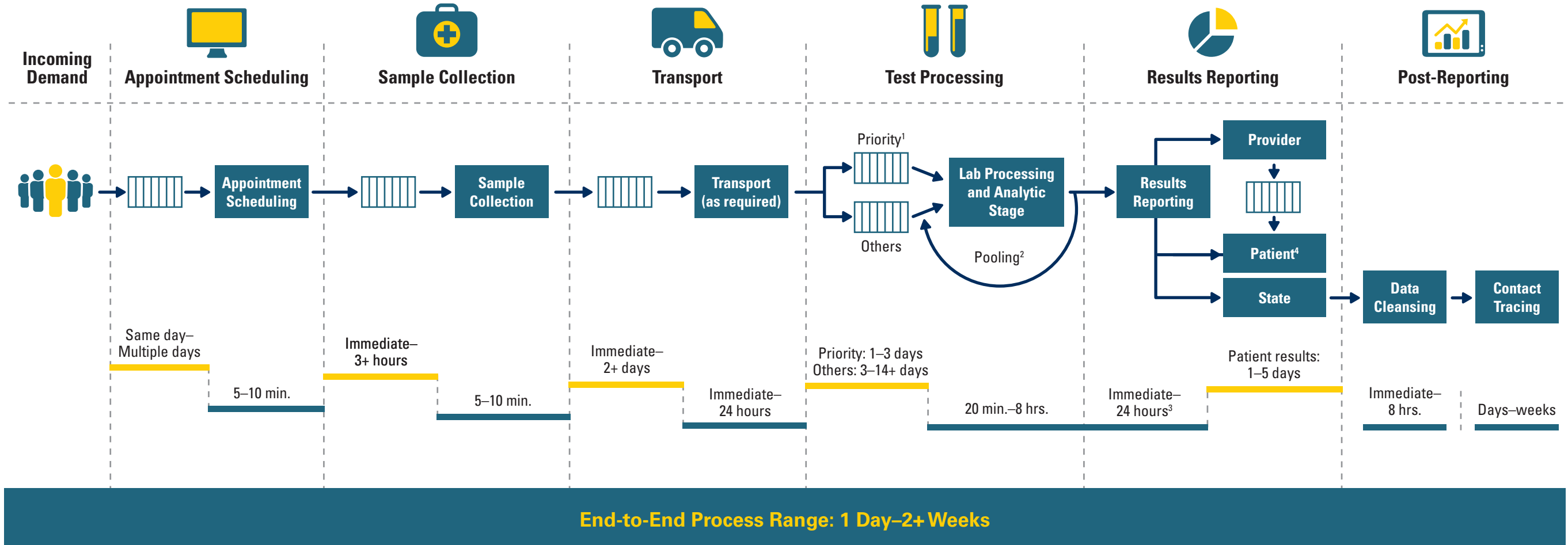


Appendix

Exhibit I: COVID-19 RT-PCR Testing Process Flow



Incoming Demand Encompasses

- Individuals with symptoms
- Individuals with no symptoms with referral from PCP or health system
- Individuals with no symptoms and no referral



Queuing/
waiting



Activity



Wait time
in queue



Activity
time

Footnotes

- 1 Prioritization varies by laboratory
- 2 In cases of pooling, repeat processing for individual samples occurs if pooling outcome is positive
- 3 CDC requirement: Labs must report results to the state of individual's residence within **24 hours** of test completion
- 4 Missing data fields such as patient contact information results in additional processing time delays. Some labs contact patients directly, while others work through providers.

