

Exploratory Analysis Subgroup/AZ BioSense Opioid Workgroup

April 23, 2020



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Agenda

- Welcome and Attendance
 - OD2A DOSE
 - [CDC Nonfatal Drug Overdose Website](#)
 - NSSP CoP ad-hoc calls coming
- Emergent Conditions
 - Coronavirus Disease 2019 [COVID-19](#)
 - [A NATIONAL COVID-19 SURVEILLANCE SYSTEM: ACHIEVING CONTAINMENT](#)
 - Update for ADHS ESSENCE Email Alerts and MEDSIS Resources-County-Syndromic Surveillance-COVID19-Detailed ESSENCE Line List
 - [ADHS Hospital COVID-like and Influenza-like Illness Dashboards](#)
 - NSSP Data Sharing
 - National Response Coordinating Center
 - [NSSP CoP April 21, 2020 Call](#)
 - Topic: How NSSP Has Used Data for the COVID-19 Response
 - R Shiny Dashboard
 - COVID-19 Exploratory Analysis
 - Lab Data in ESSENCE

Agenda

- NSSP Updates-CC DD Categories Available Now
 - CLI CC with CLI DD and Coronavirus DD v1
 - CDC Suspected Child Abuse and Neglect v1
- ESSENCE Concepts
 - ADHS dashboards available in myESSENCE Dashboard Library for Download
 - AZ_HEOC_COVID-19
- Discussion/Open Mic
- Upcoming Meetings

AZ BioSense Opioid Workgroup

OD2A DOSE

- [CDC Nonfatal Drug Overdose Website](https://www.cdc.gov/drugoverdose/data/nonfatal.html)

[CDC Nonfatal Drug Overdose Website:](https://www.cdc.gov/drugoverdose/data/nonfatal.html)

<https://www.cdc.gov/drugoverdose/data/nonfatal.html>

<https://www.cdc.gov/drugoverdose/data/nonfatal/case.html>

Opioid Overdose

CDC > Opioid Overdose > Data > Nonfatal Drug Overdoses

Opioid Overdose

Opioid Basics

Data

Data Analysis and Resources

Drug Overdose Deaths

Nonfatal Drug Overdoses

DOSE System

All Drugs

All Opioids

Heroin

All Stimulants

Prescription Opioids

U.S. Prescribing Rate Maps

Heroin Overdose

Synthetic Opioid Overdose

CDC's Drug Overdose Surveillance and Epidemiology (DOSE) System

The CDC DOSE system was developed to analyze data from syndromic surveillance systems to rapidly identify outbreaks and provide situational awareness of changes in drug overdose-related emergency department (ED) visits at the local, state, and regional level. DOSE leverages timely ED syndromic data captured by health departments to gather aggregate data on ED visits involving suspected all drug, all opioid, heroin, and all stimulant overdoses. Aggregate data include demographic characteristics of those who overdosed, such as sex, age, and county of patient residence. Jurisdictions share their data with CDC as frequently as every two weeks either by uploading data using a secure server or allowing DOSE staff access to their data in CDC's National Syndromic Surveillance Program's (NSSP) BioSense platform. The number of jurisdictions included in the calculations of monthly and annual percent change estimates in rates will vary over time. Comparisons between jurisdictions should not be made because of variations in data quality, completeness, and reporting across jurisdictions.

Syndrome Definition

A hallmark of the DOSE System is the use of standardized syndrome definitions for suspected all drug, all opioid, heroin, and all stimulant overdoses. All definitions draw from multiple fields within ED data to classify visits as overdose-related.

We use diagnostic codes medical professionals use for clinical diagnosis and insurance billing purposes, specifically, *International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)* codes, *International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)* codes, and SNOMED (*Systematized Nomenclature of Medicine – Clinical Terms*) codes. Where manner of injury is defined, only diagnosis codes for "unintentional" or "undetermined" intent drug poisoning are included in the DOSE standardized syndrome definitions.

Although most diagnostic codes provide sufficient indication of a suspected drug overdose, another subset of diagnostic codes specific to opioid drug use, abuse, and dependence is less specific; therefore, when these are the only codes present, additional information is needed for the ED visit to be captured as a suspected drug overdose.

[CDC Nonfatal Drug Overdose Website:](https://www.cdc.gov/drugoverdose/data/nonfatal.html)

<https://www.cdc.gov/drugoverdose/data/nonfatal.html>

<https://www.cdc.gov/drugoverdose/data/nonfatal/case.html>

NSSP CoP Ad-Hoc Calls Topics of Interest

- ESSENCE Tips and Tricks for COVID-19
 - What happened to my denominator?
 - Addressing Changing numerators and Shrinking denominators during COVID-19 pandemic.
 - How to handle non-COVID-19 Syndromic Surveillance?
 - Overdose/Mental Health/Injury
 - Knowledge Repository Tutorial
 - COVID-19 Resources
 - Creating Reports and Dashboards to share COVID-19 Syndromic Surveillance data Externally
-
- What questions does AZ have?

Emergent Conditions

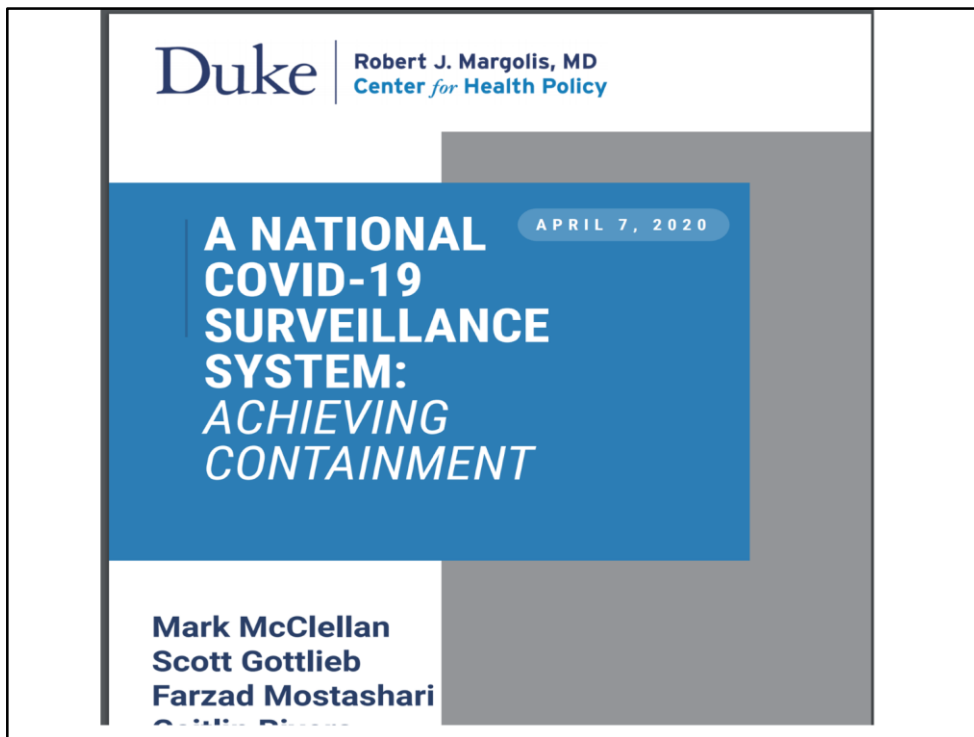
- Coronavirus Disease 2019 [COVID-19](#)

