

Exploratory Analysis Subgroup/AZ BioSense Opioid Workgroup

February 27, 2020



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Agenda

- Welcome and Attendance
- Facility Update
 - Western Arizona Regional Medical Center now in Production
- Emergent Conditions
 - Coronavirus Disease 2019 [COVID-19](#)
 - ADHS ESSENCE Email Alerts
 - New MEDSIS Resources-County-Syndromic Surveillance-COVID19-Detailed ESSENCE Line List
- NSSP Updates
 - CDC Coronavirus-DD v1 Available Now
 - BioSense Platform System Maintenance Update:
 - Set up a parallel processing stream for the ESSENCE data flow
- ESSENCE Concepts
 - Washington DOH Coronavirus myESSENCE Dashboard Library

Agenda

- **Presentation by Mark Person, Pima County Health Department, Program Manager, Community Mental Health and Addiction**
 - Sitting in on the Pima County Bi-weekly Overdose Surveillance Meeting
 - How a Pima County uses multiple data sources to make decisions for public health actions in response to opioid overdoses.
- Discussion/Open Mic
- Upcoming Meetings

Facility Update

- Western Arizona Regional Medical Center went into production on 02/03/2020

Emergent Conditions

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

Coronavirus Disease 2019 (COVID-19)

On February 11, 2020 the World Health Organization announced an official name for the disease that is causing the current outbreak: coronavirus disease 2019, COVID-19. There is one confirmed case in Arizona. For more information, see our [news release](#) and [website](#).

At this time, CDC has issued a **Level 3 Travel Advisory: Avoid all nonessential travel to China**. For more information, see the CDC travel notice [website](#).

Coronavirus Disease 2019

There is an outbreak of respiratory illness that originated in Wuhan, China caused by a new type of coronavirus (SARS-CoV-2). There have been cases identified in China with exported cases in a growing number of countries internationally, including the [United States](#).

Coronaviruses are a large family of viruses, some causing respiratory illness in people. Signs and symptoms, similar to the common cold or the flu, include a runny nose, cough, sore throat, fever, and general feeling of being unwell. For more information about coronaviruses please see coronavirus [website](#).

For the most up-to-date information on the outbreak, please visit the CDC's [COVID-19 website](#).

Emergent Conditions ADHS ESSENCE Email Alerts

Frequency for monitoring ESSENCE email alerts:

- ADHS has developed “New Suspected COVID-19 Visits in ESSENCE” and “Coronavirus Visits in ESSENCE” automated email alerts.
- The “New Suspected COVID-19 Visits in ESSENCE” email alerts are sent every **hour**.
- The “Coronavirus Visits in ESSENCE” email alerts are sent **daily**.

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

Emergent Conditions ADHS ESSENCE Email Alerts

1. Email alerts will be sent from COVID-19_Alert@syndromic-surveillance.azdhs.gov
2. Email Alerts contain the following information:
 - New visit(s) detected since last report:
 - Newly Detected Visit #1
 - Admit Date/Time:
 - Hospital:
 - City:
 - County:
 - Matching Case in MEDSIS: Highly Likely Match Found
 - Matched Case ID:
 - Case Classification (Only Available for Matched or Highly Likely Case Found): not a case

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

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

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

New MEDSIS Resources

- County-Syndromic Surveillance-COVID19-Detailed ESSENCE Line List

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

Emergent Conditions

New MEDSIS Resources

medsisprod.azdhs.gov/MEDSIS/ResourceFiles/Index#Home

MEDSIS Medical Electronic Disease Surveillance Intelligence System

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

File

File	Created By	Created On
MEDSIS documentation	Amy Lai	Nov 30 2018 07:07 PM
Surveillance and Investigation Resources Accessible to MEDSIS users at ADHS, County health departments, Tribal public health organizations.	Teresa Jue	Nov 07 2019 02:33 PM
State Lab Resources Accessible to MEDSIS users at ADHS, County health departments, Tribal public health organizations.	Amy Lai	Jul 26 2019 03:23 PM
Apache County	Amy Lai	Nov 30 2018 07:49 PM
Cochise County	Amy Lai	Nov 30 2018 07:50 PM
Coconino County	Amy Lai	Nov 30 2018 07:50 PM

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

MEDSIS portal (<https://connect.azdhs.gov>) or direct link (<https://medsisprod.azdhs.gov/medsis>)

Emergent Conditions

New MEDSIS Resources

MEDSIS Medical Electronic Diseases Surveillance Intelligence System 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 / Cochise County

New Folder

Drag and drop files anywhere to upload

File	Created By	Created On
   Hip Hop USA - Measles Exposure	Alexandra Peterson	Aug 28 2019 08:47 AM
   Syndromic Surveillance	Teresa Jue	Feb 20 2020 12:45 PM
   VPD Road Show Documents	Alexandra Peterson	Oct 17 2019 04:16 PM

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

Emergent Conditions

New MEDSIS Resources

The screenshot displays the MEDSIS (Medical Electronic Disease Surveillance Intelligence System) interface. At the top, the MEDSIS logo is visible alongside the text "Medical Electronic Disease Surveillance Intelligence System" and "EPI at Arizona Department of Health Services". A navigation bar includes links for Home, Cases, Search, Merge, Reports/Extracts, ELR, OB Mgmt, Secure Messaging, and Resources. Below this, a blue header reads "MEDSIS Resources". The main content area features a search bar and a breadcrumb trail: Home / Cochise County / Syndromic Surveillance. A "New Folder" button is present on the left. The central file list shows a table with columns for File, Created By, and Created On. A file named "COVID-19" is listed, accompanied by icons for a folder, a document, and a download. This row is circled in red. The "Created By" column shows "Teresa Jue" and the "Created On" column shows "Feb 20 2020 12:45 PM".

