

# *Creating Pandemic Ready Public Health Infrastructure*

Session 204, Date of Session August 12, 2021

Panel Discussion Moderated by Amy Gleason, United States Digital Service

**HIMSS** **21**

DISCLAIMER: The views and opinions expressed in this presentation are solely those of the author/presenter and do not necessarily represent any policy or position of HIMSS.

# Welcome



**Bryant Thomas Karras, MD**  
*CIO, Washington State*



**Kat Davis**  
*Pima County Health Department*



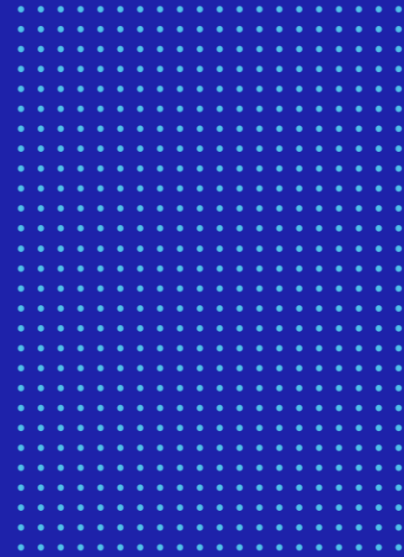
**Amy Gleason**  
*PRIME Project Lead, US Digital Service*



**Jason Hall**  
*Centers for Disease Control (CDC)*



**Alicia Beckett**  
*SimpleReport Lead, US Digital Service*



# *Conflict of Interest*

Amy Gleason

Jason Hall

Kat Davis

Bryant Thomas Karras, MD

Alicia Beckett

have no real or apparent conflicts of interest to report.

# *Learning Objectives*

- Recognize some of the existing public health infrastructure challenges that stressed the systems when COVID began
- Describe the CDC PRIME initiative and the impact it is having in modernizing public health
- Express insights into the challenges and successes from different approaches in different states and counties
- Identify methods of innovation that can apply even in stressful times

# *The Sprint*

## *May–June 2020*

# SPRINT RECAP

5

weeks

6

states visited

15

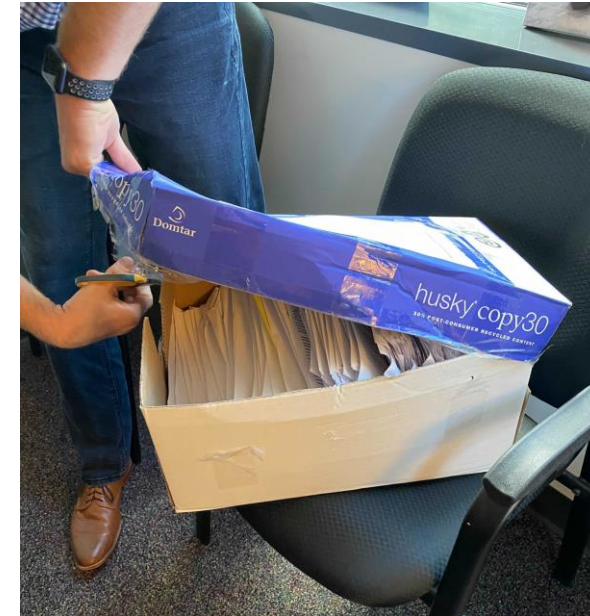
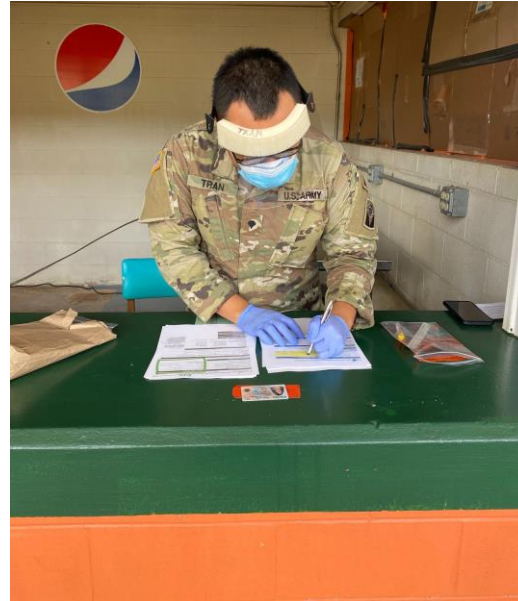
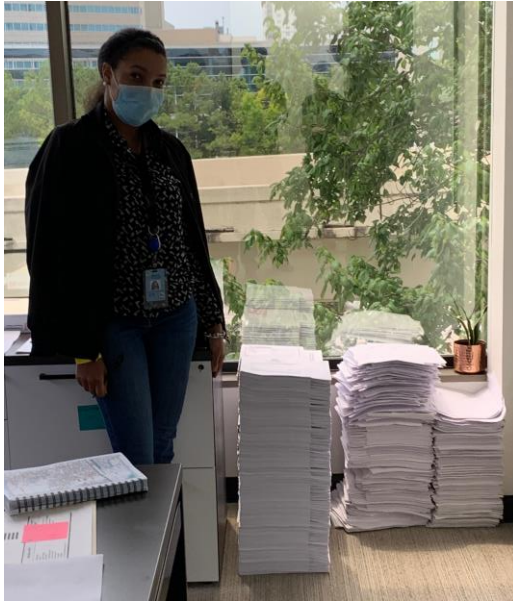
state and local health  
departments interviewed

