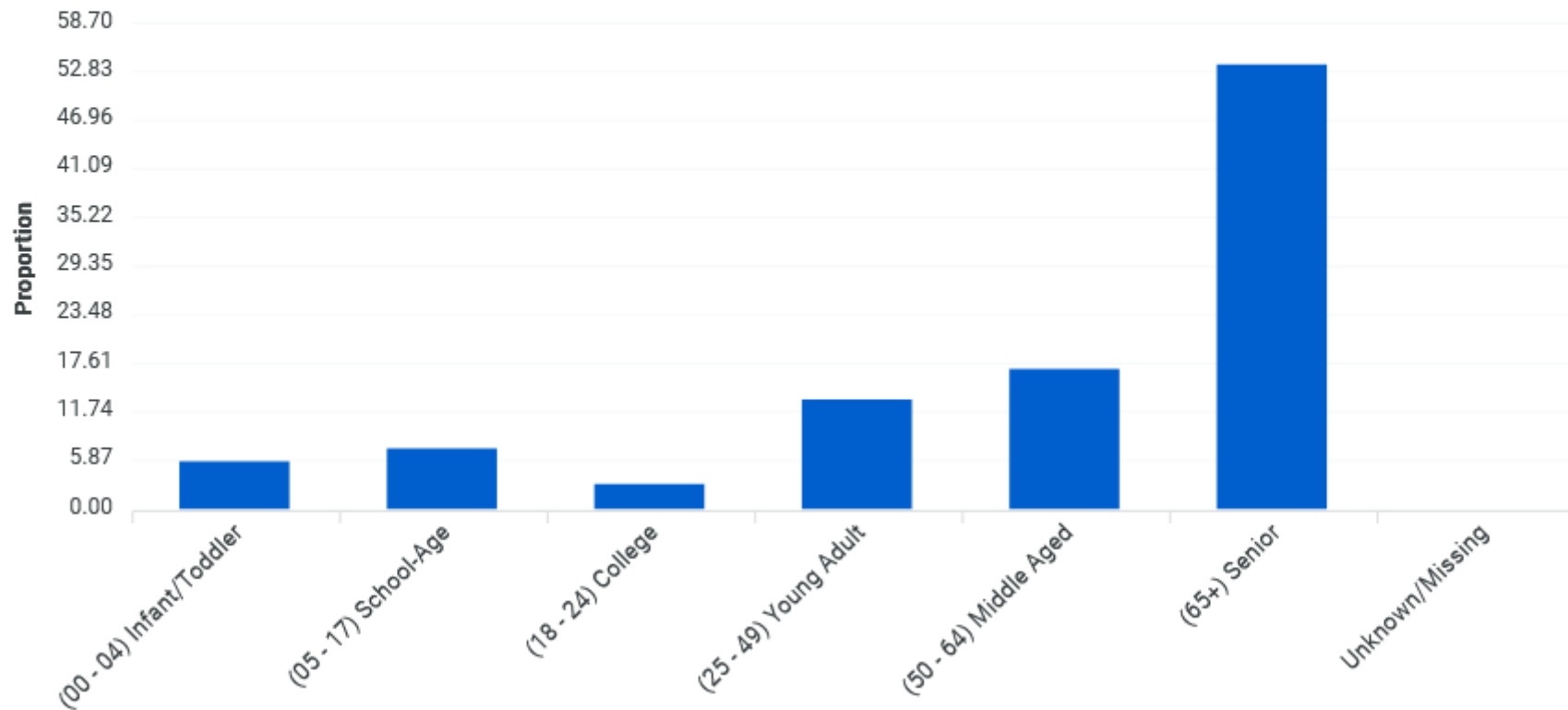
ED: Falls - Unintentional (ICD-9/10-CM) Proportions by Age Group



Date Range: 1/1/2023 - 12/31/2023

County: All NC Counties

Source: NC DETECT; Generated: 1/21/2024



Falls Time Series by Age Group

County-Level Graph Generator

Select Graph Type:

Time Series Graph

Vertical Bar Graph

Select Data Source:

ED

Select Definitions:

ED: Injury: Falls - Unintentional (ICD-9/10-CM) X

X

▼

Date Range:

From

01/01/2023

To

12/31/2023

Select Location Type:

County

Region

Select Location:

All is selected X

X

▼

Optional Filters:

Yes

No

Graph Options

Stratify Data By:

None

County

Age Group 9

Age Group 6

Gender

Race

Ethnicity

Disposition

X-Axis options:

Date

Week

Month

Y-Axis options:

Counts

Percentage of Total

Proportions

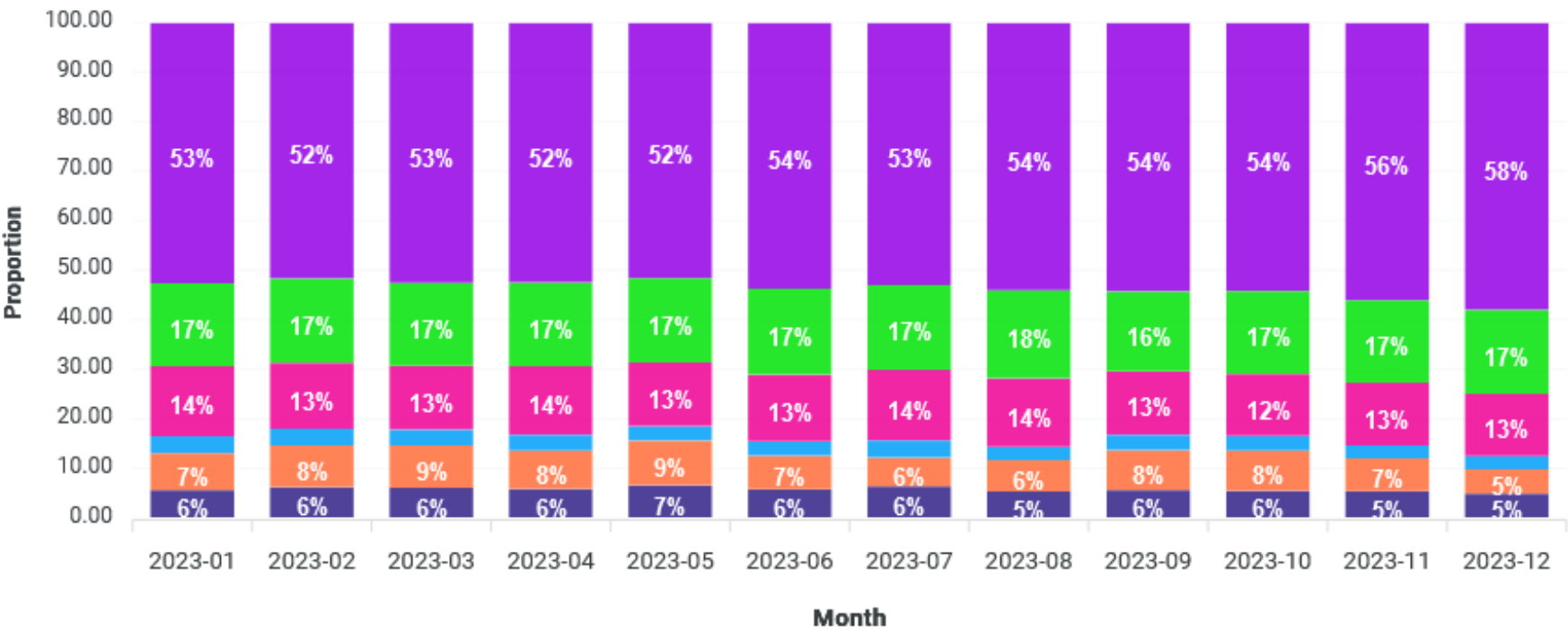
Generate Graph

Falls Time Series by Age Group (Proportions)

