

Speakers



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CDC Foundation Assigned to the Utah
Department of Health (UDOH) and the Utah
State Information & Analysis Center (UT SIAC)

Overdose Response Strategy

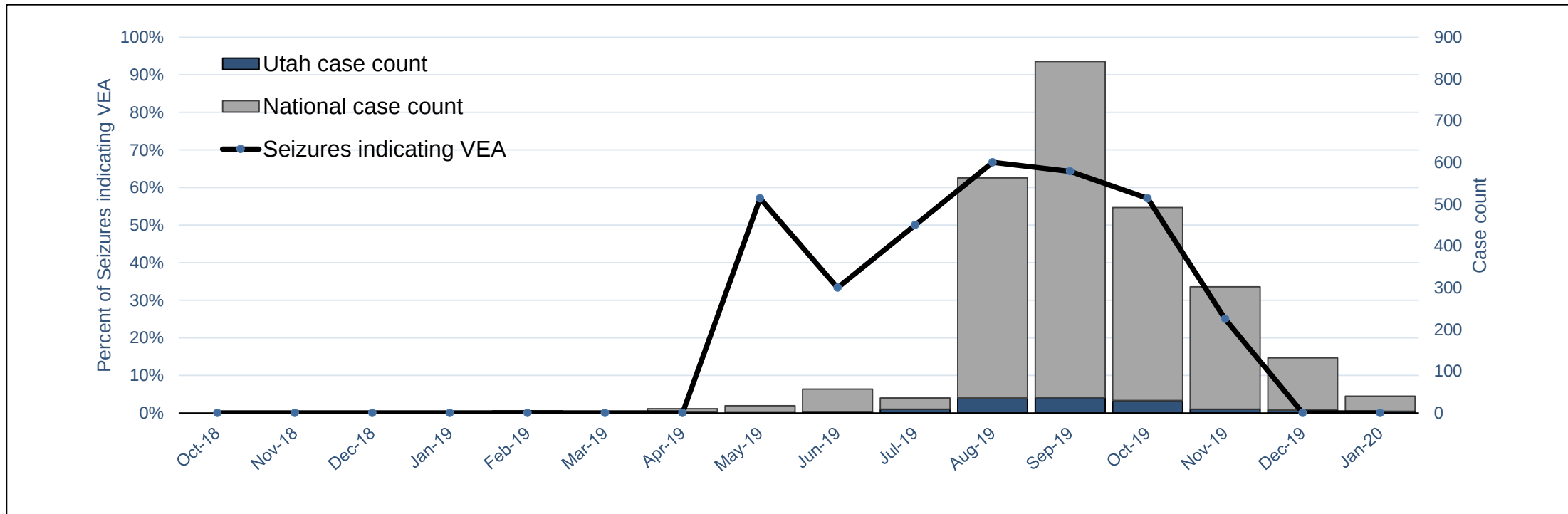
vippcdcfsb1@utah.gov

Utah State Crime Lab

- Timely source of data for monitoring the local illicit drug environment
- Can provide information on drug forms
 - fentanyl with powder heroin vs. fentanyl in counterfeit pills
- General locations of where drugs were seized
 - Date, county
- Can improve the quality and utility of public health alerts

Utah State Crime Lab

Illicit THC-containing vaping products & vitamin E acetate



National and Utah EVALI case count and percent of seized Utah THC-containing vaping product indicating vitamin E acetate by month from October 2018 to January 2020

Relationships with Public Safety Partners

Illicit Drug Supply Indicators

- Controlled buys to monitor street prices
- Seizure data and trends
- Usually comes from local drug task forces
- Reach out to local DIO to bridge relationships

Other partnership considerations

- Offer public health data reports for a given task forces area of operation
 - Not necessarily useful for performing their job but for demonstrating to city councils/policy makers the importance/need for their work.
- Financial support for purchase of laboratory equipment and/or lab management software
- Working with PDs and death scene investigators to submit drugs/paraphernalia found at death/overdose scenes

Drug Monitoring Initiatives

Bring together public health and public safety partners to share data and trend info