File	Created By	Created On
   COVID-19	Teresa Jue	Feb 20 2020 12:45 PM

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

Emergent Conditions

New MEDSIS Resources

MEDSIS Medical Electronic Disease Surveillance Intelligence System

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 / Cochise County / Syndromic Surveillance / COVID-19

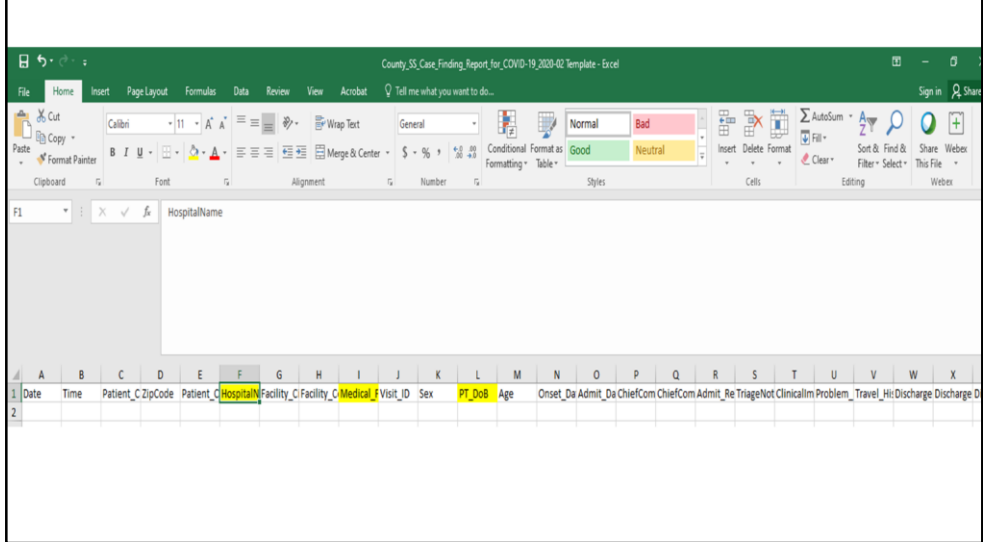
New Folder

Drag and drop files anywhere to upload

File	Created By	Created On
                       		

Emergent Conditions

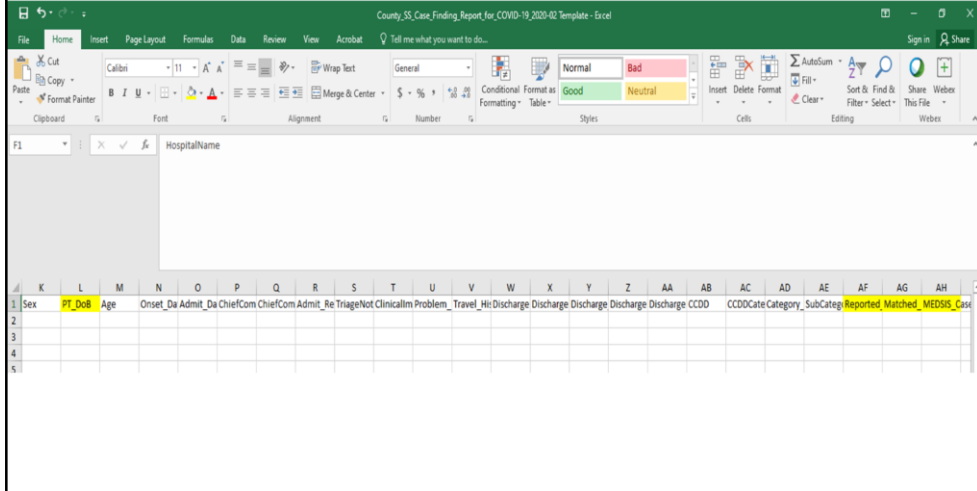
New MEDSIS Resources



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

Emergent Conditions

New MEDSIS Resources



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Syndromic Surveillance Reminder

- NSSP ESSENCE data is being used for public health surveillance
- Data Use Agreements between
 - ADHS and ASHTO
 - ADHS and Local Public Health Jurisdictions
 - ADHS and Data Providers
- HIPAA Privacy Rule
 - Disclosures for Public Health Activities
 - 45 CFR 164.512(b)
 - Public Health Surveillance

- Next AZ BioSense Workgroup Call Discuss Topic
- Recent questions about request for information from data providers if need additional information related to visits of interest found in the syndromic surveillance data.

