

BUILDING INDIANA'S OUTREACH AND TRAINING PROGRAM: THE GOOD, THE BAD, AND THE UGLY

Jyl Madlem, MS, MT(AMT)

Laboratory Program Advisor

Shelley Matheson, BS

State Training Coordinator

2008

- ▣ State Training Coordinator Position
 - Shelley promoted
 - Sentinel laboratory survey
 - ▣ Who, what, where, how
 - SharePoint Database creation
- ▣ Laboratory Program Advisor Position
 - L-SIP Assessment
 - Assist training coordinator
 - “Other Duties as Assigned”
- ▣ Hospital Laboratory Training Coordinator

2009

- ▣ Critical grant funding available
- ▣ Training support from administration
- ▣ LPX provided for sentinel level laboratories
 - 33% increase in Indiana participation over 2008
- ▣ Trainings begin
 - Biothreats 101 Hand's-on Workshops
 - Packaging/Shipping Category A & B (home/away)
- ▣ Standard Communications: LabInfo email
- ▣ Vendor booths
 - SCACM, Public Health Week, Science Fairs
- ▣ L-SIP Assessment Performed

2010

- ▣ Staffing Change: LPA resigns
- ▣ Trainings continue
- ▣ Additional vendor presence at Public Health Nurses' (PHN) Conference
- ▣ 46% increase in Sentinel Laboratory LPX participation over 2009
- ▣ Shelley: Indiana State Director for South Central Association for Clinical Microbiology (SCACM)

2011

Staffing change: LPA replaced

▣ Added trainings:

- Statewide Communicable Disease Rule
- HAI: C. diff
- Riley Medical Resident Training: Pertussis
- High School Job Shadowing

▣ APHL Innovations Grant

- Build up environmental system: Data base creation, annual meeting, LabInfo, training opportunities, etc.

2012 (BOOM)

- ▣ Training explosion! Added the following:
 - St. Vincent Medical Resident Training/Pertussis
 - ▣ Riley & St. Vincent/Measles
 - Biothreat Tabletop Exercise for Sentinel Laboratories
 - Hosted ASM Fellows from Africa
 - Environmental Health Specialist/PHN Orientation Training
 - 1st Indiana Laboratory System (ILS) Meeting for Environmental Laboratorians
 - Rabies Sample Submission

LOOK! New Logo!



Indiana
Laboratory
System

.....
Get Connected

2012 Vendor Presence/Posters

- ▣ SCACM: Jyl is now Secretary and voting member on Board of Directors/Shelley continues as Indiana State Director
- ▣ Celebrate Science Indiana
- ▣ Indiana Environmental Health Association (IEHA) Conferences
- ▣ Poster presentations
 - Indiana Laboratory System: More than Clinical Laboratories
 - Detection of Novel Influenza: The Benefits of Building Relationships with Sentinel Laboratories

Improvement Activities 2012

- ▣ Doubling up on training districts to reduce travel time
- ▣ Implementation of Turning Technologies Turning Point technology for Pre- and Post-Testing during trainings to assess learning
- ▣ Implemented HSEEP compliance for all table-top exercise activities

2013 (BIG BOOM)

- ▣ Staffing change: Then there were TWO
 - Hospital Lab Training Coordinator resigns
- ▣ Added the following trainings:
 - ASM Fellows from Armenia
 - Statewide Aseptic Sampling/Submission of Food
 - Statewide Phlebotomy Refresher for PHNs
 - Food Protection ATP Luminometer Training
 - 2nd Annual ILS Meeting
 - Septic Surface Water Sampling Training
 - Containers for PHNs and Environmental Health Specialists

2013 Vendor/Presentations

- ▣ Added the following events:
 - Indiana American Water Works Association (InAWWA)
 - Benton County Health Fair (by request)
 - FBI Weapons of Mass Destruction (promoting our 1st Responder Training)
 - COLA Symposium: Jyl gave 2 talks (Lean & CDR)
 - Water Laboratory Alliance Security Summit: Phil Zillinger spoke on Jyl's behalf about Indiana's work on the ILS

New: Outreach and Training Team Suite



2013 Posters/Publications

- 2013 InFORM PulseNet Conference (poster presentation)
 - Hands-On Training of Local Health Department Personnel Reduces Food Sample Submission Errors
- APHL Annual Meeting (poster presentation)
 - Implementing Confirmation testing for Carbapenem-Resistant Enterobacteriaceae and Vancomycin-Resistant *Staphylococcus aureus* at the Indiana State Department of Health Laboratory: Benefits at the State and Clinical laboratory Levels
- Public Health Reports Journal
 - The Indiana Laboratory System: Focus on Environmental Laboratories; September/October 2013 Supplement
- APHL Bridges
 - Indiana Laboratory System: 2nd Annual Environmental Members' Meeting, Issue 12 Winter 2013

Current

Not letting up at all

- ▣ Trainings added for this year:
 - Statewide 1st Responder
 - Statewide Blood Lead Screening
 - St. Vincent Medical Resident Training/STD
- ▣ Vendor booths added:
 - International Association for Food Protection
 - Indiana Rural Water Association
 - IUPUI Career Fair

Current

- ▣ Since 2009, the number of trainings provided, vendor booths hosted, and partners reached has increased by **400%**, **200%**, and **330%**, respectively.
- ▣ Currently, this team conducts 9-types of trainings, hosts 9-vendor booths, and connects with **>400** partners each year.
- ▣ **58 events in 2013**
- ▣ Funding from either state funds or grant funds earmarked for outreach and training purposes.
- ▣ email ListServ used to notify ILS partners of training opportunities, outbreak updates, sample submission criteria

Current

- ▣ Significant growth since 2008
- ▣ Straight forward vision and mission statements
- ▣ Exceeds goals annually
 - promoting and providing high quality training to healthcare workers in Indiana.
- ▣ Created outreach and training program model
 - Demonstrates formation, partnerships and strengthened communications throughout the state
- ▣ **Goal: improve the Indiana Laboratory System.**

The Good

Through surveys, database creation, and avid networking, the team's **mission** is:

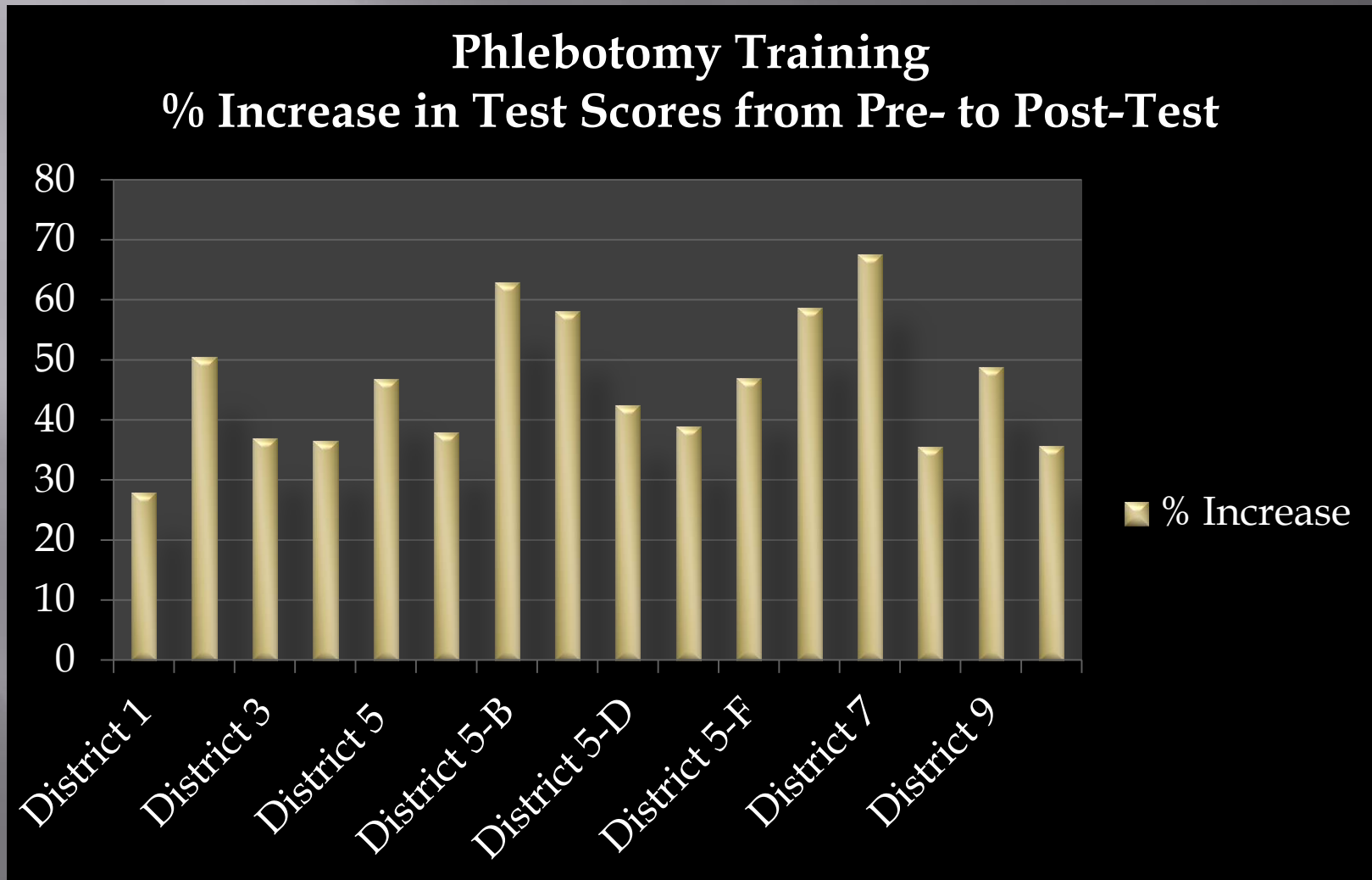
- ▣ To establish partnerships and provide training to clinical and environmental laboratorians and other health workers in Indiana.
- ▣ The team's **vision**: To improve public health in Indiana by building an Outreach and Training Program for ILS partners.

We're accomplishing our mission and vision.

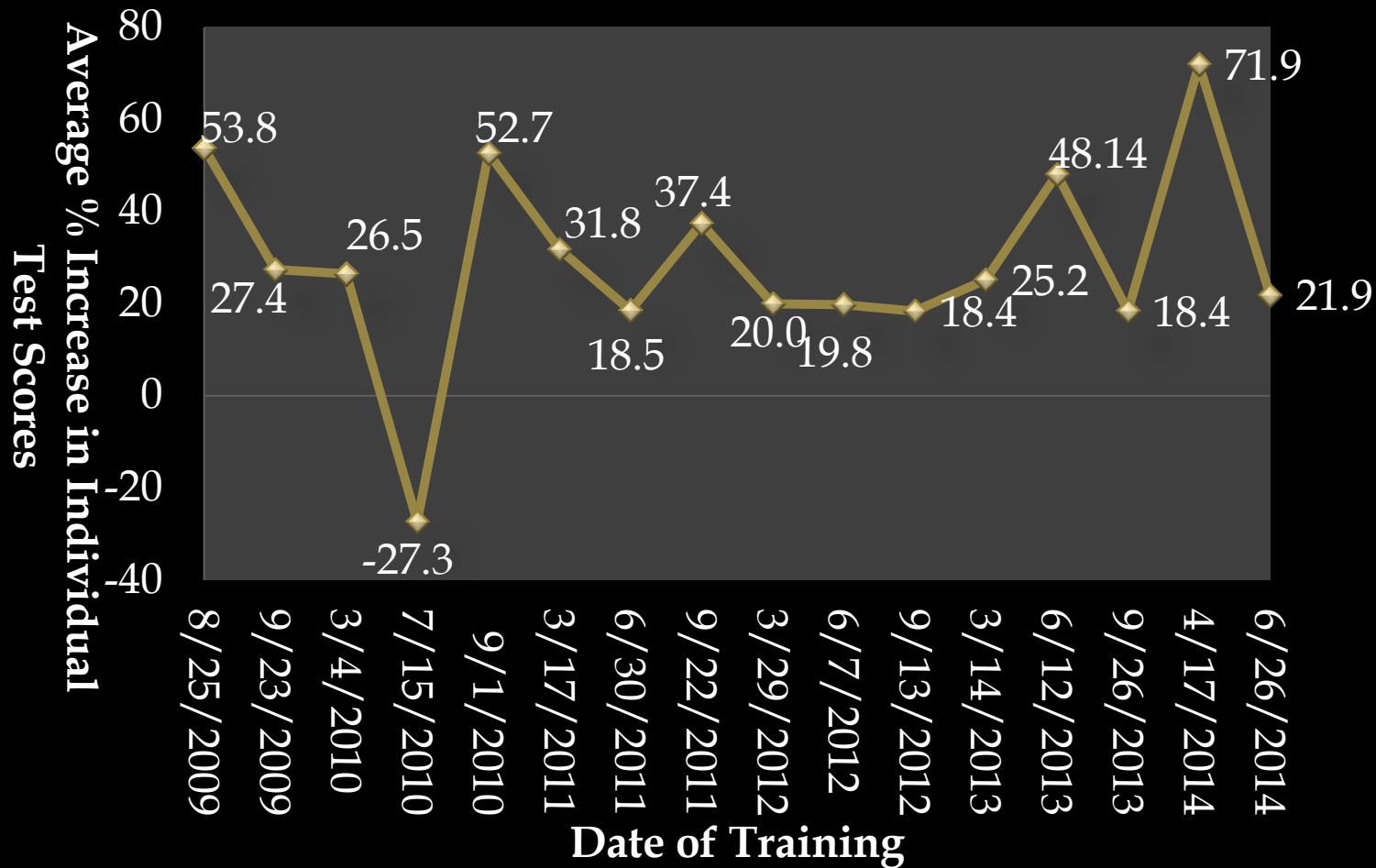
The Good

- ▣ Laboratory Director/Commissioner support
- ▣ Great feedback from trainees, LHDs, conference attendees, etc.
- ▣ Awards: Both Jyl and Shelley earned HERO Awards
- ▣ Laboratory Staff support for events such as Celebrate Science Indiana/Connor Prairie
- ▣ Now being requested for events/trainings

Learning Assessment 16 Courses Phlebotomy Training



Learning Assessed 16 Biothreat 101 Hand's-On



The Bad



Just Say
NO
Extra
Work/Events



Performance Metrics

- ▣ Coordinate various lab activities and act as a liaison for the ISDH labs in their efforts
 - Provide training to various partners and labs
 - Number of trainings delivered
- ▣ Develop strong partnerships with other labs and lab networks
 - Number of partners and other labs in network

The Ugly



Outreach and Training Model

- Growth history of ISDH Laboratories' Outreach and Training Team efforts from 2008-2013
- We would like to acknowledge Judith C. Lovchik, PhD, ABMM, who created this team, believed in its mission, and supported its efforts. Dr. Lovchik's leadership is the cornerstone of the ISDH Laboratories Outreach and Training Team's success.

Outreach and Training Model

2008			
Sentinel Level Laboratory Contact Information Survey		Database Creation	
2009			
Trainings <ul style="list-style-type: none"> Biothreats 101 Hands-On Workshops Packaging and Shipping Training for Sentinel Laboratorians 	Funding <ul style="list-style-type: none"> Assistant Secretary for Preparedness and Response (ASPR) Funding Begins Laboratory Preparedness Exercise (LPX) Survey for Sentinel Labs Training Support 	Communication Begins <ul style="list-style-type: none"> Labinfo email Notification System Started 	Vendor Booths <ul style="list-style-type: none"> South Central Association for Clinical Microbiology (SCACM) Public Health Week Science Fairs
2010			
Trainings <ul style="list-style-type: none"> Biothreats 101 Hands-On Workshops Packaging and Shipping Training for Sentinel Laboratorians 		Vendor Booths <ul style="list-style-type: none"> SCACM-Shelley Matheson-Indiana State Director 1/2010 American Society for Clinical Laboratory Scientists (ASCLS) Public Health Week Public Health Nurses Conference 	
2011			
Trainings <ul style="list-style-type: none"> Biothreats 101 Hands-On Workshops Packaging and Shipping Training for Sentinel Laboratorians Communicable Disease Rule HAI: C. difficile Riley Hospital Medical Resident Training: Pertussis Greenfield High School Students Job Shadow for a Day 	Vendor Booths <ul style="list-style-type: none"> SCACM-Shelley Matheson-Indiana State Director ASCLS Public Health Week Public Health Nurses Conference 	Innovations Grant <ul style="list-style-type: none"> Created Environmental Laboratories Databases for water, food and veterinary laboratories Improved Indiana Laboratory System by expanding to include environmental, food and veterinary laboratories 	
2012			
Trainings <ul style="list-style-type: none"> Biothreats 101 Hands-On Workshops Packaging and Shipping Training for Sentinel Laboratorians Communicable Disease Rule Riley Hospital and St. Vincent Hospital Medical Resident Trainings: Pertussis/Measles Biothreat Exercise for Sentinel Level Laboratories American Society for Microbiology (ASM) Fellows from Africa Environmental Health Specialist and Public Health Nurses Orientation 1st Indiana Laboratory System Environmental Meeting Rabies Sample Submission 	Vendor Booths <ul style="list-style-type: none"> SCACM-Shelley Matheson-Indiana State Director; Jyl Madlem-Organization Board of Directors Secretary (1/2012) ASCLS Public Health Week Public Health Nurses Conference Celebrate Science Indiana Indiana Environmental Health Association (IEHA) Conference 	Posters <ul style="list-style-type: none"> APHL Annual Meeting Poster Presentation Indiana Laboratory System: More than Clinical Laboratories Detection of Novel Influenza: The Benefits of Building Relationships with Sentinel Laboratories 	
2013			
Trainings <ul style="list-style-type: none"> Biothreats 101 Hands-On Workshops Packaging and Shipping Training for Sentinel Laboratorians Communicable Disease Rule Riley Hospital and St. Vincent Hospital Medical Resident Trainings: Pertussis/Measles Biothreat Exercise for Sentinel Level Laboratories American Society for Microbiology (ASM) Fellows from Armenia Statewide Joint Laboratory and Food Protection Aseptic Sampling and Submission Training Statewide Phlebotomy Refresher Training for Public Health Nurses and Nursing Personnel Food Protection ATP Luminometer Training 2nd Annual Indiana Laboratory System Environmental Meeting Septic Surface Water Sampling Containers for Public Health Nurses and Environmental Health Specialists 	Vendor Booths and Presentations <ul style="list-style-type: none"> SCACM-Shelley Matheson-Indiana State Director; Jyl Madlem-Organization Board of Directors Secretary ASCLS Public Health Week Public Health Nurses Conference Celebrate Science Indiana Indiana Environmental Health Association (IEHA) Conference Indiana American Water Works Association (InAWWA) Conference Benton County Health Fair FBI Weapons of Mass Destruction Conference-promoting upcoming 1st Responder Training (scheduled to begin in 2014) COLA Symposium-Jyl Madlem was a guest speaker presenting on Lean Initiatives in the Laboratory and Communicable Disease Rule Water Laboratory Alliance-Jyl Madlem was requested, Phil Zillinger spoke on her behalf on the ISDH Laboratory's work with the Indiana Water Laboratories. 	Publications and Posters <ul style="list-style-type: none"> Public Health Reports Journal <ul style="list-style-type: none"> The Indiana Laboratory System: Focus on Environmental Laboratories ; September/October 2013 Supplement APHL Bridges <ul style="list-style-type: none"> Indiana Laboratory System: 2nd Annual Environmental Members' Meeting, Issue 12 Winter 2013 2013 INFORM PulseNet Conference Hands-On Training of Local Health Department Personnel Reduces Food Sample Submission Errors APHL Annual meeting <ul style="list-style-type: none"> Implementing Confirmatory Testing for Carbapenem-Resistant Enterobacteriaceae and Vancomycin-Resistant Staphylococcus aureus at the Indiana State Department of Health Laboratory: Benefits at the State and Clinical Laboratory Levels 	

Contact Information

Jyl Madlem

jmadlem@isdh.in.gov

317-921-5574

Shelley Matheson

smatheson@isdh.in.gov

317-921-5890