Exhibit II: Supply Chain Map—Material and Information Flows

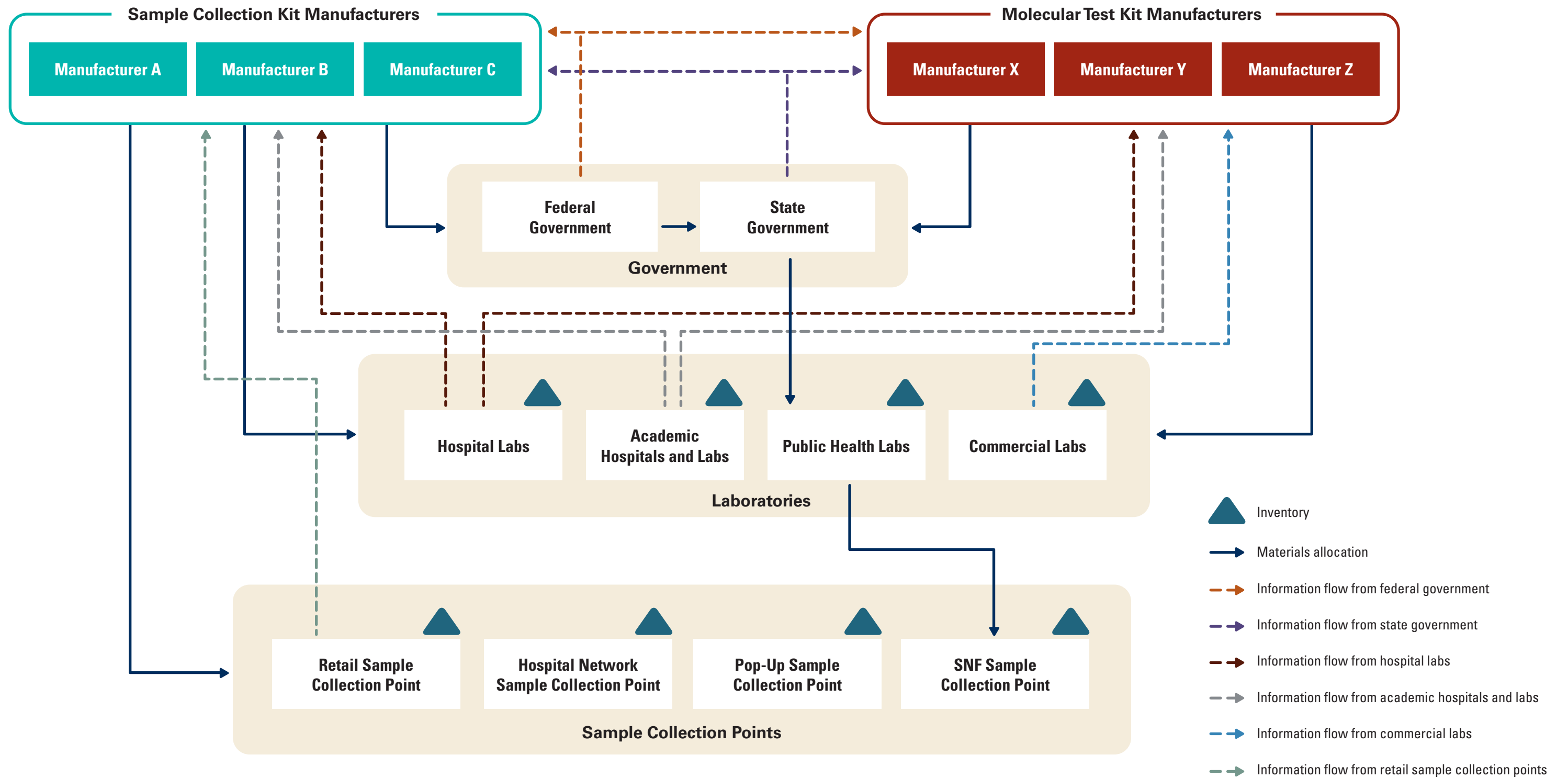