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>



<https://www.aei.org/research-products/report/a-national-covid-19-surveillance-system-achieving-containment/>
https://healthpolicy.duke.edu/sites/default/files/atoms/files/covid-19_surveillance_roadmap_final.pdf

Lots of national interests from federal partners in this white paper.

Emergent Conditions ADHS ESSENCE Email Alerts

- Email alerts API updated to new CCDD Category in NSSP
ESSENCE:
 - CLI CC with CLI DD and Coronavirus DD v1

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

- Intended to be an alert
- Not sending too many details
- MEDSIS Resources will have Line List with more information

Emergent Conditions

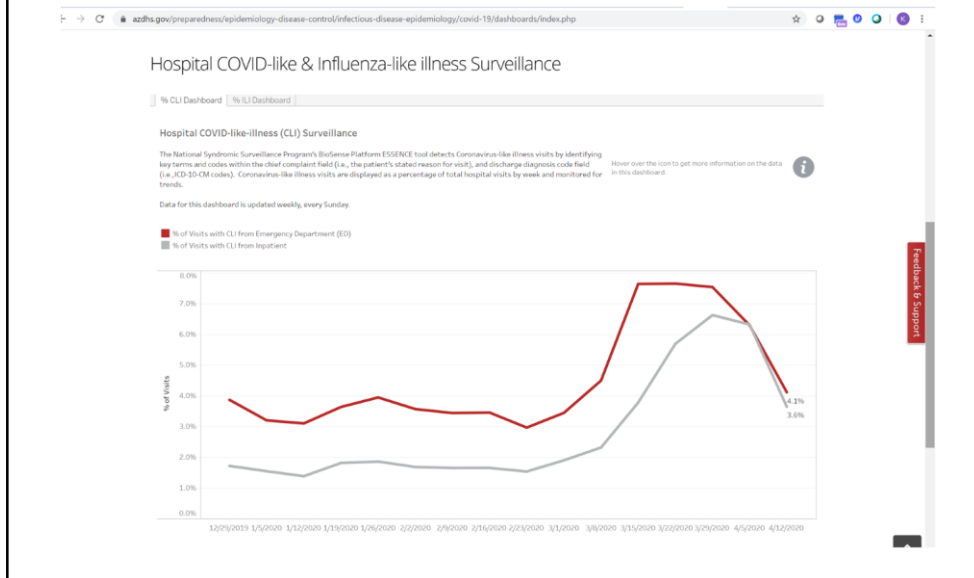
ADHS COVID-19 Data Dashboard

- [ADHS Hospital COVID-like and Influenza-like Illness Dashboards](#)

Contact Syndromicsurveillance@azdhs.gov for more information about [ADHS Hospital COVID-like and Influenza-like Illness Dashboards](#):
<https://www.azdhs.gov/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/covid-19/dashboards/index.php>

Emergent Conditions

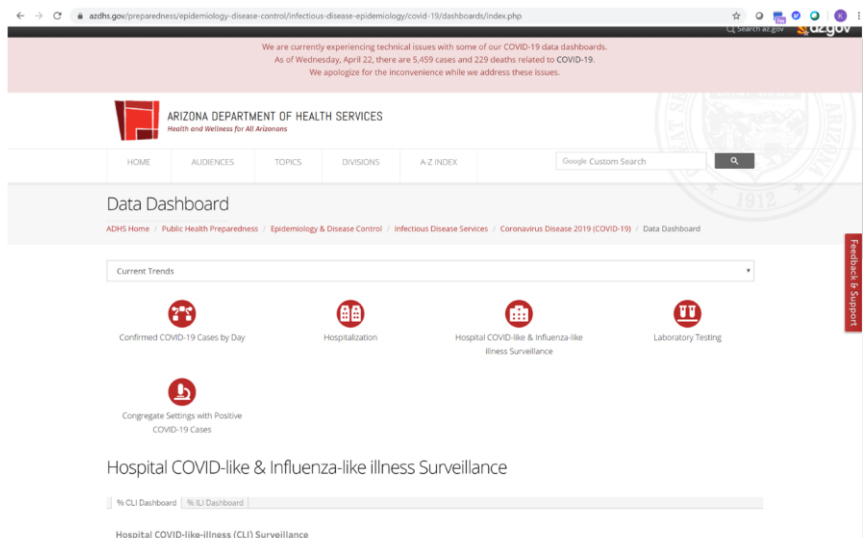
ADHS COVID-19 Data Dashboard



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Emergent Conditions

ADHS COVID-19 Data Dashboard



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

Category: 37

CDC Stimulants v3

CDC Alcohol v1

Marijuana v3

CDC Suicidal Ideation v1

CDC Suicide Attempt v1

SDC Disaster Related Mental ...

Foreign Travel v2

CDC EVALI v1-Manually limit t...

CDC Influenza DD v1

Fever and Cough-Sob-DiffBr v1

Fever and Cough-Sob-DiffBr n...

ILI Neg Influenza Mention v1

CDC Coronavirus-DD v1

CLI CC with CLI DD and Coron...

CDC Suspected Child Abuse a...

CLI CC with CLI DD and Coronavirus DD v1

Category: CLI CC with CLI DD and Coronavirus DD v1

Definition:

Search the CCDD Category field and Also apply to Discharge Diagnosis: ^Fever and Cough-Sob-DiffBr neg Influenza DD v1.^or.^CDC Coronavirus-DD v1.^or.(.^(^J50.9^or.^J509^),and(.^(^J06.02^or.^J0602^or.^J07.0^or.^J070^),)andnot(.^(^J09^or.^J10^or.^J11^or.^J487 [018]/^or.^J487[018]/^or.^J488 [018]/^or.^J488[018]/^or.^J42696006/^or.^J442438000/^or.^J6142004/^or.^J195878008/^or.^J98.8^or.^J988^or.^J222^or.^J80^

Description:

This query was created to allow patients to meet the Corona-like Illness definition through the Discharge Diagnosis codes if not already meeting the definition through their Chief Complaints. It also pulls in visits meeting the Coronavirus DD query along with a few other coronavirus ICD10 codes included in the CDCs interim guidance document.

