

2013-2014 Updates



Public Health Lab of East Texas

2013-2014

- New staff
- Facility updates
- Training
- Samples tested
- Inspections
- Flu testing



Public Health Lab of E Texas

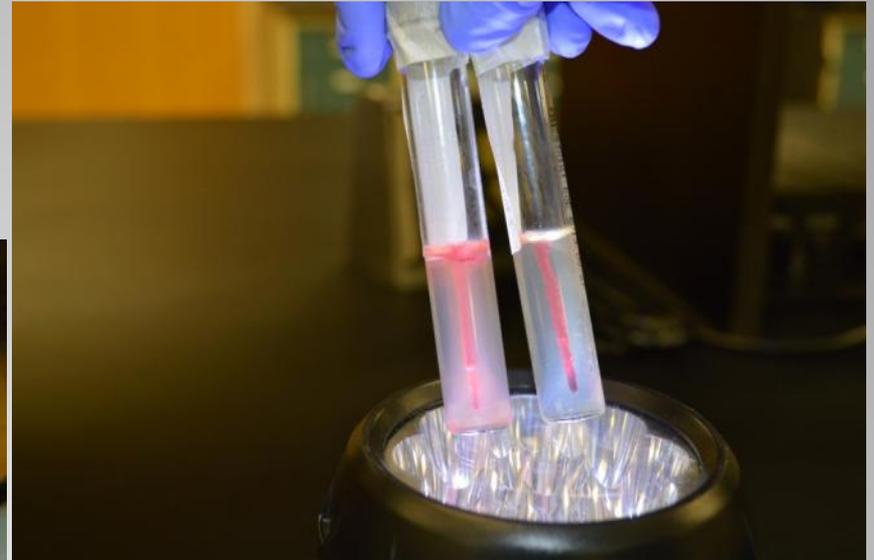
- Marsha Moler, Lab Director
- Janine Yost, Microbiology Supervisor
- Manda Nwokorie, Med Lab Tech ** July 2013
- Sarah Redd, Administrative Associate
- Elizabeth Cantu- Microbiologist **NEW

Personnel

– **October 2013**

- Controls replaced on mechanical systems
- Included HVAC equipment
- Rebalanced entire lab space, BSL2 and BSL3 labs
- Recertified all BSC
- Re-verified all systems including power failure scenarios
- Project took three weeks, with lab out of service for one week.

Facility updates



HPP Training

- } **Four Pack and Ship trainings**
- } **Two wet workshops**



- } Challenges, , , , , , ,
- } Staff need more on demand options
- } Hospital staff can't attend on site classes
- } Staff needs for shipping are usually urgent

HPP training



Samples Tested

ID	Organism	Submitting Entity	Test Performed	# specimens tested	# specimens positive	Ok by QA?	
18JAN13 BA	B. anthracis	Sentinel Lab	PCR and culture	1	0	Yes	
08FEB13 BA	B. anthracis	Sentinel Lab	PCR and culture	1	0	Yes	
31MAY13 RIC	Multi-agent	Law Enforcement	PCR, TRF and culture	2	0	Yes	
06JUN13 RIC	Multi-agent	Law Enforcement	PCR, TRF and culture	3	0	Yes	
28AUG13 BA	B. anthracis	Sentinel Lab	PCR and culture	1	0	Yes	
06SEP13BA	B. anthracis	Sentinel Lab	PCR and culture	1	0	Yes	
23OCT13BA	B. anthracis	Sentinel Lab	PCR and culture	1	0	Yes	
21NOV13BA	B. anthracis	Sentinel Lab	PCR and culture	1	0	Yes	

Samples tested 2013

- May and June 2013
- Ricin Investigation

Interesting Cases

May 31, 2013 – First set of samples received, ran Ricin PCR and TRF

Date Reported	Sample	PCR Ricin	TRF
June 01, 2013	31MAY13-swab 1	RG1 none detected RG2 non detected	Nonreactive
June 01, 2013	31MAY13-Swab 2	RG1 none detected RG2 CT 38.8	Nonreactive

**Interesting Cases-
Ricin Investigation**

June 03, 2013, after conferring with DSHS Austin and CDC, ran unknown environmental PCR panel, set up culture plates

Date Reported	Sample	PCR_UNK ENV PANEL (except Ricin)	Culture (held for 5 days)
June 03, 2013-PCR	31MAY13-swab 1	All markers negative	No Growth
June 13, 2013- final			
	31MAY13-Swab 2	All markers negative	No Growth

Ricin Investigation

– **June 05, 2013 received three more samples, Full unknown environmental panel, set up Culture**

Date	Sample	PCR_UNK ENV PANEL	TRF	Culture
June 05, 2013- preliminary	Swab 1	Negative all markers	Non reactive	No growth
June 13, 2013- final				
	Swab 2	Negative all markers	Non Reactive	No BT agents isolated
	Swab 3	Negative all markers	Non reactive	No growth

Ricin Investigation

– **06/06/2013: FBI Tech called,
Concerned about matrix effects:**

Jun 06, 2013 (retest swabs from 6/5 with a dilution, <u>full</u> Ricin panel)	PCR Ricin Undiluted	PCR Ricin 1:10 dilution	Reported
Swab 1	RG1 Undetected	RG1 Undetected	No Ricin communis detected by RT PCR
	RG2 Undetected	RG2 Undetected	
	16S 29.2	16S 32.1	
Swab 2	RG1 Undetected	RG1 Undetected	No Ricin communis detected by RT PCR
	RG2 Undetected	RG2 Undetected	
	16S 29.5	16S 31.7	
Swab 3	RG1 Undetected	RG1 Undetected	No Ricin communis detected by RT PCR
	RG2 Undetected	RG2 Undetected	
	16S 29.1	16S 31.5	

Ricin Investigation

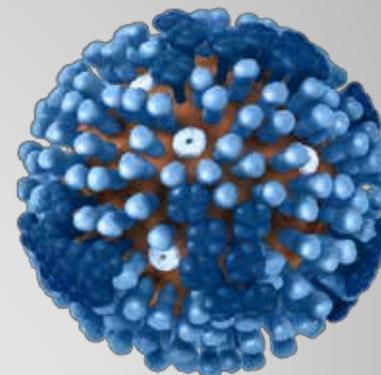
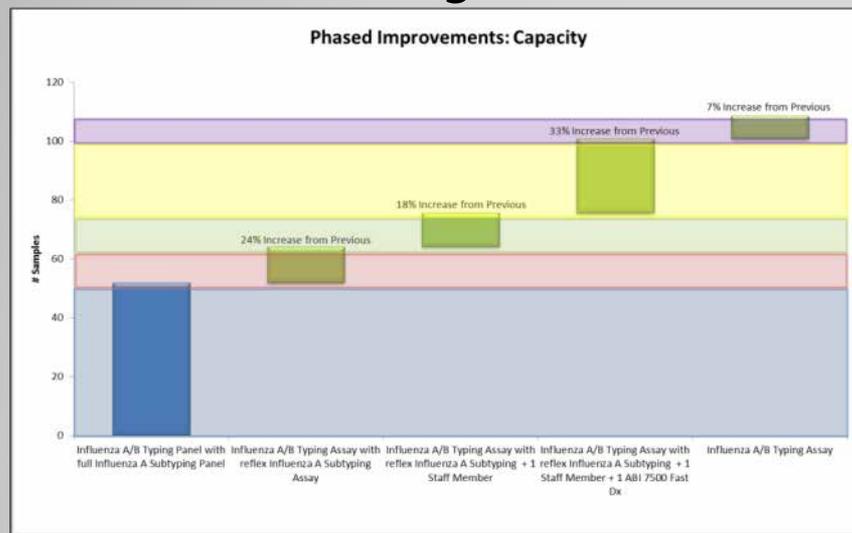
- Run entire unknown environmental panel on all samples.
- Run 1:10 dilution with unknown environmental samples to check for matrix effects

Lessons learned.....

- **CLIA March 2013**
- **DSAT November 2013**

Inspections

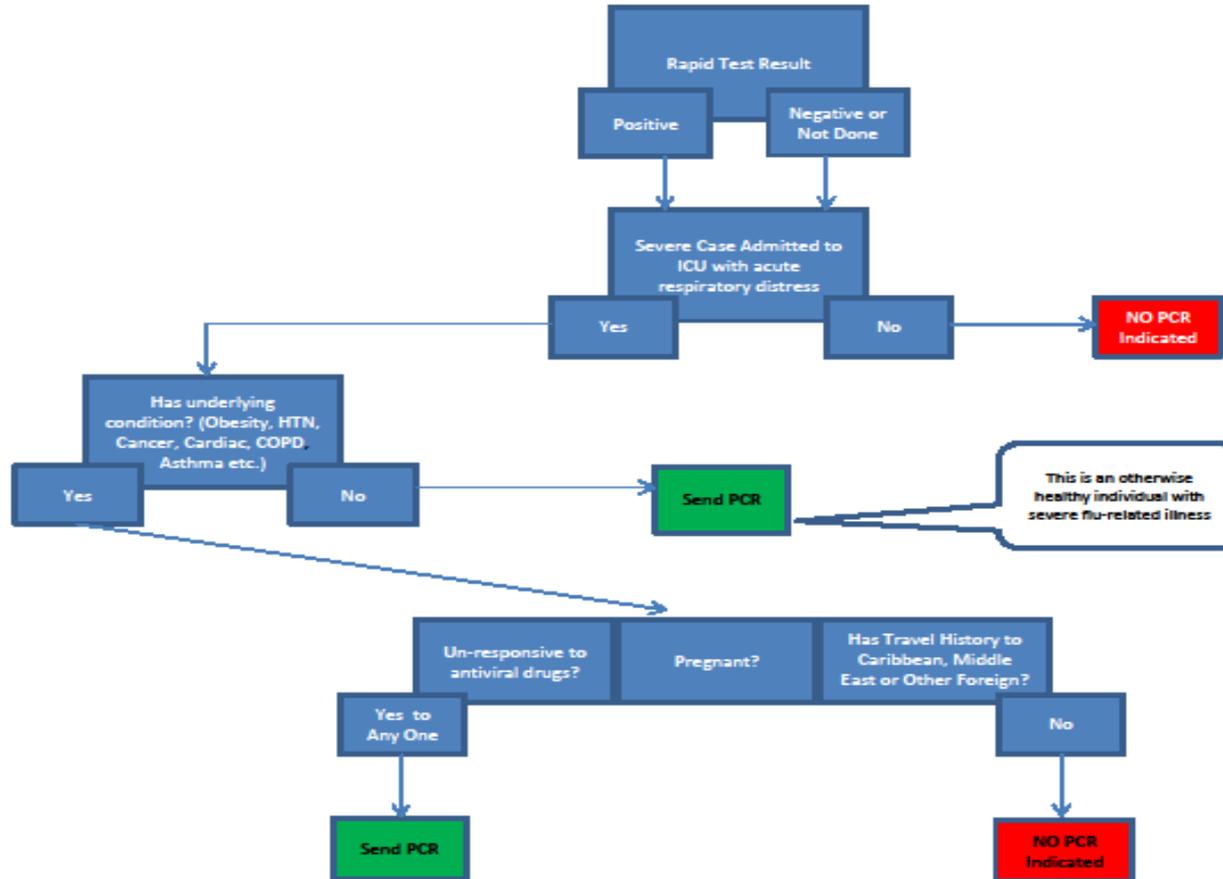
- Right size surveillance- new submitters
- Expected about 8 samples per week for surveillance
- Received up to 50 samples per week
- Three facility outbreak investigations



2013-2014 Flu Season

Submission Criteria

PUBLIC HEALTH LABORATORY CONFIRMATION OF HOSPITAL INFLUENZA CASES



Submit Specimens for all flu cases involving death of a patient OR if there is evidence to show that the patient WAS vaccinated this season

- Region wide drill planned for next year-
- Table top exercise this April
- Training session this fall
- Full scale exercise next year

The future...



– Questions??

Public Health Lab of East Texas