

# California COVID-19 Testing Task Force Update

May 5, 2020

# Agenda



**Introductions and logistics**



**Objectives**



**Approach**



**Progress**



**Next steps**



**Questions**

# Logistics

- **Participation by invitation only** – please send participation requests to [testing.taskforce@state.ca.gov](mailto:testing.taskforce@state.ca.gov)
- All of this is to facilitate a **trusted, open dialogue** in a highly fluid situation
- **A newsletter** will follow this meeting and can be used to share with/update others in your community

# Introductions

## Today's speakers

- **Dr. Charity Dean**, Assistant Director, California Department of Public Health
- **Paul Markovich**, President and CEO, Blue Shield of California

List of Task Force leaders provided on Task Force website at [testing.covid19.ca.gov](https://testing.covid19.ca.gov)

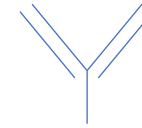
## Roles in this public-private partnership

- Appropriate state officials **always** make decisions
- Individuals from the private sector are providing important support at a critical juncture and **do not** make decisions

# Two types of COVID-19 tests mentioned in these materials



## PCR (molecular diagnostic)



## Serological tests

### Detection of...

Virus

Antigens or antibodies

### Common sample type

Nose nasal or throat swab

Blood/plasma

### Key considerations

Gold standard for diagnostic testing

Do not diagnose infection, but can be useful for antibody detection

# Task Force goals and approach

## Our goals

Increase total number of tests

24-hour turnaround

90% accuracy

Equitable and convenient access



## Our approach



**Access:** Establish statewide collection sites for equitable access



**Test processing:** Maximize throughput and turnaround time of labs



**Statewide distribution:** Establish a smart distribution of scarce supplies



**Facilitate innovation:** Provide recommendations on new, promising tests



**Data and analytics:** Track and report results

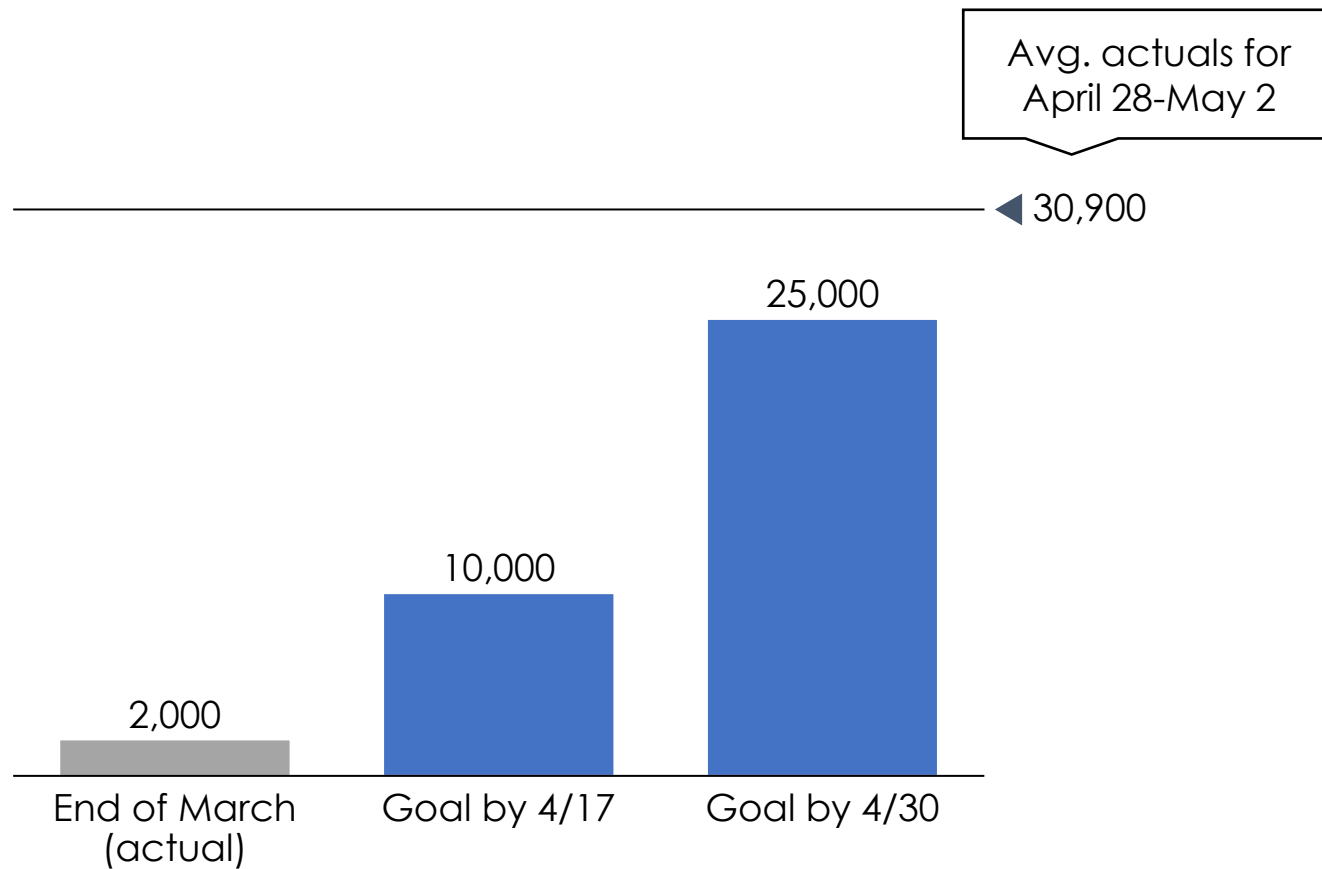


**Community-driven workforce needs:** Maximize using members of the community for the work

# Reaching our goals will require taking a range of actions

## Current and expected number of COVID-19 tests in California

Tests/day (PCR Tests)

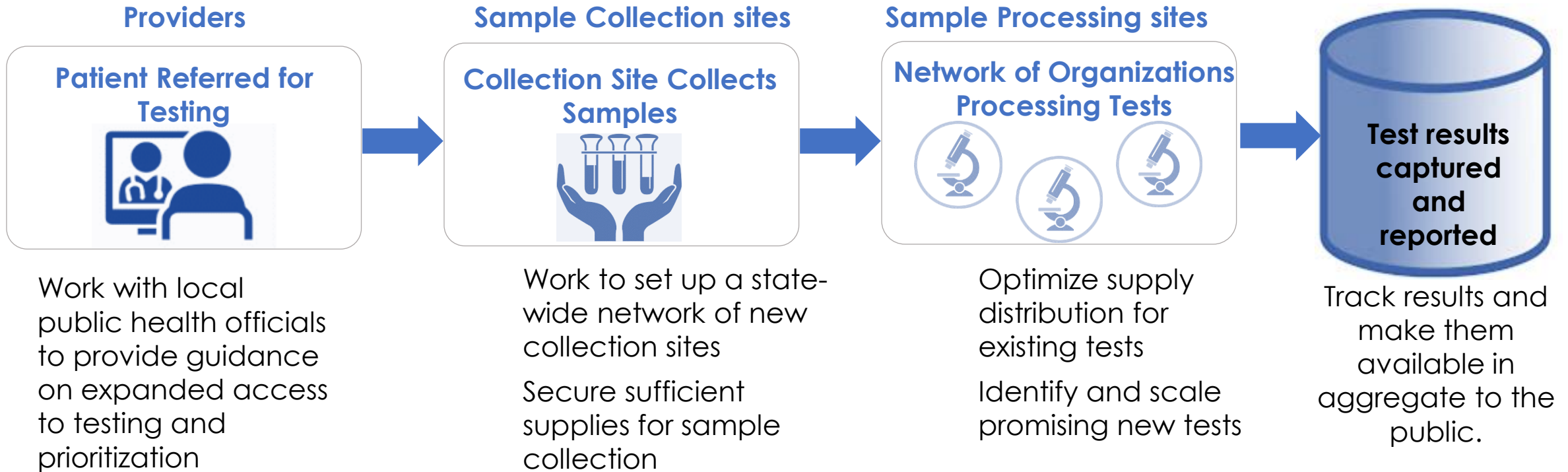


**Actions to increase test volumes:**

- Increase capacity for existing labs to process tests
- Increase number of specimens collected for processing
- Assess and deploy new tests (e.g., point of care, serology)