- Office of the Medical Examiner/Coroner offices
- Poison Control
- Harm Reduction and Community Outreach Organizations
- Syringe exchange providers
- Forensic/crime labs
- Intelligence/fusions centers
- EMS/Fire agencies
- Local and state DOH

Syndromic Surveillance: CCDD Query for Suspected Stimulant Overdose

- Includes all psychostimulants
 - Cocaine
 - MDMA
 - Caffeine
 - Bath Salts
 - Methamphetamine
- Requires opioid overdose term

Date	16Aug20
Facility Name	██████████
Patient_City	██████
ChiefComplaintOrig	RAPID HEART BEAT/VOMITING- POSS DUE TO ENERGY DRINK

Date	23Aug20
Facility Name	██████████
Patient_City	██████
Chief_Complaint_Combo	DAD REPORTS THAT THE PT MAY HAVE SWALLOWED AN ADDERALL FROM AN OLD PRESCRIPTION. ACCIDENTAL DRUG OVERDOSE

Date	22Aug20
Facility Name	██████████
Patient_City	██████
ChiefComplaintOrig	Energy pill reaction
Admit_Reason_Combno	296329002 CAFFEINE OVERDOSE

Syndromic Surveillance: Utah Methamphetamine Query

Date	13Aug20
Facility Name	██████████
Patient_City	██████████
ChiefComplaintOrig	Pt arrives c/o detox from meth and heroin. States 2 grams day of heroin last use 2 hrs. ago, meth 1 g/day.
Admit_Reason_Combo	Detox

Meth-Related Visit (v1)

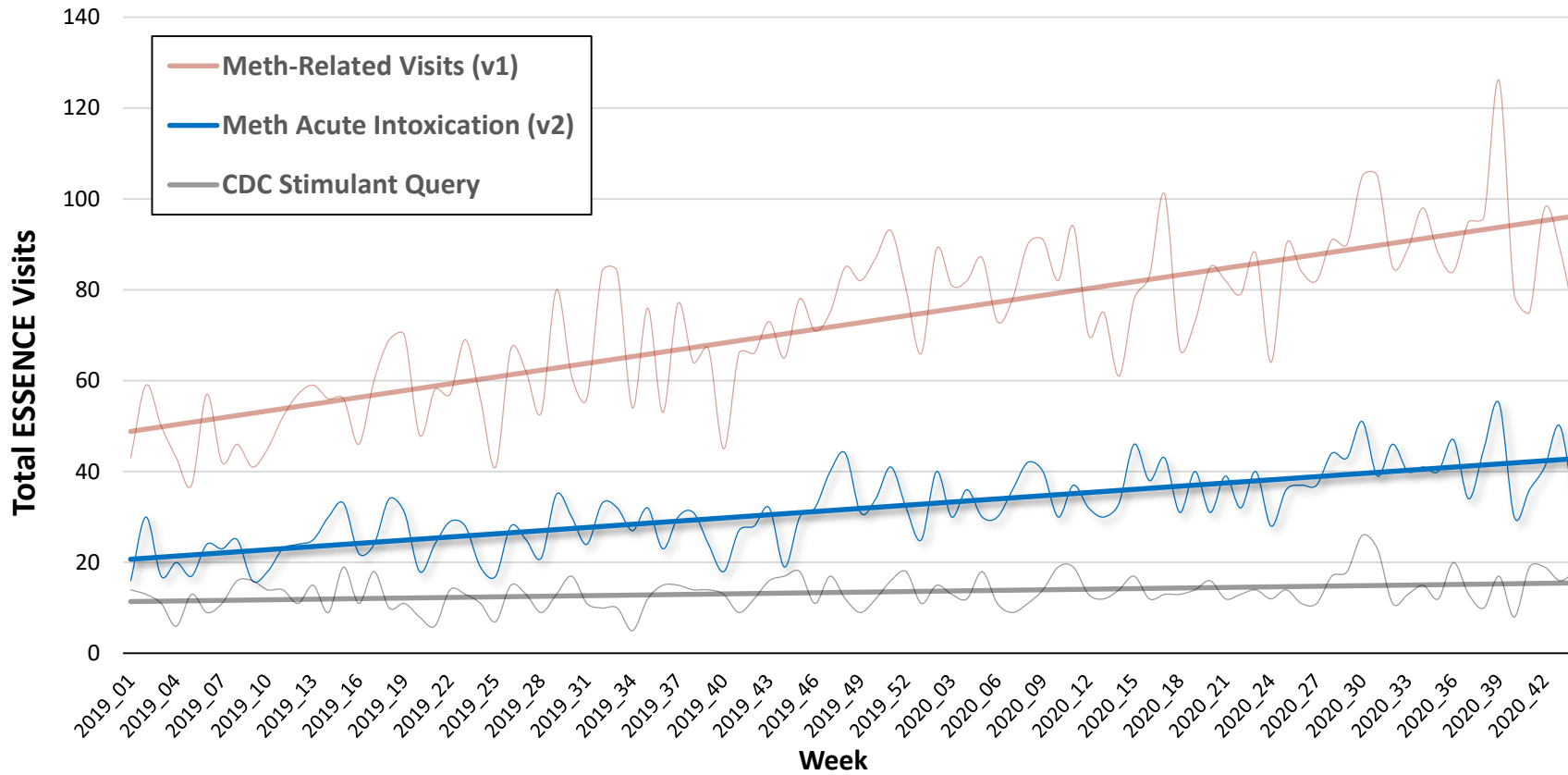
Date	20Aug20
Facility Name	██████████
Patient_City	██████████
ChiefComplaintOrig	Pt presents to the ED for hearing voices. Pt states the voices are sayins █████ name and mocking █████. Pt has called PD to █████ home twice this week. Pt endorses meth use today.
Admit_Reason_Combo	crisis evaluation