ED: Falls - Unintentional (ICD-9/10-CM) Proportions by Age Group



Date Range: 1/1/2023 - 12/31/2023
County: All NC Counties
Source: NC DETECT; Generated: 1/21/2024



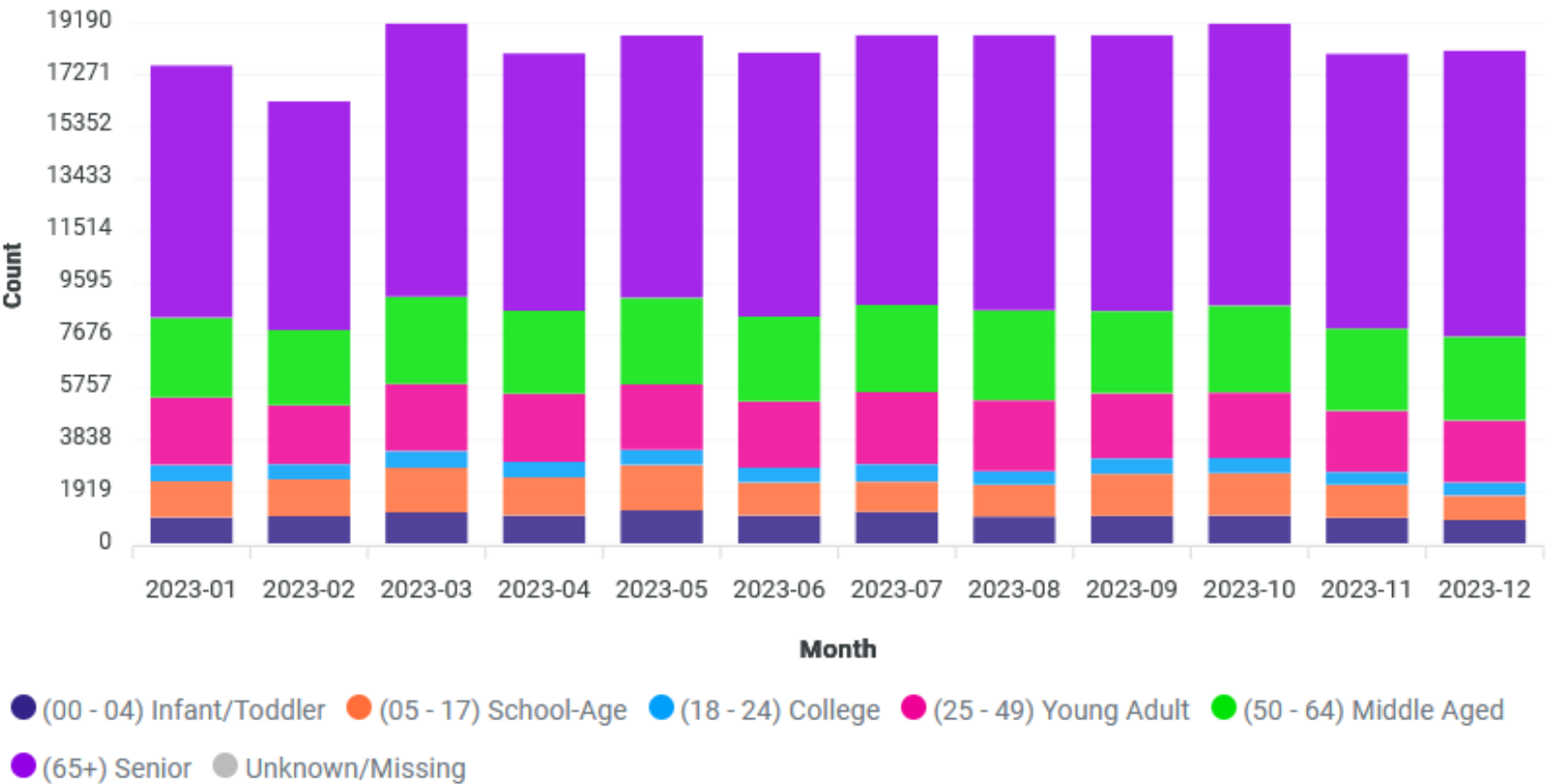
- (00 - 04) Infant/Toddler
- (05 - 17) School-Age
- (18 - 24) College
- (25 - 49) Young Adult
- (50 - 64) Middle Aged
- (65+) Senior
- Unknown/Missing

Falls Time Series by Age Group (Counts)

ED: Falls - Unintentional (ICD-9/10-CM) Counts by Age Group



Date Range: 1/1/2023 - 12/31/2023
County: All NC Counties
Source: NC DETECT; Generated: 1/21/2024



Falls Time Series by Age Group (% of Total ED Visits)

ED: Falls - Unintentional (ICD-9/10-CM) Percentage Of Total ED Visits by Age Group

Date Range: 1/1/2023 - 12/31/2023
County: All NC Counties
Age Group: (00 - 04) Infant/Toddler, (05 - 17) School-Age, (18 - 24) College, (25 - 49) Young Adult
(50 - 64) Middle Aged, (65+) Senior
Source: NC DETECT; Generated: 1/24/2024

