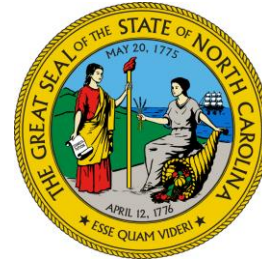




THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL



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



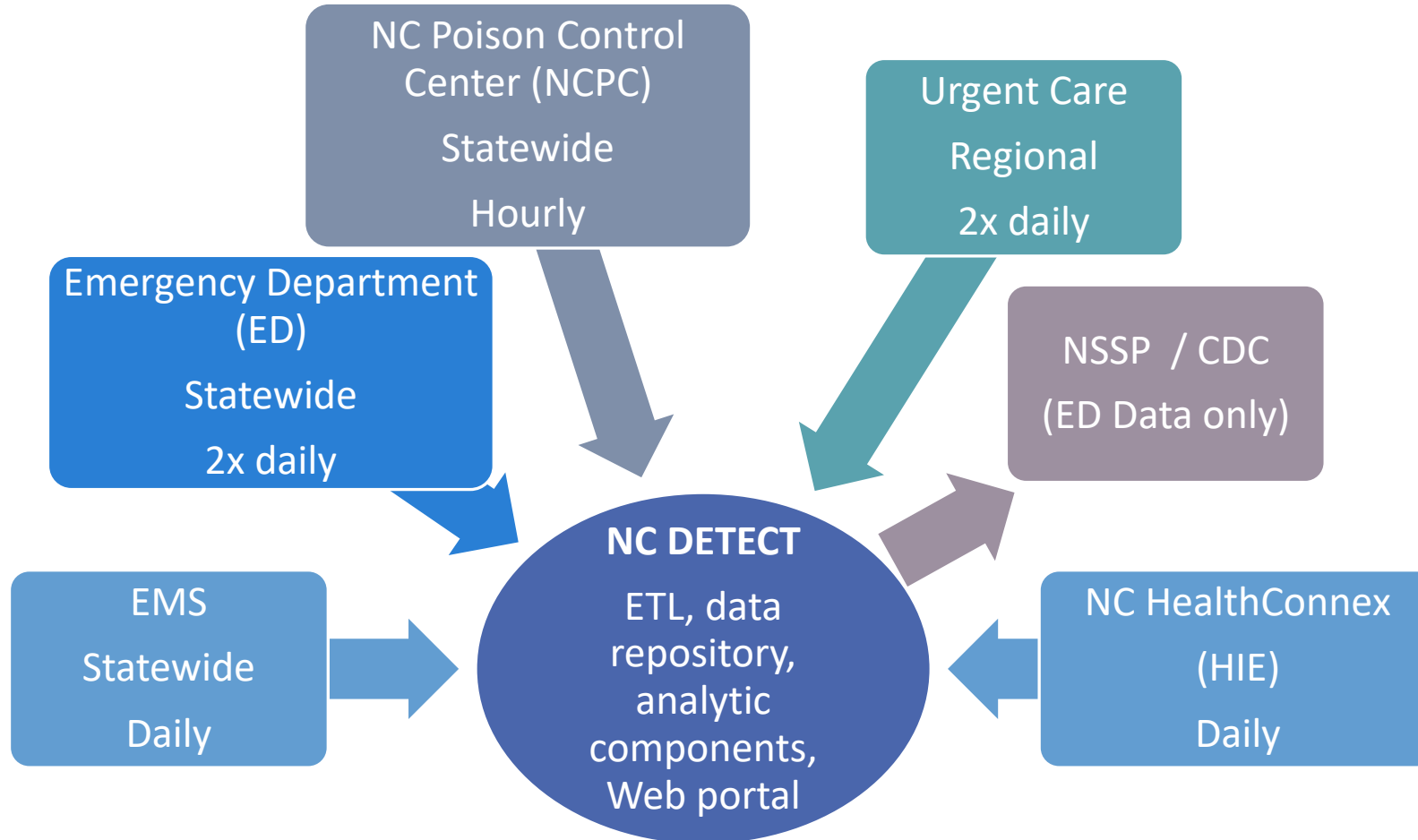
Using the NC DETECT Annotation & Heat Maps

MARCH 5, 2025

Training Overview

- Brief NC DETECT Overview
- Heat Maps
- Annotation: EARS Signals, BT Agent / Emerging Threats / Events
- Q & A

