Update on APHL’s Zika Activities

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Zika Challenges

1. Plaque Reduction Neutralization Tests
2. Serology
   - Throughput
   - Specificity
3. Reporting
Challenge 1
Plaque Reduction Neutralization Test
How do I Submit Specimens?

• Look for an email from me!
• Fill out some basic information
• We’ll send you instructions on specimen submission, your Reference Center’s requisition, and reporting language/interpretations
• Send email to your Reference Center before sending specimens
States Submitting to Wadsworth Center (NY)
States Submitting to Michigan
States Submitting to California

- WA
- OR
- ID
- MT
- MT
- WY
- CO
- NV
- AZ
- NM
- TX
- CA

* denotes states that have not submitted.
Challenge 2

Serology
Improving Throughput

• Automation of the Zika MAC ELISA
  • Dynex Agility and DSX
• New IgM assays with Emergency Use Authorization and more in the pipeline
Improving Specificity

• New IgM assays with Emergency Use Authorization and more in the pipeline
• Use of the NS-1 antigen versus the envelope protein
• Evaluations ongoing at CDC and in Public Health Laboratories
Evaluating DiaSorin LIASION XL XL Zika Capture IgM Assay

*LA County
Challenge 3
Reporting
Electronic Ordering and Reporting

• Working with CMS and the HHS Office of the National Coordinator for Health Information Technology

• Currently working on requirements gathering with a handful of states
  • Looking at new use cases to support epi needs

• Will focus on piloting in Texas
Lessons from a Virus

Public Health Laboratories Respond to the H1N1 Pandemic
APHL Vectorborne Disease Subcommittee

• Mosquito-borne Disease Position Statement
• Upcoming survey on vectorborne disease capacity
• Possible MAC ELISA training
How else can we help?

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