

Arizona BioSense Workgroup Meeting

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Electronic Disease Surveillance Program
June 4th, 2020**



**ARIZONA DEPARTMENT
OF HEALTH SERVICES**

Health and Wellness for all Arizonans

- Welcome and Attendance
- Future Meetings
 - Move to Thursdays@1pm Until All Partners COVID-19 Meeting Ends
- Updates
 - Pilot Projects
 - Sharing State Aggregate Data Rule
 - Urgent Care Clinic Data
 - Declaration of Readiness
 - Specialty Hospital Data
 - Hospital User
 - Facilities Moving Closer to Production
 - Yuma Regional Medical Center
 - Revalidation
 - Valleywise Health Went Live 06/01/2020
 - Valleywise Health Medical Center
 - Maryvale Emergency Department
 - Kingman Regional Medical Center
 - Hualapai Mountain Campus
 - O.A.S.I.S Hospital

- Data Sharing
 - Future Data Sharing Workshops
 - Data Use Agreement with CDC
 - OD2A Tier 1-Line Level Access
 - Lab Data in ESSENCE
- Process For Alerts
- Use Cases
 - COVID-19
 - Secondary Outcomes of COVID-19
- Questions
- Other items

Future Calls During COVID

- All Partners COVID-19 call conflict with current Tuesday schedule
- Calls on Thursday at 1pm (suggested)

Pilot Projects

- Sharing State Aggregate Data Rule
- Urgent Care Clinic Data
- Specialty Hospital Data
- Hospital User
- Collecting
 - Employer and Occupation Data
 - Medication List and History

- Since Dec 2019 AZ Data Sharing Workshop, attendees added to state aggregate rule. Feedback being shared on using ESSENCE with rule on during COVID-19 response.
- Urgent Care Clinic data is being asked for during onboarding process for those facilities attached or part of larger healthcare parent organizations. Based on what has been learned from Pilot Project collecting urgent care clinic data from Dignity Health Maricopa and Pinal clinics, we will continue to work towards collecting this data. During future Exploratory Analysis Subgroup call we will review the different ways to query this data in NSSP ESSENCE and best practices recommended for the AZ data. We have heard from many of our syndromic users and members of this workgroup over the years about the desire to have urgent care data available in NSSP ESSENCE. Our team will continue to work towards balancing our user needs and direction guided by this workgroup.
- We are currently onboarding one Specialty Hospital. It is a Surgical Specialty Hospital, just as we have done with urgent care clinic data, we will continue to learn about the data to help us determine how to approach this for other Specialty Hospitals. When this facility moves into production we will again revisit some additional steps for analyzing and visualizing this data in NSSP ESSENCE.
- Hospital users project, initialing a project was being developed for using ILI data but has been pushed back due to COVID-19. We are looking to incorporate ILI and COVID-19 as use cases for this project. We are asking hospital partners with data available in NSSP ESSENCE if they would like to participate in this project.

Electronic Partners Status Update

Hospital Onboarding

Registration of Intent = 92

Hold Queue = 17

Testing = 14

Validation = 3

Production = 65

Data Use Agreements

Hospitals = 66

Local Public Health
Jurisdictions = 15

**New facilities attached or a part of healthcare parent organizations can be added as part of onboarding process*

ADHS is Testing with the following facilities:

- Kingman Regional Medical Center
 - Hualapai Mountain Campus
- OASIS Hospital
- Tuba City Regional Health Care Corporation
- Community Health Systems
 - Northwest Medical Center
 - Northwest Emergency Center at Vail
 - Northwest Emergency Center at Marana
 - Oro Valley Hospital
- Mayo Clinic Hospital
- Tenet Healthcare/Abrazo Community Health Network
 - Abrazo Arrowhead Campus
 - Abrazo Central Campus
 - Abrazo Arizona Heart Hospital *****
 - Abrazo Scottsdale Campus
 - Abrazo West Campus
 - Abrazo Peoria Emergency Center
 - Abrazo Buckeye Emergency Center
 - Abrazo Mesa Hospital

- ADHS is Revalidating with the following facilities:
 - Tenet Healthcare/Carondelet Health Network
 - St. Joseph's Hospital
 - St. Mary's Hospital
 - Holy Cross Hospital
- ADHS has Revalidated with the following facilities:
 - Yuma Regional Medical Center

ADHS has completed the validation and moved into Production for:

- Maricopa Integrated Health System now Valleywise Health
 - Valleywise Health Medical Center
 - Valleywise Emergency-Maryvale

Onboarding Updates

- Facilities Moving Closer to Production
 - Yuma Regional Medical Center
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 - Kingman Regional Medical Center
 - *Hualapai Mountain Campus
 - O.A.S.I.S Hospital

- *Hualapai Mountain Campus: still exploring how to receive this data in NSSP ESSENCE with the hospital. Most likely will take longer than main campus to be available in production.

