

Arizona BioSense Workgroup Meeting

**Sara Imholte, Krystal Collier and Bin Fang
Electronic Disease Surveillance Program
April 4th, 2017**



**ARIZONA DEPARTMENT
OF HEALTH SERVICES**

Health and Wellness for all Arizonans

- Welcome and Attendance
- Updates
 - Onboarding
 - On hold during transition
 - Production Data Quality
 - NSSP SFTP Testing in Staging
 - BioSense Grant
 - Community of Practice:
 - Join the [ISDS Website](#) and [Knowledge Repository](#)
 - Opioid Surveillance Flash Mob 03/27/17-03/28/17
 - New Syndromes Definition Workgroup!!!!!!!!!!!!
 - » Co-Chair Rasneet Kumar, Maricopa County
- Charter
 - **Objective 2**
 - Collaborate with the ADHS BioSense team 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. Report the number of users trained for use of the BioSense ESSENCE and/or back end analysis.
 - **Training**
 - » ISDS Webinar Recordings available:
 - [Building Queries](#)
 - [Using Queries](#)
 - Future Training: Suggestions Welcomed

– **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.
 - Decision to create sub-jurisdiction (county) "locker" views similar to legacy system
 - » Pilot process with Maricopa County
 - Protocols
 - » Update Existing Programs:
 - Heat Related Illness
 - In Progress
 - NSSP is working on building in CSTE Heat Syndrome Definition into ESSENCE
 - Chief Complaint Orig is now queryable in ESSENCE
 - Future work to be done on Admit Reason Combo and other fields

-
- Questions
- Other items



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Electronic Partners Status Update

Hospital Onboarding

Registration of Intent = 69

Hold Queue = 40

Testing = 0

Validation = 0

Production = 28

Data Use Agreements

Hospitals = 66

Local Public Health
Jurisdictions = 14



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Onboarding is currently on hold during the transition to the new environment of the BioSense Platform.

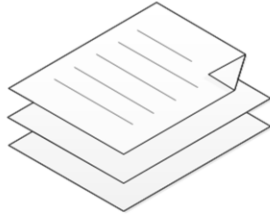


ADHS continues to work with Banner Health/Cerner facilities to send timely files. Some backed data has already been filled for February these facilities.

ADHS and NSSP are working together on the SFTP testing in Staging. We are doing the heavy lifting with our data providers **for our users**. The goal of the testing is transition data providers to new servers successfully then it should be a seamless process for production. Evident facilities, including La Paz Regional Hospital here in AZ, are working with ADHS and NSSP teams to resolve a data drop in production during this SFTP testing period in Staging. We will continue to work with partners to resolve this issue as soon as possible.

If you have questions at any time about interpreting the syndromic data, please contact syndromicsurveillance@azdhs.gov.

BioSense Grant



- ADHS is hard at work on the BioSense Grant!
- **Thank You** all for continued efforts to improve the use of syndromic surveillance in AZ!!!!



<http://www.healthsurveillance.org/group/SYNDEF>

Charter 2016-2017

Workgroup Year 2 Objectives and Deliverables

Objective: Continue 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 use of the decided process(es).

Objective: Collaborate with the ADHS BioSense team 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. Report the number of users trained for use of the BioSense ESSENCE and/or back end analysis.

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 results of evaluation.

Charter 2016-2017

Objective 2: Collaborate with the ADHS BioSense team 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. Report the number of users trained for use of the BioSense ESSENCE and/or back end analysis.



<https://www.syndromicsurveillance.org/>

NSSP receives data from more than 4,000 facilities. These facilities represent about 60% of all emergency department visits in the country based on American Hospital Association data. Currently, 47 sites in 40 states participate in the NSSP. Two sites transitioned but paused their move to production. At least 14 sites are working on local data feeds with plans to transmit data to the BioSense Platform soon.



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Data Dictionary Now Available in the Resource Center

National Syndromic Surveillance Program (NSSP)

NSSP

Overview



BioSense Platform



Community of Practice



Resource Center



New to Syndromic Surveillance?