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

Emergent Conditions NSSP Updates

- February Ad Hoc Meeting
02/05/2020
- CDC Coronavirus –DD v1 available
02/14/2020
- NSSP CoP monthly call 02/18/2020
–Travel History

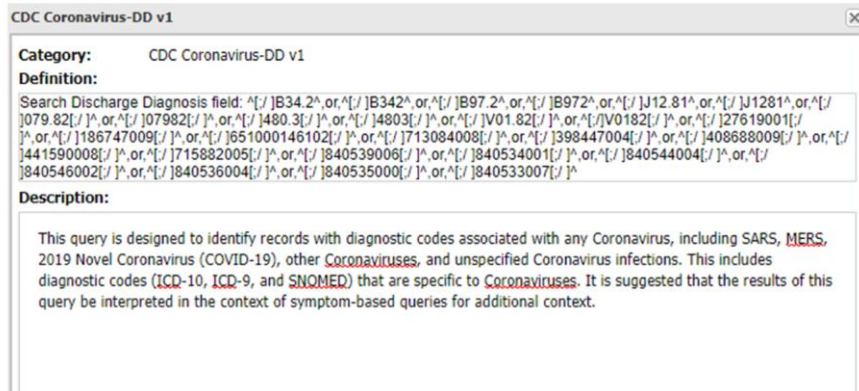
2020 MEETINGS

February 2020 (Topic: Where, Oh Where, Could Travel History Be?) -

[Recording](#), [Slides](#), [Agenda](#)

February 2020 Ad Hoc Meeting (Topic: Syndromic Surveillance & COVID-19) - [Recording](#)

Emergent Conditions NSSP Updates



CDC Coronavirus-DD v1 became available on 02/14/2020

NSSP Updates

BioSense Platform Maintenance Update > Inbox X

nssp (CDC)

Feb 21, 2020, 7:17 AM (6 days ago) ☆ ↩ ⋮

To nssp, Michael, Alan, Loren, Max, Laxma, Roseanne ▾



BioSense Platform System Maintenance Update:

This month we have set up a parallel processing stream for the ESSENCE data flow. Parallel processing is expected to make better use of SQL resources. As a result, the **BioSense Platform will have more overall processing bandwidth to reduce backlogs and delays.**

Before we can test the new configuration, the ESSENCE detection backlog must be processed to completion. Our NSSP technical team is working with engineers from the Johns Hopkins University Applied Physics Laboratory to monitor this process. Earlier today to hasten the process, we temporarily put ESSENCE data processing on pause. We will re-evaluate ESSENCE status this morning.

Effect on Services:

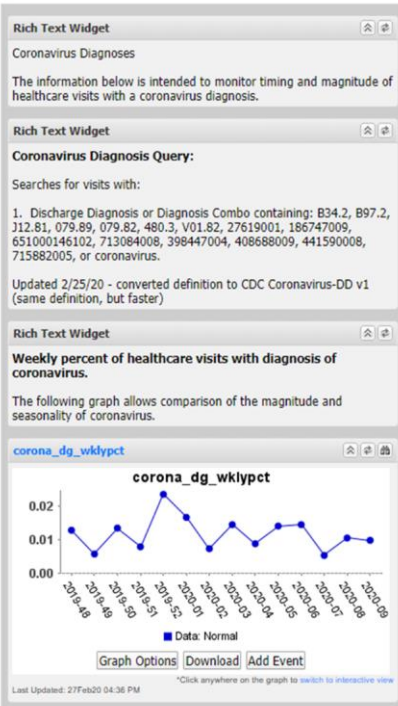
- ESSENCE data that are part of the detection backlog will be processed *before* new data are loaded to the ESSENCE data flow.
- ESSENCE Web application
 - ESSENCE data loaded *before* maintenance will be processed and appear in the ESSENCE application.
 - Users will see their ESSENCE data catch up as the detection backlog is cleared.
 - Once the detection backlog clears, the new parallel processing stream will be turned on to process newly received data from visits. Users may see a dip in their timelines as new data are processed.

User Required Actions:

- None at this time

ESSENCE Concepts

- Natasha Close has shared a dashboard called [Coronavirus](#)



AZ BioSense Opioid Workgroup

- **Presentation by Mark Person, Pima County Health Department, Program Manager, Community Mental Health and Addiction**
 - Sitting in on the Pima County Bi-weekly Overdose Surveillance Meeting
 - How a Pima County uses multiple data sources to make decisions for public health actions in response to opioid overdoses.

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 Subgroup/
AZ BioSense
Opioid Workgroup

Thursday,
March 26 from
1:00 – 2:00

AZ BioSense
Workgroup

Thursday, April
7th from 1:00
– 2:00

THANK YOU

syndromicsurveillance@azdhs.gov | 602-542-6002

azhealth.gov

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 facebook.com/azdhs



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Health and Wellness for all Arizonans