Current Facilities in Production

Apache County

White Mountain Regional Medical Center

Coconino County

Page Hospital

Cochise County

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

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

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

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 65 facilities in 13 counties
 - Represents 76% of all ED visits that occur in AZ
 - Represents 79% of all Inpatient visits that occur in AZ

Current Facilities in Production

Maricopa County

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
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
St. Luke's Medical Center
Tempe St. Luke's Medical Center
Valleywise Health Medical Center

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Onboarding Updates

- Declaration of readiness for urgent care clinics connected to hospital systems for year of 2021 coming.

Arizona Data Sharing Workshops

- Workshop schedule
 - Part 2 TBD
 - Any thoughts with holding a virtual workshop?

CDC Data Use Agreement

- ADHS Syndromic Surveillance Team is working with CDC on next steps to execute a Data Use Agreement with CDC (ongoing)
- General Data Use Agreement to share data with CDC for several projects and grants

OD2A Line Level Access

- Access
 - Given to OD2A User Group per grant as Tier 1 recipient
 - Rule Turned on 5/11/2020

Lab Data in ESSENCE

- Feedback this data has been helpful to identify potential outbreaks not known without this data source
- NSSP would like help in identifying other data sources to be added like prisons and homeless shelters.
- If questions about data, let us know.

Information about lab data from NSSP CoP Call: **March 2020** (Topic: Syndromic Surveillance & COVID-19) - [Recording https://vimeo.com/398866537](https://vimeo.com/398866537) , [Notes](#)
https://www.cste.org/resource/resmgr/nssp/Mar_2020_NSSP_Community_of_.docx

Data Element: Employer and Occupation

- Short Term Solutions
 - Send Free Text in Clinical Impression and Triage Notes for EHR Vendors/Hospitals that can send this information
 - Viewable in ESSENCE
- Long Term Solutions
 - NIOSH examples
- Questions?

- EHR Vendors Epic and Cerner can support sending this data fields.
- Not all hospitals collect as part of workflow. If present and can be collected ADHS will try to obtain in syndromic surveillance messages.

AZ Shared Collaborative Space: Hospital COVID-like Illness

- Basecamp
- CSTE hosting for AZ
- No charge
- What would you like to see incorporated?

AZ Shared Collaborative Space: Hospital COVID-like Illness

The screenshot shows a Basecamp workspace for the "AZ BioSense Workgroup". The workspace is organized into several sections:

- Header:** The title "AZ BioSense Workgroup" is followed by 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/T/public health)." Below this is a row of 16 colored circular icons, each containing a letter (e.g., AG, A, AL, AS, AV, AD, AP, B, BL, B, B). To the right of these icons is a button labeled "Add/remove people".
- Message Board:** A section with a blue speech bubble icon and the text: "Post announcements, pitch ideas, progress updates, etc. and keep feedback on-topic."
- To-dos:** A section 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:** A section showing two document thumbnails. The first is titled "AZ BioSense Opioid Subgroup" and the second is titled "Exploratory Analysis Subgroup".
- Campfire:** A section with a blue speech bubble icon and the text: "Chat casually with the group, ask random questions, and share stuff without ceremony."
- Schedule:** A section listing upcoming events:
 - Thu, Jun 4:** AZ BioSense Workgroup, 1:00pm - 2:00pm
 - Tue, Jun 16:** NBS CoP, 12:00pm - 1:00pm
 - Thu, Jul 30:** Exploratory Analysis Subgroup/AZ BioSense Opioid

Process for Alerts

- ADHS ESSENCE COVID-19 Email Alerts
 - Can this method be applied to other use cases?
- NSSP Alerts from Coronavirus Exploratory Analysis Dashboard
 - What should the workflow be?
 1. NSSP contacts ADHS
 2. ADHS contacts County BioSense Liaisons
 3. County BioSense Liaisons determine next steps

Use Case: COVID-19

- Current Needs?
 - Shorter Summary Form
 - Rolling Window
- State Indicators Report in Coronavirus Exploratory Analysis R Shiny Dashboard

Use Case: Secondary Outcomes of COVID-19

- What are other questions or areas your leadership is asking about?
 - Vulnerable populations
 - Substance abuse overdoses
 - Opioid
 - Alcohol
 - Mental health
 - Suicide Attempt and Suicide Ideation
 - Child and Intimate Partner Abuse
 - Environmental health
 - Mass Gatherings
 - Protests

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,
June 25 from
1:00 – 2:00

Exploratory Analysis
Subgroup/Arizona
BioSense Opioid
Workgroup

Thursday,
July 30 from
1:00 – 2:00



THANK YOU

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azhealth.gov

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