Meth-Related Visit (v1) + Sign of Intoxication (v2)

Date	24Aug20
Facility Name	██████████
Patient_City	██████████
ChiefComplaintOrig	pt shot up meth today and is now having chest pain that wont go away.
Admit_Reason_Combo	chest pain

Meth-Related Visit (v1) + Sign of Intoxication (v2)

Syndromic Surveillance: Utah Methamphetamine Query



Meth-Related Visits (v1)

- 6,962 meth-related visits
- Average of 73 per week

Meth Acute Intoxication (v2)

- 3,052 suspected cases
- Average of 32 per week
- 44% of meth-related visits
- PPV 88%

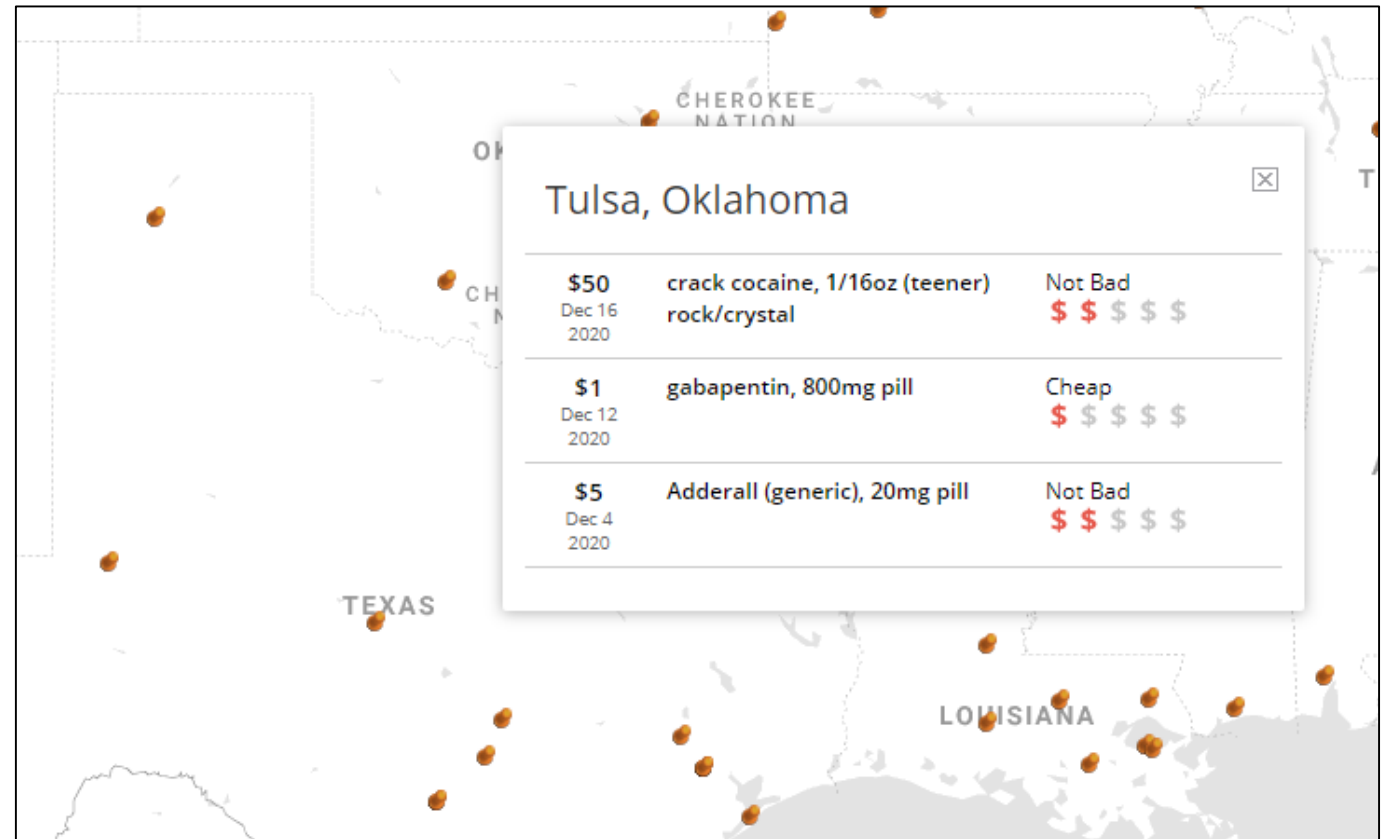
CCDD Stimulant Query

- 1,291 suspect overdoses
- Average of 13 per week

Open Source Information

