

Exploratory Analysis Subgroup/AZ BioSense Opioid Workgroup

September 24, 2020



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Agenda

- Welcome and Attendance
- Onboarding Update
 - New Hospitals and Urgent Care Clinics
- Syndromic Surveillance Symposium
 - November 2020
- Emergent Conditions
 - Coronavirus Disease 2019 [COVID-19](#)
- Basecamp
 - AZ Shared Collaborative Space
 - Monthly Automatic Check-in Questions
 - Suggestions
- OD2A-Piloting Email Alert Service
 - Opioid Overdose and Suicide ESSENCE Email Alerts
 - Case Matching with MEDSIS and ESSENCE Visits of Interest
 - Update for MEDSIS Resources-County-Syndromic Surveillance Folders
 - Looking For Users to Test Email Process and Provide Feedback
- NSSP Data Sharing
 - [CDC COVID Data Tracker](#)-Public Website
 - Trends in ED Visits
- ESSENCE Concepts
 - myESSENCE Dashboards for multiple CCDD categories and syndromes
 - WA examples myESSENCE Dashboard Sharing Library
 - Behavioral Health Indicators
 - Injury and Prevention Indicators
- Discussion/Open Mic
- Upcoming Meetings

Onboarding Updates

- Hospitals
 - Steward Health Care Going Live
 - Mountain Vista Medical Center
 - Tempe St. Luke's Medical Center
 - Florence Hospital
- Urgent Care Clinics
 - Tucson Medical Center
 - TMC Urgent Care - Main Campus
 - TMC Urgent Care - Rincon Health Campus

Syndromic Surveillance Symposium

2020 Syndromic Surveillance Symposium

The Council of State and Territorial Epidemiologists (CSTE), in collaboration with the Centers for Disease Control and Prevention's (CDC) National Syndromic Surveillance Program (NSSP), will host the NSSP Community of Practice's (CoP) 2020 Syndromic Surveillance Symposium virtually. It is tentatively scheduled for the week of ~~October 12-14, 2020~~

The symposium will provide a forum for the syndromic surveillance community to exchange experiences, best practices, and ideas in a broad range of areas including data sharing, syndrome development, data quality, and analytic methods. Attendees will learn about the latest methods and topics related to syndromic surveillance practice, share their thoughts about future NSSP CoP activities, and discuss ideas for building syndromic surveillance capacity at the state, local, and national levels. The targeted audience for the event will comprise epidemiologists, NSSP site administrators, syndromic surveillance coordinators, and epidemiology and laboratory capacity health information system leaders.

CSTE will share a registration link via WebEx once the symposium dates are finalized. If you have questions, please email syndromic@cste.org.

<https://www.cdc.gov/nssp/cop-updates.html>

Emergent Conditions

- Coronavirus Disease 2019 [COVID-19](#)
- New CCDD Categories for COVID-like Illness, Fever and Shortness of Breath
- Waiting on Approval from ADHS HEOC on updating to new syndrome definition for COVID-like Illness
- New AZ myESSENCE COVID-like Illness Dashboards for EMS/PHEP Regions

Coronavirus Disease 2019 (COVID-19)

CDC Situation Summary: <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html>

ADHS: <https://www.azdhs.gov/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/index.php#novel-coronavirus-home>

ADHS Data Dashboard: <https://www.azdhs.gov/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/covid-19/dashboards/index.php>

*Facilities currently being onboarded and moved into production for the first time or being revalidated, are asked to send historical data starting 1/1/2020.

Emergent Conditions

Updates to ESSENCE Shortness of Breath Subsyndrome and Coronavirus-related CC and DD categories

nsap (CDC)
to: nsp, Alex, Liron, Aaron, Larissa, Thera

Wed, Sep 3, 2:51 PM

Dear Colleagues,

We would like to notify the NSSP Community for Practice of two important groups of changes that affect surveillance of coronavirus-like illness (CLI).

1. We added "version 2" updates to three CC and DD categories related to CLI. These improve negations for "Fever and Cough-Sub-DDiff v1", "Fever and Cough-Sub-DDiff neg Influenza v1", and "CLI CC with CLI DD and Coronavirus DD v1".

2) We refined the "Shortness of Breath" ESSENCE Subsyndrome.