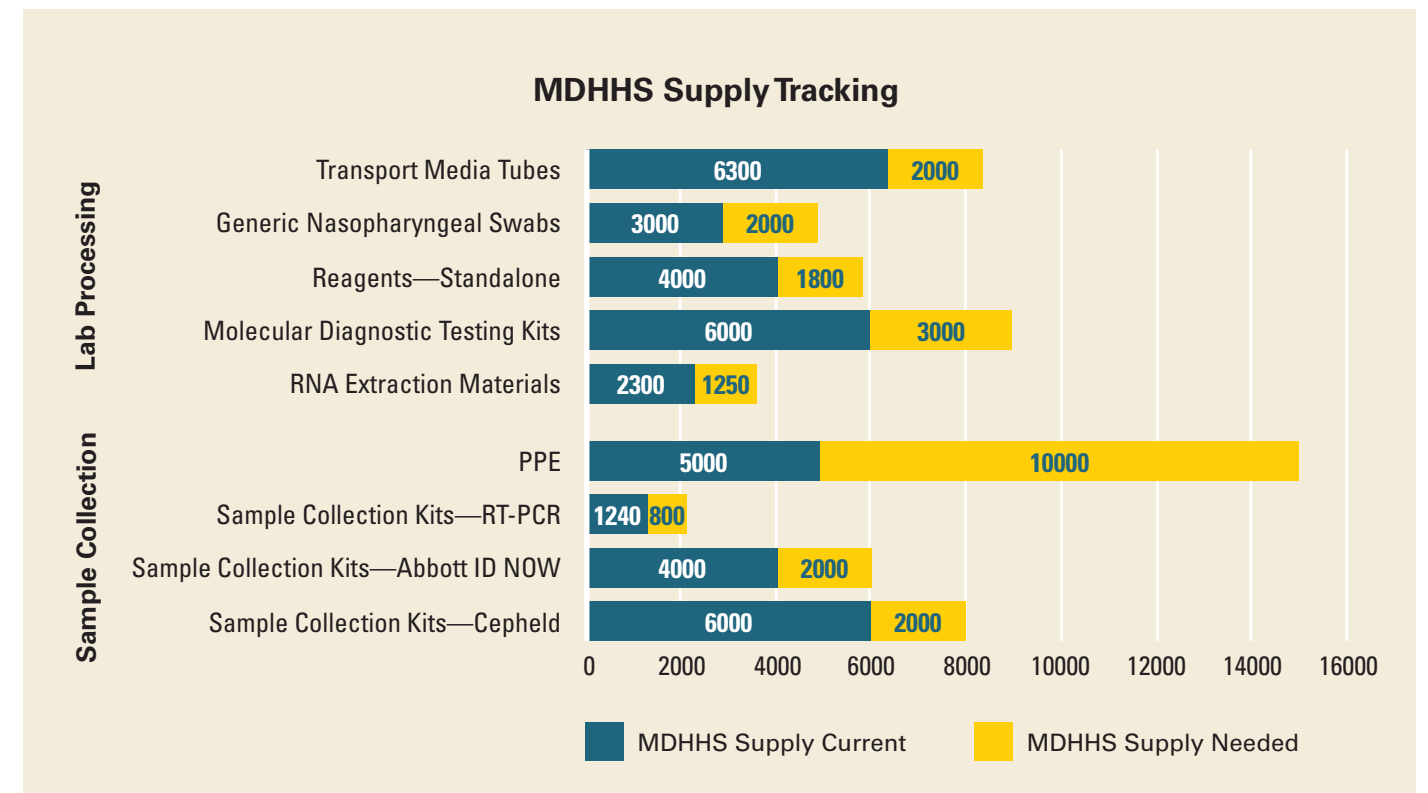
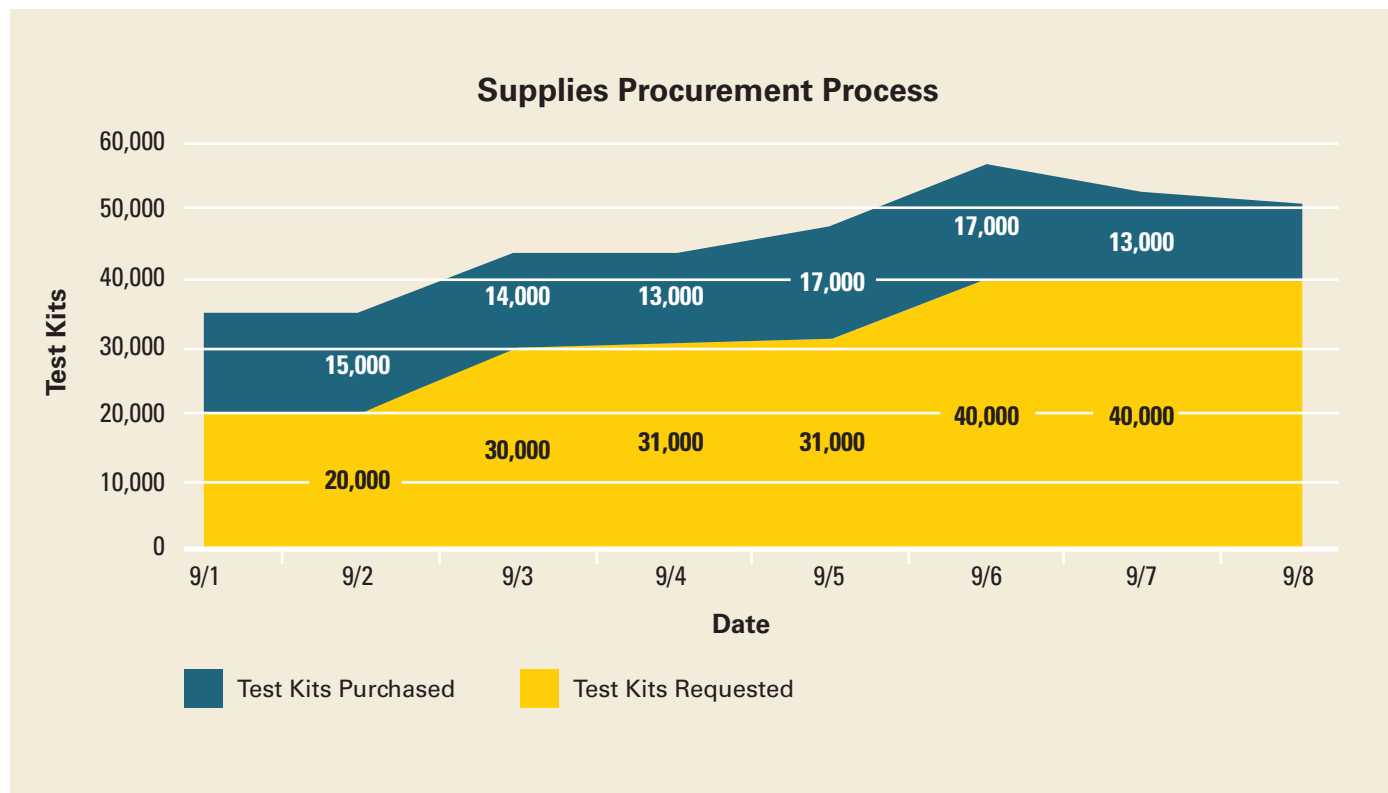