# Task Force is optimizing end-to-end testing workflows



**CA Task Force Team**





# The Task Force is working with OptumServe to open 80 new sample collection sites across the state

	<u>Type of site for sample collection</u>	<u>Number of sites</u>
Existing sites	Drive through collection sites	30+
	Clinics (including VA), physician offices, urgent care centers	40+
New sites	Hospitals (with or without own labs)	200+
	Community testing sites (in partnership with OptumServe)	80



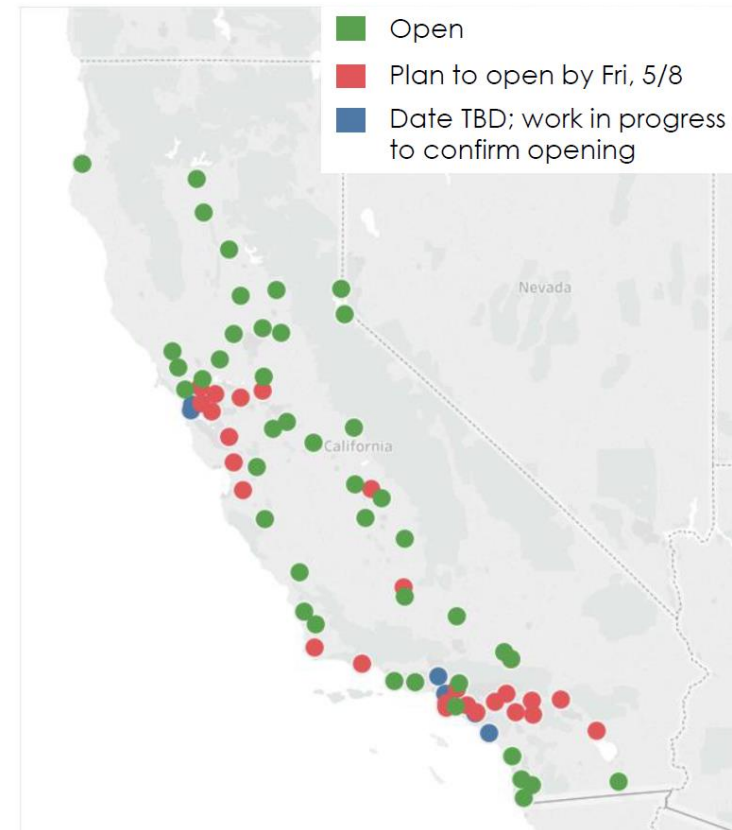
# Additional sites are being established to provide equitable access across the state

## Criteria for recommendation of additional sites:



- Ensure access to testing in underserved communities
- Ensure a collection site within approx. **30 min** driving time in urban areas and within approx. **60 min** in rural areas
- Ensure there is sufficient capacity at each site to handle projected volume

## New COVID-19 collection sites in CA (in partnership with Optum) – as of 5/5/2020





# The Task Force has developed a playbook to stand up new collection sites and mobile testing units

## Goals for the playbook:

- Enable launch of new collection sites rapidly
- Maintain standard workflows, data sharing
- Meet community-driven needs

## TABLE OF CONTENTS

- **Section One:** State-wide network of specimen collection sites
- **Section Two:** “Playbook” for establishing a specimen collection site
- **Section Three:** How to implement network

## SAMPLE CONTENTS

### CASE STUDIES

WellChild, Los Angeles<sup>1</sup>



Utah Department of Health<sup>2</sup>

WellChild and

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Utah Department of Health staff set up a mobile testing clinic in Navajo Mountain April 13-14. The state has also deployed mobile testing teams to nursing homes, correctional facilities and homeless housing units.

