

Arizona Department of Health Services Exploratory Analysis Work Group

May 28, 2015



Health and Wellness for all Arizonans

Introductions

- Sara Imholte – Electronic Disease Surveillance Program Manager
- Krystal Collier – Project Specialist, Syndromic Surveillance
- Stanley Kotey – Epidemiologist/Informatician

Objectives

- Feedback on Draft SS Data Dictionary
- Clinical Procedures
- Direction for the group

Feedback on Data Dictionary

- General comments:
 - Comments on uniformity between the Binned and Raw Data Dictionaries e.g. request to add user notes column and data element number to the Binned Data Dictionary
 - Comments to color code the variables into 4 categories:
 - facility information
 - Patient demographics
 - patient medical information
 - Message variables

Feedback on Data Dictionary

- General comments (cntd):
 - Issue of broken hyperlinks
 - Request of examples in the “value set” column
 - More information on the HL7 segments
 - Provide a list of the facilities in the dictionary already onboarded
 - Request to add an appendix – What do you want to see?
- Next steps:
 - Incorporate immediately some of the corrections pointed out by members
 - Send a second draft of the document for additional comments
 - Will focus on Raw Data first, then Binned Data

Clinical Procedures

- Role of Procedures in Syndromic Surveillance
 - Syndrome Assignment
 - Secondary review to identify complications and/or severity of disease e.g. intubation in ILI patients.
 - Usual finding in the syndromic data set is to see one or two procedures per visit

Clinical Procedures (cntd)

- Recent challenges with procedure information
 - The vendor of some of our onboarding facilities adds lab orders, nursing care and referral information into the procedure field.
 - This has presented two main challenges:
 - Issues relating to how to handle the volume of data transmitted to BioSense e.g. one visit had 12,000 cumulative list of procedures!
 - Data in field may not necessarily be useful to public health e.g. (glucose, vitals check, dietician review, consults)

Clinical Procedures (cntd)

- ADHS has been engaging with program managers, other jurisdictions and researchers on how to resolve this issue
- Finding: Use of procedure in syndrome assignment is limited across jurisdictions
- Action: Exclude common but less important “**procedures**” in the feed for this vendor
- Implications: *definitions of clinical procedure vary from vendor to vendor*. Analysis of this field must be done with the understanding of this difference across facilities.

Direction for the group

- Starting with the larger AZ BioSense Workgroup, we will discuss group mission, goals and plan with measureable objectives.
- After the large group discussion, we will do the same for the Exploratory Analysis Subgroup.
- Think about how this group can help you increase your capability to use BioSense data. What are some of the specific steps that these groups, ADHS and local partners can take to get us to our goals?

Discussions/Questions?