Date Cre... 37

2019-10-10

2019-11-08

2019-12-03

2019-12-18

2019-12-18

2020-01-08

2020-01-23

2020-02-14

2020-03-06

2020-03-10

2020-03-16

2020-03-30

2020-04-02

2020-04-08

2020-04-23

Emergent Conditions NSSP Data Sharing

- National Response Coordinating Center
- NSSP CoP April 21, 2020 Call
 - Topic: How NSSP Has Used Data for the COVID-19 Response
- R Shiny Dashboard
- COVID-19 Exploratory Analysis
- Lab Data in ESSENCE

Contact Syndromicsurveillance@azdhs.gov for more information about NSSP Data Sharing

Emergent Conditions NSSP Data Sharing

- National Response Coordinating Center

Contact Syndromicsurveillance@azdhs.gov for more information about NSSP Data Sharing

Data Sharing

National Syndromic Surveillance Program

National Response Coordinating Center

- National Syndromic Surveillance Program notifies Site Administrators that syndromic data being shared with the National Response Coordinating Center (formerly White House Coronavirus Task Force) 04/02/2020
- Data Sharing occurring at this level because of requirements in the Cooperative Agreement for Emergency Response, COVID-19 Public Health Crisis Response
- In addition to this ADHS began sharing line level data with NSSP through the Access & Management Center on 04/13/2020 for the COVID-19 response.

National Syndromic Surveillance Program (NSSP)
National Response Coordinating Center (NRCC)

- On the Core Committee call 04/13/2020, details and clarification were provided by Paula Yoon and Mike Coletta about the email to Site Admins, and a call where this update was provided to State Epidemiologists.
- When this response is over, NSSP will go back to following the data sharing practices and activities outlined and agreed upon in the Data Use Agreements.
- NSSP is working with the Core Committee and CSTE to host webinars and provide more in depth details. The NSSP CoP call on 04/21/2020@12pm-1:30pm is scheduled to provide more updates from NSSP to the community.

Data Sharing

National Syndromic Surveillance Program

National Response Coordinating Center

- NSSP is taking steps to de-identified fields before sharing with the NRCC
- Update on 4/21/2020
 - Shared at Line Level Access

NSSP is working on posting a list of data elements shared with NRCC on the Knowledge Repository as a resource from the NSSP CoP April 21, 2020 call

Data Sharing

National Syndromic Surveillance Program

National Response Coordinating Center

- Examples of these fields are:
 - Medical Record number
 - Date of Birth
 - Chief Complaint
 - Discharge Diagnosis
 - Clinical Impression
 - Triage Notes

NSSP is working on posting a list of data elements shared with NRCC on the Knowledge Repository as a resource from the NSSP CoP April 21, 2020 call

NSSP Updates

NSSP Community of Practice Resources

- **April 2020** (Topic: How NSSP Has Used Data for the COVID-19 Response) - [Recording](#), [Slides](#),

2020 MEETINGS

April 2020 (Topic: How NSSP Has Used Data for the COVID-19 Response) - [Recording](#)
<https://vimeo.com/410751579>, [Slides](#),
https://www.cste.org/resource/resmgr/nssp/CoP_Update_Call_4.17.20_cle.pptx

Emergent Conditions

NSSP Data Sharing

- R Shiny Dashboard
 - COVID-19 Exploratory Analysis
 - *Special Considerations
 - These are same labs that ADHS has access to through Electronic Laboratory Reporting
 - ADHS had to agree to specific terms for accessing this data
 - ADHS needs to request user access through NSSP
 - Data currently not visible at county or region level

Contact Syndromicsurveillance@azdhs.gov for more information about NSSP Data Sharing and access to the R Shiny dashboard, COVID-19 Exploratory Analysis, Lab Data in ESSENCE

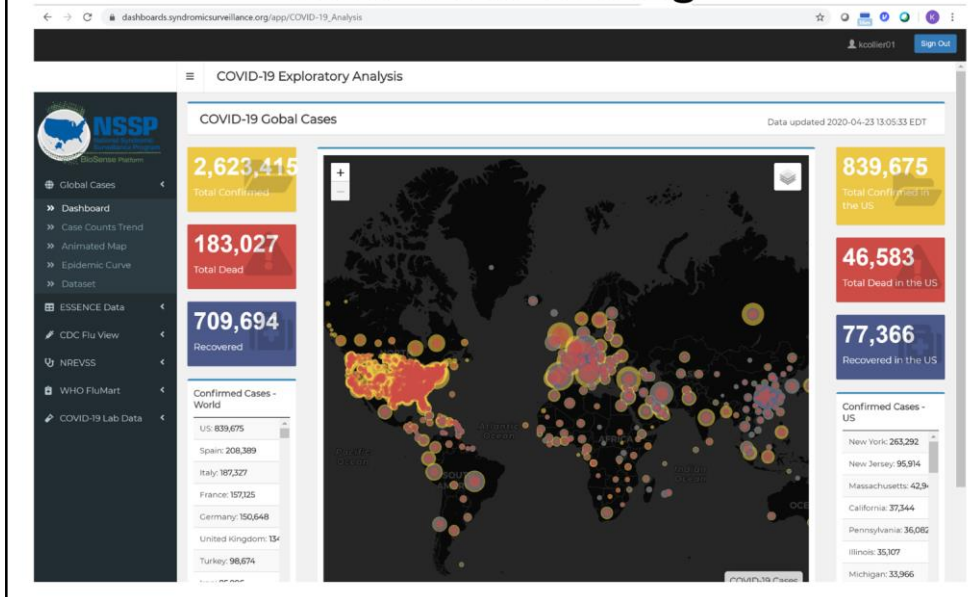
Emergent Conditions NSSP Data Sharing

- R Shiny Dashboard
 - COVID-19 Exploratory Analysis
 - *Special Considerations
 - If local public health jurisdictions would like to discuss accessing this data, contact syndromicsurveillance@azdhs.gov
 - Access requests will need to go through your BioSense Liaison

Contact [Syndromicsurveillance@azdhs.gov](mailto:syndromicsurveillance@azdhs.gov) for more information about NSSP Data Sharing and access to the R Shiny dashboard, COVID-19 Exploratory Analysis, Lab Data in ESSENCE

