

Arizona BioSense Workgroup Meeting

**Sara Johnston, Krystal Collier, Yong Wang and
Sara Chronister
Electronic Disease Surveillance Program
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**ARIZONA DEPARTMENT
OF HEALTH SERVICES**

Health and Wellness for all Arizonans

- Welcome and Attendance
- Updates
 - Single Sign-On for BioSense Platform
 - Completed!!!!
 - Onboarding
 - Re-validation process underway for Banner UMC Tucson Facilities
 - Legacy Data
 - On hold
 - Community of Practice:
 - Resources shared from September Surveillance CoP call topic: Public Health Reports
 - Presenters WA and OR
 - October Surveillance CoP Call Topic
 - What is a Chapter?
- Charter
 - Year 3 Charter Finalized
 - Objective and Deliverable Status:
 - 1-Hospital Reports and Syndromic Surveillance Website
 - 2-Training Suggestions for NSSP and ISDS
 - 4-NSSP Success Story Submitted
 - 4-ISDS Abstracts
- Questions
- Other items



BioSense Platform Single Sign-On Effort



New, Single Sign-on to BioSense Platform

In early September, we had planned to update the Access & Management Center (AMC) and integrate it with the BioSense Platform's active directory to make passwords easier to manage. This update was delayed because BioSense Platform data were being used to support critical surveillance related to Hurricanes Harvey and Irma.

The update is being deployed early this month, making the AMC the central point for password management.

Now, all BioSense Platform users will have a single username and password for all applications and analysis tools. If you have questions, please contact the [NSSP Service Desk](#). 



Single Sign-On in the Production Environment

Imagine a user named Jane Doe from Illinois. Here's how she would be affected in each scenario.

	Only AMC/ESSENCE Account	AMC/ESSENCE and Adminer/RStudio Accounts	Only Adminer/RStudio Account
Pre Single Sign-On	AMC/ESSENCE username is jdoe01	AMC/ESSENCE username is jdoe01 Adminer/Rstudio username is jdoeil	Adminer/Rstudio username is jdoeil
Post Single Sign-On	 No Change* *These users will now have access to Adminer/RStudio	 Username for AMC, ESSENCE, Adminer and RStudio: jdoe01	 AMC account created: jdoe01 Username for AMC, ESSENCE, Adminer and RStudio: jdoe01

Legacy Data Project

- ADHS is still reviewing the legacy data (2014 – April 2016)
- On Hold

Electronic Partners Status Update

Hospital Onboarding

Registration of Intent = 69

Hold Queue = 40

Testing = 0

Validation = 2

Production = 27

Data Use Agreements

Hospitals = 66

Local Public Health
Jurisdictions = 14

Onboarding is currently on hold during while ADHS reprioritizes hospitals due to EHR System and software upgrades.

Charter 2017-2018

Workgroup Year 3 Objectives and Deliverables

Objective: Continue to support efforts to increase awareness among acute care facilities (hospitals) about how BioSense data is used.

Deliverable: Implement a process to provide outreach to acute care facilities regarding updates, use, onboarding, etc., at a state and/or local level. Report on the status of the decided process(es).

Objective: Collaborate with the ADHS BioSense team, NSSP and ISDS to determine training needs, conduct trainings, review training and guidance materials, and disseminate training materials to relevant users.

Deliverable: Determine the best methods to train users on the BioSense Platform based on the evaluation of needs and available resources. Report on the number of users trained for use of the BioSense ESSENCE and/or back end analysis and the available methods and resources available.

Objective: Assist ADHS and local health department users adapt to the NSSP transition. Continue to develop new and advance existing use cases which will include maintaining updates for current protocols.

Deliverable: Define new use cases for Arizona and any revisions for existing use cases. Report the number of use cases for routine analysis and event/outbreak analysis.

Objective: Evaluate Arizona's syndromic surveillance use cases and validate BioSense data.

Deliverable: Present to workgroup and/or subgroup results of evaluation. Report on number of evaluations presented.

Charter 2017-2018

Objective 1: Continue to increase awareness among acute care facilities (hospitals) about how BioSense data is used.

Deliverable 1: Implement a process to provide outreach to acute care facilities regarding updates, use, onboarding, etc., at a state and/or local level. Report on the status of the decided process(es).

2017-2018 Hospital Outreach



- ADHS working on publicly available Syndromic Surveillance Website with information about activities

2017-2018 Hospital Outreach



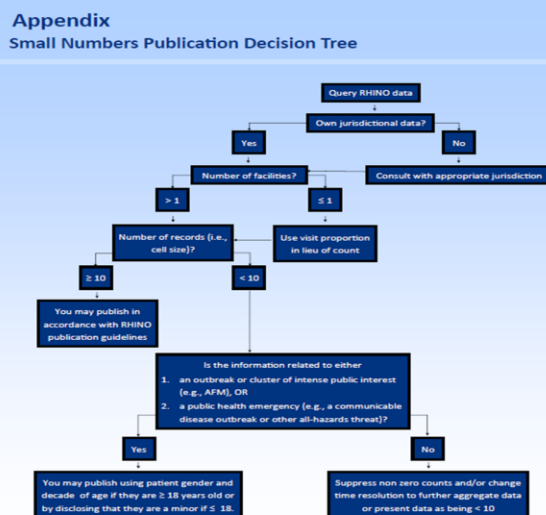
- Plan to send survey for feedback on content of reports to share with hospital partners

Charter 2017-2018

Objective 2: Collaborate with the ADHS BioSense team, NSSP and ISDS to determine training needs, conduct trainings, review training and guidance materials, and disseminate training materials to relevant users.

Deliverable 2: Determine the best methods to train users on the BioSense Platform based on the evaluation of needs and available resources. Report on the number of users trained for use of the BioSense ESSENCE and/or back end analysis and the available methods and resources available.