100+

people interviewed



# *Too many manual and paper processes*



# New Testing Facilities in Non-Traditional Healthcare Settings





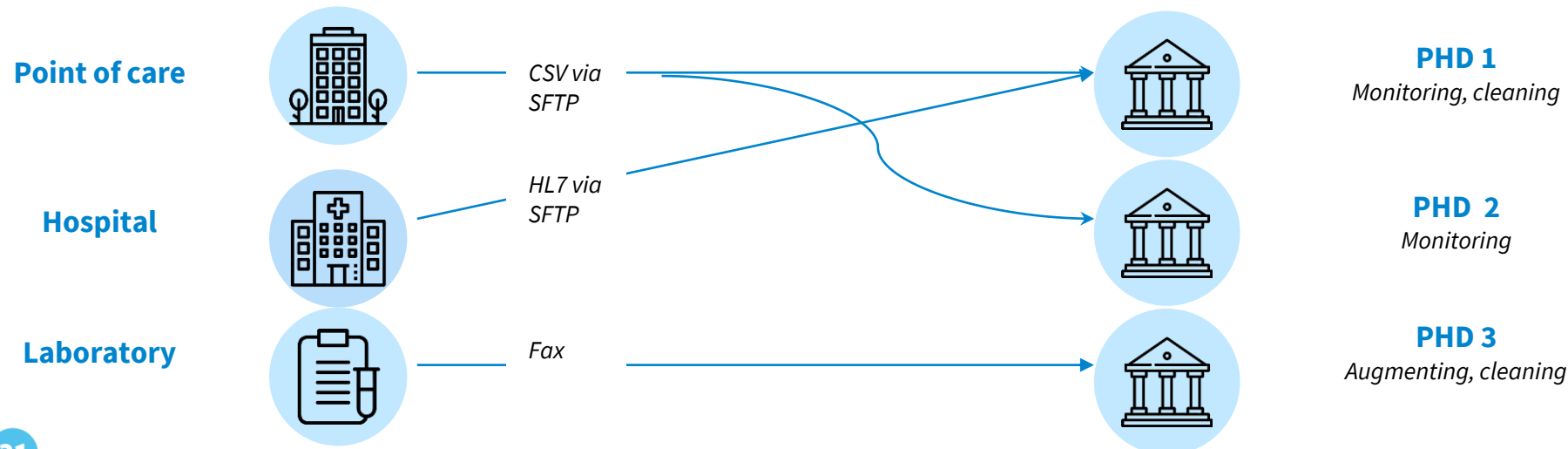
# Today: Exchanging public data can be complex, slow, and manual

## Senders

- May not have technical capabilities to send data in a modern way
- Difficulty developing/maintaining multiple connections
- May send incomplete data

## Public Health Departments

- Build and maintain individual connections for each sender
- Likely miss data from their jurisdiction, especially from point of care sites
- Homegrown/manual processes to clean, monitor and augment data



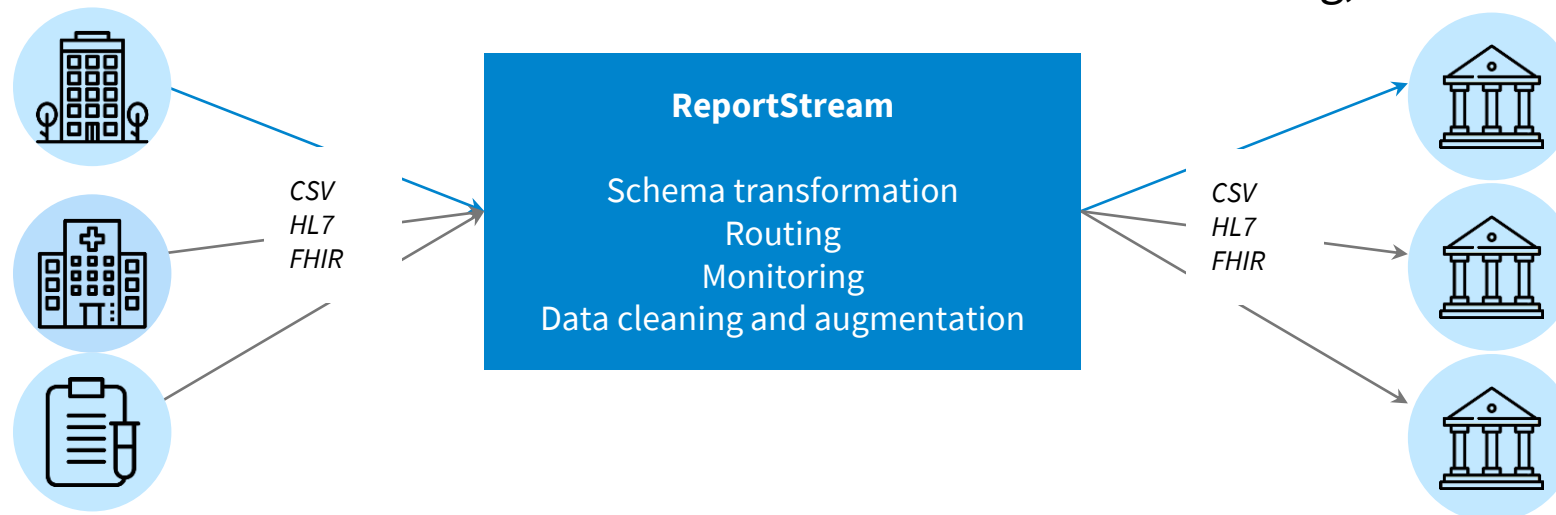
# ReportStream gets faster, better data to public health departments.