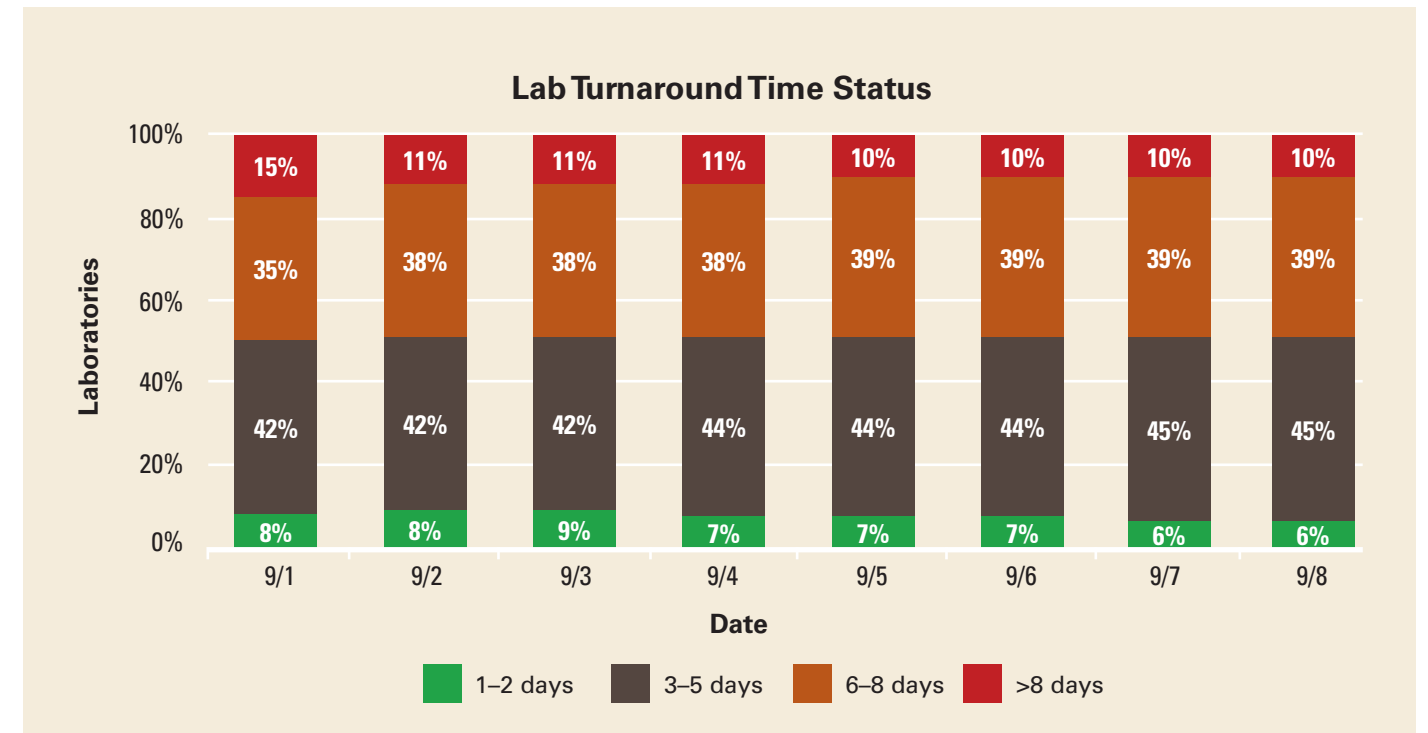
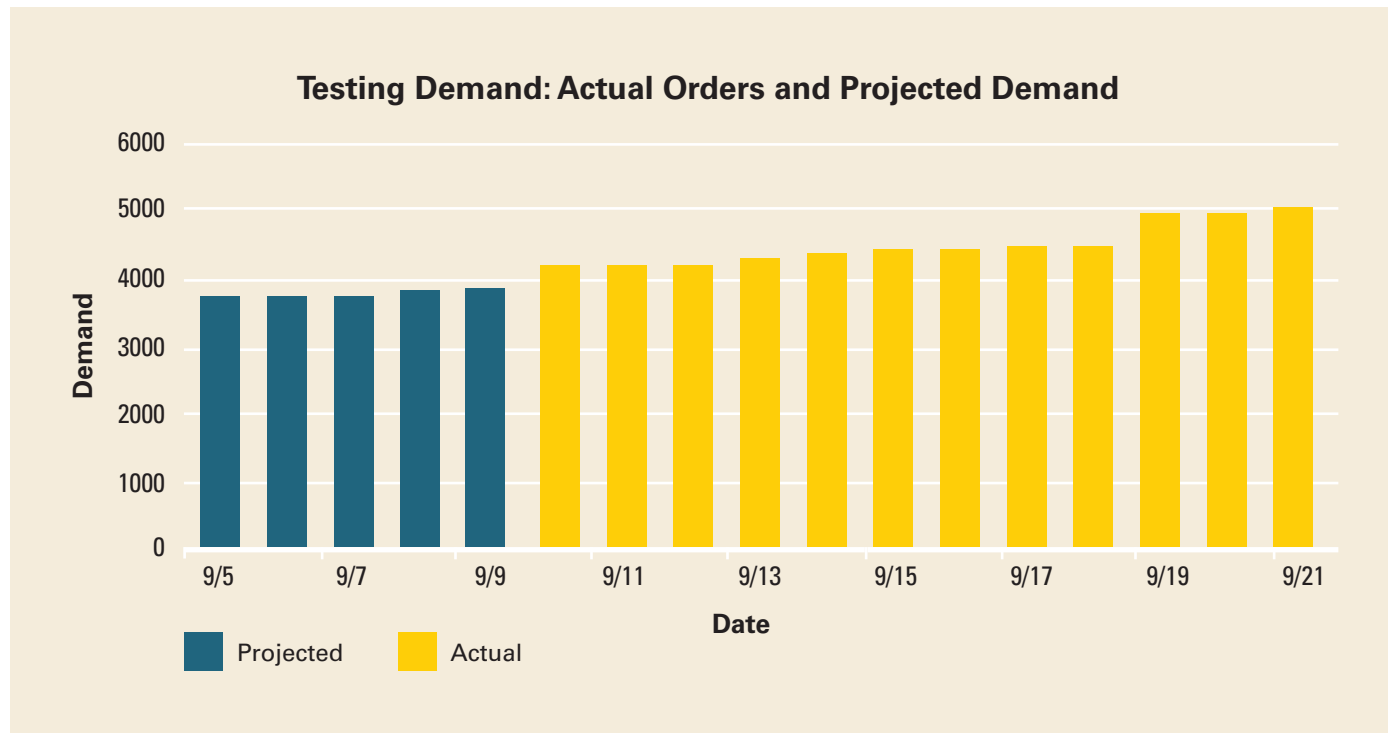