NSSP Glossary

NSSP News



Onboarding

Syndromic Surveillance Data In Action



Syndromic Surveillance MMGs

Get Email Updates

To receive email updates

NSSP

Resource Center



NSSP Pubs

Forms

Webinars & Training

Standards & Guidance

Message Mapping Guides

Buttons

Data Dictionary

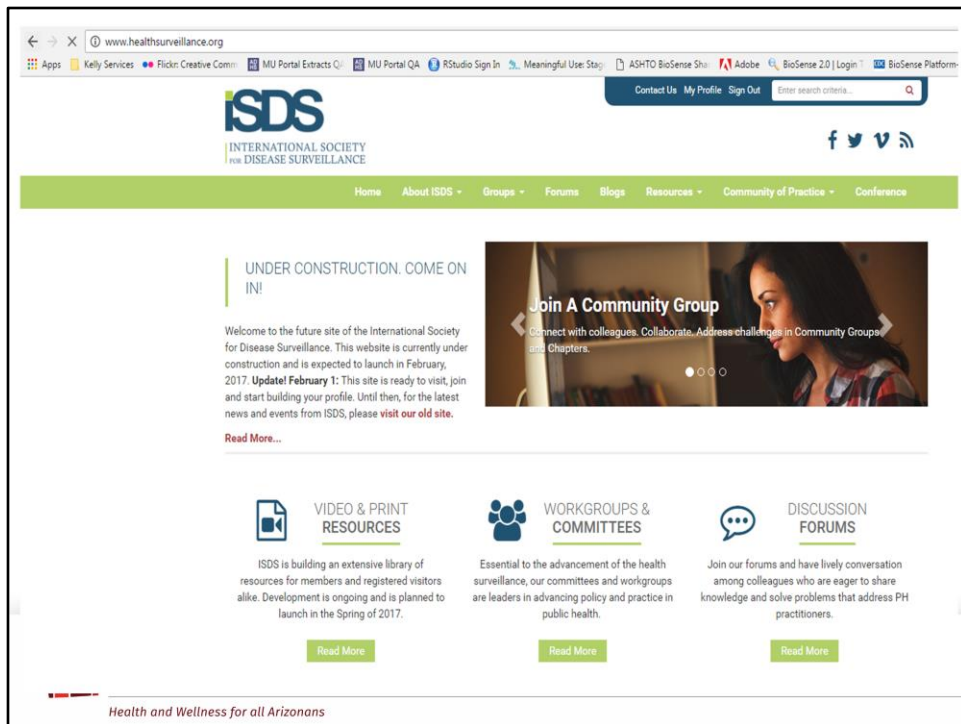
The **Data Dictionary** provides details on data elements stored in NSSP data tables. The ArchiveProcessed table worksheet—one of six worksheets in this document—links to the Public Health Information Network Vocabulary Access and Distribution System (PHIN VADS) website for specific data elements associated with a standard. PHIN VADS is a web-based enterprise vocabulary system for accessing, searching, and distributing vocabularies used in public health and clinical care practice. It promotes the use of standards-based vocabulary to support the exchange of consistent information among public health partners.

No password is required to access document.

[Access the NSSP Data Dictionary.](#)



<https://www.cdc.gov/nssp/biosense/publications.html#tabs-1208876-7>



ISDS new website! Make sure you sign up to become a guest member (unless you are already an ISDS member) and create your profile.
ISDS website: <http://www.healthsurveillance.org/>

Secure | <https://www.surveillancerepository.org/search>

Apps Kelly Services Flickr: Creative Commons MU Portal Extracts Q MU Portal QA RStudio Sign In Meaningful Use: Stage ASHTO BioSense Share Adobe BioSense 2.0 | Login BioSense P

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Home Search About ISDS Community of Practice

Welcome to the Surveillance Knowledge Repository

Click on a topic under the Key Topic Areas section in the left column, then select an article from the list of articles that appear for that topic. You may also search for specific topics by entering one or more keywords in the Search bar. You can filter the search results by Content Type, Year, or Author Name. Because this beta version of the Knowledge Repository is still under development, search results will be limited.