## Senders

- Single connection with modern standards
- Data is routed and reformatted for relevant destination jurisdictions
- Monitoring/alerts to proactively fix data feeds

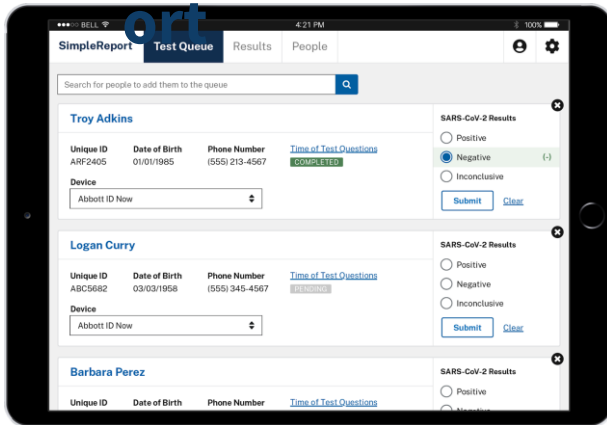
## Public Health Departments

- Single connection to receive data from multiple sources
- Get access to more point of care data via SimpleReport
- Centralized services: Sender trend monitoring, data cleaning and augmentation

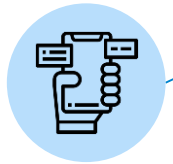


# Sample Data Flow

## SimpleRep



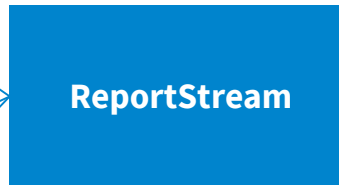
## STRAC App



## Hospitals and Labs



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## State

*Format: Via SFTP/HL7*  
Patient Name  
Result  
Patient Address  
Test Type  
County

## County

*Format: Web Download*  
Patient Name  
Result  
Patient Address  
Test Type  
Date of first symptom  
Date admitted to the facility



# SimpleReport

SimpleReport is a web based application that makes it easy to:

- Manage your testing workflow
- Report results to public health

The image shows a screenshot of the SimpleReport website and a mobile app interface. The website header includes the text "An official website of the United States government" and a link "Here's how you know". Navigation links include "About us", "How it works", "Support", "Sign up", and "Log in". The main heading reads "SimpleReport" with a logo of blue dots, followed by the sub-heading "A better way to report COVID-19 rapid tests" and a "Sign up for free" button.

The mobile app interface shows a "Test Queue" screen with a search bar and a list of test results. The list includes:

Unique ID	Date of Birth	Phone Number	Time of Test Questions	Device	SARS-CoV-2 Results
Troy Adkins AHP2405	01/01/1985	(555) 213-4567	10:00 AM	Abbott ID Now	<input checked="" type="radio"/> Negative
Logan Curry ABC568z	03/03/1958	(555) 345-4567	11:00 AM	Abbott ID Now	<input type="radio"/> Positive <input type="radio"/> Negative <input type="radio"/> Inconclusive
Barbara Perez					<input type="radio"/> Positive

SimpleReport is a fast, free, and easy way for COVID-19 testing facilities to report results to public health departments.

- ✓ Easy to set up and use
- ✓ 100% free
- ✓ Works with any rapid point-of-care test
- ✓ Maintains HIPAA standards



# SimpleReport: Who is it for?

- Long term care facilities
- K-12 schools
- Universities
- Urgent care centers
- Airports
- Correctional Facilities

An official website of the United States government [Here's how you know](#)

SimpleReport Las Palmas

**Conduct Tests** Results People Aqua

Search for a person to start their test

**Jane, Jane** 2:46

Phone number (734) 272-3888 Date of birth 02/02/2000 [Test questionnaire](#) COMPLETED

Device Abbott BinaxNov Test date  Use current date

SARS-CoV-2 results

Positive (+)  
 Negative (-)  
 Inconclusive

Submit

**Parker, Jessica** 14:45

Phone number (734) 272-3883 Date of birth 11/11/2015 [Test questionnaire](#) COMPLETED

Device Cue Test date  Use current date

SARS-CoV-2 results

Positive (+)  
 Negative (-)  
 Inconclusive

Submit



# *Thank you!*

- Use this as your last slide
- Add speaker contact information (email, Twitter handle, LinkedIn address, if available)
- Organization logo(s) can be placed on this slide