Emergent Conditions

NSSP Data Sharing



Contact Syndromicsurveillance@azdhs.gov for more information about NSSP Data Sharing and access to the R Shiny dashboard, COVID-19 Exploratory Analysis, Lab Data in ESSENCE

Emergent Conditions NSSP Data Sharing

- Lab Data in ESSENCE
 - Currently has commercial lab data available from half of commercial labs across nation
 - *Special Considerations
 - These are same labs that ADHS has access to through Electronic Laboratory Reporting
 - ADHS had to agree to specific terms for accessing this data
 - ADHS needs to request user access through NSSP
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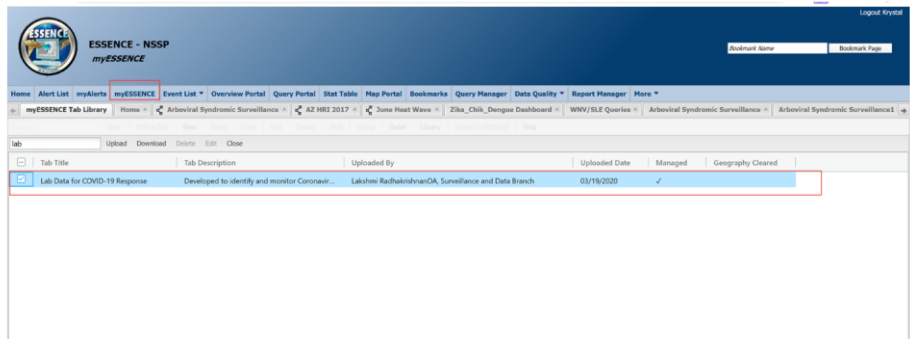
Emergent Conditions NSSP Data Sharing

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Emergent Conditions

NSSP Data Sharing



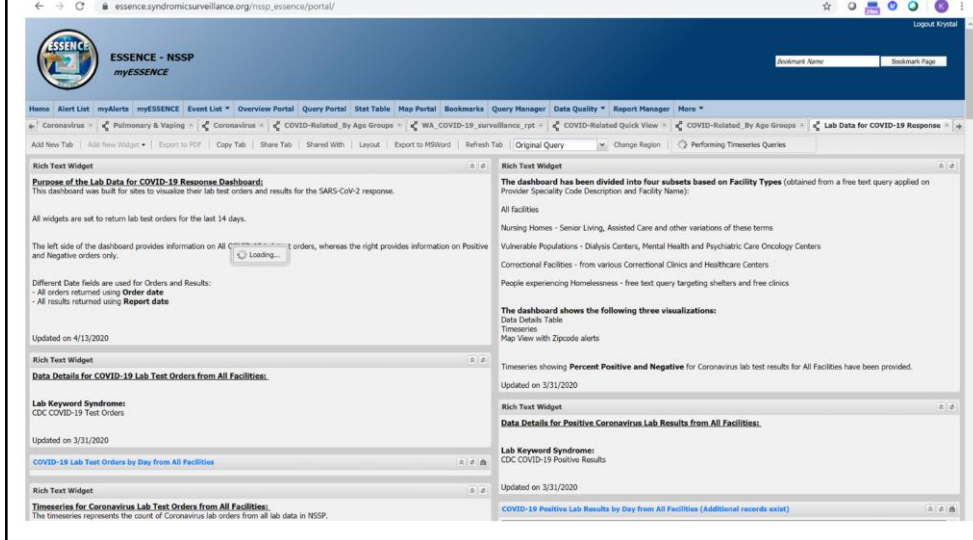
The screenshot displays the ESSENCE - NSSP myESSENCE web application. The interface includes a top navigation bar with the ESSENCE logo and a user login area. Below the navigation bar is a breadcrumb trail and a list of tabs. The 'myESSENCE' tab is selected, leading to a table of lab data. The table has columns for Tab Title, Tab Description, Uploaded By, Uploaded Date, Managed, and Geography Cleared. A single row is visible, representing 'Lab Data for COVID-19 Response'.

Tab Title	Tab Description	Uploaded By	Uploaded Date	Managed	Geography Cleared
Lab Data for COVID-19 Response	Developed to identify and monitor Coronavir...	Lakshmi Radhakrishnan/IA, Surveillance and Data Branch	03/19/2020	✓	

Contact Syndromicsurveillance@azdhs.gov for more information about NSSP Data Sharing and access to the R Shiny dashboard, COVID-19 Exploratory Analysis, Lab Data in ESSENCE

Emergent Conditions

NSSP Data Sharing



Contact Syndromicsurveillance@azdhs.gov for more information about NSSP Data Sharing and access to the R Shiny dashboard, COVID-19 Exploratory Analysis, Lab Data in ESSENCE

Emergent Conditions

ADHS ESSENCE Email Alerts

- Feedback Requested for:
 - How to improve alerts?
 - Do these meet your needs?
 - Have the alerts prompted any public health actions?

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

Emergent Conditions

MEDSIS Resources ESSENCE Line Lists

- Feedback Requested for:
 - How to improve Line Lists?
 - Do these meet your needs?
 - Have the Line Lists prompted any public health actions?

Contact Syndromicsurveillance@azdhs.gov for more information about the survey to sign up for ADHS MEDSIS Resources for ESSENCE Line Lists for Coronavirus

NSSP ESSENCE CCDD Category Updates

- Check More Tab for recent CCDD Category syndromes added
- Review the Definition and additional information about syndrome

NSSP Updates

CC and DD Category Definitions

The screenshot displays the ESSENCE NSSP Syndrome Definitions website interface. At the top, there's a navigation bar with links like Alert List, myAlerts, myESSENCE, Event List, Overview Portal, Query Portal, Stat Table, Map Portal, Bookmarks, Query Manager, Data Quality, Report Manager, and More. A dropdown menu under 'More' shows options: History of ESSENCE, Syndrome Definitions (highlighted), Detector Algorithms, Definition of Terms, FAQ, Users Guide, and Version Information.

In the center, a box labeled 'CC and DD Categories' has a search input field below it. Below this is a table titled 'CC and DD Categories' listing various syndrome categories with their definitions and descriptions.