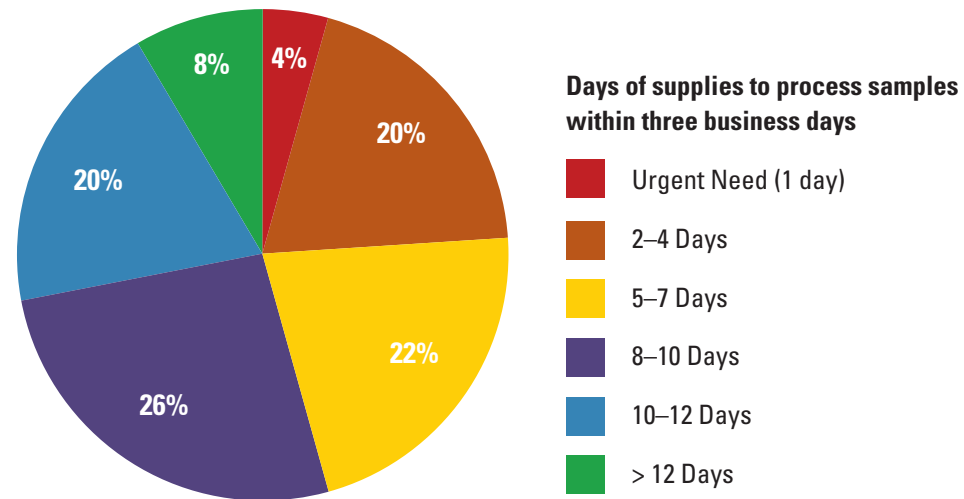
Exhibit III: Michigan Internal State Dashboard to Assess Progress (Illustrative)*