NC DETECT Data Sources & Frequency



Annotation & Heat Maps Access

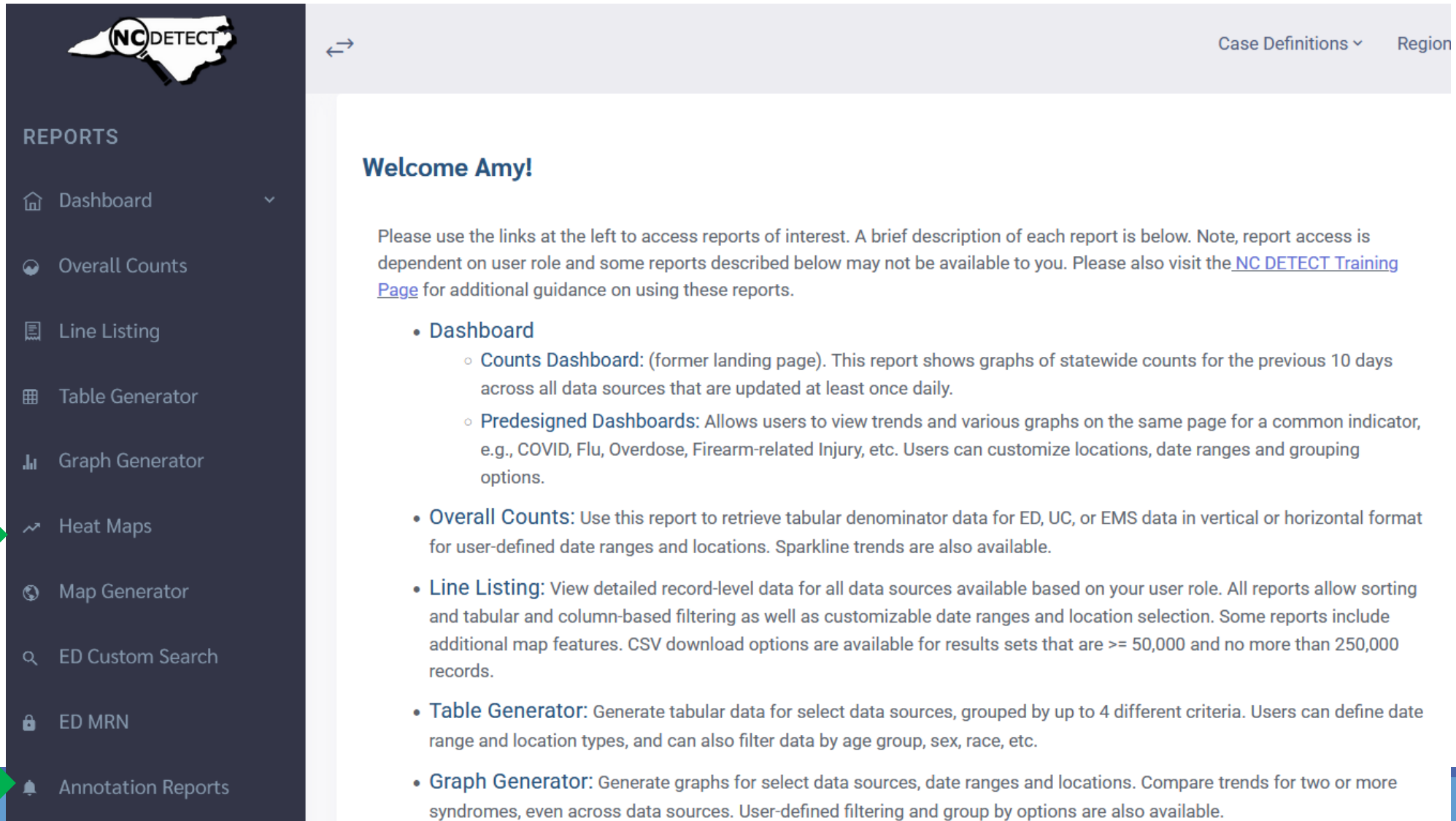
Local Health Department Users

- County: Residents of your county(ies)
- Hospitals located in your county(ies)

Hospital-Based Users

- Access for your hospital(s)

Heat Maps & Annotation



NC DETECT

Case Definitions ▾ Region

REPORTS

- Dashboard ▾
- Overall Counts
- Line Listing
- Table Generator
- Graph Generator
- Heat Maps
- Map Generator
- ED Custom Search
- ED MRN
- Annotation Reports

Welcome Amy!

Please use the links at the left to access reports of interest. A brief description of each report is below. Note, report access is dependent on user role and some reports described below may not be available to you. Please also visit the [NC DETECT Training Page](#) for additional guidance on using these 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.

Heat Maps

Heat Maps Purpose

- At-a-glance view of daily, weekly, monthly **counts** for one syndrome across multiple locations.
- At-a-glance view of multiple syndrome **counts** grouped by day, week or month across one location or aggregated group of locations.

Heat Maps Key Points

- Darker colors indicate higher counts, specific to your search of locations, syndromes, and date range selected.
- Users can customize colors to be specific to each row or across the entire table.
- For ED data, only syndromes are available, not custom events.
- Counties with larger populations will naturally have higher counts. Using the “Percentage of Total” in the Graph Generator / Table Generator may be informative for some use cases.