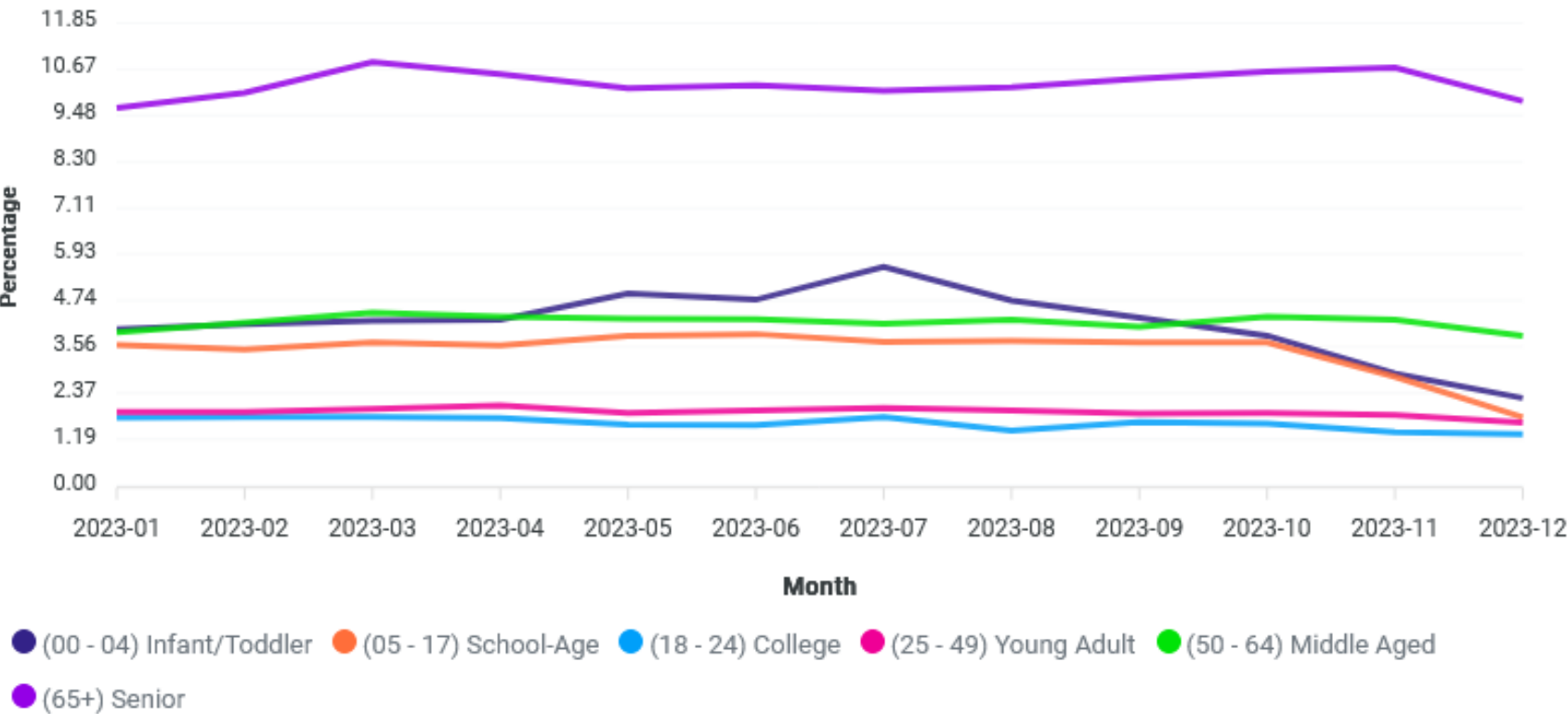


Table Generator

Table Generator

Table Generator

Select Data Source:

ED

EMS

HIE-I

HIE-O

UC

NCPC

DEATHS

Select Definition:

ED: Injury: All Injuries (ICD-10-CM)▼

From

01/01/2023

Date Range:

To

12/31/2023

Select Location Type:

County

Region

Hospital

Location Options:

[Change locations](#)

Location: All

Optional Filters:

Yes

No

Group Results By:

Disposition▼

And By:

None▼

Results include Subtotals:

Yes

No

Generate Table

Table Generator: All Injuries by Disposition

Search Criteria:

- **Definition:** ED: Injury: All Injuries (ICD-10-CM)
- **Date Range:** 1/1/2023 - 12/31/2023
- **County:** All NC Counties

Show 100



[Export ALL Results to Excel](#)

[Export Filtered Results to Excel](#)

Showing 1 to 8 of 8 records, page 1 of 1

[Clear All Column Search Filters](#)

Table Search:

search (8) ...

Disposition	Definition Count	Percentage of Definition Counts	Total ED Visits	Percentage Of Total ED Visits
search (8) ...	search (8) ...	search (8) ...	search (8) ...	search (8) ...
Discharged	693923	81.88%	3551817	19.54%
Admitted	84592	9.98%	596633	14.18%
Admitted - Psych	4258	0.50%	26326	16.17%
Died	983	0.12%	8915	11.03%
Transferred	38023	4.49%	166566	22.83%
Left AMA / Discontinued Care	13203	1.56%	205983	6.41%
Unknown/Missing	12505	1.48%	237503	5.27%
All	847487	100.00%	4793743	17.68%

Table Generator

Table Generator

Select Data Source:

ED

EMS

HIE-I

HIE-O

UC

NCPC

DEATHS

Select Definition:

ED: Injury: All Injuries (ICD-10-CM)



From

01/01/2023

Date Range:

To

12/31/2023

Select Location Type:

County

Region

Hospital

Location Options:

[Change locations](#)

Location: All

Optional Filters:

Yes

No

Group Results By:

Age Group 6



And By:

Disposition



And By:

None



Results include Subtotals:

Yes

No

Generate Table

Table Generator: All Injuries, Ages 5-17 by Dispo

Search Criteria:

- **Definition:** ED: Injury: All Injuries (ICD-10-CM)
- **Date Range:** 1/1/2023 - 12/31/2023
- **County:** All NC Counties

Show 100



[Export ALL Results to Excel](#)

[Export Filtered Results to Excel](#)

Showing 1 to 56 of 56 records, page 1 of 1

[Clear All Column Search Filters](#)

Q Table Search:

search (56) ...

[Clear Table Search](#)
[Filter](#)

Age Group	Disposition	Definition Count	Percentage of Definition Counts	Total ED Visits	Percentage Of Total ED Visits
search (56) ...	search (56) ...	search (56) ...	search (56) ...	search (56) ...	search (56) ...
(05 - 17) School-Age	Discharged	106566	92.14%	411051	25.93%
(05 - 17) School-Age	Admitted	2545	2.20%	12176	20.90%
(05 - 17) School-Age	Admitted - Psych	1041	0.90%	4185	24.87%
(05 - 17) School-Age	Died	38	0.03%	115	33.04%
(05 - 17) School-Age	Transferred	2817	2.44%	10158	27.73%
(05 - 17) School-Age	Left AMA / Discontinued Care	951	0.82%	15747	6.04%
(05 - 17) School-Age	Unknown/Missing	1694	1.46%	21288	7.96%
(05 - 17) School-Age	All	115652	100.00%	474720	24.36%

Table Generator: All Injuries, 65+ by Dispo

Search Criteria:

- **Definition:** ED: Injury: All Injuries (ICD-10-CM)
- **Date Range:** 1/1/2023 - 12/31/2023
- **County:** All NC Counties

Show 100



[Export ALL Results to Excel](#)

[Export Filtered Results to Excel](#)

Showing 1 to 56 of 56 records, page 1 of 1

[Clear All Column Search Filters](#)

Q Table Search:

search (56) ...