CLI Revisions:

The first change incorporates new negations into three CC and DD categories: "Fever and Cough-Sub-DDiff v1", "Fever and Cough-Sub-DDiff neg Influenza v1", and "CLI CC with CLI DD and Coronavirus DD v1". Sites have pointed out the need for adding negations to these queries. We reviewed the data and identified 98 beneficial negations, such as denials of fever in Chief Complaints. The following is a sample of these negations:

"denies fever" or "denies" or "denies cough fever" or "denies any fever" or "denies shortness of breath cough fever" or "denies nausea vomiting diarrhea fever" or "denies cough or fever" or "denies shortness of breath fever" or "denies nausea vomiting fever" or "denies chest pain shortness of breath fever"

A full list of the negations can be found in the ESSENCE CCDD Category table. These negations have been added to NSSP-ESSENCE and are ready to use.

Shortness of Breath Subsyndrome:

The second change in the coming weeks will be to the ESSENCE chief complaint processor to incorporate additional variations of text related to shortness of breath. These changes are based on work performed jointly by the FL-DOH ESSENCE team and JHU-APL, and will classify relevant records that would otherwise be missed.

The new terms and their weights in the shortness of breath syndrome are as follows (with "" indicating a wildcard):

New Shortness of Breath Subsyndrome and Weights	Old Shortness of Breath Subsyndrome and Weights
BREATH, 4	Breath, 4
SHORT, 2	Breathing, 4
SHORTNESS, 2	Short, 2
OFBREATH, 4	Shortness, 2
SHORTOF, 2	
SHORTNESSOF, 2	
SHORTNESSOFBREATH, 10	
SHORTNESS OF BREATH, 10	
SHORTOFBREATH, 10	
SHORT OF BREATH, 10	
SHORTNESS OF B, 10	
SHORTNESS OF BR, 10	
SHORT OF BRE, 10	
SHORTNESS OF BRE, 10	
SOBREATH, 10	

All original terms and logic will be retained in the Shortness of Breath Subsyndrome. Due to this, visits currently binned as "Shortness of Breath" will continue to be included, but the addition of these new terms will allow previously missed visits to also be binned. This will likely cause Shortness of Breath visit counts to increase slightly for your jurisdiction.

The changes are being made within NSSP ESSENCE to the Shortness of Breath subsyndrome and once complete will update existing queries using that subsyndrome. The "version 2" of the three CCDD Categories listed will incorporate the changes to the Shortness of Breath subsyndrome so that you can apply these in your surveillance activities as you see fit.

What this means for you:

The negations added in the CLI categories are also now seen a difference in the recognition of encounters categorized into the CLI localized syndromes.

Coronavirus Disease 2019 (COVID-19)

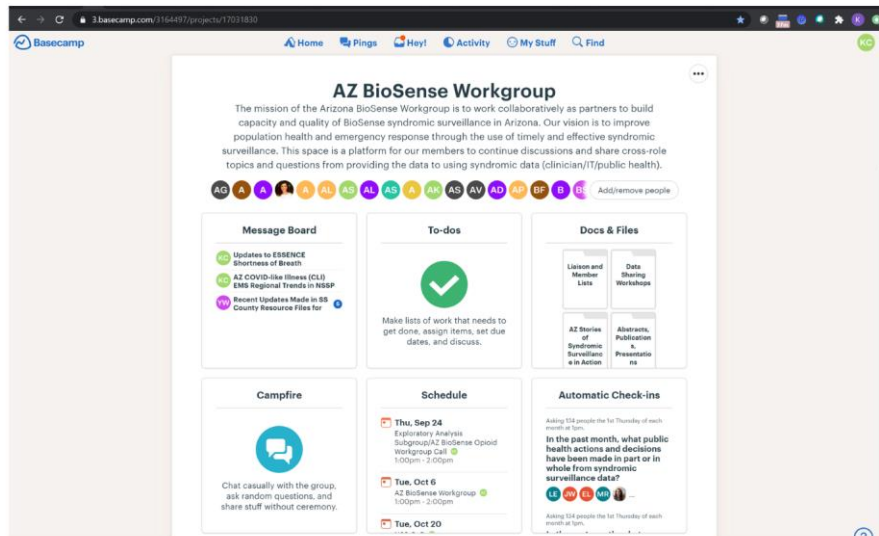
CDC Situation Summary: <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html>

ADHS: <https://www.azdhs.gov/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/index.php#novel-coronavirus-home>

ADHS Data Dashboard: <https://www.azdhs.gov/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/covid-19/dashboards/index.php>

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Basecamp



Basecamp: <https://3.basecamp.com/3164497/projects/17031830>

Basecamp

Asking 132 people the 1st Thursday of each month at 1pm.

