



# Sharing Lessons Learned and Training Resources from the COVID-19 Response



# About the Speakers



**Blanche Collins, PhD,  
MCHES**  
Health Education Specialist  
Centers for Disease Control  
and Prevention



**Rashida Atkins, Med**  
Acting Lead for Just-in-Time  
Unit  
Centers for Disease Control  
and Prevention



**Bence Ujj**  
Multimedia Specialist  
Centers for Disease  
Control and Prevention



**Jamie Perniciaro**  
Health Education  
Specialist  
Centers for Disease  
Control and Prevention



**Isaiah Hurtado MS, CHES**  
Certified Health Educator  
Centers for Disease Control  
and Prevention

To see full speaker biographies, visit <https://www.cdc.gov/labtraining/onelab/onelab-summit-2022.html>



# Division of Laboratory Systems



## Sharing Lessons Learned and Training Resources from the COVID-19 Response

Blanche Collins, MCHES, PhD, Rashida Atkins, MA, Bence Ujj, BA, MA,  
Jamie Perniciaro, BSA, and Isaiah Hurtado, CHES, MS  
Division of Laboratory Systems



# Questions to Think About

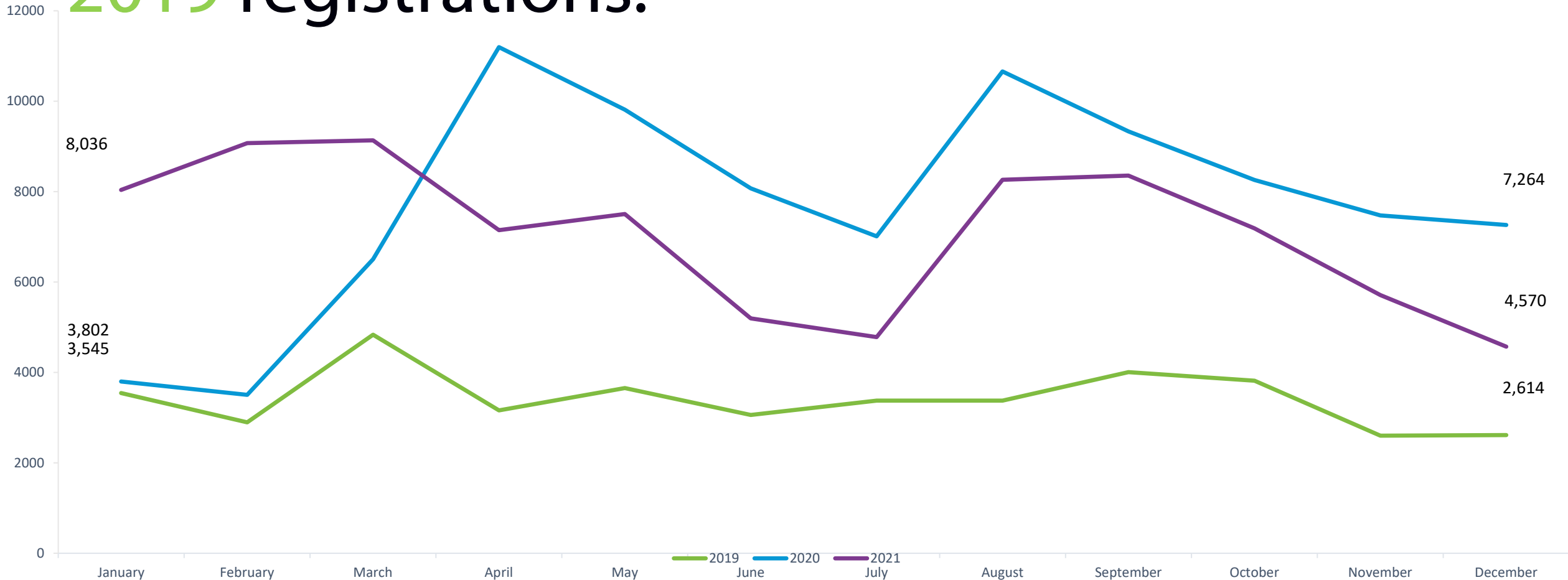
1. What training lessons did you learn during the pandemic and how did you overcome those lessons?
2. What training resources and products did you have before the pandemic that were especially relevant during the pandemic?
3. What training topics and content do you know will be relevant during a future pandemic or other public health emergency?