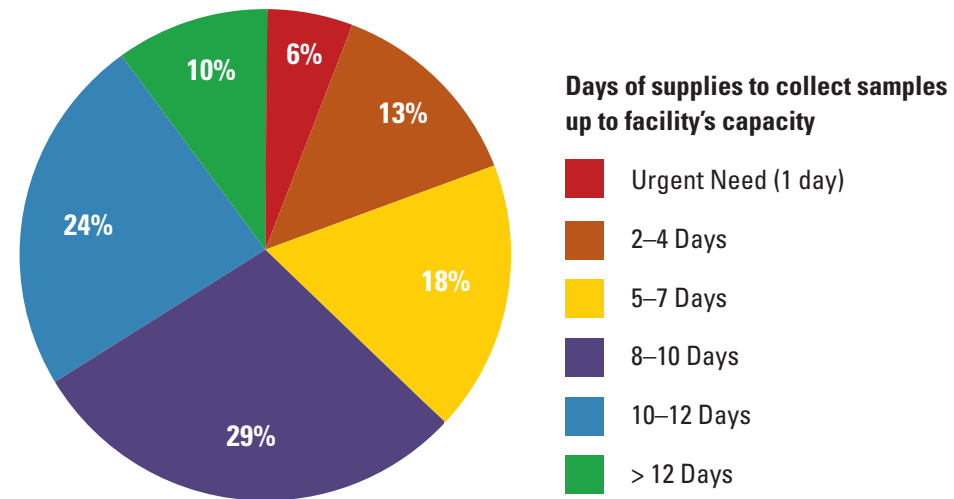
*The internal state dashboards are for illustrative purposes only and do not represent actual data.