In the past month, what public health actions and decisions have been made in part or in whole from syndromic surveillance data?



Basecamp: <https://3.basecamp.com/3164497/projects/17031830>

Basecamp

Asking 131 people the 1st Thursday of each month at 1pm.

In the past month, what data/information use and sharing actions for overdose related events (i.e. opioid) have you used your syndromic data for?



Basecamp: <https://3.basecamp.com/3164497/projects/17031830>

OD2A

- OD2A-Piloting Email Alert Service
 - Opioid Overdose and Suicide ESSENCE Email Alerts
 - Case Matching with MEDSIS and ESSENCE Visits of Interest
 - Update for MEDSIS Resources-County-Syndromic Surveillance Folders
 - Looking For Users to Test Email Process and Provide Feedback

Contact Syndromicsurveillance@azdhs.gov for more information about the survey to sign up for ADHS ESSENCE email alerts for Coronavirus.

OD2A

Piloting Email Alert Service

- Opioid Overdose ESSENCE Email Alerts

SS Data Alert: New Visits of Interest for Opioid Overdose Detected in ESSENCE for Reporting Period 2020-07

Opioid_Overdose_Alert@syndromic-surveillance.azdhs.gov

to: jerry.wang, kristen.cashley, EL.Priest, sha, amy@az

Wed, Jul 29, 1:43 AM (7 days ago)

New visit(s) detected since last report: 19

Newly Detected Visit #1

Admin Date/Time: [REDACTED]

Hospital: [REDACTED]

City: [REDACTED]

County: [REDACTED]

Matching Case in MEDSIS: No Match

Matched Case ID: N/A

Case Classification (Only Available for Matched or Highly Likely Case Found): N/A

Newly Detected Visit #2

Admin Date/Time: [REDACTED]

Hospital: [REDACTED]

City: [REDACTED]

County: [REDACTED]

Matching Case in MEDSIS: No Match

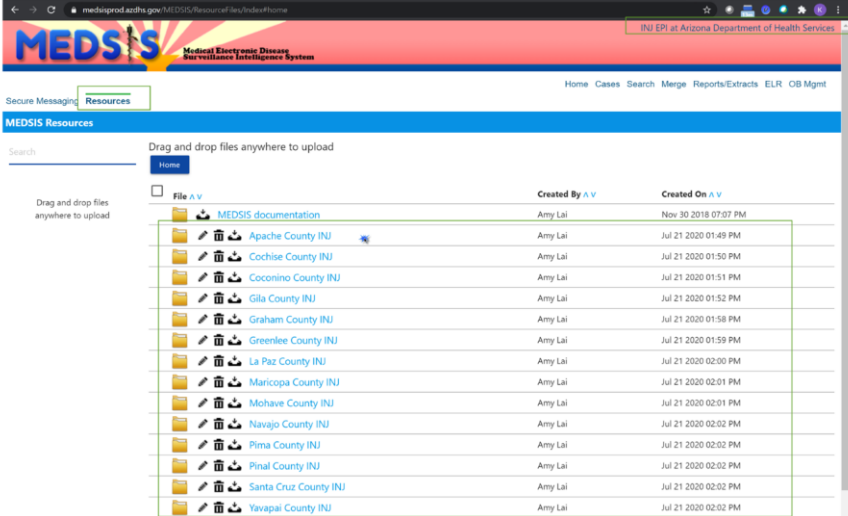
Matched Case ID: N/A

Case Classification (Only Available for Matched or Highly Likely Case Found): N/A

Contact Syndromicsurveillance@azdhs.gov for more information about the survey to sign up for ADHS ESSENCE email alerts for Coronavirus.