How many people have you trained during the response?



# 2020 and 2021 CDC/DLS eLearning registrations were consistently higher than 2019 registrations.



# DLS Laboratory Training eLearning Courses



Learn about the OneLab Initiative

Create a Laboratory Training Account

Get Laboratory Job Aids

Syndicate eLearning Courses on Your LMS

## Topics

- COVID-19 Relevant (19)
- Diagnostic Testing (6)
- Preparedness (14)
- Core Science (12)
- Safety (7)
- Informatics (4)
- Packing and Shipping (1)

Level

## Search CDC Laboratory Trainings



19 Courses

Reset



### Basic Molecular Biology Module 1: Basic Science

Learn information on the fundamental characteristics of DNA and RNA, nucleotide base-pairing rules, and the basic techniques and workflow applied in molecular diagnostics.

1 hr

Basic

Available for Syndication



### Basic Molecular Biology Module 2: Laboratory Practice

Learn information on general laboratory practices. Topics covered include biosafety practices, laboratory area flow, and practices to minimize contamination.

1 hr

Basic

Available for Syndication



### Basic Molecular Biology Module 3: Nucleic Acid Extraction

Learn information on nucleic acid extraction. Topics covered include extraction method selection, basic extraction steps, and nucleic acid analysis.

1.5 hr

Basic

Available for Syndication



### Basic Molecular Biology Module 4: PCR and Real-Time PCR

Learn information on the principle of PCR and real-time PCR. Topics covered include PCR steps, PCR product analysis, real-time PCR characteristics.

1 hr

Basic

Available for Syndication

# COVID-relevant eLearning



Fundamentals of Working Safely in a  
Biological Safety Cabinet



Fundamentals of Personal Protective Equipment



Packing and Shipping Dangerous Goods:  
What the Laboratory Staff Must Know



**Introduction to  
Laboratory Risk  
Management**  
New CDC Laboratory Training

US Safety Checklist:  
Hazardous materials policy and safe work procedures are in place  
Products are labeled properly  
Safety Data Sheets are available  
Products are stored properly  
Education and training provided to employees  
Hazard control measures are in place

**Ready?  
Set?  
Test!**

PATIENT TESTING IS IMPORTANT  
Get the right results

START COURSE

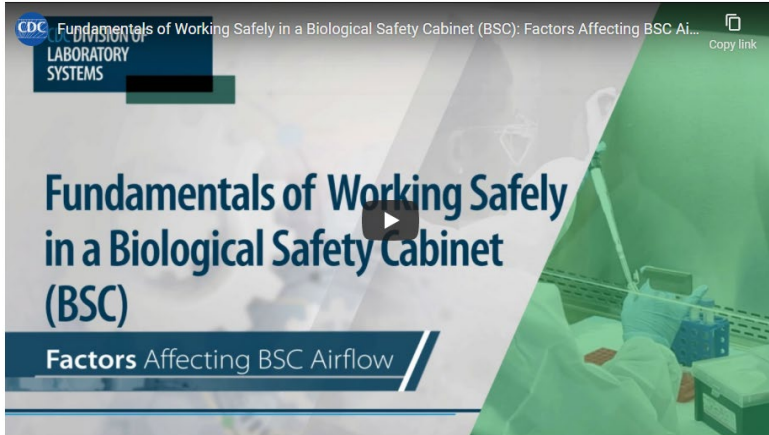
HOME ABOUT MAP EXIT  
Intro Ready? Set? Test! Scenarios

Home



# Just-in-Time Training

Fundamentals of Working Safely in a Biological Safety Cabinet (BSC)