Enter search criteria... Clear

Key Topic Areas

- Data Analytics (11)
- BioSense (10)
- Data Sharing (9)
- Standards (9)
- Emergency Preparedness (4)
- Infectious Disease (4)
- Introduction to Syndromic Surveillance (4)
- One Health Surveillance (4)
- Chronic Disease and Injury (3)
- Meaningful Use (3)
- Electronic Health Records (2)
- ESSENCE (2)
- General - ISDS (2)
- Environmental Health (1)
- Syndromes (1)

HL7 Version 2.5.1 PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent Care and Inpatient Settings, Release 2.0, NIST Clarifications and Validation Guidelines, Version 1.5 (July 2016) ★

This document lists conformance testing issues and associated policies derived by NIST, in collaboration with the CDC, based on a review of the HL7 Version 2.5.1 PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent Care, Inpatient and Ambulatory Care Settings, Release 2.0. Read more

PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent Care, Inpatient and Ambulatory Care Settings, Release 2.0, Erratum (August 2016) ★

This addendum consolidates the Centers for Disease Control and Prevention's (CDC's) PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent Care, Inpatient and Ambulatory Care Settings (Release 2.0) (PHIN MG) information and clarifies existing conformance requirements. Read more

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This document represents the collaborative effort of the International Society for Disease Surveillance (ISDS), the Centers for Disease Control and Prevention (CDC), and National Institute of Standards and Technology (NIST) to specify a national electronic messaging standard that enables. Read more

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Surveillance Knowledge Repository: <https://www.surveillancerepository.org/search>
 Note: Use your same email address that you use for the new ISDS website to register your account for the Surveillance Knowledge Repository.

Secure | <https://www.surveillancerepository.org/search>

Apps Kelly Services Flickr: Creative Comm MU Portal Extracts Q MU Portal QA RStudio Sign In Meaningful Use: Sta ASHTO BioSense Shi Adobe BioSense 2.0 Login BioSense P

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Surveillance Knowledge Repository: <https://www.surveillancerepository.org/search>
To Find ESSENCE trainings, under the “Key Topic Areas” select ESSENCE. If you find a resource helpful, please comment on it.

ISDS is looking for those interested in reviewing materials in the repository and participating in a KR workgroup. KR Curation Workgroup:
<http://healthsurveillance.site-ym.com/members/group.aspx?id=190911>.

The screenshot shows the ISDS (International Society for Disease Surveillance) website. The main header includes the ISDS logo and navigation links: Home, About ISDS, Groups, Forums, Blogs, Resources, Community of Practice, and Conference. The page title is "Chapters: Arizona BioSense Group". Below the title, there are links for "Group Admin Options" and "Change Homepage Layout". The main content area contains a welcome message from the Arizona BioSense Workgroup and Exploratory Analysis Subgroup, followed by a "Group Feed" section with a "Post" button and a list of recent group members. On the right side, there is a "My Profile" section with links for "Profile Home", "Manage Profile", "Create Resume/CV", "Groups", "Networks", "Files & Links", "Favorites", "Messages", "Connections", and "Refer a Friend". Below this is a "Latest News" section with a "more" link, and a "Calendar" section with a "more" link.

AZ BioSense Group is listed as a chapter on the new ISDS website. You must create a profile on the new ISDS website to join this group. ADHS will approve members of the Arizona BioSense Workgroup and Exploratory Analysis Subgroup. Contact syndromicsurveillance@azdhs.gov if you need assistance. Additional guidance will be sent out to join this group in the future.

AZ BioSense Group Chapter: <http://www.healthsurveillance.org/group/AZBG>

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Community Groups: Surveillance Community of Practice

 Group Pages  Directory & Features  Options

The NSSP Community of Practice (NSSP-CoP) membership includes CDC-funded grantees, non-funded states and jurisdictions that contribute data to the BioSense Platform, public health practitioners who use local syndromic surveillance systems, CDC programs, other federal agencies, partner organizations, hospitals, healthcare professionals, and academic institutions to advance the science and practice of syndromic surveillance. While BioSense addresses SyS technology, the NSSP-CoP is the social framework for public health workers on the front lines of public health surveillance and emergency preparedness.

The Surveillance Community of Practice Group is open to all persons. However to participate in this group, you must be registered. If you are a current member (attended the December 2016 Conference), you have already had a profile created. Kindly contact site administrator, [Mark Krumm](#) to receive your password. If you are not a member, you may either join ISDS, or register as a guest to have access to this group.