OD2A

ADHS MEDSIS Resources



medhsprod.azdhs.gov/MEDSIS/Resources/InjIndex/Home

MEDSIS Medical Emergency Disease Surveillance Intelligence System

INJ EPI at Arizona Department of Health Services

Home Cases Search Merge Reports/Extracts ELR OB Mgmt

Secure Messaging **Resources**

MEDSIS Resources

Drag and drop files anywhere to upload

Search

Home

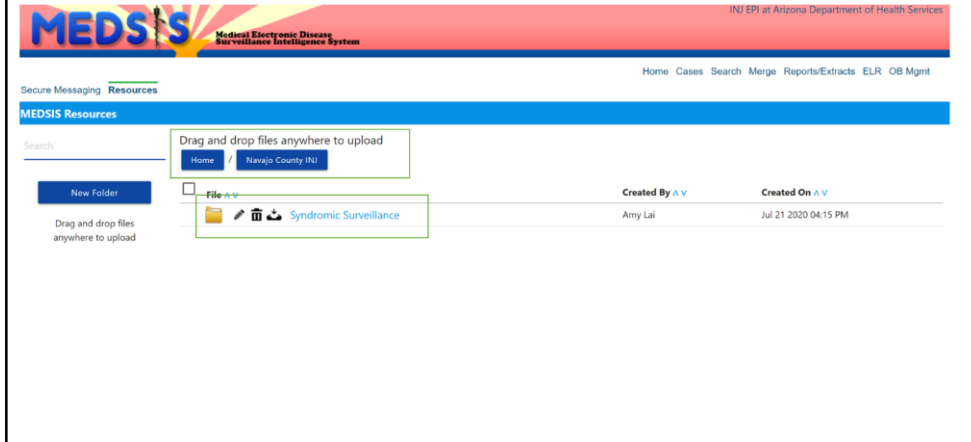
Drag and drop files anywhere to upload

File	Created By	Created On
MEDSIS documentation	Amy Lai	Nov 30 2018 07:07 PM
Apache County INJ	Amy Lai	Jul 21 2020 01:49 PM
Cochise County INJ	Amy Lai	Jul 21 2020 01:50 PM
Cocconino County INJ	Amy Lai	Jul 21 2020 01:51 PM
Gila County INJ	Amy Lai	Jul 21 2020 01:52 PM
Graham County INJ	Amy Lai	Jul 21 2020 01:58 PM
Greenlee County INJ	Amy Lai	Jul 21 2020 01:59 PM
La Paz County INJ	Amy Lai	Jul 21 2020 02:00 PM
Maricopa County INJ	Amy Lai	Jul 21 2020 02:01 PM
Mohave County INJ	Amy Lai	Jul 21 2020 02:01 PM
Navajo County INJ	Amy Lai	Jul 21 2020 02:02 PM
Pima County INJ	Amy Lai	Jul 21 2020 02:02 PM
Pinal County INJ	Amy Lai	Jul 21 2020 02:02 PM
Santa Cruz County INJ	Amy Lai	Jul 21 2020 02:02 PM
Yavapai County INJ	Amy Lai	Jul 21 2020 02:02 PM

Contact Syndromicsurveillance@azdhs.gov for more information about MEDSIS Resources Updates inconjunction with ESSENCE

OD2A

ADHS MEDSIS Resources



Contact Syndromicsurveillance@azdhs.gov for more information about MEDSIS Resources Updates inconjunction with ESSENCE

