

Arizona BioSense Workgroup Meeting

**Eli Price, Krystal Collier, Yong Wang
Electronic Disease Surveillance Program
October 8th, 2020**



**ARIZONA DEPARTMENT
OF HEALTH SERVICES**

Health and Wellness for all Arizonans

- Welcome and Attendance
- Updates
 - Virtual Syndromic Surveillance Symposium [Register](#)
 - Nov 17-19, 2020
 - Facility Onboarding
 - Data Sharing
 - Data Use Agreement with CDC-Executed
 - [ADHS COVID-19 Data Dashboard](#)
 - Hospital COVID-like & Influenza-like Illness Surveillance
 - » Aggregate CLI Regional Rules Created for Facility Location
 - » Permission must be given by BioSense Liaisons for Access to this User Group and Rule

- [CDC COVID Data Tracker: ED Trends](#)
 - ED COVID-like & Influenza-like Illness Surveillance
 - » COVID Data Tracker is being revised to visualize NSSP data for Core-Based Statistical Areas ([CBSA](#)) rather than county-level data. CBSAs group counties into population clusters, and no CBSA is smaller than a single county.
- CDC OD2A
 - National Request coming in for using CLI data and for Impact on Mental Health and Substance Abuse
- Updating Current Data Use Agreement Template with ADHS Procurement
- Pilot for NSSP Testing Cloud Services
- Use Cases
 - Mental Health- Case Finding Suicide Alerts
 - Syndrome Definition Subcommittee-Mental Health Syndrome Poll
 - NCIPC-Syndrome for Falls 65 and older
 - Documentation of Surveillance Systems Overview
- Questions
- Other items

Syndromic Surveillance Symposium 2020

Save the Date + Registration: 2020 Syndromic Surveillance Symposium, Nov 17-19, 2020

Hayleigh McCall

To: Syndromics

Oct 7, 2020, 1:19 PM (21 hours ago)



Sent to ELC Grantees

Greetings,

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 virtually convene the **2020 Syndromic Surveillance Symposium** from **November 17-19, 2020**. Mark your calendar for the following dates and times:

- Tuesday, November 17, 2020 – 1:00-5:00pm ET
- Wednesday, November 18, 2020 – 1:00-5:00pm ET
- Thursday, November 19, 2020 – 1:00-5:00pm ET

Registration for the 2020 Syndromic Surveillance Symposium is open NOW through **Monday, November 9, 2020 (EOD)** – register [HERE](#). See attached for the event flyer.

CSTE is partnering with Kahuina Consulting to help provide an engaging and interactive virtual forum for the syndromic surveillance community to exchange experiences, share best practices, and take away innovative solutions and strategies for advancing syndromic surveillance practice. Attendees will have opportunities to learn new skills from technical experts, from the basics to latest analytical techniques. There will also be a forum to discuss the future of the NSSP Community of Practice and increasing syndromic surveillance capacity at the state, local, and nation levels. The Planning Committee is working diligently to identify quality content and ways to facilitate virtual networking with colleagues over the three (3) consecutive afternoons.

The 2020 Syndromic Surveillance Symposium is open to any person or organization interested in advancing syndromic surveillance and **FREE of charge**. However, the targeted audience for this event is syndromic surveillance coordinators, epidemiologists, ELC HIS cooperative agreement leads, and NSSP site administrators.

The event program will be made available in the coming weeks. For any questions regarding the symposium, please contact the CSTE National Office at syndromics@cste.org.

We look forward to (virtually) seeing you in mid-November!

Hayleigh McCall, MPH

Program Analyst III



Council of State and Territorial Epidemiologists

"Using the power of epidemiology to improve the public's health"

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Tel: 770-458-3811 | Fax: 770-458-8516

Consent to publish personal data and/or confidential information must be sent to CSTE's national office only through a secure email to info@cste.org and not through regular email.

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facilitate virtual networking with colleagues over the three (3) consecutive afternoons.

