

PHEP Public Health Laboratory Testing Measures Overview

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Session Overview

- ❑ **Overview of public health laboratory testing performance measures (PM) and reporting requirements**
- ❑ **Methods for application**
- ❑ **Monitoring**
- ❑ **Questions and Answers**

Objectives

- ❑ **Describe the public health laboratory testing PMs and reporting requirements**
- ❑ **Explain the alignment of PMs to the functions**
- ❑ **Describe methods for PM implementation**
- ❑ **Understand the data monitoring strategy**

Key Points: Budget Period 11 and Budget Period 1 Lab Measures

❑ Capabilities-based performance measures (13)

- Two types of measures
 - Drills and testing currently conducted by LRN-B and LRN-C programs
 - Additional PHEP lab testing performance measures
- Some apply to biological labs only, some apply to chemical labs only, and some apply to BOTH
- Most measures require annual reporting

❑ BP1 PAHPA Benchmarks (4)

- Criteria to determine potential withholding of fiscal year 2013 funds

PAHPA Benchmarks and Potential Withholding for Fiscal 2013

Measure	Yes	No	Possible % Withholding
Did the awardee (all awardees) meet all application and reporting deadlines?			10%
Did the awardee (all awardees) demonstrate capability to receive, stage, store, distribute, and dispense material during a public health emergency?			
Did the applicable awardee demonstrate proficiency in public health laboratory testing and/or exercises for biological and chemical agents?			
Did the awardee (all awardees) meet the 2012 Pandemic Influenza Plan (Public Health Component Meets Standards)?			10%
Total Potential Withholding Percentage			20%

PHEP LRN Measures

- ❑ **PHEP 12.3: LRN Emergency Response Pop Proficiency Test (PopPT) Exercise**
 - **Measure:** Ability of PHEP-funded LRN-C Level 1 and/or Level 2 laboratories to detect and quantify biomarkers of chemical agents in clinical samples during the LRN Emergency Response Pop Proficiency Test (PopPT) Exercise
- ❑ **PHEP 12.5: Proficiency Testing (LRN-C Additional Methods)**
 - **Measure:** Proportion of LRN-C proficiency tests (additional methods) successfully passed by PHEP-funded laboratories
- ❑ **PHEP 12.6: Proficiency Testing (LRN-C Core Methods)**
 - **Measure:** Proportion of LRN-C proficiency tests (core methods) successfully passed by PHEP-funded laboratories

PHEP LRN Measures

- ❑ **PHEP 12.7: Sample Collection, Packing, and Shipping (SCPaS)**
 - **Measure:** Ability of PHEP-funded LRN-C laboratories to collect, package, and ship samples properly during an LRN exercise
- ❑ **PHEP 12.8: LRN Surge Capacity Exercise**
 - **Measure:** Ability of each PHEP-funded LRN-C Level 1 laboratory to process and report results to CDC for 500 samples during the LRN Surge Capacity Exercise
- ❑ **PHEP 12.10: Notification Drill associated with Proficiency Testing**
 - **Measure:** Ability of PHEP-funded LRN-B reference laboratory to contact the CDC Emergency Operations Center within 2 hours during LRN notification drill

PHEP LRN Measures

- **PHEP 12.11: Proficiency Testing (LRN-B)**
 - **Measure:** Proportion of LRN-B proficiency tests successfully passed by PHEP-funded laboratories

PHEP 12.1: Laboratorian Reporting

- ❑ **Measure:** Time for initial laboratorian to **report for duty** at the **PHEP-funded laboratory**

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> Annual Reporting	<input checked="" type="checkbox"/> Incident	<input checked="" type="checkbox"/> Optional
<input checked="" type="checkbox"/> Directly Funded Localities: Excludes CHI	<input type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input checked="" type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input checked="" type="checkbox"/> Planned Event	<input type="checkbox"/> Data Collected By

PHEP 12.2: 24/7 Emergency Contact Drill (Bidirectional)

