

Division of Laboratory Systems

CDC Update

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CDC Division of Laboratory Systems

CLIAC Spring Meeting 2023

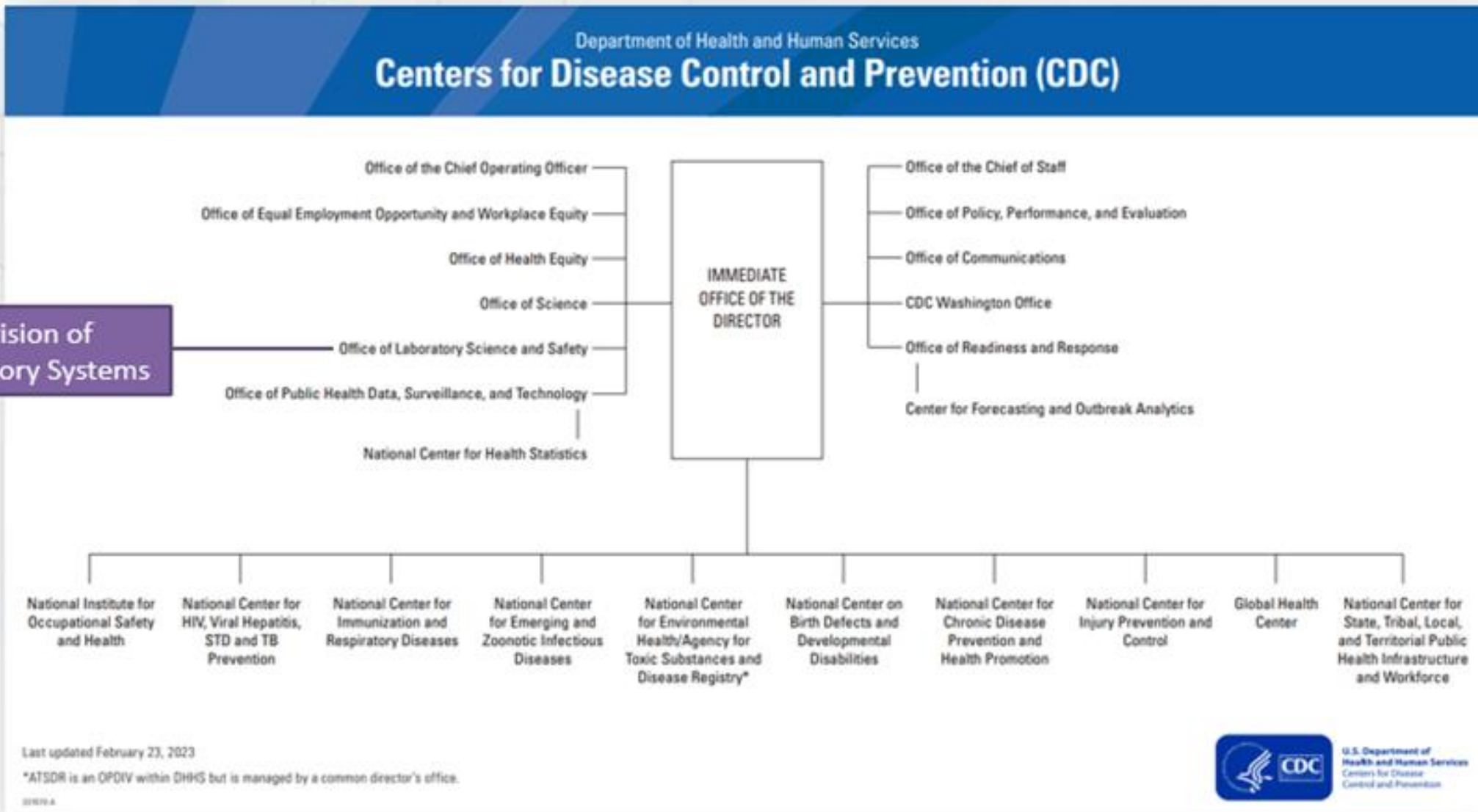




CDC MOVING FORWARD



New CDC Organizational Structure





**CDC Advisory
Committee to
the Director
(ACD)
Laboratory
Workgroup
(LW)**

Review of the Shortcomings of
CDC's First COVID-19 Test and
Recommendations for the Policies,
Practices, and Systems to Mitigate
Future Issues