Facility Onboarding Updates

- Facilities in Testing and Validation
 - O.A.S.I.S Hospital
 - Tuba City Corporate Regional Healthcare
 - Summit Healthcare
 - Mt. Graham Regional Medical Center
 - Mayo Clinic Hospital
 - Wickenburg Community Hospital

Current Facilities in Production

Apache County

White Mountain Regional Medical Center

Coconino County

Page Hospital

Cochise County

Canyon Vista Medical Center
Copper Queen Community Hospital
Douglas Emergency Department
Northern Cochise Community Hospital

Gila County

Banner Payson Medical Center

La Paz County

La Paz Regional Hospital

Mohave County

Havasupai Regional Medical Center
Kingman Regional Medical Center
Kingman Regional Medical Center - Hualapai Mountain
Campus
Valley View Medical Center
Western Arizona Regional Medical Center

Navajo County

Little Colorado Medical Center

Pima County

Banner University Medical Center South
Banner University Medical Center Tucson
Marana Hospital
Northwest Emergency Center at Marana
Northwest Emergency Center at Vail
Northwest Medical Center
Oro Valley Hospital
St. Joseph's Hospital
St. Mary's Hospital
Tucson Medical Center

Pinal County

Banner Goldfield Medical Center
Banner Ironwood Medical Center
Banner Casa Grande Medical Center
Florence Hospital
AZ-Dignity Health Urgent Care-Maricopa

Santa Cruz County

Holy Cross Hospital

Yavapai County

Yavapai Regional Medical Center East Campus
Yavapai Regional Medical Center West Campus

Yuma County

Yuma Regional Medical Center

Comprehensive

- Not all hospitals in AZ can or do participate
- Currently have 76 facilities in 13 counties (total is for ED and Inpatient facilities)
 - Represents 89% of all ED visits that occur in AZ
 - Represents 90% of all Inpatient visits that occur in AZ

Current Facilities in Production

Maricopa County

Abrazo Arizona Heart Hospital
 Abrazo Arrowhead Campus
 Abrazo Buckeye Emergency Center
 Abrazo Cave Creek Hospital
 Abrazo Central Campus
 Abrazo Mesa Hospital
 Abrazo Peoria Emergency Center
 Abrazo Scottsdale Campus
 Abrazo Surprise Hospital
 Abrazo West Campus
 Arizona General Hospital - Ahwatukee Emergency Room
 Arizona General Hospital - Chandler Emergency Room
 Arizona General Hospital - Chandler McQueen Emergency Room
 Arizona General Hospital - Glendale Emergency Room
 Arizona General Hospital - Glendale Camelback Emergency Room
 Arizona General Hospital - Gilbert Emergency Room
 Arizona General Hospital - Goodyear Emergency Room
 Arizona General Hospital - Laveen
 Arizona General Hospital - Mesa
 Arizona General Hospital - Mesa-Baseline Emergency Room
 Arizona General Hospital - Mesa Emergency Room
 Arizona General Hospital - San Tan Valley Emergency Room
 Arizona General Hospital - Surprise Emergency Room
 Arizona General Hospital - Tempe Emergency Room
 AZ-Dignity Health Urgent Care – Ahwatukee

AZ-Dignity Health Urgent Care – Gilbert
 AZ-Dignity Health Urgent Care - Queen Creek
 AZ-Dignity Health Urgent Care - Maricopa
 Banner Baywood Medical Center
 Banner Boswell Medical Center
 Banner Del E. Webb Medical Center
 Banner Desert Medical Center
 Banner Estrella Medical Center
 Banner Gateway Medical Center
 Banner Heart Hospital
 Banner Thunderbird Medical Center
 Banner University Medical Center Phoenix
 Chandler Regional Medical Center
 Deer Valley Medical Center
 John C. Lincoln Medical Center
 Maryvale Emergency Center
 Mercy Gilbert Medical Center
 Mountain Vista Medical Center
 Scottsdale Osborn Medical Center
 Scottsdale Shea Medical Center
 Scottsdale Thompson Peak Medical Center
 Sonoran Health and Emergency Center
 St. Joseph's Hospital and Medical Center
 St. Joseph's Westgate Medical Center
 Tempe St. Luke's Medical Center
 Valleywise Health Medical Center

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ADHS COVID Data Dashboard

- Hospital COVID-like & Influenza-like Illness Surveillance
 - Aggregate CLI Regional Rules Created for Facility Location
 - Permission must be given by BioSense Liaisons for Access to this User Group and Rule

Patient Location Data Access Rules Now Showing Patients Out of State

- Updated the Where Clause in the Patient Location Rules
 - Patients that have a zip code out of state should be visible if you query by Patient Location

