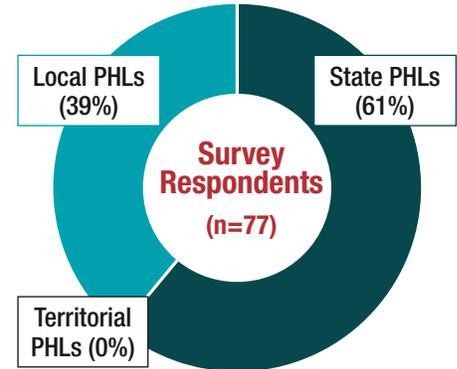


The Association of Public Health Laboratories (APHL) COVID-19 Training Needs Assessment was conducted between July-August 2020 to identify essential public health laboratory (PHL) training needs based on experiences from the COVID-19 pandemic. Out of the 99 laboratories contacted to participate (all state, local and territorial PHLs that conduct COVID-19 testing), 77 completed the survey (78% response rate). Information from this survey will be used by APHL and the US Centers for Disease Control and Prevention (CDC) Division of Laboratory Systems to develop training resources.



PRIORITY OF TRAINING NEEDS

40.3%	Working with non-traditional sites and non-laboratory organizations (biosafety practices, collection, package and shipping)
37.7%	Method validation/validation studies
23.4%	Development and virtual delivery of educational materials
22.1%	Testing capacity calculations
19.5%	Application of Clinical Laboratory Improvements Act of 1988 (CLIA) regulations
19.5%	Continuity of Operations
18.2%	Biosafety risk assessment
16.9%	Managing supplies and reagents (inventory and ordering) through vendors
10.4%	Packaging and shipping
10.4%	Electronic reporting
6.5%	Performing/selecting appropriate molecular methods for respiratory pathogens
6.5%	Strategies to align science within policy
6.5%	Other
5.2%	Public messaging
3.9%	Performing/selecting appropriate serologic methods for respiratory pathogens
3.9%	Quality metrics
2.6%	Incident command system
2.6%	Managing personal protective equipment (inventory and ordering)
2.6%	No training needs
0%	Speaking to the media

This survey was conducted through a joint effort from the APHL Quality Systems & Analytics, Training & Workforce Development, Infectious Diseases and Public Preparedness & Response programs.

TRENDS IN STATE RESPONSES

Training Topic	Primary Training Audiences	Secondary Training Audiences	Support Materials Needed	Preferred Delivery Method	Training Need
Working with Non-traditional Sites	External: Non-traditional Sites		<ul style="list-style-type: none"> Case Studies Guidance Documents 	Virtual Session	Both for COVID-19 and Overall Laboratory Needs
Develop/Deliver Virtual Training	Internal: PHL Staff	External: <ul style="list-style-type: none"> Sentinel Clinical Laboratories Hospitals NTS 	<ul style="list-style-type: none"> Guidance Documents Tools and Templates 	Virtual Session	
Test Capacity Calculations	Internal: PHL Staff		<ul style="list-style-type: none"> Guidance Documents Tools and Templates 	Virtual Session	
Vendor Supplies/Reagents	Internal: PHL Staff		<ul style="list-style-type: none"> Case Studies Guidance Documents Tools and Templates 	Virtual Session	
Packaging & Shipping	Internal: PHL Staff External: <ul style="list-style-type: none"> Sentinel Clinical Laboratories Hospitals NTS 		<ul style="list-style-type: none"> Guidance Documents Tools and Templates 	<ul style="list-style-type: none"> Virtual Session Online Course 	

TRENDS IN STATE & LOCAL RESPONSES

Training Topic	Primary Training Audiences	Secondary Training Audiences	Support Materials Needed	Preferred Delivery Method	Training Need
Method Validation/Validation Studies	Internal: PHL Staff		<ul style="list-style-type: none"> Case Studies Guidance Documents Tools and Templates 	Virtual Session	Both for COVID-19 and Overall Laboratory Needs
CLIA Regulations	Internal: PHL Staff	External: <ul style="list-style-type: none"> Sentinel Clinical Laboratories NTS Laboratory Leadership Hospital Laboratory Directors 	<ul style="list-style-type: none"> Case Studies Guidance Documents Tools and Templates 	Virtual Session	
Continuity of Operations	Internal: PHL Staff		<ul style="list-style-type: none"> Guidance Documents Tools and Templates 	Virtual Session	
Biosafety Risk Assessments	Internal: PHL Staff External: Hospitals	External: Sentinel Clinical Laboratories	<ul style="list-style-type: none"> Guidance Documents Tools and Templates 	<ul style="list-style-type: none"> Virtual Session Online Course 	

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