OD2A

ADHS MEDSIS Resources

MEDSIS Medical Electronic Disease Surveillance Intelligence System

INJ EPI at Arizona Department of Health Services

Home Cases Search Merge Reports/Extracts ELR OB Mgmt

Secure Messaging **Resources**

MEDSIS Resources

Search

Drag and drop files anywhere to upload

Home / Navajo County INI / Syndromic Surveillance

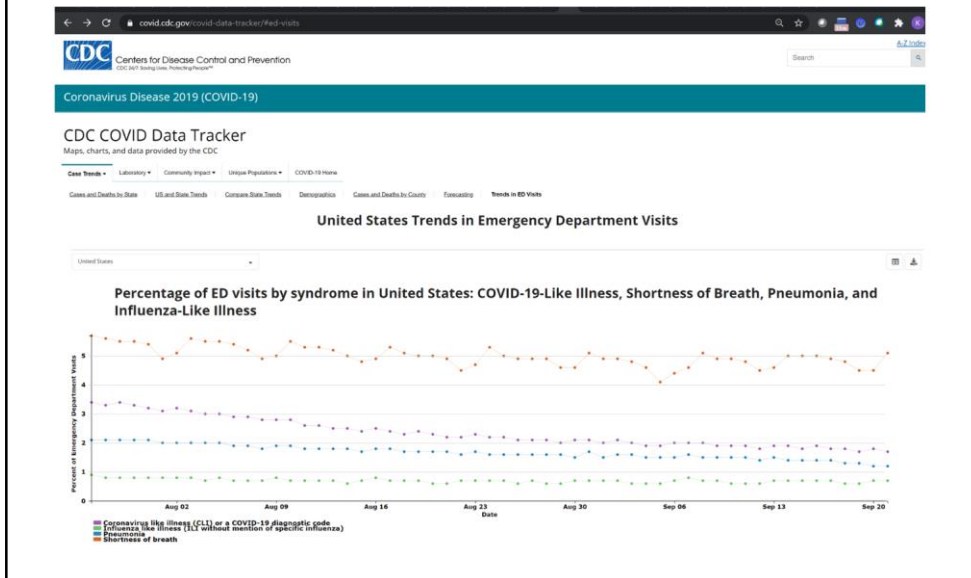
New Folder

Drag and drop files anywhere to upload

	Created By	Created On
☐ File Oploid Overdose	Amy Lai	Jul 21 2020 04:57 PM

Contact Syndromicsurveillance@azdhs.gov for more information about MEDSIS Resources Updates inconjunction with ESSENCE

NSSP Data Sharing

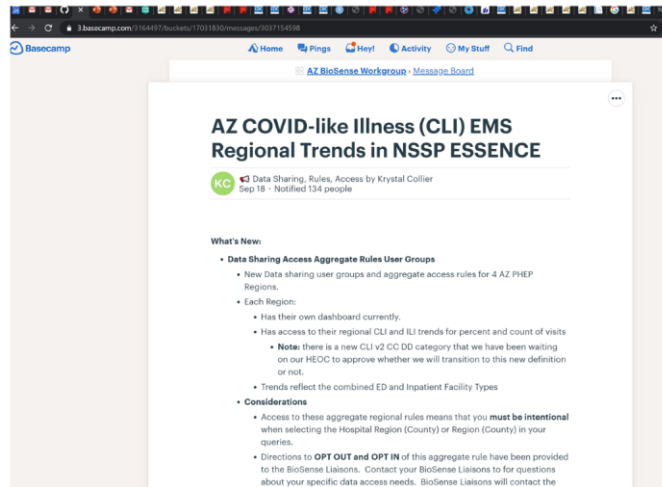


Contact Syndromicsurveillance@azdhs.gov for more information about NSSP Data Sharing <https://www.cdc.gov/covid-data-tracker/index.html#ed-visits>

- Data Requests for national CLI trends have been submitted to NSSP. Discussions with the NSSP CoP are taking place as a collaborative approach to address these requests.
- NSSP CoP September 2020 Call has updates from NSSP

ESSENCE Concepts

AZ CLI Regional Dashboards



- AZ BioSense Liaisons were given access to the AZ EMS/PHEP CLI Regional Aggregate Rule
- myESSENCE dashboards shared with individual BioSense Liaisons and in the library for download

ESSENCE Concepts

New CCDD Categories

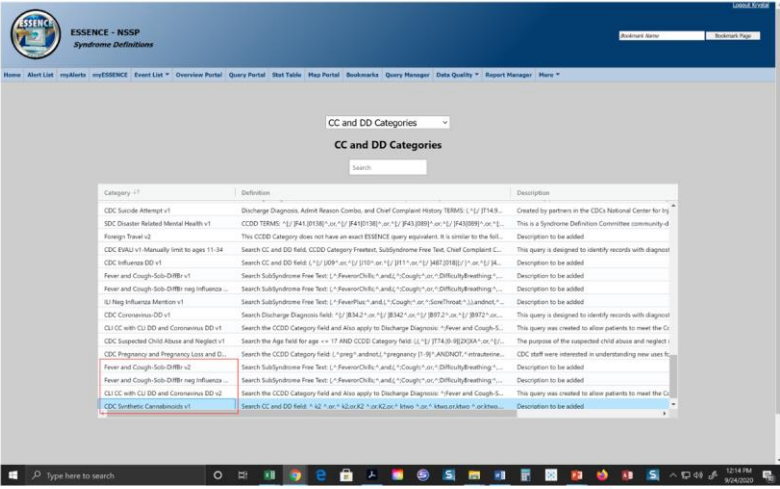
- Fever and Cough-Sob-DiffBr v2
- Fever and Cough-Sob-DiffBr neg Influenza DD v2
- CLI CC with CLI DD and Coronavirus DD v2
- CDC Synthetic Cannabinoids v1

Contact Syndromicsurveillance@azdhs.gov for more information.