Heat Maps Search Criteria

- **Data Sources:** dependent on user role
- Click on **Select/Change Definitions** to select definitions for that data source.
 - Note that you can include multiple syndromes from multiple data sources across your search
- **Date Range:** varies by data source
- **Location Type:** dependent on user role
- **Location Options:** dependent on user role. Locations can be grouped or stratified by depending on other search options selected
- **Optional Filters:** filter results by age group, sex, race, ethnicity, disposition, insurance coverage, transport mode
- **Stratify data by:** syndromes (definition) or location (county, hospital, etc.)
- **X-Axis options:** group data by day, week, month
- **Heat Map Coloring:** color cells so that highest is shown for each row (row specific) or across the entire table (entire table)

Heat Maps by Location / Syndrome

Select Data Source:

Definition Options: [Select/Change Definitions](#)

Selected Definitions:

From

Date Range: To

Select Location Type:

Location Options: [Change locations](#)

Location:

Optional Filters:

Stratify Data By:

X-Axis options:

Heat Map Coloring:

Heat Maps Example #1: Heat-Related Illness (HRI)

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

Definition Options: **Hide Definition Selector**

Selected Definitions:
ED: Heat-Related Illness (Keyword or ICD-9/10-CM)

ED: Definition Selector

- Use the left panel to select definitions. Search definitions using the filter, click the left side box in a row to select a definition. To select current page, click in the box on the column header row.
- The selected definitions are listed on the right panel.
- To remove selected definitions, uncheck the definitions on the left panel, or use Delete on the right panel. Use Clear All Selected definitions.

ED: Select definitions:	
<input checked="" type="checkbox"/>	Definition
<input type="checkbox"/>	ED: Acute Flaccid Myelitis (Age<21)
<input type="checkbox"/>	ED: Alcohol-Related (ICD-10-CM or keyword)
<input type="checkbox"/>	ED: Animal Bite (Keyword)
<input type="checkbox"/>	ED: Bite/Sting
<input type="checkbox"/>	ED: Botulism-Like
<input type="checkbox"/>	ED: Burn/Fire
<input type="checkbox"/>	ED: CDC ILI
<input type="checkbox"/>	ED: CDC Suicide Attempt V2
<input type="checkbox"/>	ED: CLI
<input type="checkbox"/>	ED: CLI_ICD10CM

10 50 100 200 < 1 >

ED: Selected Definitions:	
Total Number of Selected Definitions: 1	
ED: Heat-Related Illness (Keyword or ICD-9/10-CM)	Delete

Clear All Selected ED Definitions

Date Range:

From: 05/05/2024

To: 09/28/2024

Select Location Type: County **Region** Hospital

Location Options: **Change locations**

Location: All

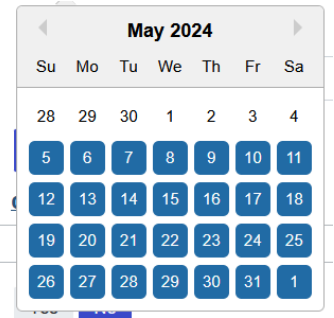
Optional Filters: Yes **No**

Stratify Data By: Definition **Region**

X-Axis options: Date **Week** Month

Heat Map Coloring: **Row Specific** Entire Table

Generate Heat Map



Heat Maps Example #1: HRI Results

Heat Maps

Search Criteria:

- **Definition:** ED: Heat-Related Illness (Keyword or ICD-9/10-CM)
- **Date Range:** 5/5/2024 - 9/28/2024
- **Region:** 1 NENC,2 SENC,3 FAY AREA,4 RTP AREA,5 TRIAD AREA,6 WNC,7 CLT AREA

ED: Heat-Related Illness (Keyword or ICD-9/10-CM): Heat Map of Syndrome Counts

Date Range: 5/5/2024 - 9/28/2024

Region: 1 NENC,2 SENC,3 FAY AREA,4 RTP AREA,5 TRIAD AREA,6 WNC,7 CLT AREA

Source: NC DETECT; Generated: 2/28/2025

1 NENC	16	3	9	12	30	30	29	63	47	53	73	16	48	18	24	11	37	9	3	3	9
2 SENC	7	5	6	13	16	27	27	45	24	44	40	18	30	9	12	9	24	11	2	7	6
3 FAY AREA	16	6	16	21	31	45	52	99	62	101	72	36	74	22	27	18	56	9	6	3	9
4 RTP AREA	10	2	18	11	18	26	39	78	75	63	80	21	41	24	22	18	43	5	5	7	8
5 TRIAD AREA	11	2	21	15	17	35	49	102	80	87	61	19	48	28	17	12	49	7	3	8	9
6 WNC	1	0	7	8	7	15	24	28	34	31	29	4	16	22	11	3	17	4	0	10	5
7 CLT AREA	15	9	43	21	19	38	64	127	114	119	82	37	69	36	33	19	60	17	5	8	7
	2024-05-11	2024-05-18	2024-05-25	2024-06-01	2024-06-08	2024-06-15	2024-06-22	2024-06-29	2024-07-06	2024-07-13	2024-07-20	2024-07-27	2024-08-03	2024-08-10	2024-08-17	2024-08-24	2024-08-31	2024-09-07	2024-09-14	2024-09-21	2024-09-28
	Week Ending Date																				

Heat Maps Example #2: HRI Entire Table

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

Definition Options: **Hide Definition Selector**

Selected Definitions:

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

ED: Definition Selector

- Use the left panel to select definitions. Search definitions using the filter, click the left side box in a row to select a definition. To select current page, click in the box on the column header row.
- The selected definitions are listed on the right panel.
- To remove selected definitions, uncheck the definitions on the left panel, or use Delete on the right panel. Use Clear All Selected definitions.