- ❑ **Measure:** Time to complete **notification** between CDC, on-call laboratorian, and **on-call epidemiologist** or between CDC, on-call epidemiologist, and on-call laboratorian – depending on drill direction

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> Annual Reporting	<input type="checkbox"/> Incident	<input type="checkbox"/> Optional
<input checked="" type="checkbox"/> Directly Funded Localities: Excludes CHI	<input type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input type="checkbox"/> Planned Event	<input checked="" type="checkbox"/> Data Collected By: CDC EOC

PHEP 12.4: Notification to Partners

- ❑ **Measure:** Time for PHEP-funded laboratory to notify public health partners of **significant laboratory results**

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> Annual Reporting	<input type="checkbox"/> Incident	<input type="checkbox"/> Optional
<input checked="" type="checkbox"/> Directly Funded Localities: NYC Bio Only; Excl. CHI	<input type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input type="checkbox"/> Planned Event	<input type="checkbox"/> Data Collected By

PHEP 12.9: Communication between PHEP-funded and Sentinel Clinical Laboratories

- ❑ **Measure:** Time for **sentinel clinical laboratories** to acknowledge receipt of an **urgent message** from PHEP-funded LRN-B laboratory

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> Annual Reporting	<input checked="" type="checkbox"/> Incident	<input checked="" type="checkbox"/> Optional
<input type="checkbox"/> Directly Funded Localities	<input type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input checked="" type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input checked="" type="checkbox"/> Planned Event	<input type="checkbox"/> Data Collected By

PHEP 12.10: Notification Drill associated with Proficiency Testing

- ❑ **Measure:** Ability of PHEP-funded LRN-B reference laboratory to contact the CDC Emergency Operations Center within 2 hours during LRN notification drill

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> Annual Reporting	<input type="checkbox"/> Incident	<input type="checkbox"/> Optional
<input checked="" type="checkbox"/> Directly Funded Localities: Excludes CHI	<input type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input type="checkbox"/> Planned Event	<input checked="" type="checkbox"/> Data Collected By: CDC LRN-B Program

PHEP 12.12: Sample Quality – First Responders

- ❑ **Measure:** Percentage of LRN nonclinical samples received by the PHEP-funded LRN-B laboratory for confirmation or rule-out testing from **first responders** without any **adverse quality assurance events (QA)**

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> Annual Reporting	<input type="checkbox"/> Incident	<input type="checkbox"/> Optional
<input type="checkbox"/> Directly Funded Localities	<input type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input type="checkbox"/> Planned Event	<input type="checkbox"/> Data Collected By

PHEP 12.13: Specimen Quality – Sentinel Clinical Laboratories

- **Measure:** Percentage of LRN clinical specimens received by PHEP-funded LRN-B laboratory for confirmation or rule-out testing from sentinel clinical laboratories without any adverse QA events

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> Annual Reporting	<input type="checkbox"/> Incident	<input type="checkbox"/> Optional
<input type="checkbox"/> Directly Funded Localities	<input type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input type="checkbox"/> Planned Event	<input type="checkbox"/> Data Collected By

PHEP 12.14: PFGE *E. coli*

- Measure:** Percentage of pulsed field gel electrophoresis (PFGE) subtyping data results for *E. coli* O157:H7 submitted to the PulseNet (PN) national database **within four working days** of receiving isolate at the PFGE laboratory

Measure Applies To:	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input type="checkbox"/> Annual Reporting	<input type="checkbox"/> Incident	<input type="checkbox"/> Optional
<input checked="" type="checkbox"/> Directly Funded Localities: Excludes CHI	<input checked="" type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input type="checkbox"/> Exercise	<input checked="" type="checkbox"/> Accountability: GPRA Measure
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input type="checkbox"/> Planned Event	<input checked="" type="checkbox"/> Data Collected By: CDC ELC Program and CDC PulseNet

PHEP 12.15: PFGE *L. monocytogenes*

- Measure:** Percentage of pulsed field gel electrophoresis (PFGE) subtyping data results for *Listeria monocytogenes* submitted to the PulseNet (PN) national database within four working days of receiving isolate at the PFGE laboratory

Measure Applies To :	Circumstances for Reporting:	For Response Only:	Other Considerations:
<input checked="" type="checkbox"/> States	<input type="checkbox"/> Annual Reporting	<input type="checkbox"/> Incident	<input type="checkbox"/> Optional
<input checked="" type="checkbox"/> Directly Funded Localities: Excludes CHI	<input checked="" type="checkbox"/> If PHEP Funds Allocated to the Capability or Contracts Plan	<input type="checkbox"/> Exercise	<input type="checkbox"/> Accountability
<input type="checkbox"/> Territories or Freely Associated States	<input type="checkbox"/> If Emergency Response Required Use of this Capability, Regardless of Funding	<input type="checkbox"/> Planned Event	<input checked="" type="checkbox"/> Data Collected By: CDC ELC Program and CDC PulseNet

PFGE Reporting Requirements

❑ Budget Period 11

- **Not formally linked to a Capability 12 function but still being collected**
- **Will be collected through PERFORMS, submitted by awardee**

❑ Budget Period 1

- **Linked to Capability 12, Function 5 (Lab Reporting)**
- **Aligned with ELC**
- **Collected and calculated through Epidemiology and Laboratory Capacity (ELC) cooperative agreement and CDC PulseNet program**
- **Awardee must verify data if allocating PHEP funds toward PFGE activities; otherwise no action needed**

PHEP Public Health Laboratory Testing Measures: Alignment to Functions

Measure	Function 1	Function 2	Function 3	Function 4	Function 5
PHEP 12.1	● Optional PHEP				
PHEP 12.2				● PHEP	
PHEP 12.3			● LRN-C		
PHEP 12.4					● PHEP
PHEP 12.5			● LRN-C PAHPA		
PHEP 12.6			● LRN-C PAHPA		
PHEP 12.7		● LRN-C PAHPA			
PHEP 12.8			● LRN-C		
PHEP 12.9	● Optional PHEP				
PHEP 12.10					● LRN-B
PHEP 12.11			● LRN-B PAHPA		
PHEP 12.12		● LRN-B			
PHEP 12.13		● PHEP			
PHEP 12.14					● PHEP
PHEP 12.15					● PHEP

PHEP Public Health Laboratory Testing Measures: How to Apply

- ❑ Develop plans to collect the needed PM data during Budget Period 1 for the 13 required PMs for this capability**
- ❑ Report plans in the performance measures narrative section of the PHEP application. Should include how you plan to collect lab PM data (i.e., who you are working with, what arrangements you've made to obtain data, etc.)**
- ❑ Requires coordination and communication between PHEP awardees and their public health laboratories**

PHEP Public Health Laboratory Testing Measures: How to Apply (cont.)

- ❑ Discuss reporting and validation activities associated with the PHLT performance measures with laboratory (lab) director.**
- ❑ If awardee has separate biological and chemical laboratories then coordinate with both lab directors**
- ❑ Incorporate the deliverables pertaining to PM data collection into your contract or a memorandum of understanding with the laboratory**
- ❑ PHEP lab measures collected by the CDC LRN offices require PHEP director confirmation in PERFORMS that the reported results for these drills and exercises are accurate**

PHEP Public Health Laboratory Testing Measures: How to Apply (cont.)

- ❑ Consult with the lab director periodically regarding performance to date**
- ❑ As appropriate and applicable, coordinate with the ELC coordinator regarding PM data collection efforts for PFGE as well as strategize collectively about priorities moving forward.**

PHEP Public Health Laboratory Testing Measures: What will be monitored

The following elements should be monitored:

- ❑ Extremely long or extremely short timeframes
- ❑ Low percentage or low numbers of samples
- ❑ High percentage (100%)
- ❑ Start and stop times that are out of proper sequence
- ❑ Documentation to support self-reported performance (e.g., lab result logs, communication logs, etc.)

Questions?