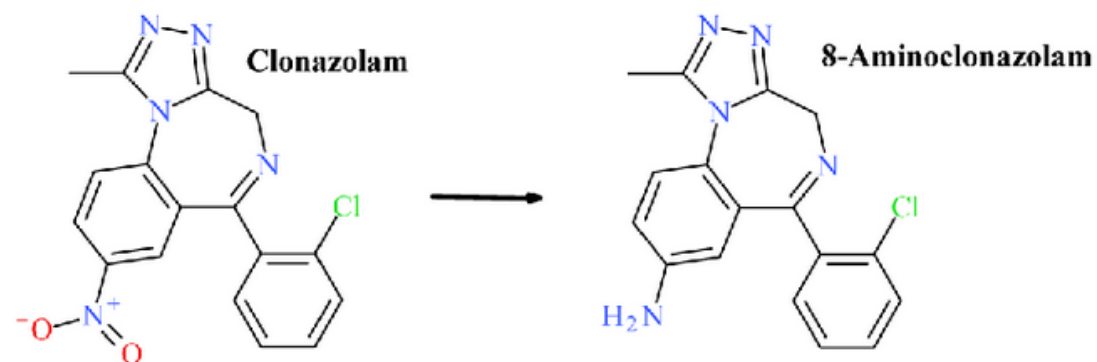
streetRx latest street prices for illicit and prescription drugs

- [DrugsData.org](https://drugsdata.org)
- <https://streetrx.com>
- <https://www.npsdiscovery.org>



Open Source Information

- DrugsData.org
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Updated Trend Reporting for the NPS Benzodiazepine Clonazepam Based on Data-Mining for 8-Aminoclonazepam

November 5, 2020

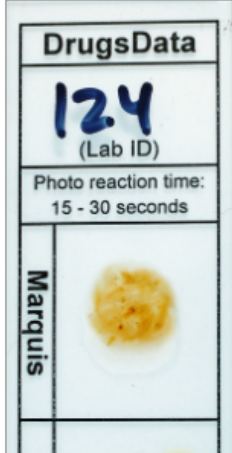
Clonazepam (also called clonitazepam) first emerged in the recreational drug supply in 2014 (Europe) and 2016 (United States). Like many NPS, clonazepam was first synthesized during drug development in 1971...