Category ID	Definition	Description	Date Created
CDC Stimulants v3	CCDD TERMS: ^L/J [9697012398]/^I/.or.^J [9697012398]/^I/.or.^... Description to be added	Description to be added	2019-10-10
CDC Alcohol v1	CCDD TERMS: ^L/J [Y907].or.^J [F1011232].or.^J [F1097].or.^J [F... Description to be added	Description to be added	2019-11-08
Marijuana v3	CCDD TERMS: ^L/marij^.or.^maraj^.or.^ marichuana^.or.^ mariju@l... Description to be added	Description to be added	2019-12-03
CDC Suicidal Ideation v1	Discharge Diagnosis, Admit Reason Combo, and Chief Complaint HL...	Created by partners in the CDC's National Center for Injury Prevent...	2019-12-18
CDC Suicide Attempt v1	Discharge Diagnosis, Admit Reason Combo, and Chief Complaint HL...	Created by partners in the CDC's National Center for Injury Prevent...	2019-12-18
SOC Disaster Related Mental ...	CCDD TERMS: ^L/J [F41[0138]].or.^J [F41[0136]].or.^J [F43[089... This is a Syndrome Definition Committee community-developed sy...	This is a Syndrome Definition Committee community-developed sy...	2020-01-08
Foreign Travel v2	This CCDD Category does not have an exact ESSENCE query equal...	Description to be added	2020-01-23
CDC EVALI v1-Manually limit t...	Search CC and DD field: CCDD Category FreeText, SubSyndrome Fre...	This query is designed to identify records with diagnostic codes rec...	2020-02-14
CDC Influenza DD v1	Search CC and DD field: ^L/J [J097].or.^J [J107].or.^J [J117].or.^J [... Description to be added	Description to be added	2020-03-10
Fever and Cough-Sob-DiffB r v1	Search SubSyndrome Free Text: ^L/FeverOrChills^and(^L/Cough^)... Description to be added	Description to be added	2020-03-16
Fever and Cough-Sob-DiffB n...	Search SubSyndrome Free Text: ^L/FeverOrChills^and(^L/Cough^)... Description to be added	Description to be added	2020-03-16
ILI Neg Influenza Mention v1	Search SubSyndrome Free Text: ^L/FeverOrChills^and(^L/Cough^)... Description to be added	Description to be added	2020-03-30
CDC Coronavirus-DD v1	Search Discharge Diagnosis field: ^L/[R3427.or.^J/[R3427.or.^J... This query is designed to identify records with diagnostic codes as...	This query is designed to identify records with diagnostic codes as...	2020-04-02
CLI CC with CLI DD and Coron...	Search the CCDD Category field and Also apply to Discharge Diagn...	This query was created to allow patients to meet the Corona-like ill...	2020-04-08
CDC Suspected Child Abuse a...	Search the Age field for age <= 17 AND CCDD Category field: (^L/E... The purpose of the suspected child abuse and neglect (SCAN) syndr...	The purpose of the suspected child abuse and neglect (SCAN) syndr...	2020-04-23

A red box highlights the last two rows of the table. A small note at the bottom right says "Click row to view full definition and descriptors".

NSSP Updates

New CCDD Categories

- CLI CC with CLI DD and Coronavirus DD v1
- CDC Suspected Child Abuse and Neglect v1

Category: 37

CDC Stimulants v3

CDC Alcohol v1

Marijuana v3

CDC Suicidal Ideation v1

CDC Suicide Attempt v1

SDC Disaster Related Mental ...

Foreign Travel v2

CDC EVALI v1-Manually limit t...

CDC Influenza DD v1

Fever and Cough-Sob-DiffBr v1

Fever and Cough-Sob-DiffBr n...

ILI Neg Influenza Mention v1

CDC Coronavirus-DD v1

CLI CC with CLI DD and Coron...

CDC Suspected Child Abuse a...

CLI CC with CLI DD and Coronavirus DD v1

Category: CLI CC with CLI DD and Coronavirus DD v1

Definition:

Search the CCDD Category field and Also apply to Discharge Diagnosis: ^Fever and Cough-Sob-DiffBr neg Influenza DD v1.^or.^CDC Coronavirus-DD v1.^or.(.^(/J50.9^or.^/J50.9^),and(.^(/R05^or.^/R06.02^or.^/R0602^or.^/J07.0^or.^/J070^),)andnot(.^(/J09^or.^/J10^or.^/J11^or.^/J487.[018]/^or.^/J487.[018]/^or.^/J488.[018]/J19]/^or.^/J488.[018]/J19]/^or.^/J42696006]/^or.^/J442438000]/^or.^/J6142004]/^or.^/J195878008]/^),or.^/J98.8^or.^/J988^or.^/J222^or.^/J80^

Description:

This query was created to allow patients to meet the Corona-like Illness definition through the Discharge Diagnosis codes if not already meeting the definition through their Chief Complaints. It also pulls in visits meeting the Coronavirus DD query along with a few other coronavirus ICD10 codes included in the CDCs interim guidance document.

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2020-03-10

2020-03-16

2020-03-30

2020-04-02

2020-04-08

2020-04-23

33

Category

CDC Stimulants v1
CDC Stimulants v2
Cold Related Illness v1
Foreign Travel
Heat Related Illness v1
Heat Related Illness v2
ILI CCDD v1
Intimate Partner Violence v1
Marijuana v1
Marijuana v2
Mumps v1
Norovirus v1
SDC Suicide Related v1
Sexual Violence v1
Sexual Violence v2
Visits of Interest

ILI CCDD v1

Category: ILI CCDD v1

Definition:
CCDD TERMS: (,"fever".andnot,"denies fev".andnot,"shot".andnot,"afeb".andnot,"no fev".andnot,"no temp".or,"chill".or,"pyrexia".or,"febrile".or,"high temp".or,"elevated temp".andnot,"denies any elevated temp".andnot,"no elevated temp".or,"feeling hot".or,"feels hot".or,"fvr".andnot,"denies fvr".andnot,"no fvr".),and,(,"cough".andnot,"denies cough".or,"score "th[oir][aio][aif]t".or,"soreth[oir][aio][aif]t".or,"strep".or,"pharyn".or,"upper resp").or,(,"/j J09".or,"/j J10".or,"/j J11".or,"/j J487 [018]".or,"/j J487[018]".or,"/j J487 [018]".or,"/j J487[018]".or,"/j J488 [018][19]".or,"/j J488 [018][19]".or,"/j J488[018] [19]".or,"442896006".or,"442438004".or,"195878008".or,"influenza".andnot,"vaccin".andnot,"shot".andnot,"imm flu".andnot,"shot".andnot,"stomach".andnot,"vaccin".andnot,"immuniza".or,"flu like".or,"flulike".or,"flu symptom").andnot,"/j JA08.4".andnot,"/j JA084"

Description:

Description to be added

Save Description

Close

Date Cre...

