



2018 TRAINING NEEDS ASSESSMENT

SUMMARY FOR PUBLIC HEALTH PREPAREDNESS & RESPONSE PROGRAM

In 2018, APHL conducted an online survey to update their laboratory training offerings and to better understand the training needs of its public health laboratory (PHL) members and associates. The survey received 892 responses, 65% of which came from PHLs. In this training needs assessment (TNA), the laboratory supervisors were asked to select topics they felt were critical needs for their staff, and each individual respondent was asked to select their most desired training needs. The training topics categorized into four groups: Scientific/Technical, Technology, Management, and Leadership and Personal Development.

The analyzed data from the TNA outline three sets of the “top ten” selected critical training needs identified for the staff of PHLs. It presents the significant interest of respondents in receiving the training contents in forms of either workshops or webinars. This report has been customized to highlight the mentioned sets of critical training needs to which APHL’s Public Health Preparedness & Response program can contribute.

Top 10 Trainings Selected by Supervisors for Themselves

Rank	Category	Selected Training
1	Scientific/Technical	Bioinformatics - Application in public health laboratory
2	Scientific/Technical	Bioinformatics - Data analysis
3	Scientific/Technical	Emergency Preparedness - Emerging pathogen preparedness
4	Scientific/Technical	Bioinformatics - Basics
5	Scientific/Technical	Laboratory Safety – Biological
6	Scientific/Technical	Information Systems - Electronic data exchange
7	Scientific/Technical	Information Systems - Laboratory informatics
8	Scientific/Technical	Bioinformatics - Application in clinical laboratory
9	Scientific/Technical	Biosafety/Biosecurity - Risk assessment
10	Scientific/Technical	Information Systems - Data analysis

Top 10 Trainings Selected by Supervisors for Their Staff

Rank	Category	Selected Training
1	Scientific/Technical	Bioinformatics - Application in public health laboratory
2	Scientific/Technical	Bioinformatics - Data analysis
3	Scientific/Technical	Bioinformatics - Basics
4	Scientific/Technical	Laboratory Safety – Biological
5	Scientific/Technical	Biosafety/Biosecurity - Risk assessment
6	Scientific/Technical	Emergency Preparedness - Emerging pathogen preparedness
7	Scientific/Technical	Biosafety/Biosecurity - Biothreat agents
8	Scientific/Technical	Information Systems - Laboratory informatics
9	Scientific/Technical	Laboratory Safety – Chemical
10	Scientific/Technical	Packaging and Shipping

Top 10 Trainings Selected by Non-Supervisors for Themselves

Rank	Category	Selected Training
1	Scientific/Technical	Bioinformatics - Application in public health laboratory
2	Scientific/Technical	Emergency Preparedness - Emerging pathogen preparedness
3	Scientific/Technical	Biosafety/Biosecurity - Biothreat agents
4	Scientific/Technical	Bioinformatics - Data analysis
5	Scientific/Technical	Packaging and Shipping
6	Scientific/Technical	Laboratory Safety – Biological
7	Scientific/Technical	Biosafety/Biosecurity - Risk assessment
8	Scientific/Technical	Emergency Preparedness - Sentinel bioterrorism
9	Scientific/Technical	Information Systems - Laboratory informatics
10	Scientific/Technical	Bioinformatics - Basics

Program Information: catherine.johnson@aphl.org

Technical Information: sudaba.parnian@aphl.org

Association of Public Health Laboratories

The Association of Public Health Laboratories (APHL) works to strengthen laboratory systems serving the public's health in the US and globally. APHL's member laboratories protect the public's health by monitoring and detecting infectious and foodborne diseases, environmental contaminants, terrorist agents, genetic disorders in newborns and other diverse health threats.

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8515 Georgia Avenue, Suite 700

Silver Spring, MD 20910

Phone: 240.485.2745

Fax: 240.485.2700

www.aphl.org

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