ED: Select definitions:

<input checked="" type="checkbox"/>	Definition
<input type="checkbox"/>	ED: Acute Flaccid Myelitis (Age<21)
<input type="checkbox"/>	ED: Alcohol-Related (ICD-10-CM or keyword)
<input type="checkbox"/>	ED: Animal Bite (Keyword)
<input type="checkbox"/>	ED: Bite/Sting
<input type="checkbox"/>	ED: Botulism-Like
<input type="checkbox"/>	ED: Burn/Fire
<input type="checkbox"/>	ED: CDC ILI
<input type="checkbox"/>	ED: CDC Suicide Attempt V2
<input type="checkbox"/>	ED: CLI
<input type="checkbox"/>	ED: CLI_ICD10CM

ED: Selected Definitions:

Total Number of Selected Definitions: 1

ED: Heat-Related Illness (Keyword or ICD-9/10-CM) [Delete](#)

[Clear All Selected ED Definitions](#)

From

05/05/2024

Date Range:

To

09/28/2024

Select Location Type:

County

Region

Hospital

Location Options:

[Change locations](#)

Location: All

Optional Filters:

Yes

No

Stratify Data By:

Definition

Region

X-Axis options:

Date

Week

Month

Heat Map Coloring:

Row Specific

Entire Table

[Generate Heat Map](#)

Heat Maps Example #2: HRI Entire Table Results

Heat Maps

Search Criteria:

- **Definition:** ED: Heat-Related Illness (Keyword or ICD-9/10-CM)
- **Date Range:** 5/5/2024 - 9/28/2024
- **Region:** 1 NENC,2 SENC,3 FAY AREA,4 RTP AREA,5 TRIAD AREA,6 WNC,7 CLT AREA

ED: Heat-Related Illness (Keyword or ICD-9/10-CM): Heat Map of Syndrome Counts

Date Range: 5/5/2024 - 9/28/2024

Region: 1 NENC,2 SENC,3 FAY AREA,4 RTP AREA,5 TRIAD AREA,6 WNC,7 CLT AREA

Source: NC DETECT; Generated: 2/28/2025

	2024-05-11	2024-05-18	2024-05-25	2024-06-01	2024-06-08	2024-06-15	2024-06-22	2024-06-29	2024-07-06	2024-07-13	2024-07-20	2024-07-27	2024-08-03	2024-08-10	2024-08-17	2024-08-24	2024-08-31	2024-09-07	2024-09-14	2024-09-21	2024-09-28
1 NENC	16	3	9	12	30	30	29	63	47	53	73	16	48	18	24	11	37	9	3	3	9
2 SENC	7	5	6	13	16	27	27	45	24	44	40	18	30	9	12	9	24	11	2	7	6
3 FAY AREA	16	6	16	21	31	45	52	99	62	101	72	36	74	22	27	18	56	9	6	3	9
4 RTP AREA	10	2	18	11	18	26	39	78	75	63	80	21	41	24	22	18	43	5	5	7	8
5 TRIAD AREA	11	2	21	15	17	35	49	102	80	87	61	19	48	28	17	12	49	7	3	8	9
6 WNC	1	0	7	8	7	15	24	28	34	31	29	4	16	22	11	3	17	4	0	10	5
7 CLT AREA	15	9	43	21	19	38	64	127	114	119	82	37	69	36	33	19	60	17	5	8	7

Week Ending Date

Heat Map Example #3: Comparing Syndromes

ED: Definition Selector

- Use the left panel to select definitions. Search definitions using the filter, click the left side box in a row to select a definition. To select current page, click in the box on the column header row.
- The selected definitions are listed on the right panel.
- To remove selected definitions, uncheck the definitions on the left panel, or use Delete on the right panel. Use Clear All Selected definitions.

ED: Select definitions:	
<input checked="" type="checkbox"/>	Definition
	Q
<input checked="" type="checkbox"/>	ED: Acute Flaccid Myelitis (Age<21)
<input checked="" type="checkbox"/>	ED: Alcohol-Related (ICD-10-CM or keyword)
<input checked="" type="checkbox"/>	ED: Animal Bite (Keyword)
<input checked="" type="checkbox"/>	ED: Bite/Sting
<input checked="" type="checkbox"/>	ED: Botulism-Like
<input checked="" type="checkbox"/>	ED: Burn/Fire
<input checked="" type="checkbox"/>	ED: CDC ILI
<input checked="" type="checkbox"/>	ED: CDC Suicide Attempt V2
<input checked="" type="checkbox"/>	ED: CLI
<input checked="" type="checkbox"/>	ED: CLI_ICD10CM