Open Source Information

DrugsData.org
Erowid's anonymous drug analysis program
Formerly called EcstasyData

- DrugsData.org
- <https://streetrx.com>
- <https://www.npsdiscovery.org>

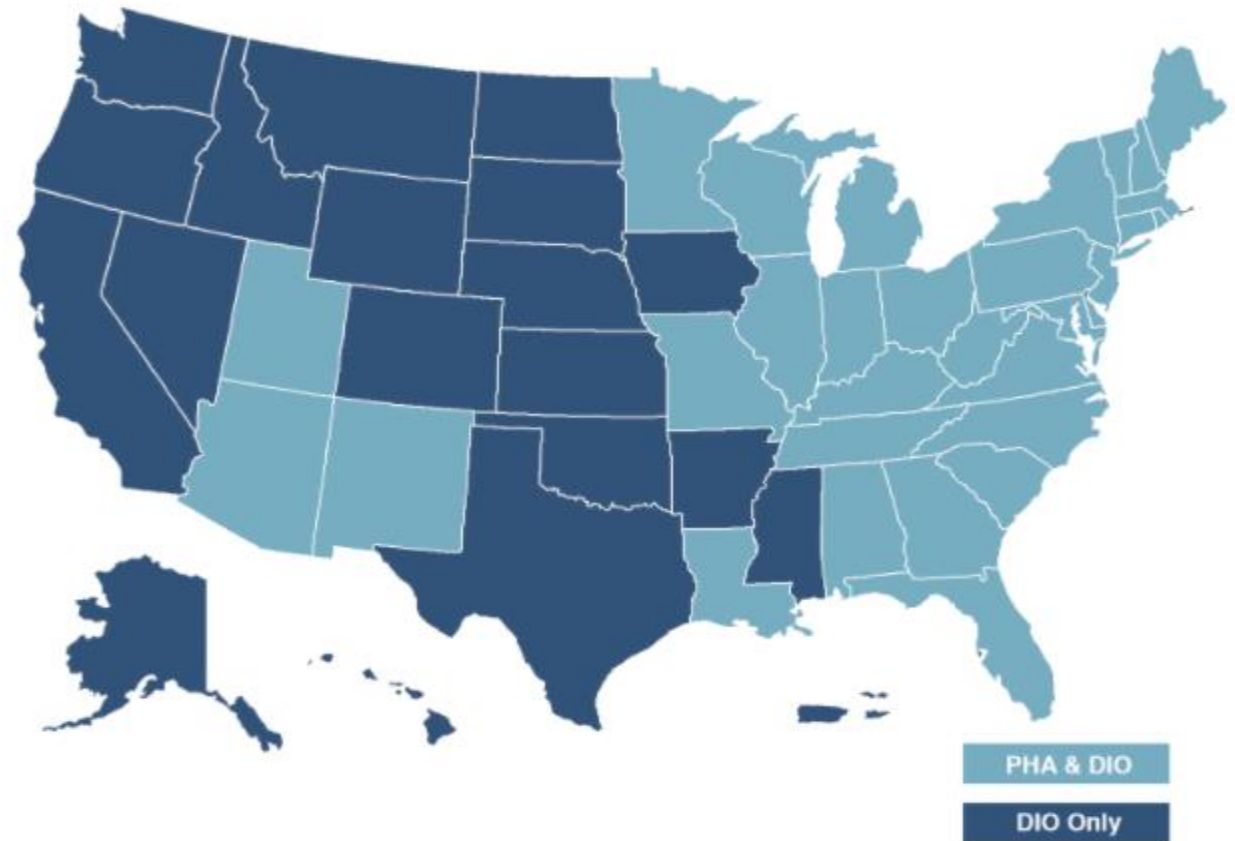
M-Block (M-Box, M30)	Sold as: Oxy	ID: 9146
	ID: 9146 Name: M-Block Other Names: M-Box, M30 UniqueCode: ❗ WS112 Marquis: ❗ Very Slight Change (orange-brown) Mecke: ❗ No Reaction Mandelin: ❗ No Reaction GC/MS: ❗ • Fentanyl : 36 • 4-ANPP : 9 ✔ • 4-Fluoroisobutyrylfentanyl : 6 ✔ • Heroin : 2 ✔ • Methamphetamine : 1.5 ✔ • Phenethyl 4-ANPP : 1	Test Date: Sep 23, 2020 Pub. Date: Sep 24, 2020 Src Location: Austin, TX Submitter: Austin, TX Loc: United States Color: Blue Size: 157 mg, 6.7 x 3.7 Data Source: DrugsData (EcstasyData) Tested by: DDL Lab's ID: 20090071