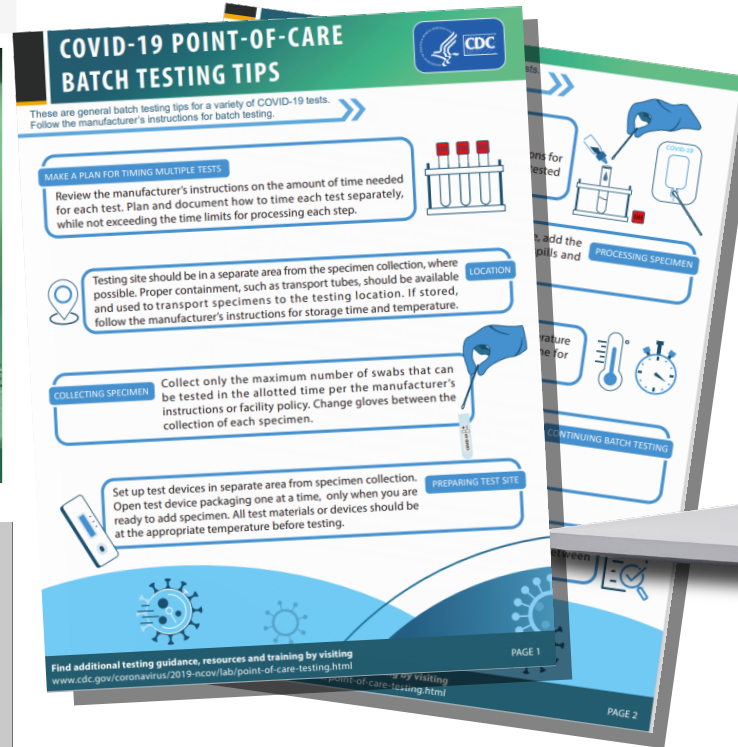


[View Transcript](#) [Low Resolution Video](#)

The use of trade names and commercial sources in this video is for identification only and does not imply endorsement by the Centers for Disease Control and Prevention, the Public Health Service, or the US Department of Health and Human Services.

Product names, logos, brands, and other trademarks featured or referred to within this CDC video are the property of the respective trademark holders. These trademark holders are not affiliated with CDC. CDC does not sponsor or endorse these materials, but references them as examples of materials to use for learning activities and demonstrations.

This content is designed for laboratory staff and is not intended to replace standard operating procedures specific to your laboratory.



Visit CDC's <https://www.cdc.gov/labtraining/jobaids.html>

web page today to find customizable resources you can download and print or share electronically.

# Packing and Shipping Job Aid

*Maintaining proper specimen temperature during shipment helps ensure quality test results.*



# Training of Trainers (ToT)

- Virtual format
- Category A and Category B cohorts
- 24 program participants
- > 200 clinical and public health laboratory professionals trained



# ToT Lessons Learned

Problem	Solution
Leaner engagement	CDC Quality Training Standards Include engagement activities throughout (e.g., polls, annotation, breakouts)
Familiarity and access to technology	Add an introduction session Incorporate trainer practice sessions Provide cameras* and headsets
Retention of registered participants	Increase initial participant registrants Consider commitment from participants
Training expectation and requirements	Review expectations of participants described in brochure



# Breakout Rooms

- What training lessons did you learn during the pandemic and how did you overcome those lessons?
- What training resources and products did you have before the pandemic that were especially relevant during the pandemic?
- What training topics and content do you know will be relevant during a future pandemic or other public health emergency?





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

[www.cdc.gov](http://www.cdc.gov)

Images used in accordance with fair use terms under the federal copyright law, not for distribution.

Use of trade names is for identification only and does not imply endorsement by U.S. Centers for Disease Control and Prevention.

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of Centers for Disease Control and Prevention.

# Breakout Rooms

**We want to hear from you!**



For the **next 20 minutes**, a facilitator will walk you through these questions:

1. What training lessons did you learn during the pandemic and how did you overcome those lessons?
2. What training resources and products did you have before the pandemic that were especially relevant during the pandemic?
3. What training topics and content do you know will be relevant during a future pandemic or other public health emergency?