Operational highlights:

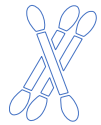
- Population served: Navajo Nation
- Equipment: Van, 1,500 test kits, PPE
- Team: 3 nurses
- Documentation: Conducted through Utah Navajo Health System
- Testing capacity/day: >160 tests/day<sup>3</sup>
- Follow-up: Patients notified 4-5 days post specimen collection; Free mental health counseling
- Lab used: Utah state lab in Salt Lake City



# The Task Force is making progress to secure scarce collection supplies

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## Supplies needed for specimen collection and transportation



Swabs

Transport medium

Collection tubes



Biohazardous bags

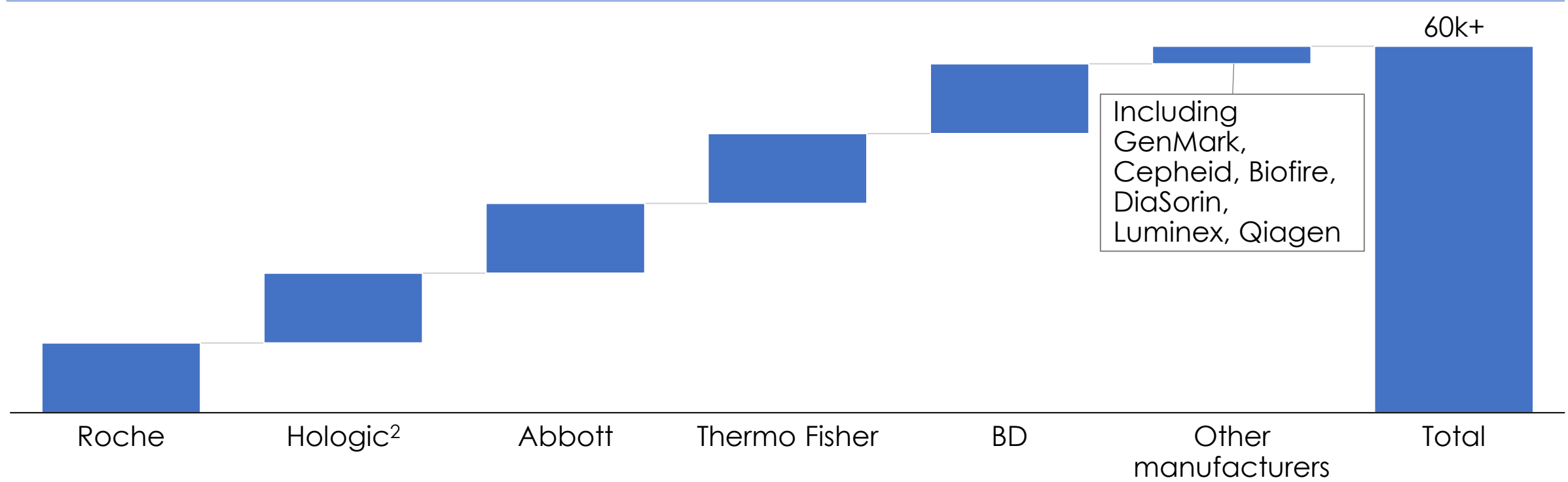


Personal protective equipment  
(e.g., N95 masks, gowns, gloves)