2019-04-11
2019-04-18
2019-02-08
2014-05-22
2019-04-11
2019-04-18
2019-04-11
2019-04-18
2019-04-11
2018-12-14
2017-04-07
2017-03-16
2019-04-18
2018-04-27
2019-04-18
2013-04-14

ESSENCE Concepts

- ADHS has shared a new dashboard in myESSENCE library with queries being used for
 - ADHS Data Dashboard>Hospital-COVID and Influenza like Illness
- Download new dashboard from Krystal for new information.

ESSENCE Concepts

- Krystal Collier has shared new dashboards

– AZ_HEOC_COVID-19

ESSENCE Concepts

AZ_HEOC_COVID-19

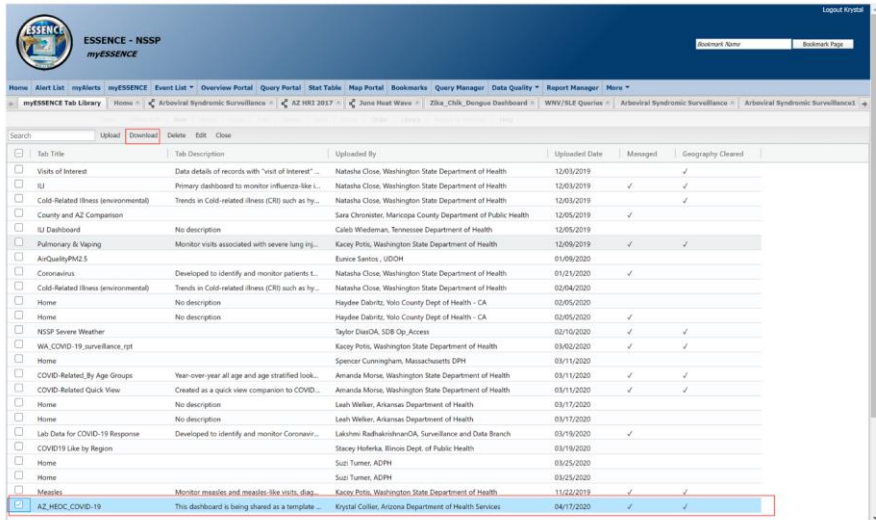
Tab Title	Tab Description	Personal Note	Shared With	Shared By	Managed By	Hidden
Test						
☐ STD Test						
☐ IU DL Workshop	This is a test dashboard for the IU use case fo...					
☐ IU COVID19 TEST						
☐ Test Map						
☐ COVIDTEST						
☐ HR Test						
Dashboard for Surveillance						
☐ Arboviral Syndromes Surveillance	No description					
☐ AZ HR 2017	No description					
☐ June Heat Wave	No description					
☐ Zika, Chik, Dengue Dashboard	No description					
☐ WNV/USLE Queries	No description					
☐ Arboviral Syndromes Surveillance1	No description					
☐ Arboviral Syndromes Surveillance1	No description					
☐ Maricopa dashboard with tables	No description					
☐ Arizona / Region 9 IJ	No description					
☐ End of World Dashboard	No description					
☐ IU - 1920 Season						
COVID-19						
☐ IU COVID-19 Response	Dashboard created as additional information ...					
☐ AZ COVID-19 Related By Age Groups						
☐ HEOC COVID-19						
☐ HEOC COVID-19 S-PHEP Region						
☐ HEOC COVID-19 S-PHEP Region						
☐ HEOC COVID-19 S-PHEP Region						

Contact Syndromicsurveillance@azdhs.gov for more information.

- Open NSSP ESSENCE and the myESSENCE tab.
- Click on Library

ESSENCE Concepts

AZ_HEOC_COVID-19



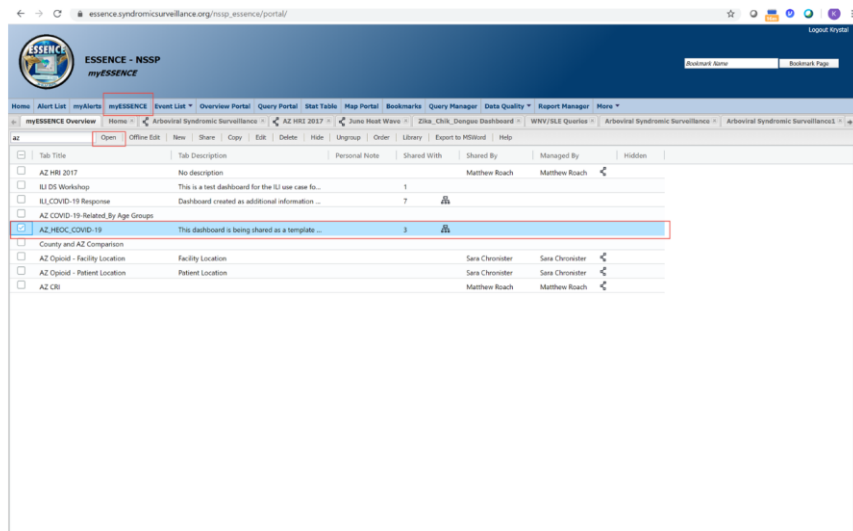
Tab Title	Tab Description	Uploaded By	Uploaded Date	Managed	Geography Cleared
☐ Visits of Interest	Data details of records with "visit of interest"...	Natasha Close, Washington State Department of Health	12/03/2019		✓
☐ IJI	Primary dashboard to monitor influenza-like i...	Natasha Close, Washington State Department of Health	12/03/2019	✓	✓
☐ Cold-Related Illness (environmental)	Trends in Cold-related illness (CRI) such as ty...	Natasha Close, Washington State Department of Health	12/03/2019		✓
☐ County and AZ Comparison	No description	Sara Chromsten, Maricopa County Department of Public Health	12/05/2019	✓	
☐ IJI Dashboard	No description	Caleb Wlademan, Tennessee Department of Health	12/05/2019		
☐ Pulmonary & Vaping	Monitor visits associated with severe lung in...	Kacey Potts, Washington State Department of Health	12/09/2019	✓	✓
☐ AirQualityPM2.5	No description	Eunice Santos, IDOH	01/09/2020		
☐ Coronavirus	Developed to identify and monitor patients t...	Natasha Close, Washington State Department of Health	01/21/2020	✓	
☐ Cold-Related Illness (environmental)	Trends in Cold-related illness (CRI) such as ty...	Natasha Close, Washington State Department of Health	02/04/2020		
☐ Home	No description	Haydee Dabritz, Yolo County Dept of Health - CA	02/05/2020		
☐ Home	No description	Haydee Dabritz, Yolo County Dept of Health - CA	02/05/2020	✓	
☐ NSSP Severe Weather	No description	Taylor DiaoDA, SDB Op Access	02/10/2020	✓	✓
☐ WA_COVID-19_surveillance_rpt	No description	Kacey Potts, Washington State Department of Health	03/02/2020	✓	✓
☐ Home	No description	Spencer Cunningham, Massachusetts DPH	03/11/2020		
☐ COVID-Related By Age Groups	Year-over-year all age and age stratified look...	Amanda Morse, Washington State Department of Health	03/11/2020	✓	✓
☐ COVID-Related Quick View	Created as a quick view companion to COVID...	Amanda Morse, Washington State Department of Health	03/11/2020	✓	✓
☐ Home	No description	Lash Walker, Arkansas Department of Health	03/17/2020		
☐ Home	No description	Lash Walker, Arkansas Department of Health	03/17/2020		
☐ Lab Data for COVID-19 Response	Developed to identify and monitor Coronavi...	Lakshmi RadhakrishnanDA, Surveillance and Data Branch	03/19/2020	✓	
☐ COVID19 Like by Region	No description	Stacey Hofferka, Illinois Dept. of Public Health	03/19/2020		
☐ Home	No description	Suzi Turner, ADRN	03/25/2020		
☐ Home	No description	Suzi Turner, ADRN	03/25/2020		
☐ Measles	Monitor measles and measles-like visits, diag...	Kacey Potts, Washington State Department of Health	11/22/2019	✓	✓
☒ AZ_HEOC_COVID-19	This dashboard is being shared as a template ...	Krystal Collier, Arizona Department of Health Services	04/17/2020	✓	✓