ADOPTED BY ACD VOTE ON FEBRUARY
7, 2023

The **Laboratory Workgroup (LW)** provides input to the Advisory Committee to the Director, recommending changes to strengthen the quality of activities performed by CDC laboratories.

Workgroup charge: Develop advice and recommendations regarding the effective implementation of laboratory quality improvements across the agency.

[Recommendations for Enhancing CDC Laboratory Policies, Practices and Systems](#)



LABORATORY PREPAREDNESS AND RESPONSE



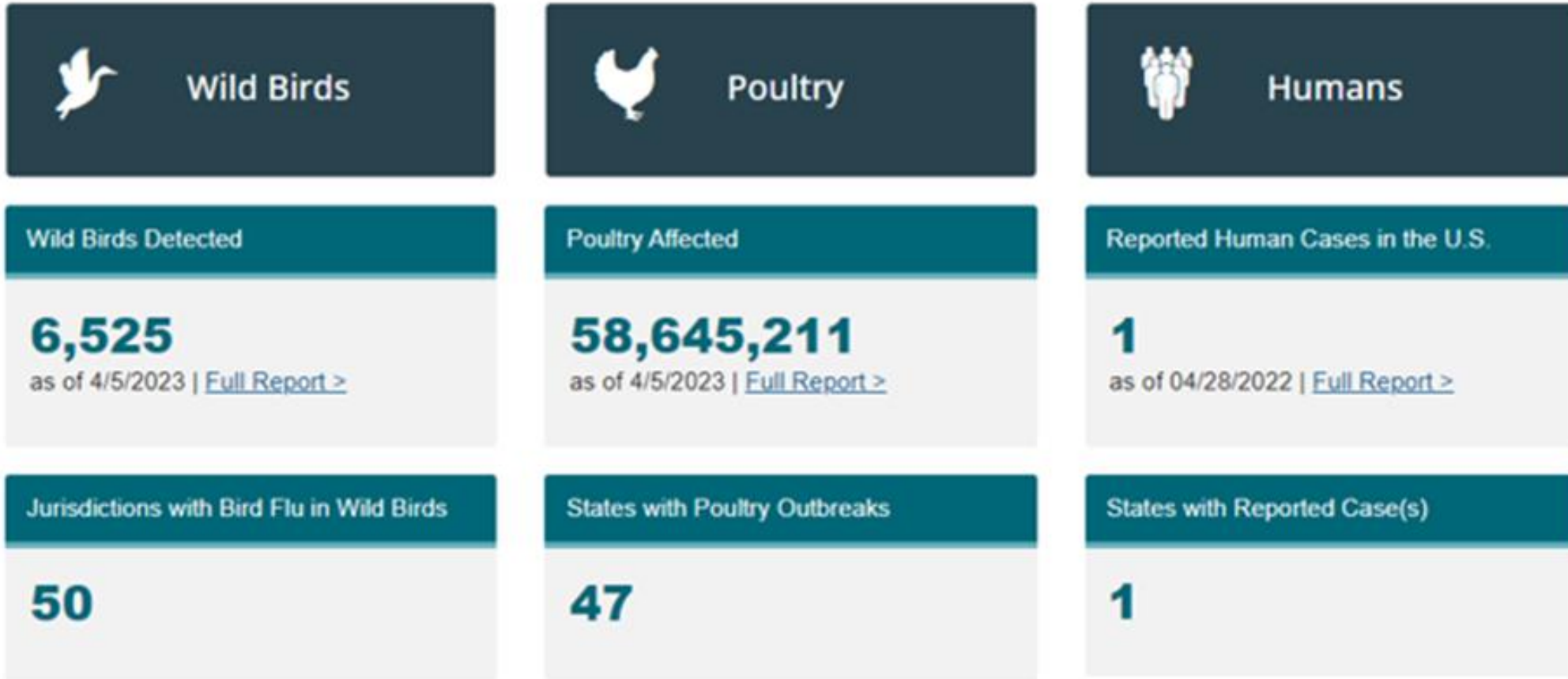
Future of the Nation's Laboratory Systems for Health Emergency Response: A Workshop