10 50 100 200 < 1 >

ED: Selected Definitions:	
Total Number of Selected Definitions: 66	
ED: Acute Flaccid Myelitis (Age<21)	Delete
ED: Alcohol-Related (ICD-10-CM or keyword)	Delete
ED: Animal Bite (Keyword)	Delete
ED: Bite/Sting	Delete
ED: Botulism-Like	Delete
ED: Burn/Fire	Delete
ED: CDC ILI	Delete
ED: CDC Suicide Attempt V2	Delete
ED: CLI	Delete
ED: CLI_ICD10CM	Delete
ED: CLI_No_Flu	Delete

[Clear All Selected ED Definitions](#)

Date Range:

From: 02/16/2025

To: 02/22/2025

Select Location Type:

Location Options: [Change locations](#)

Location: All

Optional Filters:

Stratify Data By:

X-Axis options:

Heat Map Coloring:

[Generate Heat Map](#)

Heat Map Example #3: Results

ED: ILI CC Only	1077	1166	988	670	768	750	713
ED: Influenza (ICD-9/10-CM)	1137	1213	1014	690	744	786	718
ED: Mammal Contact (ICD-9...	56	53	52	40	44	43	54
ED: Mammal Contact with Po...	9	20	14	12	4	17	9
ED: MenEnc	402	435	448	287	330	348	319
ED: MIS-C	115	107	104	73	75	90	92
ED: Motor Vehicle Collision	318	296	323	344	276	367	230
ED: Overdose: Heroin Overd...	1	0	0	1	0	0	0
ED: Overdose: Heroin-related	6	3	7	2	2	2	1
ED: Overdose: Methadone O...	0	0	0	2	0	0	0
ED: Overdose: Narcan/Nalo...	13	10	15	11	11	11	9
ED: Overdose: Opioid Overd...	15	8	9	18	5	15	9
ED: Overdose: Unint/Undet ...	46	31	47	40	31	40	45
ED: Overdose: Unint/Undet ...	21	15	30	29	20	27	30
ED: ED: Overdose: Unint/Undet Med or Drug OD (>14/<66) (ICD-10-CM)	40	40	48	48	31	40	52
ED: Pediatric Acute Hepatitis	5	5	6	1	2	5	2
ED: Pertussis (ICD-9/10 or K...	1	2	1	2	1	0	2
ED: Rabies/PEP (Keyword)	5	15	14	11	6	18	13
ED: Resp_No_CLI	1940	2033	1918	1290	1394	1454	1447
ED: Respiratory	1320	1448	1306	864	970	992	963
ED: Respiratory Acute Viral	2237	2431	2070	1423	1579	1661	1608
ED: Respiratory All	2618	2919	2598	1734	1972	2194	2099
ED: Respiratory Combined (...)	1382	1470	1206	824	928	973	904
ED: Respiratory Novel	136	122	125	77	74	90	90
ED: RSV (ICD-9/10-CM or ke...	166	168	130	89	114	113	121
ED: RSV (ICD-9/10-CM)	95	92	74	48	79	78	74
ED: STD/Rash/MPX	4	4	5	5	7	5	6

Heat Map Example #4: Comparing Across Data Sources

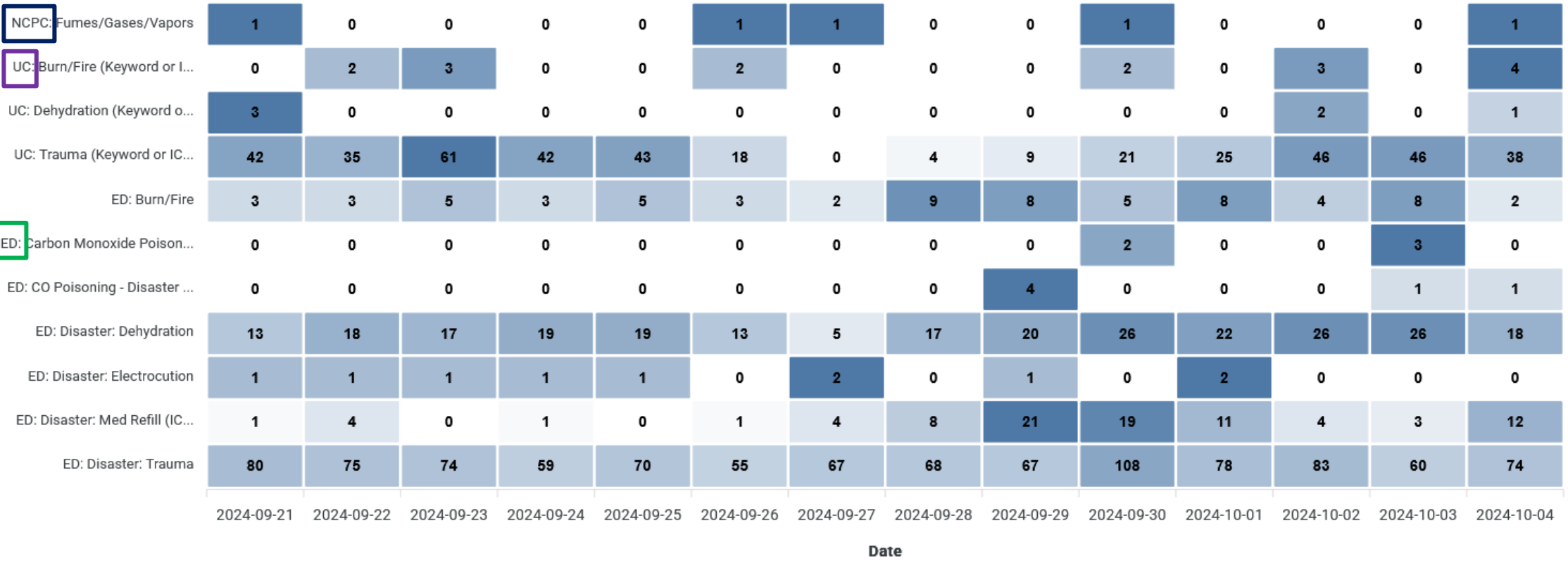
[Live demo of selecting definitions across data sources]

Heat Map Example #4: Comparing Across Data Sources

• Region: 6 WNC

Heat Map of Syndrome Counts

Date Range: 9/21/2024 - 10/4/2024
 Region: 6 WNC
 Source: NC DETECT; Generated: 2/28/2025

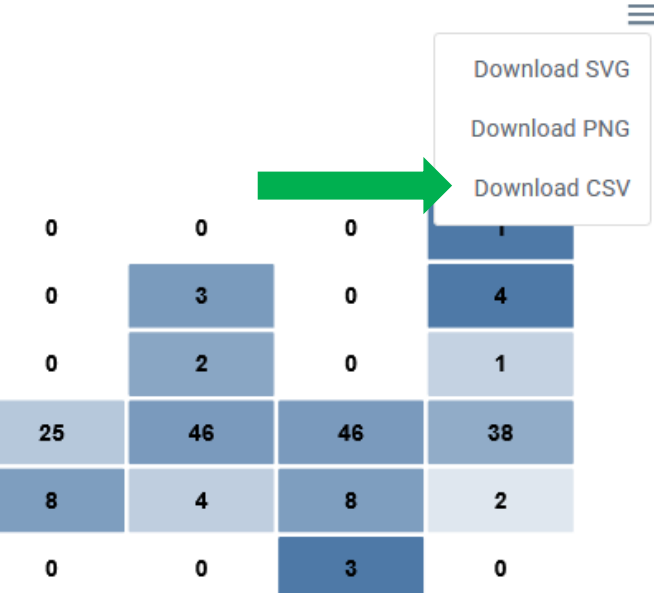


Heat Map Example #4: Download CSV

Heat Map of Syndrome Counts

Date Range: 9/21/2024 - 10/4/2024
 Region: 6 WNC
 Source: NC DETECT; Generated: 2/28/2025

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	category	ED: Disast	ED: Disast	ED: Disast	ED: Disast	ED: CO Po	ED: Carbo	ED: Burn/f	UC: Traum	UC: Dehyd	UC: Burn/f	NCPC: Fumes/Gases/Vap	
2	9/21/2024	80	1	1	13	0	0	3	42	3	0	1	
3	9/22/2024	75	4	1	18	0	0	3	35	0	2	0	
4	9/23/2024	74	0	1	17	0	0	5	61	0	3	0	
5	9/24/2024	59	1	1	19	0	0	3	42	0	0	0	
6	9/25/2024	70	0	1	19	0	0	5	43	0	0	0	
7	9/26/2024	55	1	0	13	0	0	3	18	0	2	1	
8	9/27/2024	67	4	2	5	0	0	2	0	0	0	1	
9	9/28/2024	68	8	0	17	0	0	9	4	0	0	0	
10	9/29/2024	67	21	1	20	4	0	8	9	0	0	0	
11	9/30/2024	108	19	0	26	0	2	5	21	0	2	1	
12	10/1/2024	78	11	2	22	0	0	8	25	0	0	0	
13	10/2/2024	83	4	0	26	0	0	4	46	2	3	0	
14	10/3/2024	60	3	0	26	1	3	8	46	0	0	0	
15	10/4/2024	74	12	0	18	1	0	2	38	1	4	1	
16													
17													
18													



- Download SVG
- Download PNG
- Download CSV

Annotation Reports

Annotation Report Purpose

- Add comments to signals generated automatically by NC DETECT based on EARS CUSUM algorithms, referred to as “signals” or “alerts.”
- Add comments to about single emergency department visits identified by potential BT agent / emerging threat syndromes
- Document false positives for select syndromes
- Create manual “Events”, add and review comments for known events for which NC DETECT did not generate a signal. The term “Events” is used to describe events added manually to NC DETECT on the Annotation reports.
- Review comments of other authorized users.
- Note: comments added to NC DETECT do not generate email or any other notifications

Create New Events / Add Comments to Events & Signals

- **Data Sources:** dependent on user role
- **Annotation Report Type:** Event (user generated), EARS signal (clusters), BT Agent (single ED visit)
- **Select Syndromes:** select one or more of interest (All are included by default)
- **Select BT Agent / Emerging Threats:** select one or more of interest (All are included by default)
- **Date Range:** varies by data source
- **Location Type:** dependent on user role
- **Location Options:** dependent on user role.
- **Action Level:** All are selected by default; Not Yet Reviewed is the default action level assigned to EARS Signals and BT Agent / Emerging Threats

Create New Events / Add Comments to Signals and Events

Note: To create a new event, run the event annotation report first, and then click on the Create New Event link above the table results.