Contact Syndromicsurveillance@azdhs.gov for more information.

- Find AZ_HEOC_COVID-19 dashboard created by Krystal Collier.
- Click on the check box in front of this row.
- Click on Download, to download the dashboard.

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- Click on myESSENCE and in the search box type AZ
- Click on the check box in front of this row.
- Click on Open, to open the dashboard.

[illegible]

- Click on myESSENCE and in the search box type AZ
- Click on the check box in front of this row.
- Click on Open, to open the dashboard.

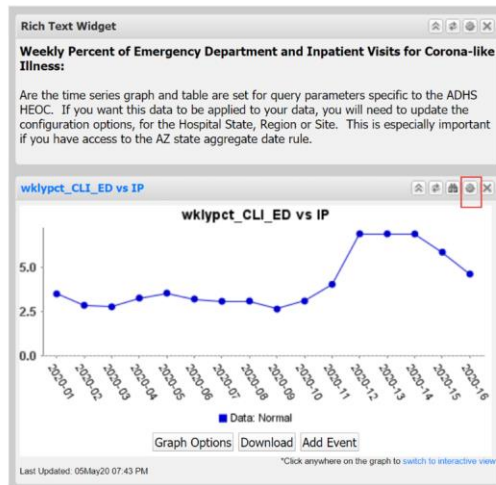
- Left Column has the query ADHS is using Hospital State. Additional Configuration must be done to reflect your local public health department data.
- Middle Column is using Hospital Region. Additional Configuration may be needed if have access to state aggregate access rule.
- Note that both the Facility Type and Has Been filters that utilize the patient class have been included in the queries. The reasons for this include the ADHS HEOC request to filter out urgent care CLI and ILI visits of interest. The process ADHS uses to upload facilities to the BioSense Platform, includes separating out and associating the specific facility types. The hospitals that have an Emergency Department and Inpatient Practice Setting at the same physical location, are entered into the table as one facility. The primary facility is the Emergency Department and the Inpatient Practice Setting is associated with primary facility. The pilot Urgent Care Clinics and soon an Inpatient Surgical Specialty facility, for example are entered as their own primary facilities. The Urgent Care Clinics have the Facility Type of Urgent Care, and the Surgical Special Clinic is an Inpatient Practice Setting. The goal is to make use of the different available query fields in ESSENCE for Facility Type and the Has Been

filters.

- The wklypct_CLI_ED vs IP for instance, was requested by the ADHS HEOC to look at the visits of interest that went to the Emergency Department and those visits of interest that were admitted Inpatient that met the CLI syndrome definition.
- To do this, we included the Facility Types, Emergency Department and Inpatient Practice Setting, and the Has Been E-Yes and No, and the Has Been I-Yes and No, query fields. The tables in the dashboard can then separate out the patient class for visits of interest that were seen in the Emergency Department and those that would have started their visit in the Emergency Department and were later admitted inpatient.

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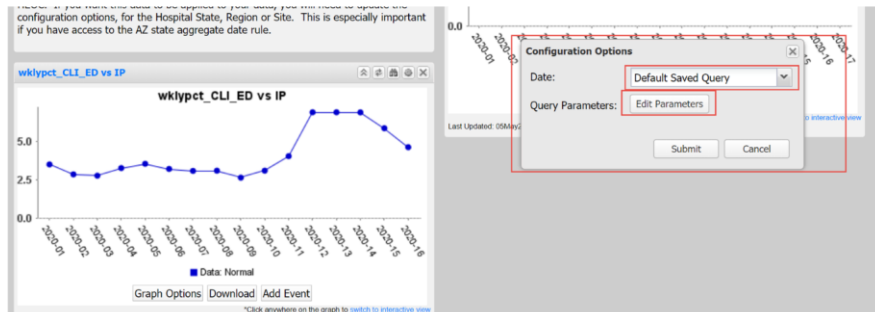


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- Click on the time series graph you want to update
- Click on the gear icon

ESSENCE Concepts

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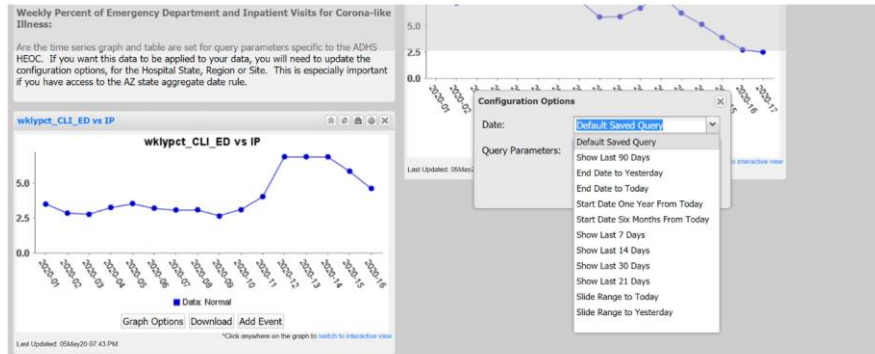