	ID: 9490 Name: b974 Other Names: UniqueCode: ❗ AC2020B258 Marquis: ❗ Orange Mecke: ❗ Light Yellow Mandelin: ❗ No Reaction GC/MS: ❗ • Caffeine : 10 • Methamphetamine : 1 ✔	Test Date: Dec 10, 2020 Pub. Date: Dec 15, 2020 Src Location: Lynn, MA Submitter: Lynn, MA Loc: United States Color: Peach or Orange Size: 412 mg, 12.1 x 9.2 x 4.85 Data Source: DrugsData (EcstasyData) Tested by: DDL Lab's ID: 20110124
	Sold as: Not Specified Expected to be: Not Specified Description Orange-pink tablet with the markings 'b974' and '30' with break line on the back. BTNX Fentanyl Test Strip (prior to sending in sample): Negative	

Overdose Response Strategy – State Teams

<https://www.hidtaprogram.org/ors.php>

- Drug Intelligence Officer and Public Health Analyst contact info



Thank you!

Methamphetamine Query v2:

Manual Record Level Review & Percent Probable

- 306 cases reviewed; 35 undetermined or ruled out
- Overall, **88%** of cases were probable

		Assessment of Acute Meth Intoxication (v2)	
		Probable	Ruled out or undetermined
Syndromic Case Definition Results	Positive (matched case definition)	A 271	B 35
	Negative (did not match case definition)	C False negative (not assessed)	D True negative (not assessed)
271+35= 306 Total Positive A + B		(271/271+35)*100 = 88.5% PP (A/A + B) x 100	
Total population – (A + B) Total number negative		(D/C + D) x 100 Negative predictive value (not assessed)	
A + B + C + D Total population			

How to find the query in ESSENCE

The screenshot displays the ESSENCE - NSSP Data Query interface. At the top, the ESSENCE logo is on the left, and the text "ESSENCE - NSSP Data Query" is in the center. A "Bookmark Name" field is on the right. Below the header is a navigation bar with links: Home, Alert List, myAlerts, myESSENCE, Event List, Overview Portal, **Query Portal** (highlighted with a red box and a red "1"), Stat Table, Map Portal, Bookmarks, Query Manager, Data Quality, Report Manager, and More. The main content area is titled "Query Wizard" and contains several dropdown menus: Datasource (Patient Location (Full Details)), Time Resolution (Daily), Detector (Regression/EWMA 1.2), As Percent Query (No Percentage Query), Start Date (25Aug20), and End Date (23Nov20). Below these is a large central area for building queries. On the left, a sidebar titled "Available Query Fields" lists various data sources like Patient Location (Full Details), Geography System (Region, HHS Region, State, Zipcode, Facility, Site), and Medical Grouping System (ChiefComplaintSubSyndromes, Syndrome, ChiefComplaints, Triage Notes Orig, Age Group, CDC ILI Reporting Age Group, NCHS Age Group, Ten Year Age Group, Distribute Age Group). On the right, a sidebar titled "Selected Query Fields" shows "Geography System" (Region) and "Medical Grouping System" (ESSENCEsyndromes). At the bottom of the main area, there is a row of buttons: Table Builder, Time Series, Data Details, Text Analysis, Graph Builder, Overview, **Adv Qry** (highlighted with a red box and a red "2"), Explain Qry, and Reset. To the right of these buttons is a "MyFilter:" field and a "Create" button.