This workshop explored the United States' laboratory and testing responses to past, present, and potential public health emergencies (e.g., COVID-19; mpox; chemical, radiological or nuclear threats) and discussed the future of laboratory capabilities, capacities, and coordination for public health emergency response across public and private entities nationally

- CDC and partners committed to developing a national laboratory response system roadmap



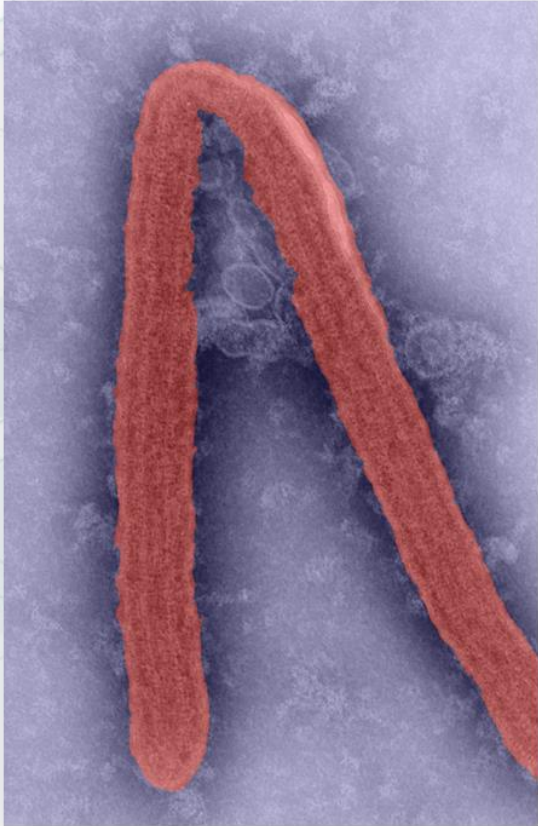
H5N1 Bird Flu Update



Data as of 04/05/2023

- www.cdc.gov/flu/avianflu/avian-flu-summary.htm

Marburg Virus Disease Outbreaks



- Outbreaks have been reported in Equatorial Guinea (February 2023) and Tanzania (March 2023)
- Risk of travel-associated Marburg virus disease (MVD) in the United States is **very low**
- CDC Laboratory Outreach Communication System (LOCS) message
 - [Lab Advisory: CDC Issues Health Alert for Marburg Disease Outbreaks](#)



LABORATORY QUALITY AND SAFETY



CDC Centers for Disease Control and Prevention
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Search

Clinical Laboratory Improvement Advisory Committee (CLIAC)

CLIAC Home

- CLIAC Home
- Meeting +
- Membership +
- CLIAC Charter
- CLIAC Workgroups** -
- CLIA Regulations Assessment Workgroup
- CLIA Certificate of Waiver and PPMP Workgroup
- Next Generation Sequencing Workgroup
- Biosafety Workgroup

CLIAC Workgroups

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CDC DIVISION OF LABORATORY SYSTEMS

CLIAC

CLINICAL LABORATORY IMPROVEMENT ADVISORY COMMITTEE

WORKGROUPS

The [Clinical Laboratory Improvement Advisory Committee](#) (CLIAC) may convene workgroups to discuss issues and gather information on specific topics related to matters identified through Committee discussions or as outlined in the [CLIAC Charter](#). The output of the workgroup will be a summary report based on research activities and information gathered during workgroup discussions.