# California has sufficient lab capacity to meet the Task Force's daily testing goal

## Capacity for PCR COVID-19 test processing in California<sup>1</sup>

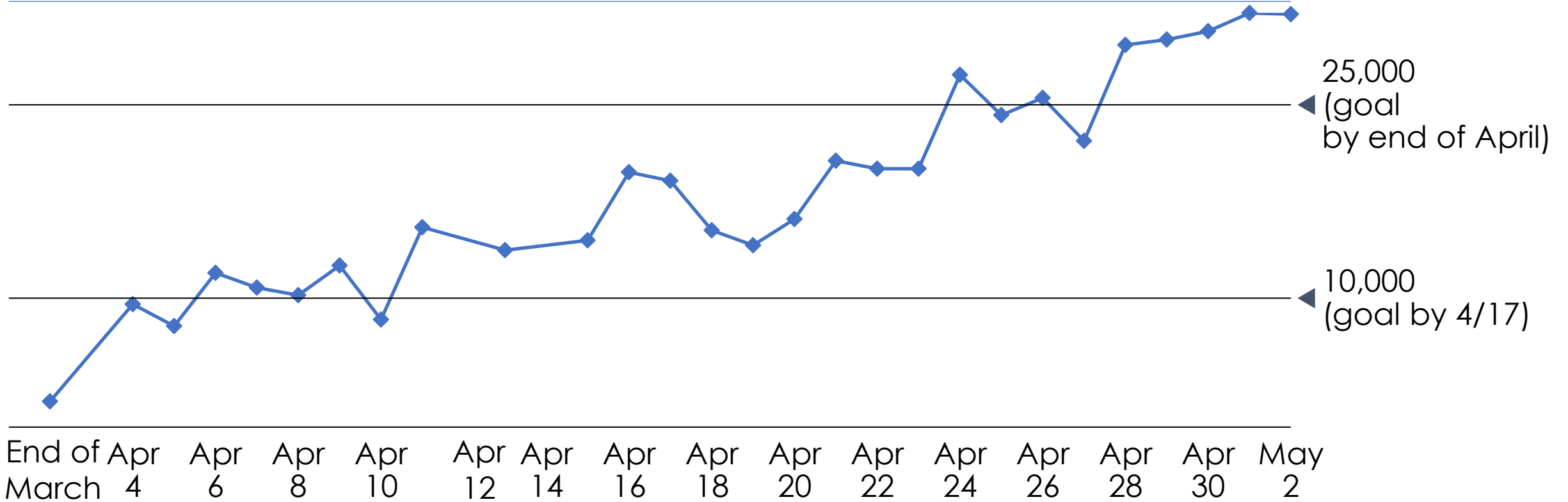


<sup>1</sup> Relative capacity takes into account availability of supplies for test processing and lab operating hours  
<sup>2</sup> Calculation based on lab reported install base, assume same throughput as Panther Fusion once test kit is approved  
 SOURCE: Install base aggregates data reported by labs; information is being refined through targeted outreach



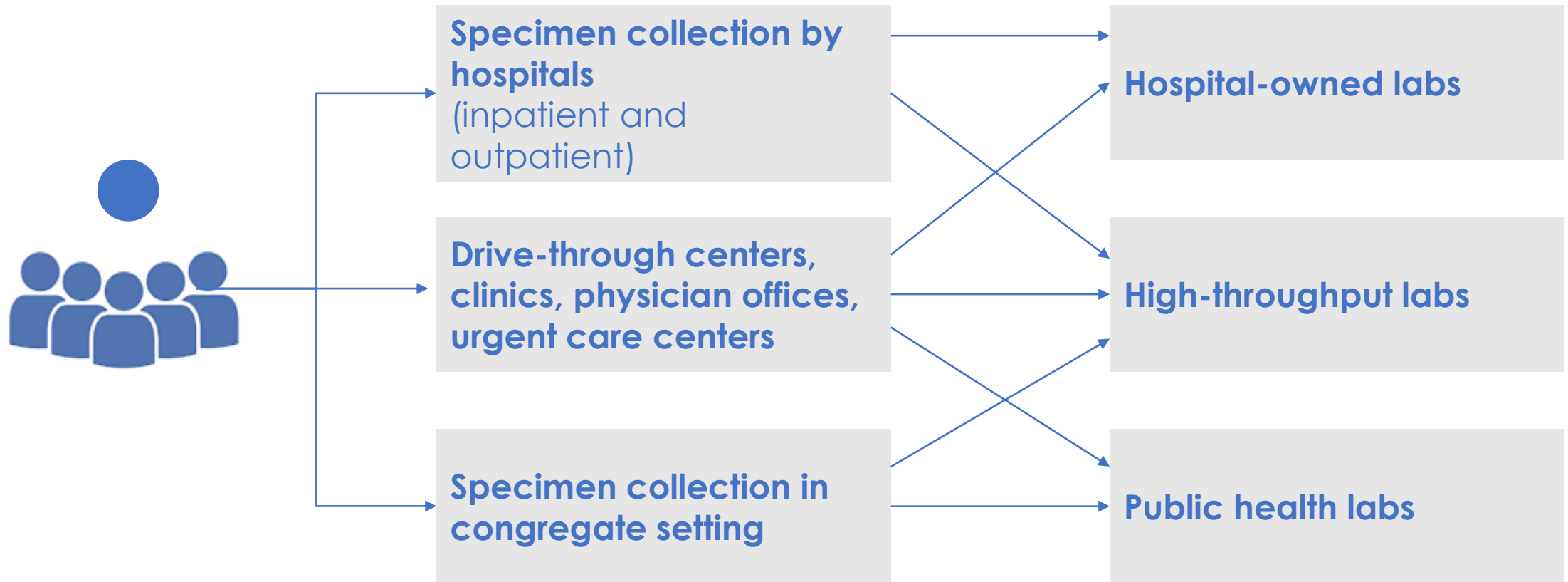
# We are tracking tests/day daily

## Total testing volume in California, tests/day





We will use this information to provide recommendations as to where collected specimens should be sent



### Role of the Task Force

Guide people toward staffed and supplied collection sites

Match collection sites to labs that have capacity for faster test processing turnaround





The Task Force is developing a dynamic model to inform where supplies should ideally be distributed

Maximum capacity for COVID-19 testing in California

Testing volume by lab

Supply inventory in labs and collection sites

Expected supply shipments for distribution

**Model engine:**

identification of bottlenecks and opportunities to increase throughput



**Allocation decisions (made by appropriate state authorities)**

Allocation based on criteria approved and prioritized by state decision-makers



**Projected changes in testing volumes**

# We are also examining new tests and alternative methods

## Assessment approach



### **Serology tests** *(details follow)*

Technical assessment that includes a comprehensive set of performance metrics and follows a systematic multi-step approach

### **Rapid point of care tests**

Focus on congregate settings, vulnerable populations, and first responders

### **Specimen pooling**

Assessment focused on feasibility and identification of low prevalence areas where pooling may be beneficial

# The Task Force has developed recommended minimum performance levels for serology tests

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## Assessment scheme

Step 1

Does the testing method have performance data derived from clinically and scientifically valid methods?

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Step 2

Does the testing method have adequate clinical sensitivity (min 90%) and specificity (97%)?

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Step 3

What is the relationship of sensitivity/specificity and predictive values for each test method?

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Step 4

What are additional available performance metrics (e.g., turnaround time, specimen type, reagent stability and availability)?

# What we hope you take away from this session

- We have developed a comprehensive but highly manual picture of testing in CA
- Picture is dynamic, changing every day
- Task Force is working hard to help:
  - Optimize distribution of testing supplies and equipment where needed
  - Recommend when new tests should be put into widespread use
  - Propose resources needed to expand testing capacity
  - Ensure equitable and appropriate statewide access to testing
- Efforts are gaining traction as we have moved from ~2,000 tests per day when we started, to going past our 25,000 tests per day goal by end of April
- We have a path to further increase tests per day to 60,000-80,000 per day and plenty of work left to do to achieve it

## Next Steps

- Newsletter with updates about our work
- Please reach out to [testing.taskforce@state.ca.gov](mailto:testing.taskforce@state.ca.gov) if you have any questions about the Task Force efforts