[Clear Table Search Filter](#)

Age Group	Disposition	Definition Count	Percentage of Definition Counts	Total ED Visits	Percentage Of Total ED Visits
search (56) ...	search (56) ...	search (56) ...	search (56) ...	search (56) ...	search (56) ...
(65+) Senior	Discharged	144546	66.26%	676006	21.38%
(65+) Senior	Admitted	48230	22.11%	306335	15.74%
(65+) Senior	Admitted - Psych	173	0.08%	1536	11.26%
(65+) Senior	Died	460	0.21%	5349	8.60%
(65+) Senior	Transferred	19363	8.88%	77169	25.09%
(65+) Senior	Left AMA / Discontinued Care	1719	0.79%	25982	6.62%
(65+) Senior	Unknown/Missing	3648	1.67%	54727	6.67%
(65+) Senior	All	218139	100.00%	1147104	19.02%

Map Generator

Map Generator: Dog Bites by ZIP Code

[Hide Search Parameters](#)

Select Data Source:

ED

EMS

HIE-I

HIE-O

UC

NCPC

Select Report Type:

Syndrome

Custom Event

Basic

Select Custom Event:

Injury: Dog Bites (ICD-9/10-CM) ▾

From

01/01/2023

Date Range:

To

12/31/2023

Select Location Type:

County

Region

Hospital

Select Location:

Watauga, x ▾

Optional Filters:

Yes

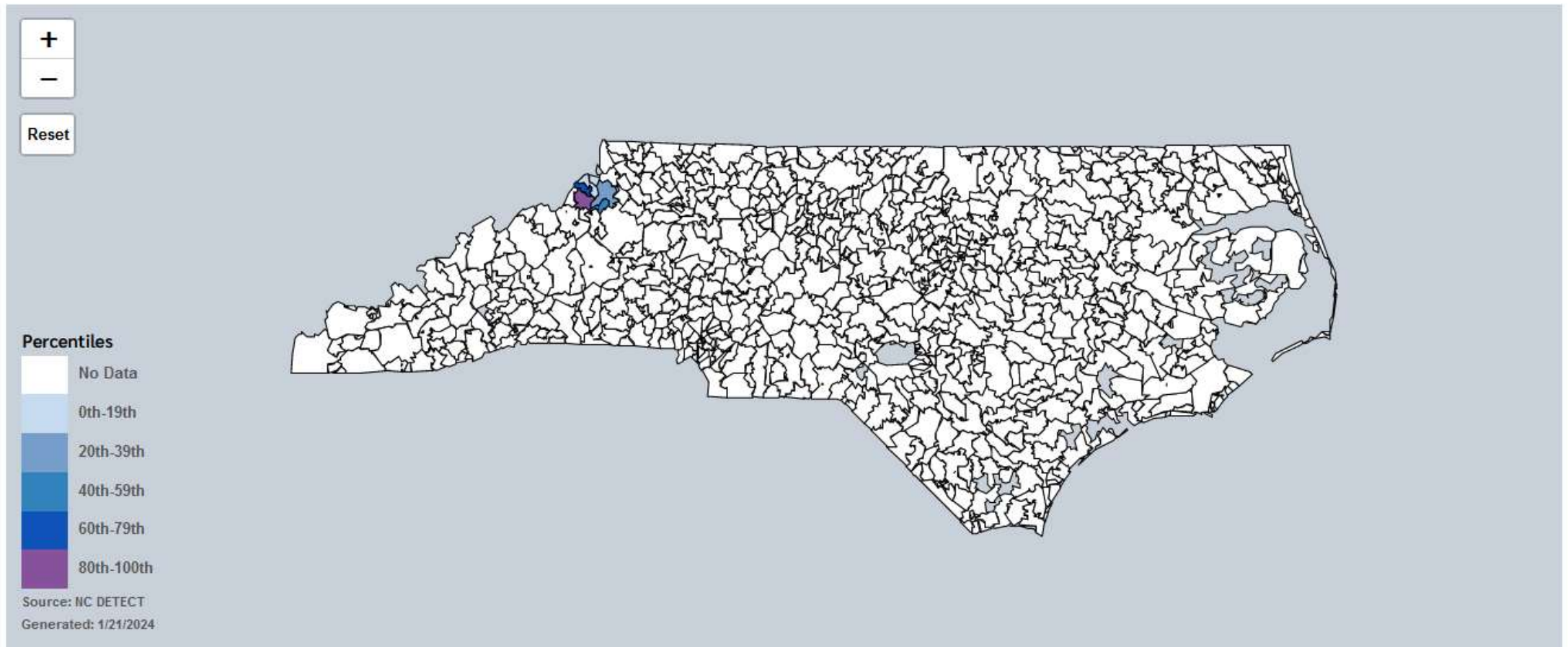
No

Generate Map

Map Generator: Dog Bites by ZIP Code

Search Criteria:

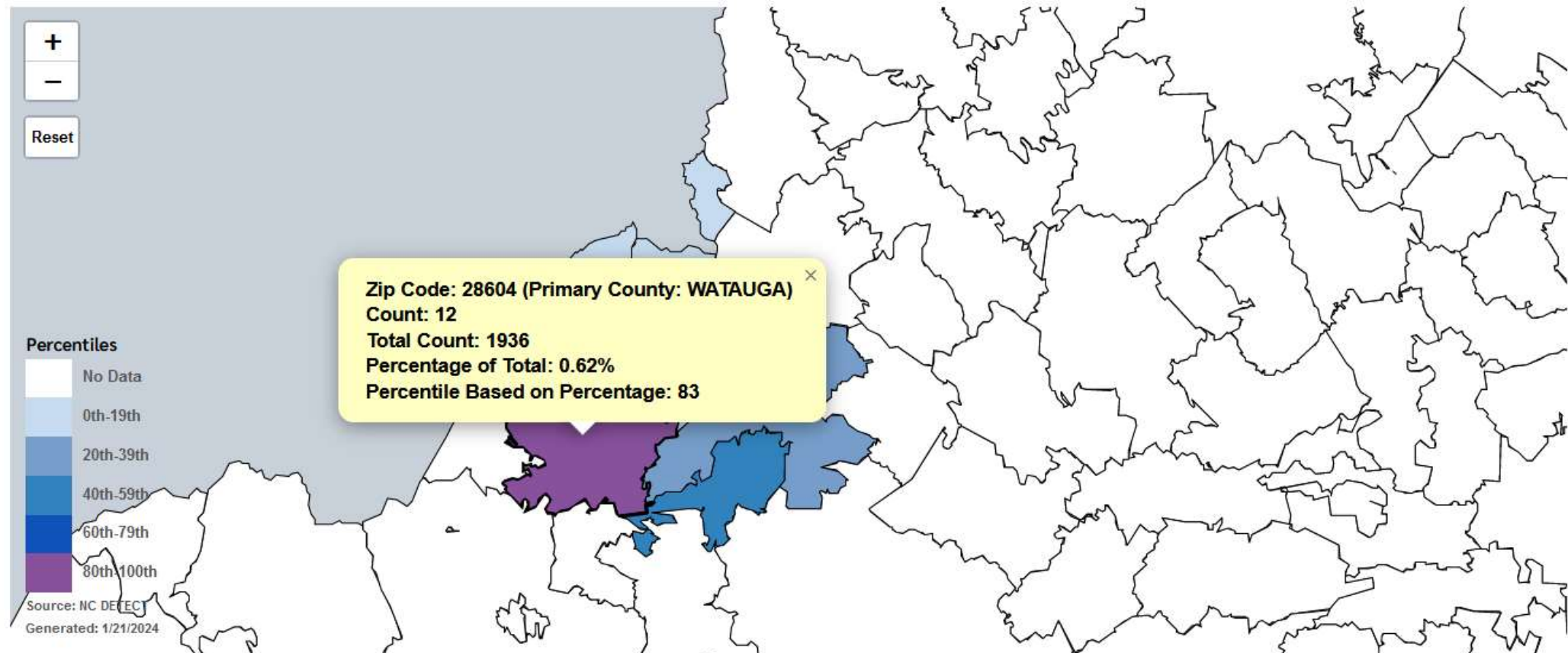
- ED : Dog Bites (ICD-9/10-CM)
- Date Range: 1/1/2023 - 12/31/2023
- County: Watauga



Map Generator: ZIP Code (Zoom / Mouseover)

Search Criteria:

- ED : Dog Bites (ICD-9/10-CM)
- Date Range: 1/1/2023 - 12/31/2023
- County: Watauga



Line Listing Reports

Why Use Line Listing Reports

- Improve understanding of how definitions work
- Appreciate challenges with ICD codes
- Look for co-morbidities and SDOH indicators, e.g., substance use, homelessness
- Review free text fields, e.g., ED triage notes, EMS narrative
- Download datasets for analysis in other programs, e.g., Excel, SAS, R, EpilInfo, etc.

Line Listing

Line Listing

Select Data Source:

EDEMSHIE-IHIE-OUCNCPCDEATHS

Select Line Listing Type:

SyndromeCustom EventBT Agent / Emerging ThreatsBasic

Select Syndrome:

Heat-Related Illness (Keyword or ICD-9/10-CM)▼

Date Range:

From

06/01/2023

To

09/30/2023

Select Location Type:

CountyRegionHospital

Location Options:

[Change locations](#)

Location: All

Search

Heat-Related Illness Line Listing Excerpts

Chief Complaint / Triage Notes	ICD-10-CM Codes
Heat exhaustion	R00.2 Palpitations ; R42 Dizziness and giddiness
Light headedness, dizzy, upset stomach	R11.0 Nausea ; J45.909 Unspecified asthma, uncomplicated ; D72.829 Elevated white blood cell count, unspecified ; E70.0 Classical phenylketonuria ; X30.XXXA Exposure to excessive natural heat, initial encounter ; T67.5XXA Heat exhaustion, unspecified, initial encounter ; T67.9XXA Effect of heat and light, unspecified, initial encounter
Heat cramps all over the body, started today / Pt states he works outside, has been sweating all day, started having cramping 7 this morning. N/v.	T67.5XXA Heat exhaustion, unspecified, initial encounter ; M62.82 Rhabdomyolysis

Sample Overdose Line Listing Excerpts

Chief Complaint / Triage Notes	ICD-10-CM Codes
OD on Fentanyl	G92.8 Other toxic encephalopathy ; F19.10 Other psychoactive substance abuse, uncomplicated ; F10.929 Alcohol use, unspecified with intoxication, unspecified ; J18.9 Pneumonia, unspecified organism ; T50.904A Poisoning by unspecified drugs, medicaments and biological substances, undetermined, initial encounter
IVC / Patient found unresponsive by PD. Patient given naran on scene and responded. Patient alert and agitated in triage.	F17.210 Nicotine dependence, cigarettes, uncomplicated ; D72.829 Elevated white blood cell count, unspecified ; F11.20 Opioid dependence, uncomplicated ; F91.9 Conduct disorder, unspecified ; F19.90 Other psychoactive substance use, unspecified, uncomplicated ; A53.9 Syphilis, unspecified ; F15.20 Other stimulant dependence, uncomplicated ; T40.2X4A Poisoning by other opioids, undetermined, initial encounter ; T40.411A Poisoning by fentanyl or fentanyl analogs, accidental (unintentional), initial encounter ; F32.A Depression, unspecified ; <i>Z59.02 Unsheltered homelessness</i>

ED Custom Search

ED Custom Search

ED Custom Search

[Hide Search Parameters](#)

[Go back to my Table of Definitions](#)

Data Source:

ED

From

03/10/2023

Date Range:

To

03/20/2023

Select Location Type:

County

Hospital

Select Location:

All x

Optional Filters:

Yes

No

Custom Search Options:

Search by Keywords:

Yes

No

Search by Diagnosis Codes:

Yes

No

[View Custom Search Definition](#)

[Save Custom Search Definition](#)

Search

ED Custom Search: Xylazine

Date Range:

01/01/2023

To

01/21/2024

Select Location Type:

County

Region

Hospital

Select Location:

All x

x | v

Optional Filters:

Yes

No

Custom Search Options:

Search by Keywords:

Yes

No

Keyword Search Option:

Chief Complaint Only


Chief Complaint and Triage Notes




Enter your search terms:

Please note that your search must adhere to specific syntax in order to work properly. Please refer to the [guidance document](#) for proper definition format. Use OR for terms if you want results for any of the terms listed. Use AND if you want the results to include all of the terms in your AND statement. For example, if you want to see ED visits that mention fever AND cough or sore throat, you would enter your query as follows: fever AND (cough OR "sore throat") :

xylazine

Custom Search Xylazine Results



Show 10 ▾		 Export ALL Results to Excel	 Export Filtered
Showing 1 to 10 of 13 records, page 1 of 2		 Clear All Column Search Filter	
Chief Complaint	Triage Notes		
search (13) ...	search (13) ...		
chest pain	"X 2 days; was here yesterday but left before treatment completed; Pt states she took fentanyl yesterday from the street and methadone at the clinic today; boyfriend states, "" xylazine was found in the fentanyl sample taken by pt yesterday."" Show less		
ABSCCESS	Pt states she is a heroin user and she tested her heroin for xylazine and it was positive. She has multiple places on her body (hands, feet, arms) that have puffed up and are swollen from where she shotup and missed. Show less		

ED Custom Search: Alcohol Intoxication & ATV

ED Custom Search

[Hide Search Parameters](#) [Go back to my Table of Definitions](#)

Data Source:

ED

From

01/01/2023

Date Range:

To

12/31/2023

Select Location Type:

County

Region

Hospital

Select Location:

All x

x

v

Optional Filters:

Yes

No

Custom Search Options:

Search by Keywords:

Yes

No

Search by Diagnosis Codes:

Yes

No

Search Diagnosis Codes:

Yes

No

Search Diagnosis Codes Option:

Enter diagnosis codes

Use our diagnosis code selector

Select Diagnosis Codes:	
<input type="checkbox"/>	Diagnosis Code
	Q alcohol
<input type="checkbox"/>	hallucinations
<input type="checkbox"/>	F10.959 - Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified
<input type="checkbox"/>	F10.96 - Alcohol use, unspecified with alcohol-induced persisting amnesic disorder
<input type="checkbox"/>	F10.97 - Alcohol use, unspecified with alcohol-induced persisting dementia
<input type="checkbox"/>	F10.98 - Alcohol use, unspecified with other alcohol-induced disorders
<input type="checkbox"/>	F10.980 - Alcohol use, unspecified with alcohol-induced anxiety disorder
<input type="checkbox"/>	F10.981 - Alcohol use, unspecified with alcohol-induced sexual dysfunction
<input type="checkbox"/>	F10.982 - Alcohol use, unspecified with alcohol-induced sleep disorder
<input type="checkbox"/>	F10.988 - Alcohol use, unspecified with other alcohol-induced disorder
<input type="checkbox"/>	F10.99 - Alcohol use, unspecified with unspecified alcohol-induced disorder
10 50 100	Showing page 1 of total 2 pages (172 codes) < 1 2 >

Selected Diagnosis Codes:	
Total Number of Selected Codes: 11 View Definition	
F10.12, F10.120, F10.121, F10.22, F10.220, F10.221, F10.229, F10.92, F10.920, F10.921, F10.929	
F10.12 - Alcohol abuse with intoxication	Delete
F10.120 - Alcohol abuse with intoxication, uncomplicated	Delete
F10.121 - Alcohol abuse with intoxication delirium	Delete
F10.22 - Alcohol dependence with intoxication	Delete
F10.220 - Alcohol dependence with intoxication, uncomplicated	Delete
F10.221 - Alcohol dependence with intoxication delirium	Delete
F10.229 - Alcohol dependence with intoxication, unspecified	Delete
F10.92 - Alcohol use, unspecified with intoxication	Delete
F10.920 - Alcohol use, unspecified with intoxication, uncomplicated	Delete
F10.921 - Alcohol use, unspecified with intoxication delirium	Delete
F10.929 - Alcohol use, unspecified with intoxication, unspecified	Delete
Clear All Selected Diagnosis Codes	

Do you want to require one or more diagnosis codes (Boolean AND) with the diagnosis code(s) already included in your definition?

Yes No

Search Additional Diagnosis Codes Option:

Enter diagnosis codes

Use our diagnosis code selector

- Use the left panel to select codes. Search codes using the filter, click the left side box in a row to select a code. To select all codes on the current page, click in the box on the column header row.
- The selected codes are listed on the right panel. Use View Definition to view definition for the selected codes.
- To remove selected codes, uncheck the codes on the left panel, or use Delete on the right panel. Use Clear All Selected Diagnosis Codes to clear all selected codes.

Select Diagnosis Codes:	
<input checked="" type="checkbox"/>	Diagnosis Code
	Q ATV
<input checked="" type="checkbox"/>	V86.05 - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident
<input checked="" type="checkbox"/>	V86.05XA - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter
<input checked="" type="checkbox"/>	V86.05XD - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, subsequent encounter
<input checked="" type="checkbox"/>	V86.05XS - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, sequela
<input checked="" type="checkbox"/>	V86.15 - Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident
<input checked="" type="checkbox"/>	V86.15XA - Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter
<input checked="" type="checkbox"/>	V86.15XD - Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, subsequent encounter

Selected Diagnosis Codes:	
Total Number of Selected Codes: 36 View Definition	
V86.05, V86.05XA, V86.05XD, V86.05XS, V86.15, V86.15XA, V86.15XD, V86.15XS, V86.25, V86.25XA, V86.25XD, V86.25XS, V86.35, V86.35XA, V86.35XD, V86.35XS, V86.45, V86.45XA, V86.45XD, V86.45XS, V86.55, V86.55XA, V86.55XD, V86.55XS, V86.65, V86.65XA, V86.65XD, V86.65XS, V86.75, V86.75XA,	
V86.05 - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident	Delete
V86.05XA - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter	Delete
V86.05XD - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, subsequent encounter	Delete
V86.05XS - Driver of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, sequela	Delete
V86.15 - Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident	Delete
V86.15XA - Passenger of 3- or 4- wheeled all-terrain vehicle (ATV) injured in traffic accident, initial encounter	Delete

Custom Search: Alcohol Intoxication & ATV

Triage Notes	Disposition	Diagnosis codes
search (35) ...	search (35) ...	search (35) ...
		Injury of head, initial encounter Show less
Pt was driving side by side ATV around 7 pm tonight and turned it over on its side. Pt c/o right headache, right rib pain and hip pain. Dark purple bruising noted to right lateral chest. Pt also has had 6 beers Show less	Transferred	V86.95XA Unspecified occupant of 3- or 4-wheeled all-terrain vehicle (ATV) injured in nontraffic accident, initial encounter ; S36.112A Contusion of liver, initial encounter ; Y99.9 Unspecified external cause status ; Y92.410 Unspecified street and highway as the place of occurrence of the external cause ; V86.99XA Unspecified occupant of other special all-terrain or other off-road motor vehicle injured in nontraffic accident, initial encounter ; F10.929 Alcohol use, unspecified with intoxication, unspecified Show less

ED Custom Search: Save your Definition

ED Custom Search

[Show Search Parameters](#)

[Go back to my Table of Definitions](#)

Do you want to require one or more diagnosis codes (Boolean AND) with the diagnosis code(s) already included in your definition?

Yes

No

Do you want to exclude diagnosis codes?

Yes

No

[View Custom Search Definition](#)

[Save Custom Search Definition](#)

Search

Publicly Available Reports

NC DETECT ED Visit Data Available Publicly

- NC DPH Injury & Violence Prevention Branch:
<https://injuryfreenc.dph.ncdhhs.gov/DataSurveillance/>
- Opioid Dashboards: <https://ncopioidsettlement.org/data-dashboards/opioid-indicators/> & <https://www.ncdhhs.gov/opioid-and-substance-use-action-plan-data-dashboard>
- NC DETECT Unintentional Falls Dashboard: <https://ncdetect.org/unintentional-falls-dashboard/>
- Self-Inflicted Injury in NC DETECT Mental Health Dashboard: <https://ncdetect.org/mental-health-dashboard/>
- NC Transportation Safety & Public Health Data Dashboard: <https://cchi.web.unc.edu/nc-transportation-safety-public-health-data-dashboard/>

1,127

NORTH CAROLINA EMERGENCY DEPARTMENT (ED) VISITS FOR OVERDOSE INVOLVING MEDICATIONS OR DRUGS WITH DEPENDENCY POTENTIAL: DECEMBER 2023

1,127 Overdose ED Visits for Med/Drugs^ with Dependency Potential in **December 2023**

compared to **1,419** in December 2022

Data Source: NC DETECT: ED; Syndrome: Overdose; Unintentional/ Undetermined Medication or Drug Overdose (>14/<66) (ICD-9/10-CM)

^Report is based on initial encounter, unintentional and undetermined intent cases only, for ICD10CM overdose codes of drugs and medicaments with dependency potential within T40, T42, T43, T50.7, and T50.9.

