

Arizona BioSense Workgroup

Exploratory Analysis Subgroup Meeting

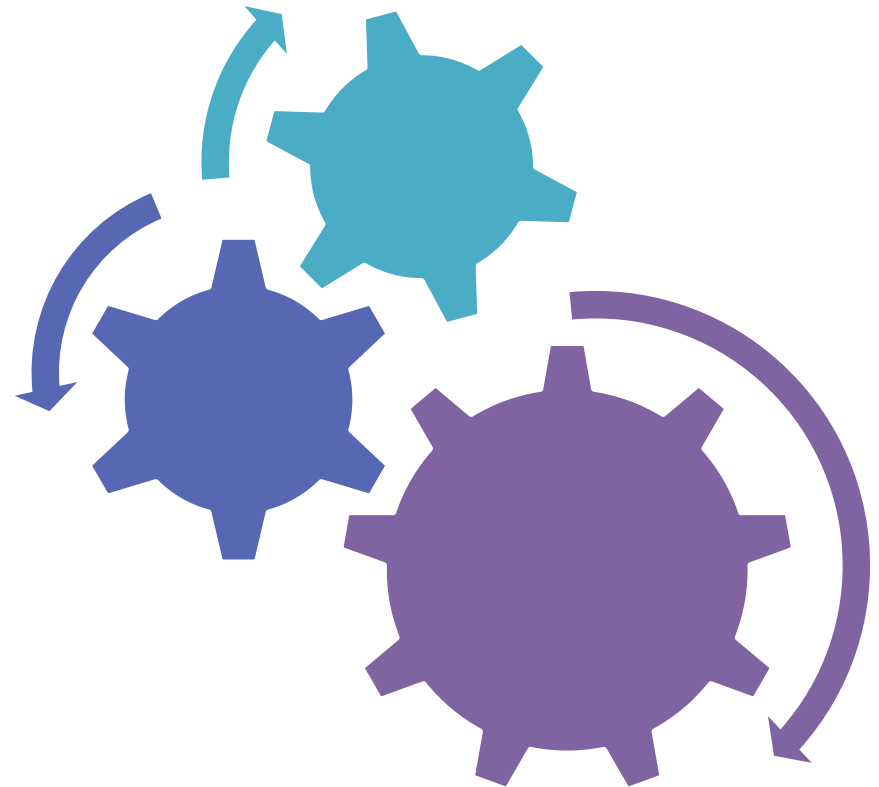
August 27, 2015



Health and Wellness for all Arizonans

Arboviral Syndromic Surveillance Protocol

- “Final” protocol was sent to participating counties
- We started querying data on Monday, August 24th
- Today we will review the protocol and answer questions



Two Project Objectives

1. Identify cases faster for more timely investigation and control actions (maybe catch them while they are still viremic)
2. Evaluate this protocol and use of BioSense data for enhanced arboviral surveillance

Protocol Overview

ADHS – Data Pull

- ADHS pulls data
- Appends to County file in Secure Portal

County - BioSense

- County reviews file for suspect cases
- Determine if suspects are in MEDSIS

County – Medical Records

- Initial review of Medical Records
- Enter in MEDSIS if needed

County – Investigation

- Investigate according to usual protocol
- Decide to: contact patient, order labs, vector control, etc.

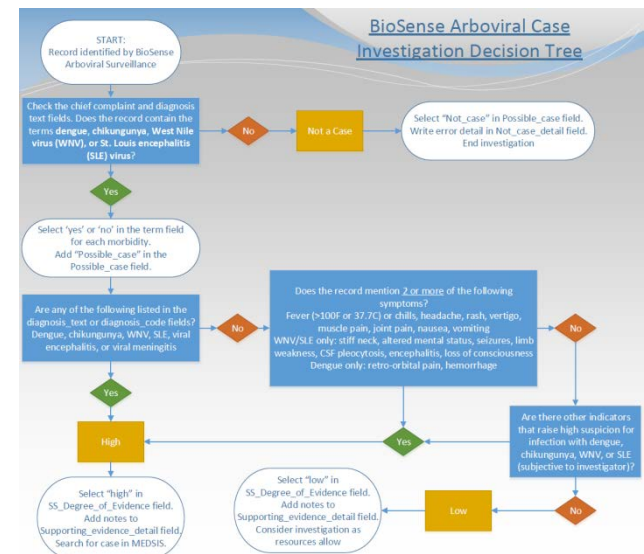
Protocol Details:

Check out file from Secure Portal

- Use Internet Explorer (or browser you use for MEDSIS)
- Go to my.health.azdhs.gov
- Directions on checking out file available in Portal (Syndromic Surveillance site):
 - Updated protocol (Aug 26)
 - New document: *Accessing Arbo Syndromic Data from the Health Services Portal*

Protocol Details: Review the BioSense Data

- Use the algorithm in the protocol
- Can use fields beyond chief complaint and diagnosis
- Fill out all applicable fields in the last columns



Case Review

	Morbidity	BioSense Evidence	In MEDSIS?	MR Review	Investigate?
Case 1	SLE	High			
Case 2	Dengue	High			
Case 3	WNV	High based on other info			
Case 4	WNV	Low			

Protocol Details:

Search MEDSIS

- No patient names, use DOB
- Verify by morbidity and patient address, hospital
- Patients with samples sent to the State Lab for WNV will be in MEDSIS for WNV and SLE cases.
- If the patient is out of county, you may not see it. Can ask ADHS or other county to search MEDSIS.

Case Review

	Morbidity	BioSense Evidence	In MEDSIS?	MR Review	Investigate?
Case 1	SLE	High	Not in MEDSIS*		
Case 2	Dengue	High	In MEDSIS		
Case 3	WNV	High based on other info	Not in MEDSIS		
Case 4	WNV	Low	NA		

Protocol Details:

Medical Record Review

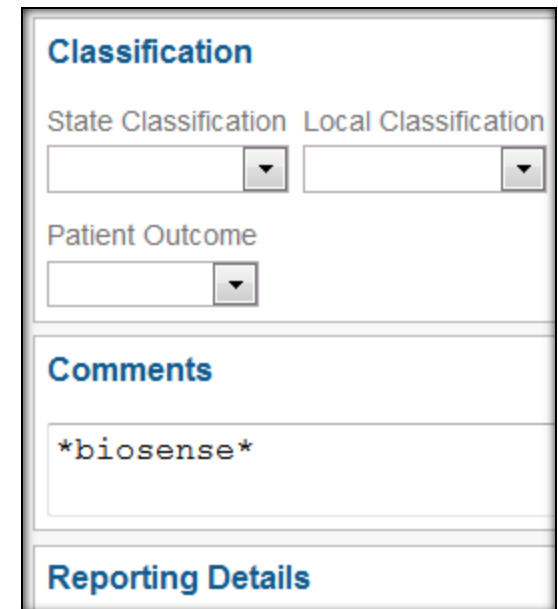
- Access electronic EHR or request from hospital
 - *You do not have name, just DOB and MRN. If you have problems with the Med Records Dept., try Infection Control. They should know about BioSense.*
- Look for: labs, symptoms, diagnoses (including other final diagnosis), risk factors (travel, others in house with diagnosis)

Case Review

	Morbidity	BioSense Evidence	In MEDSIS?	MR Review	Investigate?
Case 1	SLE	High	Not in MEDSIS*	MR review not a case	
Case 2	Dengue	High	In MEDSIS	NA	
Case 3	WNV	High based on other info	Not in MEDSIS	High suspect, enter in MEDSIS	
Case 4	WNV	Low	NA	NA	

Protocol Details: Enter in MEDSIS

- Enter it as you would a regular case with the info from the Med Record
- In the Comments box, add ***biosense*** to indicate it was first identified through BioSense



The screenshot shows a web form with the following sections:

- Classification**
 - State Classification: [dropdown menu]
 - Local Classification: [dropdown menu]
 - Patient Outcome: [dropdown menu]
- Comments**
 - Text input field containing: `*biosense*`
- Reporting Details**

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Case 1	SLE	High	Not in MEDSIS*	MR review not a case	No
Case 2	Dengue	High	In MEDSIS	NA	Already under investigation
Case 3	WNV	High based on other info	Not in MEDSIS	High suspect, enter in MEDSIS	YES, begin investigation
Case 4	WNV	Low	NA	NA	NA

Protocol Details:

Review Appended Data

- Helpful to sort by Medical Record Number, then Patient Visit ID to group visits together (already reviewed and new rows)
- May have new data that changes level of suspicion

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Case 3	WNV	High based on other info	Not in MEDSIS	High suspect, enter in MEDSIS	YES, begin investigation
Case 4	WNV	Low	NA	NA	NA
Case 3	WNV	High with Diagnosis			
Case 4	WNV	High with Diagnosis			

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Case 3	WNV	High based on other info	Not in MEDSIS	High suspect, enter in MEDSIS	YES, begin investigation
Case 4	WNV	Low	NA	NA	NA
Case 3	WNV	High with Diagnosis	In MEDSIS from last round		
Case 4	WNV	High with Diagnosis	Not in MEDSIS		

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Protocol Details:

Save and Check in Spreadsheet

- Make sure you save your final changes!
- Check in according to protocol (or short doc)
- ADHS staff will check out doc to append next set of data and check in again

Protocol Details:

Investigate New MEDSIS Cases

Considerations:

- Is the person investigating different than the person doing the BioSense and Med Record parts?
- What follow up is needed?
 - Contact case?
 - Recommend lab tests if not already ordered? How do they order labs?
- When to contact Vector Control?

Feedback

- We welcome all comments!
- Sept. 24 – One month check-in.
 - Have all data up to date and ADHS will compile stats to see how we are doing

Discussions – Potential Projects



Next Meetings

Exploratory Analysis Subgroup

- September 24, 1:00 – 2:00

AZ BioSense Workgroup

- October 6, 1:00 – 2:00

Exploratory Analysis Subgroup

- October 22, 1:00 – 2:00

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