
Analytic Solutions for Real-Time Biosurveillance
Assessing Risk for Emerging Arboviral Disease

June 14-15, 2016

Arizona Department of Health Services

250 N 17th Ave., Phoenix, AZ 85007

Lab Auditorium (Igloo)

Purpose

To improve surveillance for emerging arboviral diseases in Arizona by developing dynamic risk maps that integrate human, mosquito, and environmental data.

Agenda

Consultancy Day 1: June 14, 2016

9:00	Registration, Continental Breakfast, and Meet & Greet
10:00	Welcome to the Arizona Department of Health Services Jessica Rigler, ADHS Bureau Chief
10:15	ISDS Welcome and Introductions Laura Streichert, ISDS Executive Director
10:45	Arizona Use Case Goals and Requirements for AZ Sara Imholte, ADHS <ul style="list-style-type: none"> • What is the analytic need faced by Arizona Public Health? • Recap of things to consider when evaluating surveillance systems
11:00	Arboviral Surveillance in Arizona Moderator: Joli Weiss, ADHS <u>Moderated Group Discussion- 10 minute presentations then discussion</u> <ul style="list-style-type: none"> • State and county responsibilities and partnerships – Ken Komatsu • Geography of Arizona – Craig Levy • Health and vector control partnerships – Craig Levy • Mosquito surveillance strategies & control actions – John Townsend
12:00	Working Lunch Arbovirus detection – Smart-traps – Robert Meagher

12:45	<p>Human Data Sources for Arboviral Disease</p> <p>Moderators: Hayley Yaglom and Jessica White</p> <p><i>What data is available? How is it used now? How does AZ envision using it in an integrated capacity?</i></p> <p><u>Moderated Group Discussion</u></p> <ul style="list-style-type: none"> • Lab and provider reports (MEDSIS) – Hayley Yaglom • Enhanced lab surveillance (lab orders) – Hayley Yaglom • Hospital syndromic surveillance (BioSense) – Sara Imholte • Census and other data sources (Claritas, ESRI, etc. – SES, travel) – Wes Kortuem
1:35	<p>Mosquito and Environmental Data Sources for Arboviral Disease</p> <p>Moderators: Hayley Yaglom, Matt Roach, and John Townsend</p> <p><i>What data is available? How is it used now? How does AZ envision using it in an integrated capacity?</i></p> <p><u>Moderated Group Discussion</u></p> <ul style="list-style-type: none"> • Mosquito surveillance/Arizona ArboNet database – Hayley Yaglom • Historical mosquito surveys – John Townsend • Weather – Matthew Roach • Other data sources (mosquito, environmental factors)
2:30	<p>What’s possible with web mapping? – Wes Kortuem</p>
2:45	<p>Coffee Break</p>
3:00	<p>Existing Risk Mapping Approaches</p> <p>Moderator: Howard Burkom and Irene Ruberto</p> <p><i>Modeling approaches for combining the data?</i></p> <p><i>Pros and cons of each approach for AZ?</i></p> <p><u>Panel – 10 minute presentation each, then discussion</u></p> <ul style="list-style-type: none"> • Nedialko Dimitrov – TX Arbo Risk Map Project • Cory Morin – Climate-driven mosquito population model • Andrew Monaghan – Climate factors and vector distribution • Max Jacobo Moreno-Madriñán – Remote sensing • Daoqin Tong – Network-based modeling of vector-borne disease spread and mapping uncertainty

	<p><u>Moderated Group Discussion</u></p> <p><i>What sounds appropriate for the Arizona Public Health context?</i></p> <p><i>What can we take from other surveillance efforts?</i></p>
4:30	<p>Wrap-Up and Break Out Groups for Day 2</p> <p>Sara Imholte</p>
5:00	<p>Adjourn</p>
6:30	<p>Group Dinner – Canyon Café</p> <p>At The Arizona Center – 400 East Van Buren Street, Suite 1180 Phoenix, AZ 85004</p>

Consultancy Day 2: June 15, 2016

8:00	<p>Continental Breakfast and Meet & Greet</p>
8:30	<p>Recap of Day 1 and Goals for Day 2</p>
8:45	<p>Developing a Risk Map for AZ: How to get there?</p> <p>Moderator: Sara Imholte</p> <p><u>Breakout groups:</u> Topics to be determined based on what needs further discussion from Day 1</p> <p><u>Moderated Group Discussion</u></p> <p><i>What methods should we use? What do we want the output to look like?</i></p>
10:30	<p>Break</p>
10:45	<p>Developing a Risk Map for AZ: Next steps</p> <p>Moderator: Hayley Yaglom</p> <p><u>Moderated Group Discussion</u></p>
11:45	<p>Working Lunch</p> <p>Hotwash and open discussion</p>
12:50	<p>Closing</p> <p>Laura Streichert, ISDS</p>
1:00	<p>Adjourn</p>