Ready to get started? [Join or register as a guest](#), and ask your question, join the discussion and get involved!

 Group Directory  Calendar

Group Admin
Emilie Lamb

Group Admin
Catherine Tong

Surveillance Community of Practice: <http://healthsurveillance.site-ym.com/members/group.aspx?id=190174>
Next Call: 04/25/2017@3:00pm-4:30pm EDT

Opioid Flash Mob

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Forums

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Welcome to the ISDS General Forums. To enter a Forum, click on the forum name and click on "New Topic" to post to the forum.

If you have a suggestion for Forum, please contact the ISDS Staff at syndromic@syndromic.org.

General	Topics	Posts	Latest Activity
Syndromic Surveillance General Discussion This is the general forum for the Surveillance Community of Practice	1	1	Mental Health Case Definition... by A. Ising Friday, March 24, 2017
Opioid Surveillance Discussion	6	22	ICD-9-CM to ICD-10-CM Trans... by D. Swenson Friday, March 31, 2017
Heat-related Illness Discussion	0	0	No Activity
Influenza-like Illness Discussion	0	0	No Activity

Opioid Flash Mob: <http://healthsurveillance.site-ym.com/forums/Default.aspx>

On 03/27/2017-03/28/2017, multiple jurisdictions participated in a Opioid Flash Mob on the ISDS website. This is a good example of how jurisdictions can come together on a common topic and share questions and resources in the forum. If you are interested in the topics posted, please feel free to comment and share.



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Workgroups: Syndrome Definition Workgroup

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[Directory & Features](#)
[Options](#)

Group Feed

Write something...

Post

Kristen Heitzinger joined the group Workgroups: Syndrome Definition Workgroup.
Posted Thursday, March 30, 2017

Michael A. Coletta joined the group Workgroups: Syndrome Definition Workgroup.
Posted Tuesday, March 28, 2017

Sandra Gonzalez joined the group Workgroups: Syndrome Definition Workgroup.
Posted Thursday, March 23, 2017

Krystal S. Collier joined the group Workgroups: Syndrome Definition Workgroup.
Posted Tuesday, March 21, 2017

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Group Admin
 Rasneet Kumar

Group Admin
 Catherine Tong

Syndrome Definitions Workgroup: <http://healthsurveillance.site-ym.com/group/SYNDEF>

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Charter 2016-2017

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.



Tool Time



Pilot

New Environment

Database Tools: Adminer and RStudio Professional

- Keep current version of county locker model

Next Steps:

- ADHS will **review** the Maricopa County Pilot “locker” with NSSP
- In the future, Zip Code lists will be sent to BioSense Liaisons to review and provide feedback to create individual county “locker” view

The decision made by the workgroup from our survey is to proceed with option 2. The ADHS Syndromic Surveillance Team will work with the CDC NSSP team to create individual county “locker” views for the database tools, Adminer Webquery Tool and RStudio Professional, for AZ authorized users. Keep in mind that there is more data available in ESSENCE than we previously had. Some of the current authorized users may not need to use the database tools because the data may be accessible in ESSENCE. ESSENCE also dedupes the messages to be visualized at the visit level. Line lists can be downloaded from ESSENCE. The database has all of the data received at message level, where multiple messages are sent that make up the entire patient visit (messages for when patient is admitted to the ED, given a diagnosis, discharged and any updates to the visit). Hospital partners do not need to make any changes for their interfaces that would be affected by this decision. The Data Use Agreements will not require changes for either option to be created for Adminer or RStudio Professional.

Exploratory Analysis Subgroup Projects

Heat Related Illness



- In Progress
- NSSP is working on building in CSTE Heat Syndrome Definition into ESSENCE
- Chief Complaint Orig is now queryable in ESSENCE
- Future work to be done on Admit Reason Combo and other fields



Upcoming Meetings

Exploratory
Analysis Subgroup



Exploratory
Analysis Subgroup

- Thurs. April. 27
from 1:00 – 2:00

- Tues. May. 25
from 1:00 – 2:00



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THANK YOU

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azhealth.gov

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