- www.cdc.gov/cliac/workgroups/index.html

The CDC/APHL Next Generation Sequencing (NGS) Quality Initiative

Develop an NGS-focused **Quality Management System (QMS)** to ensure **high quality, reliable data**.



Harmonize quality standards for NGS across public health.



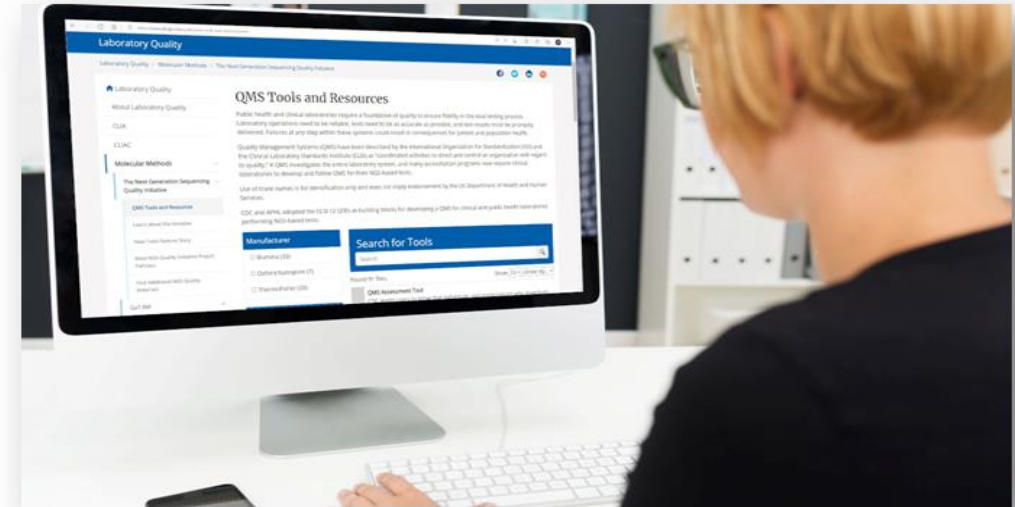
- Create a **“toolkit”** to prevent duplication of efforts, increase efficiency, and save costs



Support NGS activities to meet **multiple requirements**.

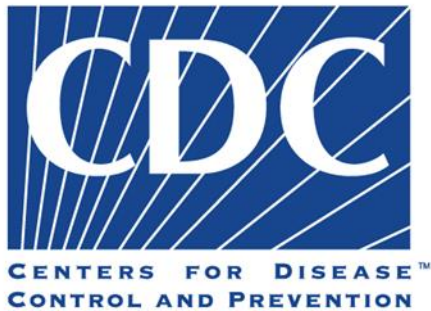
12 Quality System Essentials (QSEs)

QSEs		
Organization	Facilities & Safety	Purchasing & Inventory
Process Management	Information Management	Assessments
Customer Focus	Personnel	Equipment
Documents & Records	Nonconforming Event Management	Continual Improvement



- NGS Quality Initiative:**
<https://www.cdc.gov/labquality/ngs-quality-initiative.html>
- QMS Tools and Resources:**
<https://www.cdc.gov/labquality/qms-tools-and-resources.html>

Biosafety ECHO Program - Launched in January 2023



A biosafety community of practice (CoP) based on the Extension for Community Healthcare Outcomes (ECHO) approach to address biosafety challenges in clinical and public health laboratories

National Quality Forum Blood Culture Contamination Rate Measure Has Been

- **Goal:** Establish a standard for evaluating and reporting blood culture (BC) contamination rate to reduce adverse patient events and encourage optimal antibiotic use
- Measure was officially endorsed by National Quality Forum (NQF) in January 2023 – **Now a National Quality Measure!**
 - Adult Blood Culture Contamination Rate; A national measure and standard for clinical laboratories and antibiotic stewardship programs (NQF # 3658)