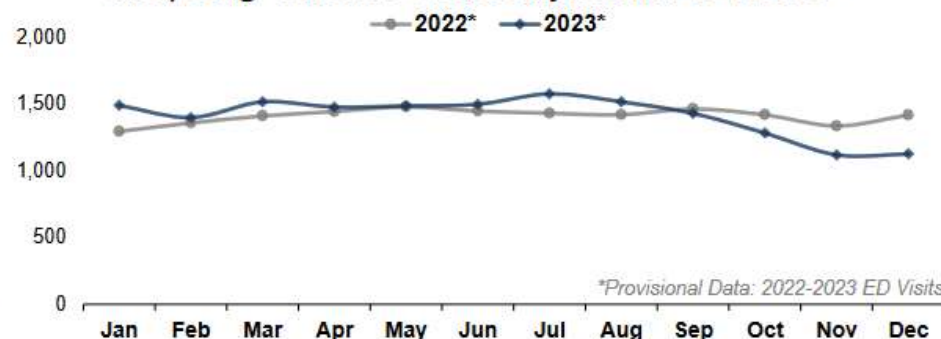
Note: Report is restricted to N.C. residents between the ages 15 to 65 years.

Med/Drug^ Overdose ED visits by Year: 2016-2023*



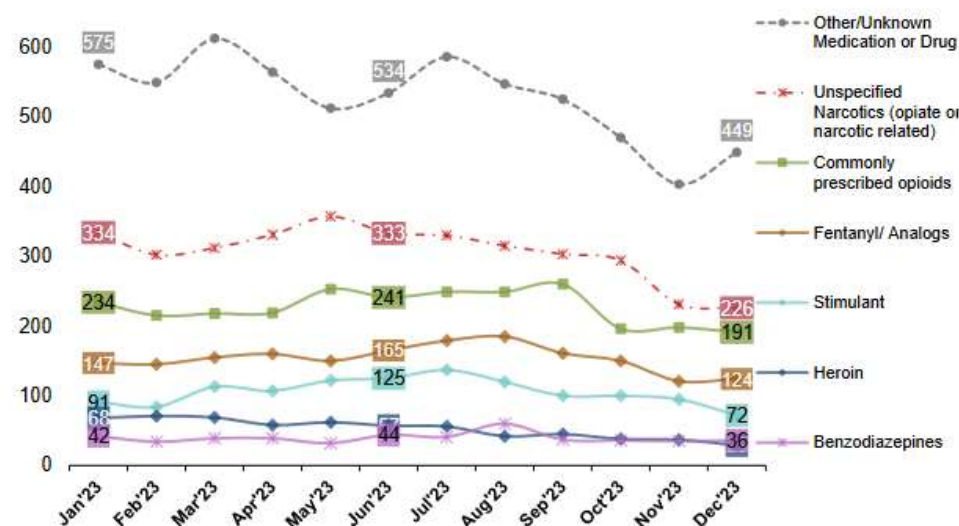
Percent change: YTD (year to date) total compared to YTD total of previous year. *There are known data quality gaps for May-June 2021 that are impacting the shown trends. Interpret the data for 2021 with caution. *Provisional Data: 2022-2023 ED Visits

Med/Drug^ Overdose ED visits by Month: 2022-2023*



*Provisional Data: 2022-2023 ED Visits

Last 12 Months of ED visits by Med/Drug Class: 2022-2023*



Note: Chart does not depict all possible drug classes. Drug classes shown are not mutually exclusive. A person may have more than one drug overdose diagnosis code, therefore, a person may be represented in multiple lines in the graph above. For case definitions, go to <https://www.injuryfreenc.ncdhhs.gov/DataSurveillance/poisoning/SummaryTableforPoisoningDefinitions.pdf>

APRIL-JUNE 2023 SELF-INFLICTED INJURY UPDATE

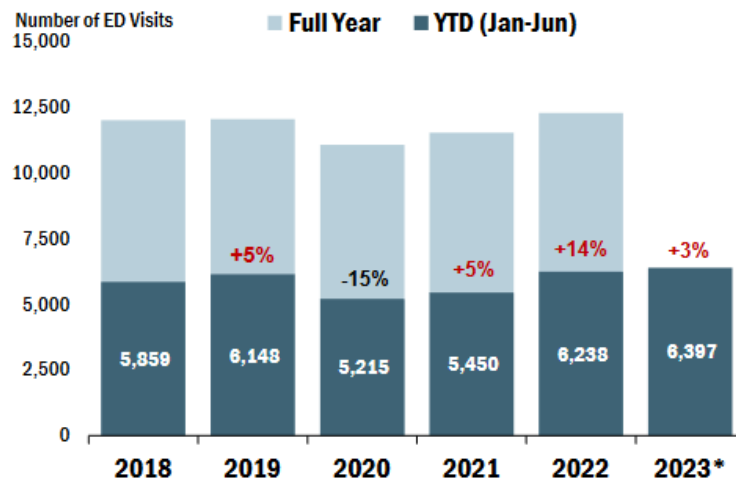
North Carolina Emergency Department (ED) Visits for Self-Inflicted Injury, Apr-Jun 2023 Update

3,099 Self-inflicted injury ED visits from Apr-Jun 2023 compared to **3,083** from Apr-Jun 2022

^aReport is based on initial encounter ICD-10-CM self-inflicted injury codes. See the [CSTE Self-Harm Indicator](#) for comprehensive list of codes.
Note: Report is restricted to NC residents ages 10 and older and does not exclude visits resulting in death.
 Data Source: NC DETECT, ED visits; data as of 11/07/2023

There was a 3% increase in self-inflicted injury ED visits from Apr-Jun 2022 to Apr-Jun 2023*.

Self-Inflicted Injury ED Visits: 2018-2023*



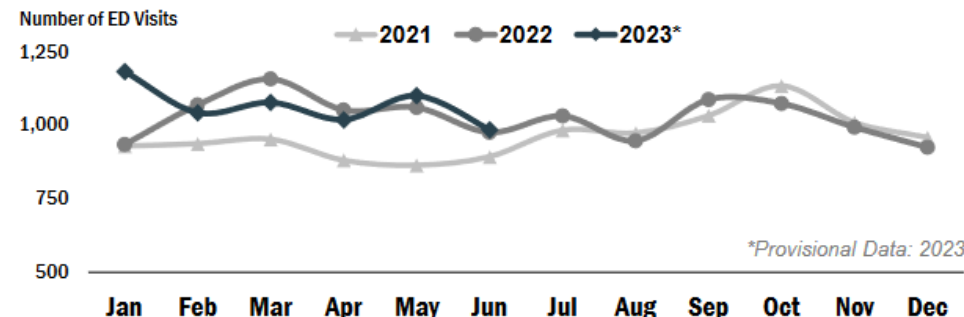
Note: There was an 18% decrease in overall ED utilization (for any cause) from 2019-2020. ED visits remained 11% lower in 2021 and 3% lower in 2022* compared to 2019.

YTD: Year to Date

*Provisional Data: 2023

Percent change: YTD total compared to YTD total of previous year

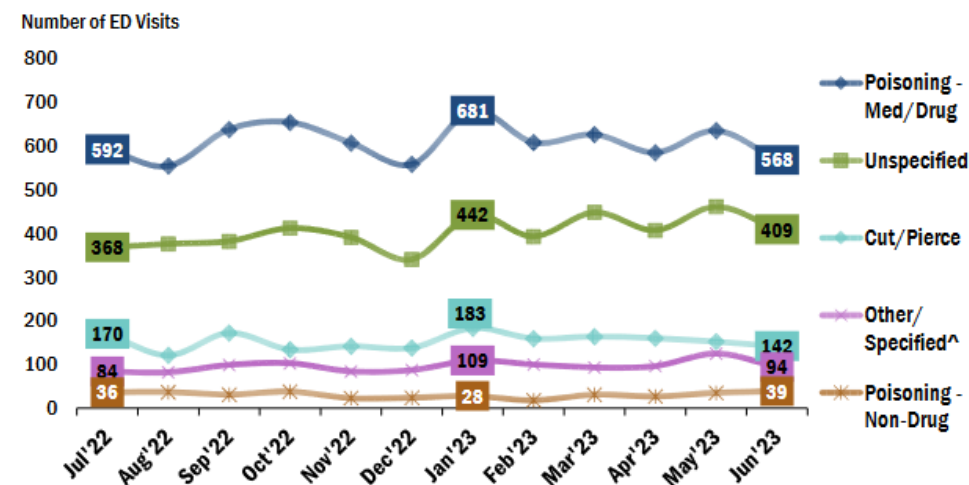
Self-Inflicted Injury ED Visits by Month: 2021-2023*



*Provisional Data: 2023

Most self-inflicted injury ED visits during Apr-Jun 2023* were due to medication/drug poisoning (57.7%).

Last 12 Months of Self-Inflicted Injury ED Visits by Injury Mechanism: Jul 2022-Jun 2023*

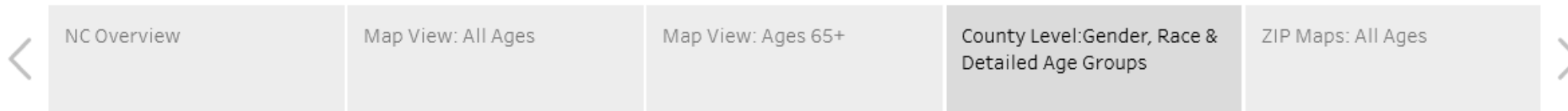


Injury mechanisms shown are **not mutually exclusive** and do not sum to the total number of self-inflicted injuries. For more information, see the IVPB [Injury Surveillance Technical Notes](#) Document.

^aOther specified includes suffocation (10%), fire/burn (7%), and firearm (7%); no additional detail was available for 64% of suicides with a code for other specified mechanism.

*Provisional Data: 2023

Unintentional Falls Dashboard



ED Visits for Unintentional Falls: Age Group, Gender, & Race Breakdowns

County: Cumberland

Year: 2022

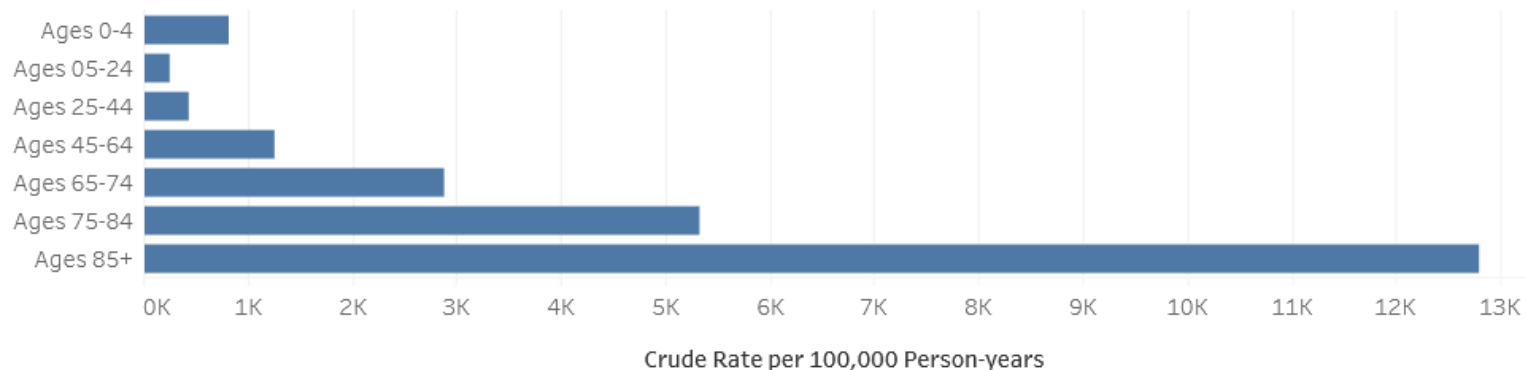
Year

2022

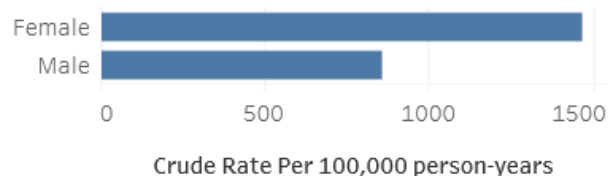
Timeline controls: ◁ ▷

County

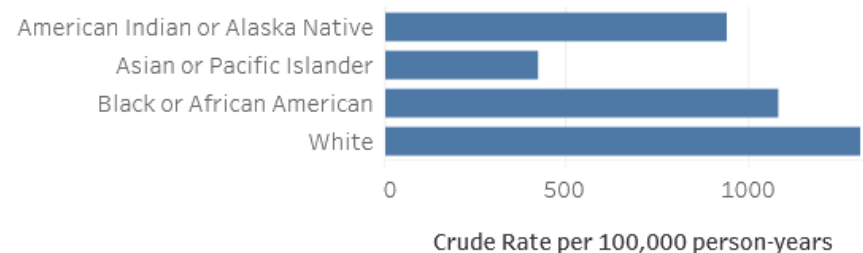
Cumberland ▼



Gender



Race



Please contact us for assistance!!

Visit <https://ncdetect.org> for more training videos.

One-on-one trainings using live data can be scheduled at anytime.

We can also assist with “pulling” data.

ncdetect@listserv.med.unc.edu