CDC COVID Data Tracker

- [CDC COVID Data Tracker: ED Trends](#)
 - ED COVID-like & Influenza-like Illness Surveillance
 - COVID Data Tracker is being revised to visualize NSSP data for Core-Based Statistical Areas ([CBSA](#)) rather than county-level data. CBSAs group counties into population clusters, and no CBSA is smaller than a single county.
 - Effective October 16, 2020

CDC COVID Data Tracker Trends in ED Visits: <https://covid.cdc.gov/covid-data-tracker/#ed-visits>

CDC COVID Data Tracker

- The COVID Data Tracker is being revised to visualize NSSP data for Core-Based Statistical Areas (CBSA, <https://www.census.gov/topics/housing/housing-patterns/about/core-based-statistical-areas.html>) rather than county-level data. CBSAs group counties into population clusters, and no CBSA is smaller than a single county.
- Some sparsely populated counties are not located within any CBSA. No NSSP data will be shown for these areas.
- Some CBSAs submit <10 ED visits to NSSP per week (calculated as median number of weekly visits over the last year). No NSSP data will be publicly shown with data specific to these areas.
- Visualizations in the COVID Data Tracker will display various metrics for a single area, rather than comparing one area to another. The user will select a single county, and the display will show time series for that selected area (with CBSA-level data shown for NSSP metrics).
- NSSP data will be displayed as a rolling 7-day average of percentages of ED visits attributed to CLI and ILI. No numerators or denominators will be displayed.
- No stratifications by age, race, or sex are planned for these CBSA-level views of NSSP data.

CDC COVID Data Tracker Trends in ED Visits: <https://covid.cdc.gov/covid-data-tracker/#ed-visits>

As discussed on the September 22nd NSSP Community of Practice call (CoP) call, an enhancement is being planned for the public-facing COVID Data Tracker (<https://covid.cdc.gov/covid-data-tracker>). The enhanced design will provide more geographically granular views of various community indicators including case metrics, laboratory metrics, hospitalization metrics, and percentages of ED visits attributed to COVID-like illness (CLI) and Influenza-Like illness (ILI). During this call, I discussed CDC response leadership's request to include county-level time series for these metrics. Community members provided feedback expressing concerns about this proposal. Therefore, CDC has adapted in the following ways:

HHS Protect

- Anticipated changes to HHS Protect
- Platform serves users with various permission levels and contains numerous datasets and visualizations.
- Data from HHS Protect are used in several internal reports, several of which are produced for government decision makers (e.g., reports for state governors).
- These reports are being enhanced with county-level data, and granular views of NSSP CLI and ILI time series will be included in some reports for these government stakeholders.
- Further, please be aware that HHS Protect contains ED data from the Unified Hospital Dataset. These data are collected independently of NSSP through hospital reporting to HHS, and NSSP does not govern how this information is collected or used.

CDC COVID Data Tracker Trends in ED Visits: <https://covid.cdc.gov/covid-data-tracker/#ed-visits>

CBSA in ESSENCE

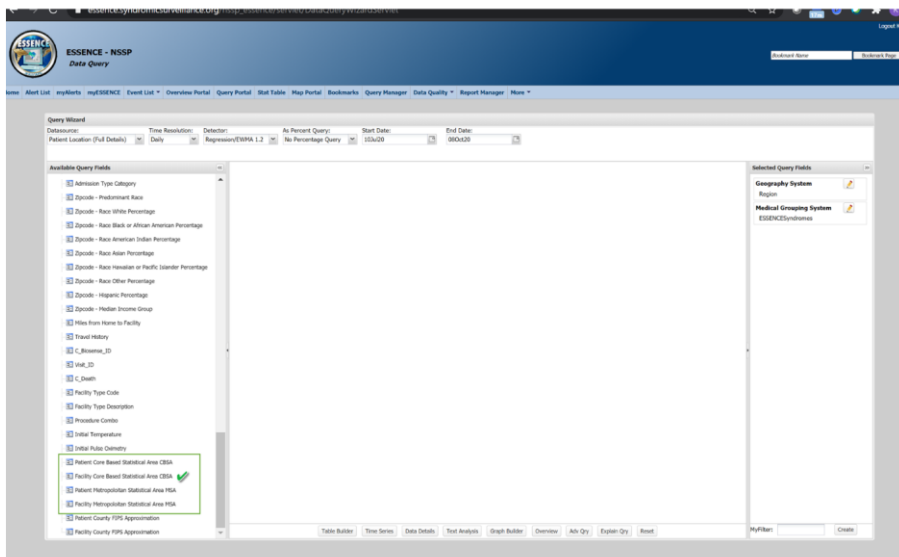
Facility Core Based Statistical Area CBSA