Hide Search Parameters

Select Data Source:

ED EMS UC NCPC

Select Annotation Report Type:

Event EARS Signal BT Agent / Emerging Threats

Select Syndromes:

All x x | v

Select BT Agent / Emerging Threats:

All v

From

02/18/2025

Date Range:

To

02/28/2025

Select Location Type:

County Region Hospital

Location Options:

[Change locations](#)

Location: All

Select Action Level:

Not Yet Reviewed Detailed Review - Ongoing Detailed Review - Complete Reviewed (No Action Needed)

Search

EARS Signals

- Identify counts at the county (or hospital) level that are higher than expected compared to rolling average from the recent past
- Based on a cumulative sum (CUSUM) calculation with 28-day baseline
 - C1: least sensitive (no baseline lag)
 - C2: medium sensitivity (3-day baseline lag)
 - C3: highest sensitivity (3-day baseline lag)
- Hutwagner et al: <https://pubmed.ncbi.nlm.nih.gov/12791783/>
- Built-in thresholds (mostly set to 3) to prevent signals caused by low counts

EARS Signals

Create New Events / Add Comments to Signals and Events

Note: To create a new event, run the event annotation report first, and then click on the Create New Event link above the table results.

Hide Search Parameters

Select Data Source:

ED EMS UC NCPC

Select Annotation Report Type:

Event EARS Signal BT Agent / Emerging Threats

Select Syndromes:

All x

Select BT Agent / Emerging Threats:

All

From

02/18/2025

Date Range:

To

02/28/2025

Select Location Type:

County Region Hospital

Location Options:

[Change locations](#)

Location: All

Select Action Level:

Not Yet Reviewed Detailed Review - Ongoing Detailed Review - Complete Reviewed (No Action Needed)

Search

Show Search Parameters

[Export Results to Excel](#) (Note: If you have search filters applied to the table(s), only the filtered results will be exported. If you want to export ALL results, [clear all filters on all tables](#) first.)

Events

EARS Signals

BT Agent / Emerging Threats

Events

EARS Signals

Click to view line listing
(opens in separate tab)

[Show Instructions](#)

Number of Total Records: 95 (Note: If you have search filters applied to the table, please view the number of filtered records at the bottom of the table.)

[Bulk Edit](#)

[Clear All Rows Selected](#)

[Clear All Filters](#)

Tablewide Search

<input type="checkbox"/>	Date	Syndrome	County	Syndrome Count	CUSUM Flags	Action Level	Comments
<input type="checkbox"/>	2/24/2025	GI VomD	Union	38	C1C2C3	Not Yet Reviewed	<input type="checkbox"/>
<input type="checkbox"/>	2/23/2025	Communicable: Rash (ICD910CM or Keyword)	Forsyth	15	C3	Not Yet Reviewed	<input type="checkbox"/>
<input type="checkbox"/>	2/23/2025	GI VomD	Stanly	15	C2C3	Not Yet Reviewed	<input type="checkbox"/>
<input type="checkbox"/>	2/21/2025	GI VomD	Stanly	15	C1C2C3	Not Yet Reviewed	<input type="checkbox"/>
<input type="checkbox"/>	2/24/2025	Overdose: Unint/ Undet Med or Drug OD (>14/<66) (ICD-10-CM or keyword)	Mecklenburg	14	C1C2C3	Not Yet Reviewed	<input type="checkbox"/>
<input type="checkbox"/>	2/24/2025	Botulism-Like	Cumberland	12	C1C2C3	Not Yet Reviewed	<input type="checkbox"/>
<input type="checkbox"/>	2/22/2025	GI Severe	Surry	12	C1C2C3	Not Yet Reviewed	<input type="checkbox"/>

Click to add edit, i.e.,
add a comment and
update action level

Editing an EARS Signal

Edit EARS Signal

Date: Syndrome:

County: Syndrome Count:

CUSUM Flags:

Action Level:

New Comments:

Edit EARS Signal

Date: Syndrome:

County: Syndrome Count:

CUSUM Flags:

Action Level:


New Comments:

- Detailed Review - Ongoing
- Detailed Review - Complete
- Reviewed (No Action Needed)

BT Agent / Emerging Threats

- Syndromes included in this report are very specific
- Anthrax, Botulism ...Chikungunya, Epsilon Toxin, Food & Safety Threats, Measles, etc.
- **A single ED visit generates an alert in this report**

Create New Events / Add Comments to Signals and Events

 Note: To create a new event, run the event annotation report first, and then click on the Create New Event link above the table results.

[Show Search Parameters](#)

 [Export Results to Excel](#) (Note: If you have search filters applied to the table(s), only the filtered results will be exported. If you want to export ALL results, [clear all filters on all tables](#) first.)