Working with CDC's Division of Healthcare Quality Promotion (DHQP) to encourage adoption and data reporting by laboratories



Creating a web resource, "National Quality Forum (NQF) Adult Blood Culture Contamination Rate Measure: An Overview for the Clinical Laboratory"

Resource will inform clinical laboratories about the new measure, provide general information about BC contamination, and point users to references for use



HEALTH EQUITY



DLS Health Equity Activities



Improving adherence to guideline-recommended statin prescription for severe hypercholesterolemia within a medically underserved population



Enhancing the Career Pathways in Public Health Laboratory Science fellowships and internships programs



Identifying gaps and challenges associated with providing linguistically appropriate test results to non-English speaking populations



Conducting a study to examine the distribution of CLIA-certified Certificate of Waiver sites by social vulnerability and geographical location



Establishing Electronic Test Orders and Results systems to support people who are medically underserved



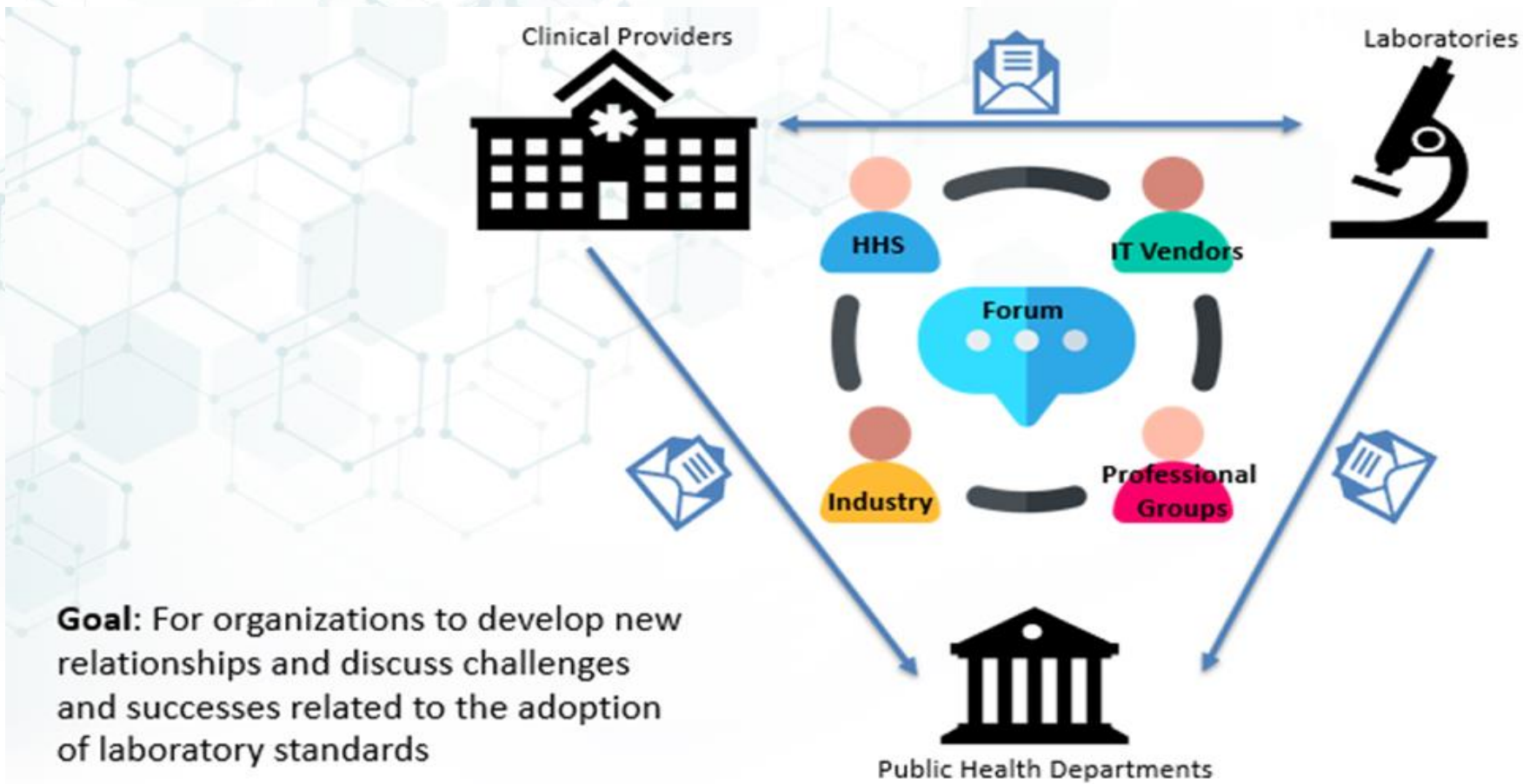
Evaluating practices to increase equitable access to point-of-care testing during public health emergencies



LABORATORY INFORMATICS



Forum on Adoption of Standards for Laboratory Data Exchange and Interoperability

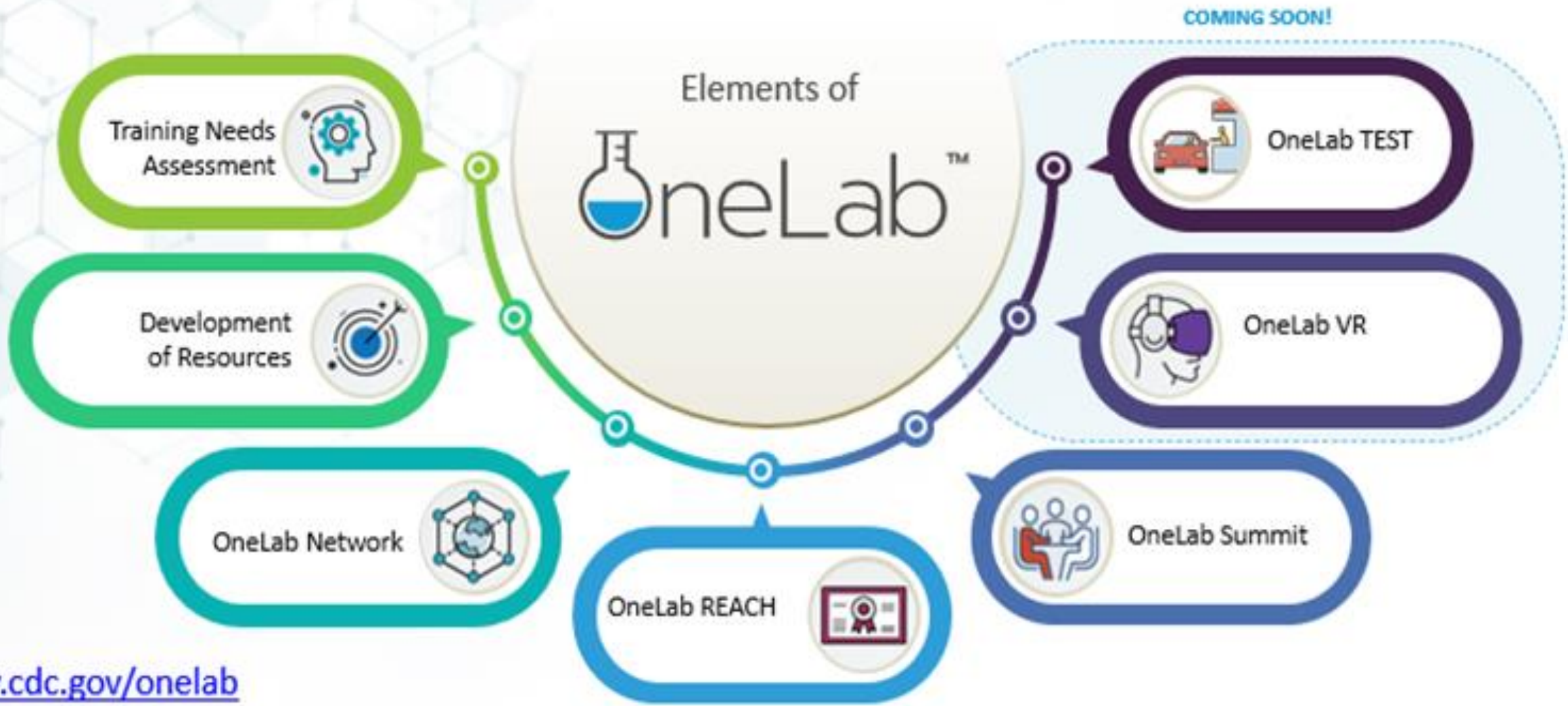




LABORATORY TRAINING AND WORKFORCE DEVELOPMENT



CDC OneLab™ Initiative



www.cdc.gov/onelab

OneLab Network Events

Upcoming:

April 26: Identifying and Recognizing Select Agents or Toxins, Part 1

May 31: Identifying and Recognizing Select Agents or Toxins, Part 2

Recent:

March 28: Survey Process: What You Need to Know for Your CLIA Survey

Feb. 27: Pipeline and Hazardous Materials Safety Administration (PHMSA)

Training Program Requirements: Shipping Hazmat such as Cat A

Visit www.cdc.gov/onelab to join OneLab Network or download resources from previous events

OneLab TEST – Launching May 1



OneLab TEST (Timely Education and Support of Testers) is a new collaborative network for personnel who perform or coordinate testing at non-laboratory sites.

TEST will:

- connect testers in non-laboratory settings to CDC and to each other
- provide training resources tailored to testers’ needs
- empower testers to train each other

Beginning May 1, sign up for OneLab TEST at www.cdc.gov/onelab



OneLab VR Update

One Lab VR environment will be released for free on Oculus Store later this month

- [Promo video](#)