- Request training if you aren't sure how to set up a particular query.

ESSENCE Concepts

New CCDD Categories



Category v1	Definition	Description
CDC Suicide Attempt v1	Discharge Diagnosis, Admit Reason Codes, and Chief Complaint History TERMS: (1/1/17143...	Created by partners in the CDC's National Center for H...
SDC Disaster Related Mental Health v1	CCDD TERMS: (1/1/17143) OR (1/1/17143) OR (1/1/17143) OR (1/1/17143) OR (1/1/17143)...	This is a Syndrome Definition Committee community-d...
Foreign Travel v2	This CCDD Category does not have an exact ESSENCE query equivalent. It is similar to the foll...	Description to be added
CDC EVALU v1 Manually limit to ages 11-34	Search CC and DD field, CCDD Category FreeText, Subsyndrome Free Text, Chief Complaint C...	This query is designed to identify records with diagno...
CDC Influenza DD v1	Search CC and DD field: (1/1/17143) OR (1/1/17143) OR (1/1/17143) OR (1/1/17143) OR (1/1/17143)...	Description to be added
Fever and Cough-Sub-DD v1	Search Subsyndrome Free Text: (1/1/17143) AND (1/1/17143) AND (1/1/17143) AND (1/1/17143)...	Description to be added
Fever and Cough-Sub-DD v1 neg Influenza...	Search Subsyndrome Free Text: (1/1/17143) AND (1/1/17143) AND (1/1/17143) AND (1/1/17143)...	Description to be added
U/ Neg Influenza Mention v1	Search Subsyndrome Free Text: (1/1/17143) AND (1/1/17143) AND (1/1/17143) AND (1/1/17143)...	Description to be added
CDC Coronavirus DD v1	Search Discharge Diagnosis field: (1/1/17143) OR (1/1/17143) OR (1/1/17143) OR (1/1/17143)...	This query is designed to identify records with diagno...
CU/IC with CU DD and Coronavirus DD v1	Search the CCDD Category field and Also apply to Discharge Diagnosis: "Fever and Cough-S...	This query was created to allow patients to meet the Co...
CDC Suspended Child Abuse and Neglect v1	Search the Age field for age < 17 AND CCDD Category field: (1/1/17143) OR (1/1/17143) OR (1/1/17143)...	The purpose of the suspended child abuse and neglect i...
CDC Pregnancy and Pregnancy Loss and G...	Search the CCDD Category field: (1/1/17143) AND (1/1/17143) AND (1/1/17143) AND (1/1/17143)...	CDC staff were interested in understanding new uses fo...
Fever and Cough-Sub-DD v2	Search Subsyndrome Free Text: (1/1/17143) AND (1/1/17143) AND (1/1/17143) AND (1/1/17143)...	Description to be added
Fever and Cough-Sub-DD neg Influenza...	Search Subsyndrome Free Text: (1/1/17143) AND (1/1/17143) AND (1/1/17143) AND (1/1/17143)...	Description to be added
CU/IC with CU DD and Coronavirus DD v2	Search the CCDD Category field and Also apply to Discharge Diagnosis: "Fever and Cough-S...	This query was created to allow patients to meet the Co...
CDC Synthetic Cannabinoids v1	Search CC and DD field: (1/1/17143) OR (1/1/17143) OR (1/1/17143) OR (1/1/17143) OR (1/1/17143)...	Description to be added

Contact Syndromicsurveillance@azdhs.gov for more information.

- Request training if you aren't sure how to set up a particular query.

ESSENCE Concepts

myESSENCE Dashboard Sharing Library

The screenshot shows the myESSENCE web application interface. At the top, there is a navigation bar with links like Home, Alert List, myESSENCE, Event List, Overview Portal, Query Portal, Stat Table, Map Portal, Bookmarks, Query Manager, Data Quality, Report Manager, and More. Below the navigation bar, there is a search bar and a table of dashboard templates. The table has columns for checkboxes, Tab Title, Tab Description, Uploaded By, Uploaded Date, Managed, and Geography Cleared. Several rows are highlighted with red boxes, indicating specific dashboards of interest.

☐	Tab Title	Tab Description	Uploaded By	Uploaded Date	Managed	Geography Cleared
☐	Home	No description	Leah Walker, Arkansas Department of Health	03/17/2020		
☐	Home	No description	Leah Walker, Arkansas Department of Health	03/17/2020		
☐	Lab Data for COVID-19 Response	Developed to identify and monitor COVID-19	Lakshmi Radhakrishnan, CA, Surveillance and Data Branch	03/19/2020	✓	
☐	COVID-19 Like by Region		Stacey Hoffner, Illinois Dept. of Public Health	03/19/2020		
☐	Home		Sue Turner, ADPH	03/25/2020		
☐	Home		Sue Turner, ADPH	03/25/2020		
☐	Measles	Monitor measles and measles-like virus, diag...	Karoly Potos, Washington State Department of Health	11/22/2019	✓	✓
☐	AZ HEDC COVID-19	This dashboard is being shared as a template...	Kristal Collier, Arizona Department of Health Services	06/17/2020	✓	✓
☐	No CC Available (Hospital) Daily Percent	Data Quality check for CC. Add myAlert for n...	Barbara Sattler, UDOH	06/18/2020		
☐	Behavioral Health Indicators	Intended to facilitate monitoring of behavior...	Amanda Morse, Washington State Department of Health	05/21/2020	✓	✓
☐	E-Scooter or Bike Share	Created with PHGIS to monitor e-scooter an...	Amanda Morse, Washington State Department of Health	05/27/2020	✓	✓
☐	Injury and Violence Indicators	Intended to facilitate monitoring of injury and...	Amanda Morse, Washington State Department of Health	05/28/2020	✓	✓
☐	Baseline Indicators		Amanda Morse, Washington State Department of Health	05/29/2020	✓	✓
☐	K5 COVID-19		Gale Huan, KDHE	06/02/2020	✓	
☐	Old Presentations COVID19		Zach Huan, CDC/Bioscience Contractor	06/10/2020	✓	
☐	CDPH Opssid Grant		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
☐	Influenza		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
☐	Data Quality Dashboard1		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
☐	Novel Coronavirus		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
☐	IJ Dashboard	Tennessee IJ Monitoring by MMWR week, w...	Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
☐	WA Wildlife	Monitor health effects from wildlife smoke R...	Kali Turner, Washington State Department of Health	06/17/2020	✓	
☐	WA Wildlife_3	Streamlined Washington wildlife dashboard ...	Kali Turner, Washington State Department of Health	06/17/2020		✓
☐	AZ HEDC COVID-19 EMS Region-Southeast...		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
☐	AZ HEDC COVID-19 EMS Region-Northern		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
☐	AZ HEDC COVID-19 EMS Region-Central		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
☐	AZ HEDC COVID-19 EMS Region-Western		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
☐	H. Saly Overview		Michelle Vickers, Alabama Department of Public Health, O&O	06/21/2020		