Flagstaff, AZ, Lake Havasu City-
Kingman, AZ, Nogales, AZ, Payson, AZ,
Phoenix-Mesa-Scottsdale, AZ, Prescott,
AZ, Safford, AZ, Show Low, AZ, Sierra
Vista-Douglas, AZ, Tucson, AZ, Yuma,
AZ

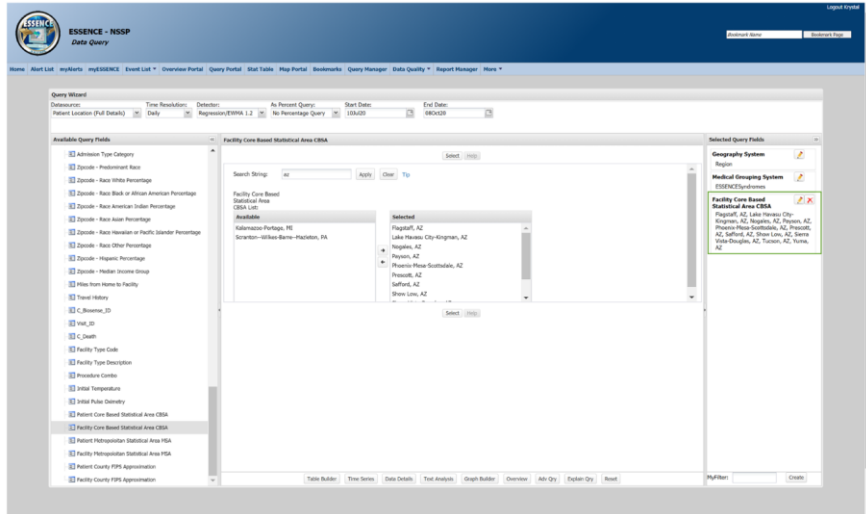
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CBSA in ESSENCE



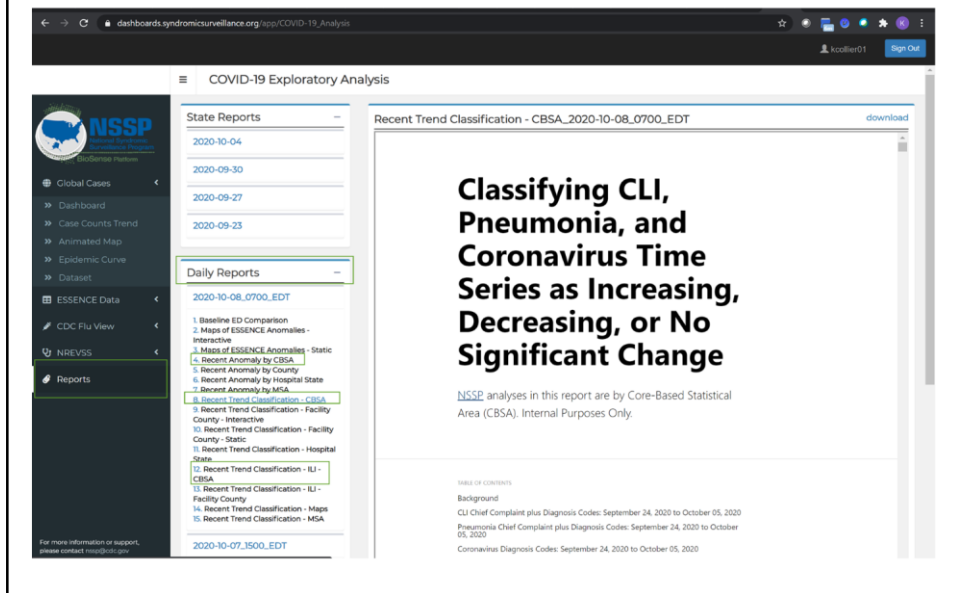
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CBSA in ESSENCE



CDC COVID Data Tracker Trends in ED Visits: <https://covid.cdc.gov/covid-data-tracker/#ed-visits>

CBSA in COVID-19 Exploratory Analysis Dashboard



CDC COVID Data Tracker Trends in ED Visits: <https://covid.cdc.gov/covid-data-tracker/#ed-visits>