2017-2018 Resources



Amanda Morse from Washington State Department of Health has shared the link to publicly available flu reports:
<https://www.doh.wa.gov/DataandStatisticalReports/DiseasesandChronicConditions/CommunicableDiseaseSurveillanceData/InfluenzaSurveillanceData>

She also shared with us some examples of reports produced by local health departments in Washington and the Rapid Health Information Network (RHINO) handbook. On page 33 of the RHINE handbook you can find this decision tree for publications with small numbers.

Amanda Dylina Morse, MPH
Office of Communicable Disease Epidemiology
Syndromic Surveillance Outreach and Policy Coordinator
Washington State Department of Health
206.437.2045 | amanda.morse@doh.wa.gov

2016-2017 Training

- ADHS shared feedback with NSSP and ISDS on training suggestions
 - Webinars for
 - hurricane/disaster surveillance
 - Mass gathering surveillance
 - ESSENCE
 - More examples of how to use the system to do task X
 - Outreach and collaborations with regional chapters and Syndrome Definitions Committee
- What else do we want to see over the next year?

Charter 2017-2018

Objective 3: Assist ADHS and local health department users adapt to the NSSP transition. Continue to develop new and advance existing use cases which will include maintaining updates for current protocols.

Deliverable 3: Define new use cases for Arizona and any revisions for existing use cases. Report the number of use cases for routine analysis and event/outbreak analysis.

2016-2017 Use Cases

- Arboviral Syndromic Surveillance Protocol transitioned to ESSENCE and Shared Dashboards incorporated
- Drug Overdose, special emphasis on Opioid Syndromic Tools and Resources Shared
- Heat Related Illness CC & DD Category Syndrome added to ESSENCE
 - Process for Sharing Dashboards in Progress
- More Weather Stations added to ESSENCE for geographic representativeness

October NSSP Update and ESSENCE

October 2017

SPOTLIGHT ON SYNDROMIC SURVEILLANCE PRACTICE

We continue our series of articles examining literature that advances the practice of syndromic surveillance. This month, we feature an article about six use cases that demonstrate the value of syndromic surveillance. These diverse cases and approaches have practical application for local and state health departments.

Advancing the Use of Emergency Department Syndromic Surveillance Data, New York City, 2012–2016

New York City collects syndromic surveillance (SyS) data from all city hospital emergency departments. Through the years, New York's use of data has broadened considerably to include surveillance of noninfectious disease syndromes and situational awareness. Sometimes, especially early in a health-related event, SyS is the only available data source. Often, it's the only near real-time data source and is therefore used in tandem with other reporting systems. This article presents six diverse use cases in which SyS has been used in both ways to inform decision making in New York City and prompt public health officials to take action.

Advancing the Use of Emergency Department Syndromic Surveillance Data, New York City, 2012–2016 is part of a supplemental issue of *Public Health Reports*.^{1,2} The six use cases are synthetic cannabinoid drug use, heat-related illness, suspected meningococcal disease, medical needs after severe weather, asthma exacerbation after a building collapse, and Ebola-like illness in travelers returning from West Africa.³

The syndromes described use specific terms and involve few cases per day. The syndrome definitions for each use case have well-defined, targeted surveillance objectives (specificity, sensitivity) and methods for analysis that vary depending on the surveillance objectives. In all the use cases described, the analysts needed knowledge of the disease or condition. The authors summarize each use case under Results. This collection of use cases not only shares syndrome definitions, it shares statistical methods, and other information that led public health practitioners to take action, bolstering the case for making SyS part of any public health department's comprehensive surveillance program.

NSSP commends the authors for sharing this collection of use cases and for encouraging others to do likewise by publishing their methods and lessons learned. The authors have developed a [prototype website](#) that serves as a model for documenting similar use cases. Efforts such as this article and website help the SyS community build capacity for all-hazards preparedness.

¹ Lail R, Abdelnabi J, Ngai S, Parton HB, Saunders K, Sell J, Wahnich A, Weiss D, Mathes RW. Advancing the Use of Emergency Department Syndromic

Use Case Resources

[Syndromic Surveillance](#)

[Use Cases](#)

Site is for users with all levels of experience and encourages information sharing.

[Community of Practice Use](#)

[Case Library](#)

Administered by the International Society for Disease Surveillance (ISDS).



IN THIS ISSUE:

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- Spotlight on SyS Practice
- Upcoming Events
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- NSSP Participation
- Onboarding Updates
- Grantees and Partnerships
- Community of Practice
- Archived NSSP Update

NSSP Update: <https://www.cdc.gov/nssp/news.html>

NYC prototype website for use cases: <https://sites.google.com/site/ssusecases/>

2017-2018 Use Cases

- New Use Cases?
 - Any Collaborative Ideas?
- Updates to Current Protocols?
 - Add Arboviral Syndromic Surveillance Protocol to Knowledge Repository

Charter 2017-2018

Objective 4: Evaluate Arizona's syndromic surveillance use cases and validate BioSense data.

Deliverable 4: Present to workgroup and/or subgroup results of evaluation. Report on number of evaluations presented.

Exploratory Analysis Subgroup Projects

- 1 Evaluation in Progress
- Arboviral Syndromic Surveillance Project Evaluation
 - Maricopa County assisting with process
 - 2018 ISDS Conference Abstract Submission

2018 ISDS Conference Abstracts

- ADHS still reviewing abstracts and sending feedback to jurisdictions



Upcoming Meetings

Exploratory
Analysis Subgroup



Exploratory
Analysis Subgroup

- Thurs. Oct. 26
from 1:00 – 2:00

- Tues. Nov. 21
from 1:00 – 2:00



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THANK YOU

syndromicsurveillance@azdhs.gov | 602-542-6002

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