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ESSENCE Concepts

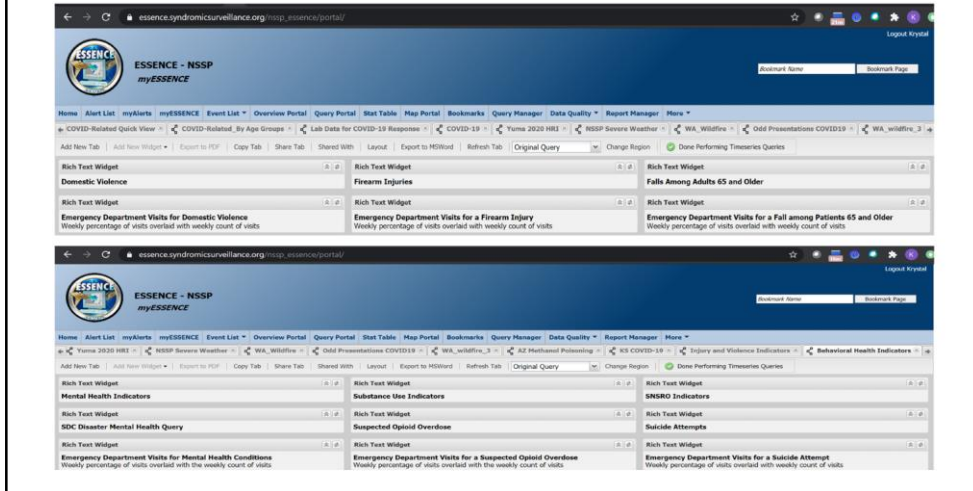
AZ CLI Regional Dashboards

Tab Title	Tab Description	Uploaded By	Uploaded Date	Managed	Geography Cleared
Home	No description	Leah Waller, Arkansas Department of Health	03/17/2020		
Home	No description	Leah Waller, Arkansas Department of Health	03/17/2020		
Lab Data for COVID-19 Response	Developed to identify and monitor COVID-19	Lakshmi Radhakrishnan, CA, Surveillance and Data Branch	03/19/2020	✓	
COVID19 Like by Region		Stacey Hoffner, Illinois Dept. of Public Health	03/19/2020		
Home		Suzi Turner, ACDPH	03/25/2020		
Home		Suzi Turner, ACDPH	03/25/2020		
Measles	Monitor measles and measles-like virus, diag...	Karoly Potos, Washington State Department of Health	11/22/2019	✓	✓
AZ HEDC COVID-19	This dashboard is being shared as a template...	Kristal Collier, Arizona Department of Health Services	06/10/2020	✓	✓
No CC Available (Hospital) Daily Percent	Data Quality check for CC. Add myText for n...	Eunice Santos, UCDH	05/14/2020		
Behavioral Health Indicators	Intended to facilitate monitoring of behavior...	Amanda Morse, Washington State Department of Health	05/21/2020	✓	✓
E-Scooter or Bike Share	Created with PHSC to monitor e-scooter an...	Amanda Morse, Washington State Department of Health	05/27/2020	✓	✓
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Baseline Indicators		Amanda Morse, Washington State Department of Health	05/29/2020	✓	✓
K5 COVID-19		Gale Huan, KDHE	06/02/2020	✓	
Q&A Presentations COVID19		Zach Hearn, CDC/Bioscience Contractor	06/10/2020	✓	
CDPH Opsaid Grant		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
Influenza		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
Data Quality Dashboard1		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
Novel Coronavirus		Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
IJ Dashboard	Tennessee IJ Monitoring by MMWR week, w...	Mikula Caton, County of Santa Cruz Health Services Agency	07/06/2020		
IA, Wildlife	Monitor health effects from wildlife smoke, R...	Kali Turner, Washington State Department of Health	06/17/2020	✓	
IA, Wildlife_3	Streamlined Washington wildlife dashboard ...	Kali Turner, Washington State Department of Health	06/17/2020	✓	✓
AZ HEDC COVID-19 EMS Region-Southeast		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
AZ HEDC COVID-19 EMS Region-Northern		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
AZ HEDC COVID-19 EMS Region-Central		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
AZ HEDC COVID-19 EMS Region-Western		Kristal Collier, Arizona Department of Health Services	06/19/2020	✓	
H. Saly Overview		Michelle Vickers, Alabama Department of Public Health, O&O	06/21/2020		

- AZ BioSense Liaisons were given access to the AZ EMS/PHEP CLI Regional Aggregate Rule
- myESSENCE dashboards shared with individual BioSense Liaisons and in the library for download

ESSENCE Concepts

myESSENCE Dashboards-Multiple CCDD Categories & Syndromes



Contact Syndromicsurveillance@azdhs.gov for more information.

- Request training if you aren't sure how to set up a particular query.

ESSENCE Concepts

Behavioral Health Indicators

- Is this type of dashboard helpful for surveillance?
- What Indicators are helpful for AZ?
- What else would you like to see?
- Can this be helpful for Secondary Outcomes of COVID?

Contact Syndromicsurveillance@azdhs.gov for more information.

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ESSENCE Concepts

Injury and Prevention Indicators

- Is this type of dashboard helpful for surveillance?
- What Indicators are helpful for AZ?
- What else would you like to see?
- Can this be helpful for Secondary Outcomes of COVID?

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Discussion/Open Mic

- How can we apply the tools and practices developed for COVID-19 to other use cases?
- Would some of this support overdose surveillance activities?
- How can current automated processes reduce burden?

Homework

- What questions do you have about current projects?
- What ideas do you have for future projects?
- What ESSENCE questions or issues have you come across?
- **What other resources can we work on putting together?**

Upcoming AZ Syndromic Meetings

AZ BioSense
Workgroup

Thursday, Oct
8th from 1:00
– 2:00

Exploratory Analysis
Subgroup/AZ Opioid
BioSense Workgroup

Thursday, Oct
22nd from
1:00 – 2:00

THANK YOU

syndromicsurveillance@azdhs.gov | 602-542-6002

azhealth.gov

🐦 @azdhs

📘 facebook.com/azdhs



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans