

Arizona Department of Health Services Exploratory Analysis Work Group

June 29, 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

- Charter
- Round Two: Feedback on Draft BioSense Syndromic Surveillance Data Dictionary
- Syndromic Surveillance Use Case
- Questions and Discussions

Workgroup Charter

- The larger AZ BioSense Workgroup will meet to discuss the charter/1 year work plan in August
- This Exploratory Analysis Subgroup will meet after to develop a 1 year work plan for the subgroup

Draft AZ SS Data Dictionary Review

- Feed back from first data dictionary have been implemented in the new version
- **Main items**
 - Changes in raw locker was priority
 - Color coding of variables
 - Fixing of broken hyperlinks
 - Changed definitions of some variables to provide clarity
 - Addition of examples in the value set column
 - Addition of an index table to explain abbreviations
 - Specific responses were sent to some reviewers

Syndromic Surveillance Use Case

- The use of BioSense for Dengue surveillance has been suggested
- Other arboviral projects to be investigated are West Nile and Chikungunya
- BioSense definitions for Dengue in the front end are too broad, we need to look at the database (BioSense does not currently have definitions for West Nile or chikungunya)

Use Case

- Identify potential dengue cases
- Include chikungunya or West Nile virus as well?
- Do we want to use this for **case identification** (with follow up to the hospital and maybe patient) **or** do we use this to look at **trends**?

Method – Phase 1

- Start with simple definitions

Dengue , Chikungunya and West Nile

Include	Exclude
CHICKENG*	
CHIKENG*	
CHIKUN*	
DENG*	DENGEN*
WEST NILE	

- Who runs the program and how often?
- Who gets the data?
- What kind of follow up will we do? Do we want to confirm or rule out cases as part of surveillance?

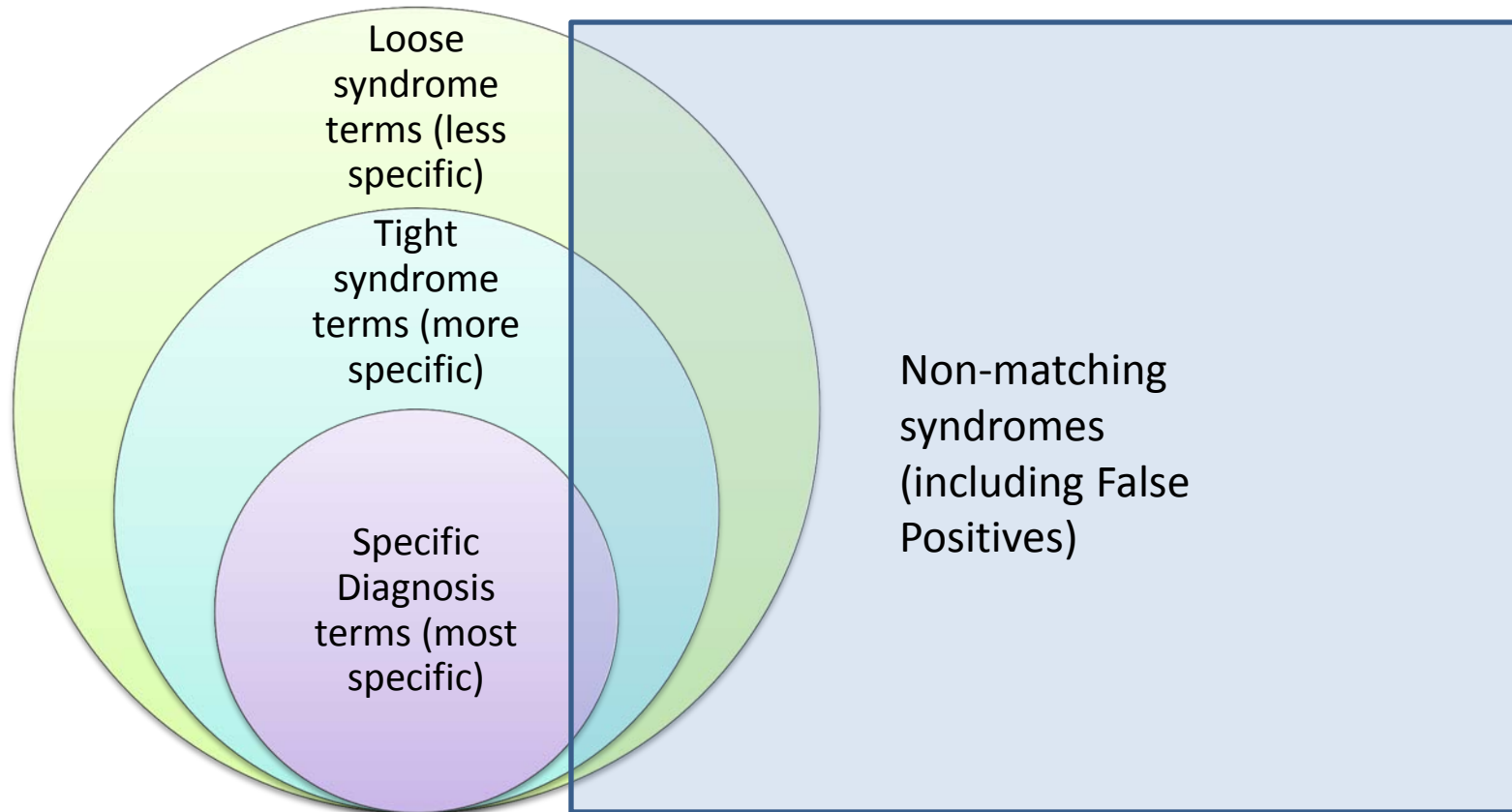
Validation/Evaluation

- Who will conduct validation?
- How?
- Is this work benefiting us?

Method – Phase 2

- Develop more complicated syndrome definitions based on what we have learned
- Validation/Evaluation also included with this phase

Syndrome Definitions



Action Items before Next Meeting

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Discussions