CDC OD2A and Mental Health

- National Request coming in for using CLI data and for Impact on Mental Health and Substance Abuse
- Requests also looking for age, race and ethnicity breakdowns
- Looking for CCDD Categories for OD2A, Suicide, etc

Data Sharing

- Updating Current Data Use Agreement Template with ADHS Procurement
- Pilot for NSSP Testing Cloud Services

Use Case: COVID-19

- Mental Health- Case Finding Suicide Alerts
- Syndrome Definition Subcommittee-Mental Health Syndrome Poll
- NCIPC-Syndrome for Falls 65 and older
- Documentation of Surveillance Systems Overview

Use Case: Documentation of Surveillance Systems

- Do you track all the different surveillance systems that can be used for a specific use case?
- Do you list who has access, what the caveat and limitations are, purpose of the system, frequency of the system, etc?
- Would a tool like this be helpful for SyS and understanding this surveillance system among others for the greater public health surveillance picture?

AZ Shared Collaborative Space:

The screenshot shows a Basecamp workspace for the "AZ BioSense Workgroup". The browser address bar displays "3.basecamp.com/3164497/project/77031830". The navigation bar includes links for Home, Pings, Hey!, Activity, My Stuff, and Find. The workspace header features the group name "AZ BioSense Workgroup" and a mission statement: "The mission of the Arizona BioSense Workgroup is to work collaboratively as partners to build capacity and quality of BioSense syndromic surveillance in Arizona. Our vision is to improve population health and emergency response through the use of timely and effective syndromic surveillance. This space is a platform for our members to continue discussions and share cross-role topics and questions from providing the data to using syndromic data (clinician/IT/public health)." Below the mission statement is a row of 20 colored circular avatars, each with a two-letter code (e.g., AG, A, A, A, A, AL, AS, AL, AS, A, AK, AS, AV, AD, AP, BF, B, B). To the right of the avatars is a link "Add/remove people". The workspace is divided into six main sections: "Message Board" with a list of updates (e.g., "Save the Date + Registration: 2020 Syndromic Surveillance", "Poll: NSSP CoP Syndrome Definition Subcommittee", "Updates to ESSENCE Shortness of Breath", "AZ COVID-like Illness (CLI) EMS Regional Trends in NSSP", "Recent Updates Made in SS County Resource Files for"); "To-dos" with a green checkmark icon and the text "Make lists of work that needs to get done, assign items, set due dates, and discuss."; "Docs & Files" with a grid of document thumbnails (e.g., "Liaison and Member Lists", "Data Sharing Workshops", "AZ Stories of Syndromic Surveillance in Action", "Abstracts, Publications, Presentations"); "Campfire" with a blue speech bubble icon and the text "Chat casually with the group, ask random questions, and share stuff without ceremony."; "Schedule" with a list of upcoming events (e.g., "Tue, Oct 20 NSS CoP 12:00pm - 1:30pm", "Thu, Oct 22 Exploratory Analysis Subgroup/AZ BioSense Opioid Workgroup Call 1:00pm - 2:00pm", "Tue, Nov 17"); and "Automatic Check-ins" with a text prompt "In the past month, what public health actions and decisions have been made in part or in whole from syndromic surveillance data?" and a row of colored circular icons.

Syndrome Definition Subcommittee-Mental Health Syndrome Poll

Thank you to those who were able to join today's Syndrome Definition Subcommittee call. During the call, the subcommittee agreed to develop a mental health-related syndrome and several members indicated their interest in pursuing this effort.

The group determined two potential approaches to developing the syndrome:

- Option 1:** A broad mental health syndrome that covers all mental health related visits
- Option 2:** Specific mental health syndromes such as depression, anxiety, bipolar disorder, unspecified mental health, etc. that could be used in combination to create a broad mental health syndrome.

Please indicate your preference for which option the Syndrome Definition Subcommittee should focus their efforts on [here](#) by **EOD, Friday, October 9th**.

The call recording can be accessed on the [NSSP CoP Knowledge Repository](#).

NSSP Community of Practice

- To be added to the NSSP CoP listservs moving forward
 - CSTE has created a new email that can be used moving forward

syndromic@cste.org

Upcoming Meetings

Exploratory Analysis
Subgroup/Arizona
BioSense Opioid
Workgroup

Thursday,
October 22 from
1:00 – 2:00

Exploratory Analysis
Subgroup/Arizona
BioSense Opioid
Workgroup

Tuesday,
November 24
from 1:00 – 2:00



THANK YOU

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