Launching single-player VR environment as pilot

2 training scenarios launching in 2023

15+ scenarios in development

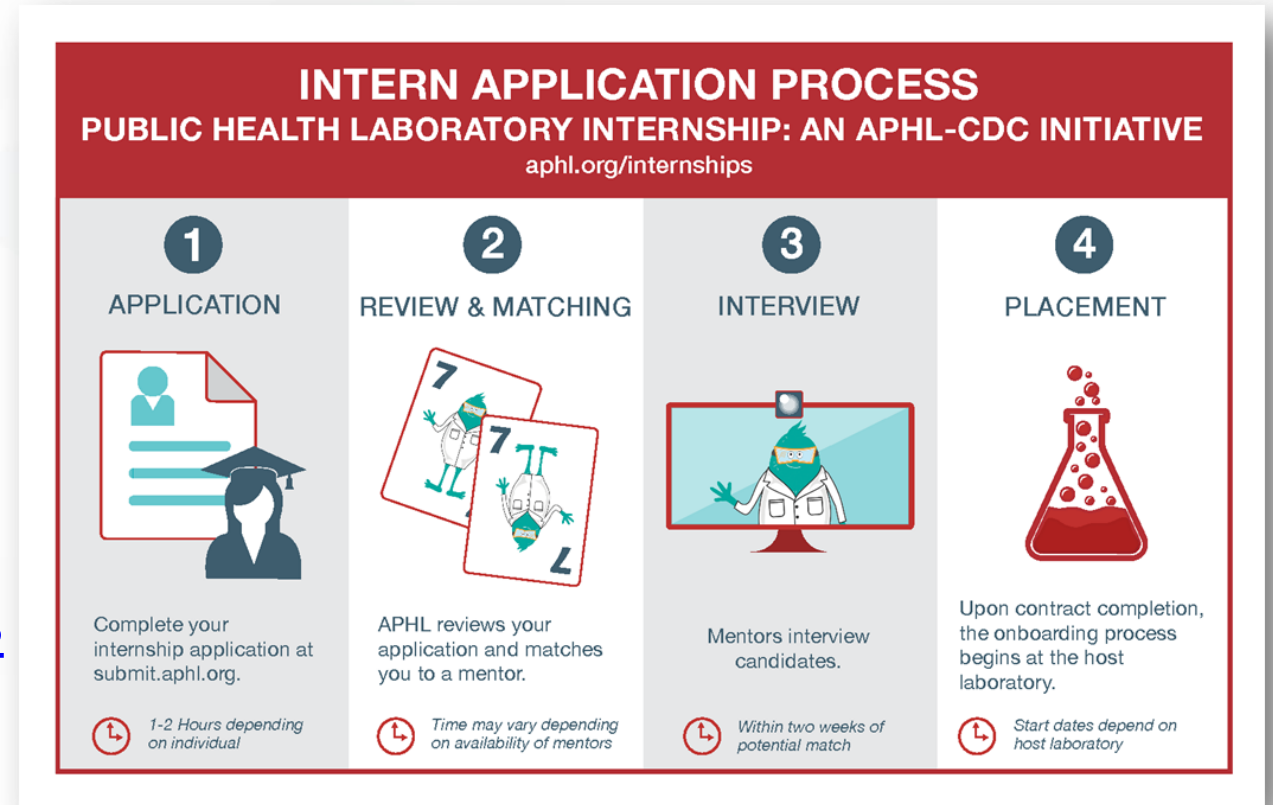
40+ scenarios in planning

– Feel free to send ideas for training topics to VR@cdc.gov



Career Pathways in Public Health Laboratory Science

- Internship application launched March 27, 2023
- Seeking students, host sites, and mentors
- First cohort starts summer, 2023
- To apply, visit submit.aphl.org
- To learn more about the program, visit www.aphl.org/career-pathways





PARTNERSHIP, COMMUNICATION, AND OUTREACH



- **Goal:** Develop and strengthen relationships among interagency partners and professional organizations representing public health, clinical laboratory, and testing communities throughout the United States.
- **Recent meetings**
- November 2022



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Division of Laboratory Systems (DLS)

DLS Home > Strengthening Clinical Laboratories

Clinical Laboratory Partners Forum

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Clinical Laboratory Partners Forum

Overview of the Forum

The Clinical Laboratory Partners Forum (CLPF) is a network led by CDC that connects CDC, the Food and Drug Administration, and the Centers for Medicare & Medicaid Services with organizations that represent a broad spectrum of the clinical laboratory and diagnostic testing communities, including:

- Hospitals
- Pharmacies, physicians, urgent care centers
- Diagnostic assay and instrument manufacturers
- Clinical and public health laboratories
- Commercial laboratories
- Laboratory accreditation organizations
- Clinical laboratory standards developers
- Epidemiologists and public health experts

[CDC Clinical Laboratory Partners Forum Website](#)



DLS at APHL ID Lab Con 2023

- **Upcoming Exhibiting**
- **APHL 2023 Annual Conference**
- **May 22-25**
- **2023 AACC Annual Scientific Meeting and Clinical Lab Expo**
- **July 23-27**

Medical Laboratory Professionals Week: April 23-29



- We celebrate laboratory professionals who protect our future by skillfully adapting to meet today's evolving patient care and public health challenges with **resilience**, **innovation**, and **expertise**.
- Join DLS in celebrating Lab Week 2023 by
 - Showing thanks to a laboratory professional
 - Participating in DLS's Lab Week activities
 - Accessing our digital toolkit and content

www.cdc.gov/csels/dls/lab-week/



For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

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