Events

EARS Signals

BT Agent / Emerging Threats

Events

BT Agent / Emerging Threats

Show Search Parameters

 [Export Results to Excel](#) (Note: If you have search filters applied to the table(s), only the filtered results will be exported. If you want to export ALL results, [clear all filters on all tables](#) first.)

Events

EARS Signals

BT Agent / Emerging Threats

ED: BT Agent / Emerging Threats










[Show Instructions](#)

Number of Total Records: 724 (Note: If you have search filters applied to the table, please view the number of filtered records at the bottom of the table.)

[Bulk Edit](#)

[Clear All Rows Selected](#)

[Clear All Filters](#)

<input type="checkbox"/>	Arrival Date Time 	BT Agent / Emerging Threats 	Hospital 	County 	Visit ID 	Action Level 	Comments 
<input type="checkbox"/>	<input type="text" value="2/18/2025"/> 	<input type="text" value="Food Safety Threats"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="(hyperlink to visit details)"/>	(All) 	<input type="text"/>
	2/18/2025	Food Safety Threats			(hyperlink to visit details)	Detailed Review - Complete	Pt returned to ED after previous visit, has already been linked to church outbreak. Pt was not readmitted, returned to ED requesting a return to work note.
	2/18/2025	Water Safety Threats				Detailed Review - Complete	Shigella positive and giardia positive. Appears to be a sibling of other patient
	2/18/2025	Measles				Detailed Review - Complete	Non vaccinated child with no travel out of state history. Rash present and slight abdominal pain. Provider believe the risk is low but mother wanted to test.

Events

- View and add customized comments pertinent to NC DETECT
- Comments should NOT contain any patient identifiers or other sensitive information
- Used primarily by hospital-based public health epidemiologists

Create New Events / Add Comments to Signals and Events

 Note: To create a new event, run the event annotation report first, and then click on the Create New Event link above the table results.

[Show Search Parameters](#)

 [Export Results to Excel](#) (Note: If you have search filters applied to the table(s), only the filtered results will be exported. If you want to export ALL results, [clear all filters on all tables](#) first.)

Events

EARS Signals

BT Agent / Emerging Threats


Events

Create a New Event

Create New Events / Add Comments to Signals and Events

 Note: To create a new event, run the event annotation report first, and then click on the Create New Event link above the table results.

Show Search Parameters

 [Export Results to Excel](#) (Note: If you have search filters applied to the table(s), only the filtered results will be exported. If you want to export ALL results, [clear all filters on all tables](#) first.)

Events

EARS Signals

BT Agent / Emerging Threats

Events

Show Instructions

Number of Total Records: 226 (Note: If you have search filters applied to the table, please view the number of filtered records at the bottom of the table.)

[Create New Event](#)

[Clear All Rows Selected](#)


[Clear All Filters](#)

 Tablewide Search...

Create a New Event

- **Event Begin Date:** can be date of event tied to outbreak, ED arrival date, etc.
- **Event Title:** select syndrome or notifiable disease most closely associated with event
- **Other Event Title:** use if other selected in event title drop down
- **Event Location:** select county; use other if needed
- **Reporting Hospital:** if applicable
- **Action Level:** Select Action Level
- **New Comments:** Add comments about why you are creating this event

Add New Event ✕

Event Begin Date: * 

Event Title: *

Other Event Title:

Event Location: * Other Location:

Reporting Hospital:

Action Level: *

New Comments: *


Sample Events

Create New Event

Clear All Rows Selected

Clear All Filters

Tablewide Search...

	Event Begin Date	Event Title	Event Location	Reporting Hospital	Action Level	Comments
<input type="checkbox"/>	<input type="text"/> 	<input type="text"/>	<input type="text"/>	<input type="text"/>	(All) <input type="text"/>	<input type="text"/>
	2/28/2025	Influenza, adult death (>= 18 years of age)			Detailed Review - Complete	Adult patient presented with complaints of cough, weakness, and altered mental status described as disorientation and decreased interactiveness. In the ED had a fever up to 101.1 and was admitted due to SIRS/sepsis secondary to influenza A. Quad panel was positive for Flu A. Reported to ...
	2/28/2025	Mpox			Detailed Review - Complete	Two related, pediatric patients admitted with suspected Mpox. Patients recently immigrated ... and presented to the ED with pustular rash and fever. Patients have been under the care ... Health Department since their arrival. Lesions were swabbed and sent to the state lab. Both results were negative. Other tests performed include VZV, HSV, HIV, all which are negative.
	2/28/2025	Tuberculosis			Detailed Review - Complete	Adult patient presented to the ED with complaints of persistent sore throat, tonsil swelling, and difficulty swallowing over the last several weeks. Additionally, there were complaints of a persistent cough over several weeks. Chest CT showed a cavitory lesion in the lung and a TB workup was started. The patient reportedly moved to the US ... approximately one year ago. NAA x3 positive for TB. Results were reported to HD.

Annotation Key Points

- Review and comment on signals generated by NC DETECT
- Create customized events
- Comments added to NC DETECT do not generate email or any other notifications
- Please, no patient identifiers in comments