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- Click on the Date Drop Down to change the Date Range on the time series graph in dashboard
- Click Query Parameters if you want to change the configuration options of the time series graph for fields like the Hospital Region (County)

ESSENCE Concepts

AZ_HEOC_COVID-19

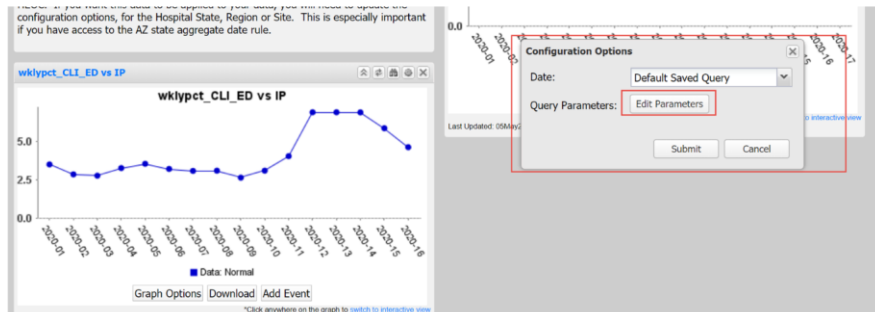


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ESSENCE Concepts

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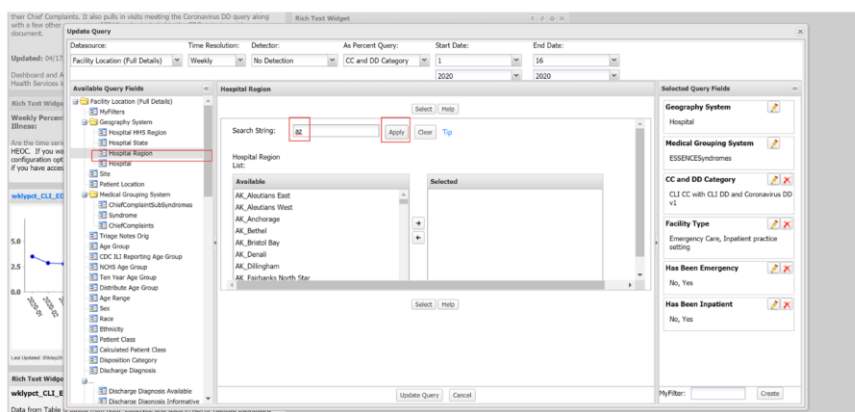


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ESSENCE Concepts

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- Click on the Hospital Region in the Available Query Fields list
- Type “az” in the Search String to limit the list of Hospital Regions to “az” Hospital Regions
- Click Apply to show a list of Available “az” Hospital Regions

ESSENCE Concepts

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Update Query

Facility Location (Full Details) | Weekly | No Detection | CC and DD Category | Start Date: 1 | End Date: 16 | 2020 | 2020

Available Query Fields

- Facility Location (Full Details)
- MyHerm
- Geography System
- Hospital HHS Region
- Hospital State
- Hospital Region
- Hospital
- Site
- Patient Location
- Medical Grouping System
- ChiefComplaintSubSyndromes
- Syndrome
- ChiefComplaints
- Triage Notes Orig
- Age Group
- CDC ILL Reporting Age Group
- NCHS Age Group
- Two Year Age Group
- Distribute Age Group
- Age Range
- Sex
- Race
- Ethnicity
- Patient Class
- Calculated Patient Class
- Disposition Category
- Discharge Diagnosis
- Discharge Diagnosis Available
- Discharge Diagnosis Informative

Hospital Region

Search String: az | Apply | Clear | Tip

Available

- AZ_Apache
- AZ_Cochise
- AZ_Gila
- AZ_Graham
- AZ_Greene
- AZ_La Paz
- AZ_Maricopa
- AZ_Mohave

Selected

- AZ_Cochise

Selected Query Fields

- Geography System**
 - Hospital
- Medical Grouping System**
 - ESSENCE Syndromes
- CC and DD Category**
 - CL1 CC with CL1 DD and Coronavirus DD v1
- Facility Type**
 - Emergency Care, Inpatient practice setting
- Has Been Emergency**
 - No, Yes
- Has Been Inpatient**
 - No, Yes

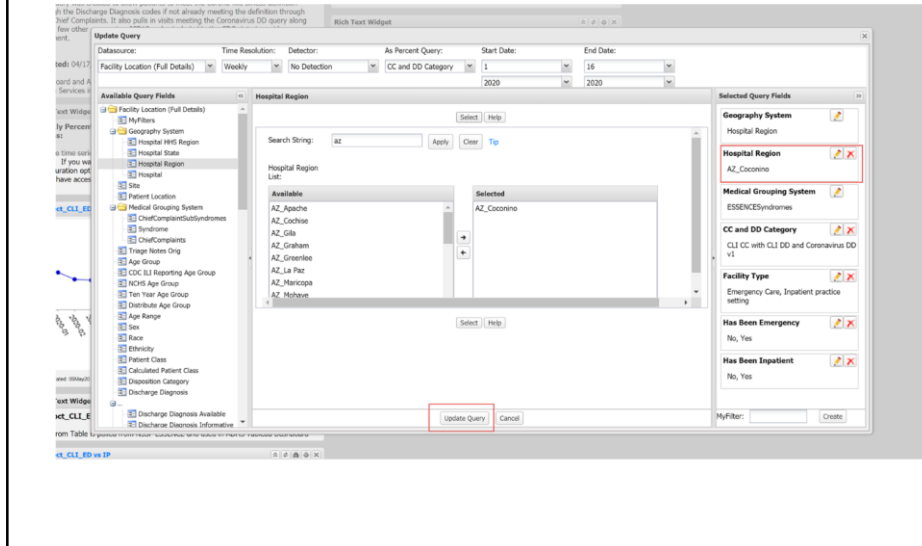
MyFilter: | Create

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- After you have chosen the list of “az” Hospital Regions, move your Hospital Region with the arrow to the right in the Selected fields box
- Click Select to move the Hospital Region you have chosen to the list of Selected Query Fields

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AZ_HEOC_COVID-19



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- After selecting Select, you should see the Hospital Region in the list of Selected Query Fields
- Click Update Query to update the Hospital Region of the time series graph in the dashboard

Discussion/Open Mic

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

Exploratory Analysis
Sibgroup/AZ
BioSense Opioid
Workgroup

Thursday, May
28th from
1:00 – 2:00

AZ Opioid
Workgroup

Thursday, June
4th from 1:00
– 2:00

THANK YOU

syndromicsurveillance@azdhs.gov | 602-542-6002

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ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans