

## CAPABILITY: PUBLIC HEALTH LABORATORY TESTING BUDGET

Program Category Summary		CDC-PHEP Base	CDC-PHEP Level 1
Salary	\$ 738,523	\$ 481,754	\$ 256,769
Fringe	\$ 239,008	\$ 149,139	\$ 89,869
Indirect	\$ 233,628	\$ 150,782	\$ 82,846
Supplies	\$ 556,340	\$ 343,737	\$ 212,603
Travel	\$ 64,546	\$ 37,413	\$ 27,133
Equipment	\$ -	\$ -	\$ -
Contractual	\$ 915,267	\$ 913,203	\$ 2,064
Other	\$ 1,372,262	\$ 999,797	\$ 372,465
Collocated	\$ -	\$ -	\$ -
Direct Assistance	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>\$ 4,119,574</b>	<b>\$ 3,075,825</b>	<b>\$ 1,043,749</b>

POSITION COSTS				
Number of Staff	Salary	Fringe	Indirect	Collocated
FTEs: 14	\$ 664,523.00	\$ 232,583.00	\$ 214,407.00	\$ -
OPS: 1	\$ 26,000	\$ 377	\$ 6,304	\$ -
Contractual:	\$ -	\$ -	\$ -	\$ -
Direct Assistance:	\$ -	\$ -	\$ -	\$ -
On Call:	\$ 48,000	\$ 6,048	\$ 12,917	\$ -
<b>Total:</b>	<b>\$ 738,523</b>	<b>\$ 239,008</b>	<b>\$ 233,628</b>	<b>\$ -</b>

Number of Staff	Psn Supply Allowance	Psn Travel Allowance	Other: printing, phone, VPN, Air Card	Cost Contractual - PF Fees
FTEs: 14	\$ 4,200	\$ 7,000	\$ 21,244	\$ 4,816
OPS: 1	\$ 300	\$ -	\$ 200	\$ 120
Contractual:	\$ -	\$ -	\$ -	\$ -
Direct Assistance:	\$ -	\$ -	\$ -	\$ -
<b>Total:</b>	<b>\$ 4,500</b>	<b>\$ 7,000</b>	<b>\$ 21,444</b>	<b>\$ 4,936</b>

## PUBLIC HEALTH LABORATORY TESTING - Activity 1

### Funding Type: PHEP

**Activity:**

Public health laboratory staff will conduct exercises/drills, attend meetings and conference calls (with sentinel hospital laboratories, first responders, and other laboratory stakeholders) and update plans to sustain and enhance the laboratory partner network.

**Outputs:**

1) Chemical threat exercise and AAR; 2) Updated Comprehensive Laboratory Response Plan; 3) Updated sentinel lab database; 4) Updated internal stakeholder communication plan; 5) Updated laboratory COOP plan; 6) Communication drill results with hospital sentinel labs; 7) Partnerships with multi-agency stakeholders that promote coordination.

**Section Manager:**

Mary Ritchie

**Activity Description:**

The laboratory will continue to engage local, state and federal partners on a regular basis through meetings, conference calls, workshops, and/or exercises for the purpose of managing and coordinating information and data exchange with the network of human, food, veterinary and environmental testing laboratories. This activity also includes maintaining current contact information for stakeholders.

**Gap:**

*Is this Activity (and its Outputs) filling a capability gap or sustaining existing capability?*

The outputs included in this activity will sustain information and data exchange with partner laboratories and laboratory networks within the jurisdiction and nationally. The following resource elements are maintained: written plans for interaction with network laboratories and for continuity of operations; staff understanding of current national policy and practice; staff capable of coordinating training and outreach to sentinel hospital laboratories and first responders; a current database.

**Grant Language:**

*Is this Activity a grant requirement? If so, please provide section and page number from grant guidance.*

No

**Historical Background:**

*Have we funded this activity in the past? If so, how did we fund it or fill the gap?*

This activity has been funded for the travel associated with attending the LRN National Meeting. There is no LRN National meeting scheduled for the 16/17 cooperative agreement year. Therefore, for 16/17 this is an unfunded activity.

*How has this Activity been operationalized in the past year?*

In the past year a 2015 Chemical Threat Emergency Exercise was conducted with subsequent AAR and IP completed; 2015 CLRP Version 13 was completed and distributed; contact information in sentinel laboratory database was updated on a regular basis; internal stakeholder communication plan and laboratory COOP plan were updated; communications drill with sentinel hospital laboratories was conducted; advanced capacity hospital laboratory conference calls were conducted; multi-agency conference calls conducted quarterly; and public health laboratory staff attended the 2015 LRN National Meeting.

**Impact:**

*What are the implications if this Activity is not funded? (include positive outcomes and negative consequences)*

This is an unfunded activity for 16/17.

*Are there alternate solutions to filling this gap?*

No. These outreach activities are vital to sustaining stakeholder relationships.

## PUBLIC HEALTH LABORATORY TESTING - Activity 2

### Funding Type: PHEP

**Activity:**

Laboratory staff will renew contract with Safe-T-Pak to train sentinel hospital laboratory personnel and Department staff on International Air Transportation Association (IATA) and US Department of Transportation rules and regulations for Division 6.2 Infectious Substances packaging and shipping, as well as continue other sentinel laboratory training efforts.

**Outputs:**

1) Sentinel hospital laboratory training in LRN protocols, packaging and shipping, and CAP LPX; 2) Recertification of BPHL representative in 49CFR/IATA regulations for shipping dangerous goods; 3) Updated internal sample management and referral plan; 4) Updated chain of custody plan; 5) Quarterly LabLink newsletter to stakeholders.

**Section Manager:**

Mary Ritchie

**Activity Description:**

The laboratory will continue to provide sentinel hospital laboratory personnel and in-house staff training in the International Air Transport Association (IATA) and U.S. Department of Transportation (DOT) rules and regulations, and in LRN-established protocols and procedures related to sample collection, handling, packaging, processing, transport, receipt storage, retrieval and disposal. The following training is included in this activity: Sentinel Laboratory LRN classes, CAP LPX for Sentinel Laboratories, packaging and shipping classes.

**Gap:** *Is this Activity (and its Outputs) filling a capability gap or sustaining existing capability?*

The outputs in this activity will sustain sample management by training to established IATA, DOT and laboratory-specific protocols for handling, packaging and transporting samples; by maintaining chain of custody throughout the sample-management process; maintaining written plans related to sample management; maintaining appropriate regulatory requirements; maintaining the ability to advise partners on the proper collection, packaging, labeling, shipping, and chain of custody procedures; and maintaining documentation for all in-house safety training.

**Grant Language:** *Is this Activity a grant requirement? If so, please provide section and page number from grant guidance.*

This is a grant required activity. Page 7 of CDC-RFA-TP12-120103CONT15, second paragraph referencing CDC-RFA-TP12-120103CONT14 for prior guidance. In CONT14, 2014 Checklist of Requirements for Laboratory Response Network-B Standard Level Reference Laboratories, page 74, section II, #1 and #2. In CDC-RFA-TP12-120103CONT15, pages 15 & 16, sections 5 & 7 and page 17, first paragraph.

**Historical Background:** *Have we funded this activity in the past? If so, how did we fund it or fill the gap?*

Yes. This activity has been funded through PHEP for several years to sustain the BPHL bioterrorism defense training program.

*How has this Activity been operationalized in the past year?*

In the past year, over 500 participants were trained in packaging and shipping Division 6.2 Infectious Substances; approximately 90 sentinel hospital laboratories participated in the CAP Laboratory Preparedness Exercise (LPX); 7 sentinel laboratory LRN classes were conducted to teach participants how to rule-out and refer suspicious agents to the LRN public health reference labs; the in house sample management and chain of custody plans were reviewed and updated, and the LabLink newsletter was published quarterly.

**Impact:** *What are the implications if this Activity is not funded? (include positive outcomes and negative consequences)*

Because of this activity Sentinel hospital laboratorians are better able to determine when to refer a potential bioterrorism agent to the public health LRN reference labs and how to safely and correctly package and ship the sample. BPHL representatives attend this training and interact with sentinel laboratory staff, answering technical questions. Select BPHL staff are certified in 49CFR/IATA rules and regulations and can provide consultation to sentinel laboratory partners when needed, as occurred during the 2014 Ebola event. If unfunded, laboratorians would be uncertain when to stop work on a potential bioterrorism sample and refer it to the LRN reference lab, potentially causing undue exposure to hospital laboratory staff. They would also lack the knowledge/certification to package and ship the sample using prescribed protocols; and the BPHL staff, as well as other DOH staff, would not have the knowledge and expertise to provide packaging and shipping consultation and assistance when needed.

*Are there alternate solutions to filling this gap?*

**BUDGET- Activity 2**

Category	Description	Quantity	Price per Unit	Total Amount	CDC-PHEP	ASPR-HPP
Supplies	Sentinel Laboratory LRN training supplies: binders, copy paper, toner, binding combs	1	\$ 4,500	\$ 4,500	\$ 4,500	
Travel	Travel for Sentinel Laboratory LRN Training. Attendance for one at 49CFR/IATA Hazardous Materials Training; travel for Sentinel Laboratory LRN training; travel for packaging and shipping training	1	\$ 7,300	\$ 7,300	\$ 7,300	
Contractual	Packaging and Shipping Training (20 classes). Selection Type: Bid; Contract Type: Commercial; Company Name: Safe-T-Pak; Program Area Support: Maintain Capabilities of Sentinel Laboratories (CC00001); Contract Period (Date)- March 2016 through June 2016; Accountability (Quarterly Report)- Lab personnel will attend classes to assess performance-site visits; Description: Train laboratorians in IATA and DOT rules and regulations for packaging and shipping Category A and B infectious substances	1	\$ 60,000	\$ 60,000	\$ 60,000	
Other	College of American Pathologists Laboratory Preparedness Exercise (PT/Survey) subscriptions. 80 subscriptions for sentinel hospital laboratories at \$305 each	1	\$ 24,400	\$ 24,400	\$ 24,400	
<b>Total</b>				\$ 96,200	\$ 96,200	

## PUBLIC HEALTH LABORATORY TESTING - Activity 3

### Funding Type: PHEP

**Activity:**

Laboratory staff will conduct reference level LRN testing on environmental and clinical samples, update plans, provide training, conduct drills, and secure contracts (to maintain and secure systems and facilities) to sustain routine and surge capacity testing in accordance with CDC protocols and procedures.

**Outputs:**

1) Updated reagents/supplies and surge plans; 2) Updated preventive maintenance plan; 3) Annual training including safety, BSL-3, and select agent 4) BT face-to-face workshop; 6) CDC/Epi/Lab 24/7 bidirectional emergency drill initiated by CDC; 5) Quarterly LRN proficiency tests sponsored by CDC; 6) Agreements for maintenance/service, security guard services and electronic security and surveillance monitoring; 7) procurement of necessary reagents and supplies

**Section Manager:**

Mary Ritchie

**Activity Description:**

The laboratory will continue to perform and/or coordinate routine and surge capacity LRN-B reference level testing in accordance with CDC established protocols and procedures.

**Gap:** *Is this Activity (and its Outputs) filling a capability gap or sustaining existing capability?*

This deliverable will sustain the ability to conduct testing and analysis for routine and surge capacity LRN- B reference level testing in clinical, food, and environmental samples using rapid and conventional methods by maintaining competency in LRN-B methods; providing relevant safety and methods training; maintaining appropriate instrumentation, BSL-3 laboratories, and testing supplies and reagents; attending training workshops; and maintaining in-house plans associated with testing including surge and instrument preventative maintenance contracts.

**Grant Language:** *Is this Activity a grant requirement? If so, please provide section and page number from grant guidance.*

Yes. This is a grant required activity. CDC-RFA-TP12-120103CONT15, pages 15 & 16, sections #5 - #7; page 32, section PHEP PAHPRA3. Also, page 7, second paragraph referencing CDC-RFA-TP12-120103CONT14 for prior guidance. In CONT14, 2014 Checklist of Requirements for Laboratory Response Network-B Standard Level Reference Laboratories, pages 74 & 75.

**Historical Background:** *Have we funded this activity in the past? If so, how did we fund it or fill the gap?*

Yes, this activity has remained fully funded through PHEP.

*How has this Activity been operationalized in the past year?*

Each BPHL LRN reference lab maintained blanket POs with on-demand couriers for pick up and delivery of Category A and B specimens and samples; new security contracts were established for the Miami, Tampa and Jacksonville Laboratories; maintenance service agreements were purchased for instruments used in LRN methods and protocols; annual safety, BLS-3, and select agent training was conducted; reagents and supplies were procured as needed; BT participated in a full-scale exercise; BT face-to-face workshop was conducted at the Jacksonville lab; Reagents/Supplies, Surge, and Preventative Maintenance Plans were updated; participated in CDC-sponsored LRN-B proficiency tests; completed MALDI-TOF training; successfully participated in the CDC initiated CDC/Epi/Lab 24/7 bidirectional emergency contact drill; maintained capability to perform conventional and rapid LRN-B reference level validated testing at the Jacksonville, Tampa and Miami Laboratories and gained Ebola testing capability.

**Impact:** *What are the implications if this Activity is not funded? (include positive outcomes and negative consequences)*

If this activity is not funded, the BPHL will be unable to meet most of the requirements for the LRN-B Standard Level Reference Laboratories and will be unable to offer conventional or rapid LRN-B reference level validated testing. The BPHL is able to fund very little, if any, of the testing reagents, supplies, maintenance agreements, equipment repairs, BSC certification, and BSL-3 laboratory maintenance necessary for conducting LRN-B testing. The negative consequences would mean a reversal of the Florida's preparedness efforts in testing for potential bioterrorism agents in either clinical or environmental samples, and also the severe reduction in or inability to gain timely testing capability for emerging infectious diseases such as Ebola.

*Are there alternate solutions to filling this gap?*

There is the potential for other states to provide emergency testing, but this is neither practical nor realistic for a routine basis.

**BUDGET-Activity 3**

Category	Description	Quantity	Price per Unit	Total Amount	CDC-PHEP	ASPR-HPP
Supplies	Biological testing reagents and supplies	1	\$ 182,596	\$ 182,596	\$ 182,596	
Contractual	Security guards for the Jacksonville Laboratory. Selection Type: State Term Contract; Contract Type: Commercial; Company Name: Dynamic Security; Program Area Support: Security Guard Services and Electronic Surveillance Systems CC00007; Contract Period (Date)- July 1, 2016 through June 30, 2017; Accountability (Quarterly Report)- Site visits and monthly meetings with company management; Description: Unarmed security guard service for facility access control and oversight	1	\$ 145,264	\$ 145,264	\$ 145,264	
Contractual	Security guards for the Tampa Laboratory. Selection Type: State Term Contract; Contract Type: Commercial; Company Name: Universal Protection; Program Area Support: Security Guard Services and Electronic Surveillance Systems CC00007; Contract Period (Date)- July 1, 2016 through June 30, 2017; Accountability (Quarterly Report)- Site visits and monthly meetings with company management; Description: Unarmed security guard service for facility access control and oversight	1	\$ 75,363	\$ 75,363	\$ 75,363	
Contractual	Security guards for the Miami Laboratory. Selection Type: State Term Contract; Contract Type: Commercial; Company Name: Allied Barton; Program Area Support: Security Guard Services and Electronic Surveillance Systems CC00007; Contract Period (Date) July 1, 2016 through June 30, 2017; Accountability (Quarterly Report)- Site visits and monthly meetings with company management; Description: Unarmed security guard service for facility access control and oversight	1	\$ 184,144	\$ 184,144	\$ 184,144	
Contractual	Electronic Surveillance for the Jacksonville, Tampa and Miami Laboratories	1	\$ 6,360	\$ 6,360	\$ 6,360	
Other	Monthly maintenance of electronic security surveillance and monitoring system for Tampa Laboratory	1	\$ 18,000	\$ 18,000	\$ 18,000	
Other	Support and repairs for monitored electronic security and surveillance systems at the Jacksonville, Miami and Tampa Laboratories including parts not covered by service agreements	1	\$ 25,000	\$ 25,000	\$ 25,000	
Other	Service agreements for biological testing instruments and miscellaneous repairs	1	\$ 505,577	\$ 505,577	\$ 505,577	
Other	On-demand courier services for transport of highly important samples. \$3,000 per lab. FedEx and World Courier	1	\$ 9,000	\$ 9,000	\$ 9,000	
Travel	LRN Rapid Methods Training. 2 BT coordinators/4 night trip	1	\$ 2,808	\$ 2,808	\$ 2,808	
Travel	LRN Conventional Methods Training. 3 BT coordinators/5 night trip	1	\$ 4,755	\$ 4,755	\$ 4,755	
Travel	BSL-3 Training in Jacksonville. 1 BT coordinator/4 night trip	1	\$ 1,444	\$ 1,444	\$ 1,444	
Travel	Annual BT Coordinator Face-to-Face Workshop. 4 travelers/ 1 night trip	1	\$ 3,308	\$ 3,308	\$ 3,308	
<b>Total</b>				\$ 1,163,619	\$ 1,163,619	

**PUBLIC HEALTH LABORATORY TESTING - Activity 4**  
**Funding Type: PHEP**

**Activity:**

Laboratory staff will conduct training for public health laboratory staff and purchase supplies to sustain Florida's ability to rapidly detect and confirm emerging infectious diseases such as exotic strains of influenza virus.

**Outputs:**

1) Certified ABI 7500 Fast DX instruments; 2) Maintenance/service agreements procured for instruments; 3) Training on influenza testing; and 4) Procurement of laboratory supplies and reagents

**Section Manager:**

Mary Ritchie

**Activity Description:**

The laboratory will continue to provide rapid detection and confirmation testing for novel influenza viruses and other emerging viruses.

**Gap:**

*Is this Activity (and its Outputs) filling a capability gap or sustaining existing capability?*

This activity will sustain current capabilities by providing LRN-B reference-level influenza testing in clinical specimens. This will be accomplished through the following resource elements: maintaining competency in LRN-B and other approved CDC testing methods; providing relevant safety and methods training; maintaining appropriate instrumentation and testing supplies and reagents; attending training workshops; and maintaining in-house plans associated with testing including surge and instrument preventative maintenance contracts. This deliverable addresses emerging infectious disease preparedness which is part of the 2014 requirements checklist for LRN Standard Reference Laboratories included in the BP3 FOA.

**Grant Language:**

*Is this Activity a grant requirement? If so, please provide section and page number from grant guidance.*

Yes. CDC-RFA-TP12-120103CONT14 , 2014 Checklist of Requirements for Laboratory Response Network-B Standard Level Reference Laboratories, pages 74 & 75.

**Historical Background:**

*Have we funded this activity in the past? If so, how did we fund it or fill the gap?*

Yes. This activity has been funded through the PHEP cooperative agreement since the termination of the Pan Flu grant.

*How has this Activity been operationalized in the past year?*

Yes. In the past year the ABI 7500 Fast DX instruments were recertified and maintenance/service agreements were procured for instruments utilized in influenza virus testing. Ongoing training was performed with public health laboratory personnel in accessioning and testing. Necessary reagents and supplies were procured, and influenza proficiency tests were completed.

**Impact:**

*What are the implications if this Activity is not funded? (include positive outcomes and negative consequences)*

If this activity is not funded, the capability to respond to emerging or re-emerging viruses would be significantly reduced. The BPHL was able to respond adequately to the 2009 H1N1 event due to personnel, equipment, and reagent/supplies procured with Pan Flu funding. Subsequent novel influenza and other emerging viruses detection capability has been facilitated, if not made entirely possible, by the PHEP funding.

*Are there alternate solutions to filling this gap?*

There is the potential for other states to provide testing, but this is neither practical nor realistic on a routine basis. Also, during a national or large emerging infectious disease event, states would most likely lack the capacity or find it difficult to add workload from another state.

**BUDGET-Activity 4**

Category	Description	Quantity	Price per Unit	Total Amount	CDC-PHEP	ASPR-HPP
Supplies	Influenza testing reagents and consumables	1		\$ 147,995	\$ 147,995	
Other	Shipping for influenza samples	1		\$ 6,000	\$ 6,000	
Other	Service agreements for influenza testing instruments and miscellaneous repairs	1		\$ 279,500	\$ 279,500	
Total				\$ 433,495	\$ 433,495	

**PUBLIC HEALTH LABORATORY TESTING - Activity 5**  
**Funding Type: PHEP Level 1**

**Activity:**

Laboratory staff will conduct tests, update database, provided training for public health laboratory staff as well as county health department and hospital staff, conduct exercises/drills and attend workshops and meetings to sustain Florida's LRN Level 1 Chemical Threat (CT) laboratory testing capacity.

**Outputs:**

1) Successful completion of required LRN-C method proficiency tests; 2) Updated Chemical Threat portion of Sentinel Laboratory database; 3) CT training classes/workshops and exercises; 4) Participation in CDC sponsored LRN-C emergency response exercises; 5) Attendance at semi-annual surge capacity meeting; 6) Participation in CDC-initiated CDC/Epi/Lab 24/7 bidirectional emergency phone drill; 7) Participation in CDC specimen collection, packaging and shipping (SCPaS) exercise; 8) Participation in BPHL bimonthly packaging and shipping exercises.

**Section Manager:**

Mary Ritchie

**Activity Description:**

The laboratory will continue to perform and/or coordinate routine and surge capacity LRN-C Level 1 testing for chemical threat agents in accordance with CDC established protocols and procedures. Level 1 testing capability includes Level 1 and Level 2 testing protocols plus the training requirements of Level 3.

**Gap:**

*Is this Activity (and its Outputs) filling a capability gap or sustaining existing capability?*

This activity will sustain the capability to conduct testing and analysis for routine and surge capacity by maintaining the ability to detect chemical threat agents using LRN-C standardized protocols as a Level 1 surge capacity laboratory for the CDC. This will be accomplished through the following resource elements: by maintaining competency in the 9 required LRN-C core methods and the 4 LRN-C additional methods; providing relevant safety and methods training; maintaining appropriate instrumentation and testing supplies and reagents; attending training workshops and the CDC-sponsored LRN-C Level 1 surge capacity meeting; and maintaining SOPs.

**Grant Language:**

*Is this Activity a grant requirement? If so, please provide section and page number from grant guidance.*

Yes. This is a grant-required activity. CDC-RFA-TP12-120103CONT15, pages 15 & 16, sections #5 - #7; pages 33 & 34, section PHEP PAHPRA4. Level 1 Chemical Laboratory Component of the PHEP Grant.

**Historical Background:**

*Have we funded this activity in the past? If so, how did we fund it or fill the gap?*

Yes, this activity has remained fully funded through PHEP.

*How has this Activity been operationalized in the past year?*

In the past year, the Chemical Threat testing program successfully completed all required LRN-C proficiency tests for core and additional analysis methods; procured maintenance/service agreements for instruments; conducted 10 classes each of "Chemical Threat Awareness" and "Collecting Clinical Samples after a Chemical Terrorism Event" training 150 participants; updated the CT portion of the Sentinel Laboratory database to reflect the training classes; completed 6 bimonthly Level 3 CT packaging and shipping exercises between the BPHL laboratories; completed the required CDC-sponsored Specimen Collection, Packaging and Shipping Exercise (SCPaS); successfully participated in the CDC/Epi/Lab 24/7 emergency contact phone drill; conducted/attended the CT Face-to-Face training workshop at the Jacksonville laboratory; successfully completed the CDC-sponsored LRN-C Emergency Response Exercise; participated in the CDC-sponsored surge capacity exercise testing 500 samples in 36 hours.

**Impact:**

*What are the implications if this Activity is not funded? (include positive outcomes and negative consequences)*

This activity is funded through a specific Level 1 Lab PHEP budget allocation. However, if this activity were unfunded, the State of Florida would be unable to maintain its Level 1 Chemical Threat Testing status and as such would no longer serve as a surge capacity laboratory for the CDC and, more importantly for Florida, would be unable to process specimens suspected of chemical threat agents or toxins such as ricin or mercury. The BPHL is fiscally unable to maintain this program at any level without PHEP funding.

*Are there alternate solutions to filling this gap?*

BUDGET-Activity 5						
Category	Description	Quantity	Price per Unit	Total Amount	CDC-PHEP	CDC-PHEP /Level1
Supplies	Chemical threat testing reagents and consumables, plus dry ice, specimen shipping containers, shipping boxes and PPE	1	\$210,803	\$ 210,803	\$ -	\$ 210,803
Other	Shipping for CT samples	1	\$5,000	\$ 5,000	\$ -	\$ 5,000
Other	CT Proficiency Testing	1	\$10,200	\$ 10,200	\$ -	\$ 10,200
Other	Service agreements for chemical testing instruments and miscellaneous repairs	1	\$343,265	\$ 343,265	\$ -	\$ 343,265
Other	Printing of CT preparedness brochures, Level 3 CT posters, binder inserts, and protocol cards for blood and urine	1	\$4,484.00	\$ 4,484	\$ -	\$ 4,484
Travel	CT Level 3 training of hospitals and county health departments and attendance at CT surge meetings and national training	1	\$24,133	\$ 24,133	\$ -	\$ 24,133
Total				\$ 597,885	\$ -	\$ 597,885

**PUBLIC HEALTH LABORATORY TESTING - Activity 6**  
**Funding Type: PHEP**

**Activity:**

Laboratory staff will provide analytical, consultative and investigative support to epidemiology, first responders and other health partners to determine cause and origin of public health incidents.

**Outputs:**

1) First Responder sample collection and lab awareness classes/trainings; 2) Conduct Epi/Lab face-to-face meetings, and conference calls; 3) One-on-one consultation to first responders and other health investigation partners.

**Section Manager:**

Mary Ritchie

**Activity Description:**

The laboratory provides analytical, consultative and investigative support to epidemiology, first responders and other health partners to help determine the cause and origin of public health incidents through conference calls, face-to-face meetings with epidemiology, first responder sample collection training, maintaining membership in the LRN-B/C, other micro and virology support testing, and one-on-one consultation.

**Gap:** *Is this Activity (and its Outputs) filling a capability gap or sustaining existing capability?*

This deliverable will sustain the ability to support public health investigations by providing analytical support for investigations with first responders and other health investigation partners; by providing consultation and technical assistance regarding sample collection, management and safety; by participating with Epi in the CDC/Epi/Laboratory 24/7 phone drill; and by maintaining stakeholder interaction and communications-sharing in-house plans.

**Grant Language:** *Is this Activity a grant requirement? If so, please provide section and page number from grant guidance.*

No.

**Historical Background:** *Have we funded this activity in the past? If so, how did we fund it or fill the gap?*

Yes, this activity has remained funded through PHEP.

*How has this Activity been operationalized in the past year?*

In the past year, 26 first responder sample collection training classes were conducted with over 400 participants representing 35 agencies/facilities attending. The course was also approved this past year as continuing education by the Florida State Fire College. A new sample collection kit was provided to first responders upon request or upon receipt of a sample at the BPHL. BPHL staff helped develop Ebola Virus Diagnostic Specimen Collection, Packaging, and Shipping Guidance for Laboratories and County Health Departments and the guidance for Point of Care Testing for Patients Suspected of Ebola Virus Disease or Confirmed Ebola Virus Disease. The laboratory worked with the state's Ebola ICT to help coordinate the distribution of Category A shipping supplies to county health departments for the use of hospitals in the event of a suspect Ebola case. BT coordinators and trainers assisted hospital laboratory personnel with packaging and shipping related questions as well as sample referral. BPHL staff regularly participated in Epi's Biweekly Call. BPHL staff is currently working with Epi to coordinate and plan an Epi/Lab face-to-face meeting to discuss coordination and plan for more effective interaction during the next public health emergency.

**Impact:** *What are the implications if this Activity is not funded? (include positive outcomes and negative consequences)*

This ongoing activity has been crucial to the BPHL receiving properly contained and decontaminated environmental samples from first responders. Not only does proper sample collection and decontamination ensure the safety of the first responder collecting the sample, but also provides for the safety of the laboratory staff receiving the sample and performing the analysis. Because of turnover in first responder agencies, if this activity is unfunded, the collection of environmental samples in a safe manner would likely be reduced increasing potential risk to first responders collecting the sample as well as the laboratory staff receiving the sample.

*Are there alternate solutions to filling this gap?*

Unlikely since no other agency in FL is able to provide sample collection training to meet the requirements of the BPHL-LRN labs

**BUDGET- Activity 6**

Category	Description	Quantity	Price per Unit	Total Amount	CDC-PHEP	ASPR-HPP
Supplies	First Responder Sample Collection Training supplies: sampling swabs, field test kits for demonstration, sample containers, reference materials	1	\$5,946	\$ 5,946	\$ 5,946	
Travel	Travel to conduct first responder training	1	\$ 4,875.00	\$ 4,875	\$ 4,875	
Travel	Travel for one Epi/Lab face-to-face meeting	1	\$3,368	\$ 3,368	\$ 3,368	
Total				\$ 14,189	\$ 14,189	

## PUBLIC HEALTH LABORATORY TESTING - Activity 7

### Funding Type: PHEP

**Activity:**

Laboratory staff will secure contracts with Uber and LabWare Inc. to maintain and develop laboratory data notification systems and processes for data submitters and other key partners (e.g. CDC).

**Outputs:**

1) LabWare LIMS version 7 upgrade with related enhancements; 2) Phase 2 (test ordering) of WebLIMS web portal; 3) Maintenance and repairs of existing LabWare system; 4) updated BT Sentinel Laboratory Database programming; 5) Attendance at LabWare LIMS Education Workshop;

**Section Manager:**

Mary Ritchie

**Activity Description:**

The laboratory provides timely notification of results and sends data to submitters and other key partners, including the CDC, as permitted by applicable laws, rules, and regulations. The LabWare LIMS system will be updated from v6 to v7 with accompanying modifications and Phase 2 (test ordering) of the WebLIMS web portal will be completed.

**Gap:**

*Is this Activity (and its Outputs) filling a capability gap or sustaining existing capability?*

The laboratory provides notification of presumptive and/or confirmed laboratory results from clinical, food, or environmental samples that involve a chemical or biological threat agent to appropriate public health, public safety, and law enforcement officials within 1 hour of testing completion. Presumptive and confirmed chemical or biological laboratory results are also sent to the CDC. This is accomplished through the following resource elements: maintaining the in-house communications-sharing and reporting security plans; completing LabWare LIMS modifications and ongoing maintenance; maintaining electronic results reporting to the LRN- and completing results reporting to the LRN-C.

**Grant Language:**

*Is this Activity a grant requirement? If so, please provide section and page number from grant guidance.*

No.

**Historical Background:**

*Have we funded this activity in the past? If so, how did we fund it or fill the gap?*

Yes, this activity has been funded through PHEP.

*How has this Activity been operationalized in the past year?*

In the past year, the LabWare LIMS CT module was completed, and the CT instruments are being interfaced with LabWare. This allows for storing test data and generating reports for the LRN-C program. Completed the conversion to ICD-10 coding as required by HHS. Upgraded our HL7 capability to HL7 v2.5.1 for results reporting and to HL7 v2.6.1 for ordering. Added clinically relevant information to our electronic ordering messages, such as travel history, symptoms, and date of onset. Reached testing phase of adding outbreak management module to LabWare LIMS which will make it possible for BPHL staff to keep track of ongoing outbreaks identified by Epi and to record all tests received related to each outbreak. Phase I of the WebLIMS webportal is being developed allowing for submitters without HL7 messaging capability to obtain results online. In the past year, the data integration team has been developing interfaces between LabWare LIMS and DOH program areas allowing for electronic lab ordering and results reporting. The data integration team has also been working on the standardization of the ELO 2.6\_IN template which standardizes test orders regardless of the sender.

**Impact:** *What are the implications if this Activity is not funded? (include positive outcomes and negative consequences)*

The current version of LabWare LIMS is over 10 years old, making necessary modifications cumbersome, time consuming and thus expensive due to increased programming. Upgrading to version 7 will provide the newest health template and will enable Phase 2 of the WebLIMS webportal, required maintenance and repairs, and other modifications to be completed in a more timely fashion and at less cost than without the update. The completion of Phase 2 of the webportal will enable submitters without HL7 capability the ability to place electronic lab orders, in addition to the ability to look up lab results which is currently being developed in Phase I. The data integration team is critical to implementing and maintaining the flow of data between BPHL and other program areas within the DOH. DI is currently working on the standardization of ELO 2.6\_IN template which standardizes orders regardless of the sender.

The BPHL has little, if any, budget to develop and implement this proposed activity. If unfunded, the negative consequences would be as follows:

1. Our current LabWare LIMS system will continue to age making any required future modifications risk incompatibility and more expensive to implement;
2. Phase 2 of the webportal would not be completed, and BPHL would be unable to accept electronic lab orders from our non-HL7 compliant submitters/stakeholders;
3. Necessary repairs and unplanned, but necessary and important, modifications would not be completed;
4. Any ongoing needs of laboratory data exchange and interface with other programs would not be completed.

*Are there alternate solutions to filling this gap?*

No

**BUDGET-Activity 7**

Category	Description	Quantity	Price per Unit	Total Amount	CDC-PHEP	ASPR-HPP
Contractual	Programming services for the LabWare Laboratory Information Management System (LIMS) development and support.  Selection Type: Sole source; Contract Type: Commercial; Company Name: LabWare, Inc.; Program Area Support: Electronic Lab Reporting and Communication CC00008; Contract Period (Date)- July 1, 2016 through June 30, 2017; Accountability (Quarterly Report)- Site visits; Description: consulting/programming services are required to implement lab tests, changes in existing protocols, and maintenance of current system 1208 hrs/\$200 per hr.	1	\$ 241,600	\$ 241,600	\$ 241,600	
Contractual	Data Integration engineering services.  Selection Type: Bid; Contract Type: Commercial; Company Name: Uber; Program Area Support: Electronic Lab Reporting and Communication CC00008; Contract Period- July 1, 2016 through June 30, 2017; Accountability (Quarterly Report)- supervised by Department Staff; Description: The Bureau of Public Health Laboratories will purchase 2080 person hours of integration support at \$95.00 per hour.	1	\$ 197,600	\$ 197,600	\$ 197,600	
Other	LabWare LIMS maintenance and technical support	1	\$ 80,000	\$ 80,000	\$ 80,000	
Other	LabWare Data Innovations Annual Maintenance instrument interface service agreement	1	\$ 13,000	\$ 13,000	\$ 13,000	
Other	Server maintenance and license renewal	1	\$ 27,392	\$ 27,392	\$ 27,392	
Travel	Attendance at LabWare Educational Conference	1	\$ 5,555	\$ 5,555	\$ 5,555	
<b>Total</b>				\$ 565,147	\$ 565,147	