Exhibit III: Michigan Internal State Dashboard to Assess Progress—Continued (Illustrative)*

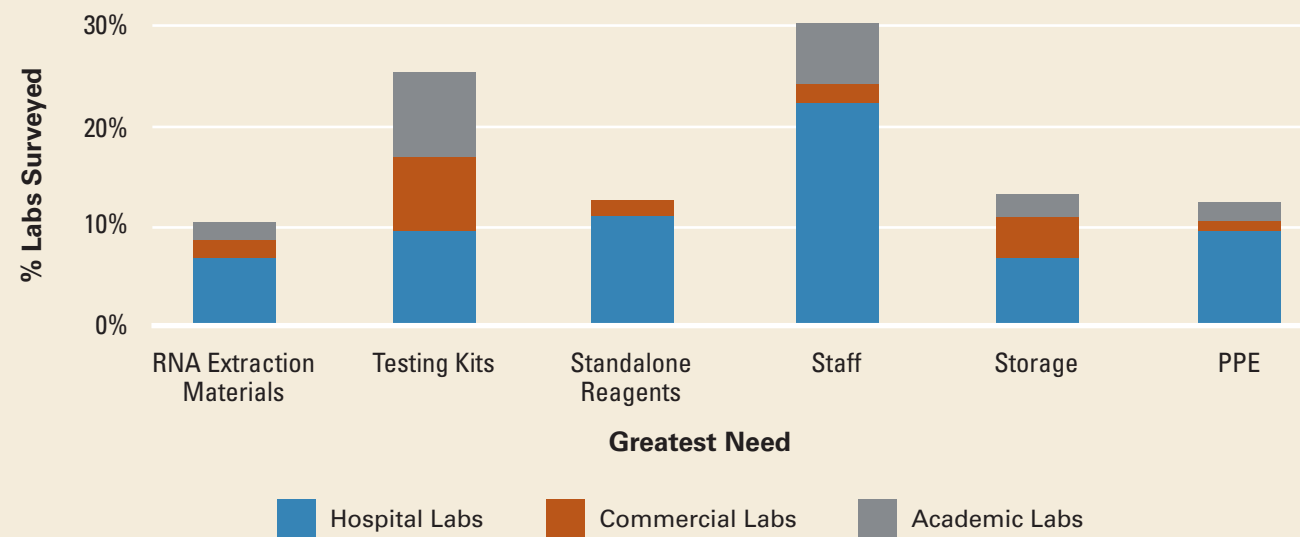
Laboratory Inventory Tracking



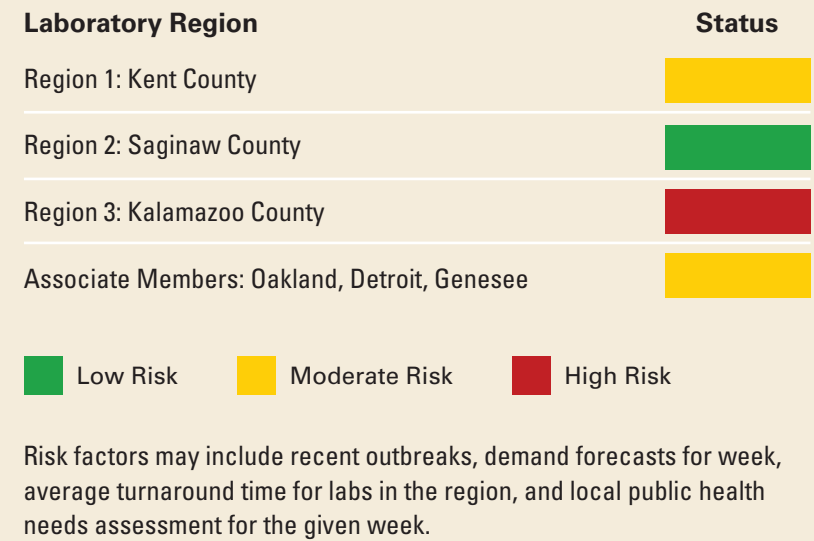
Sample Collection Points Inventory Tracking



Laboratory Needs Assessment

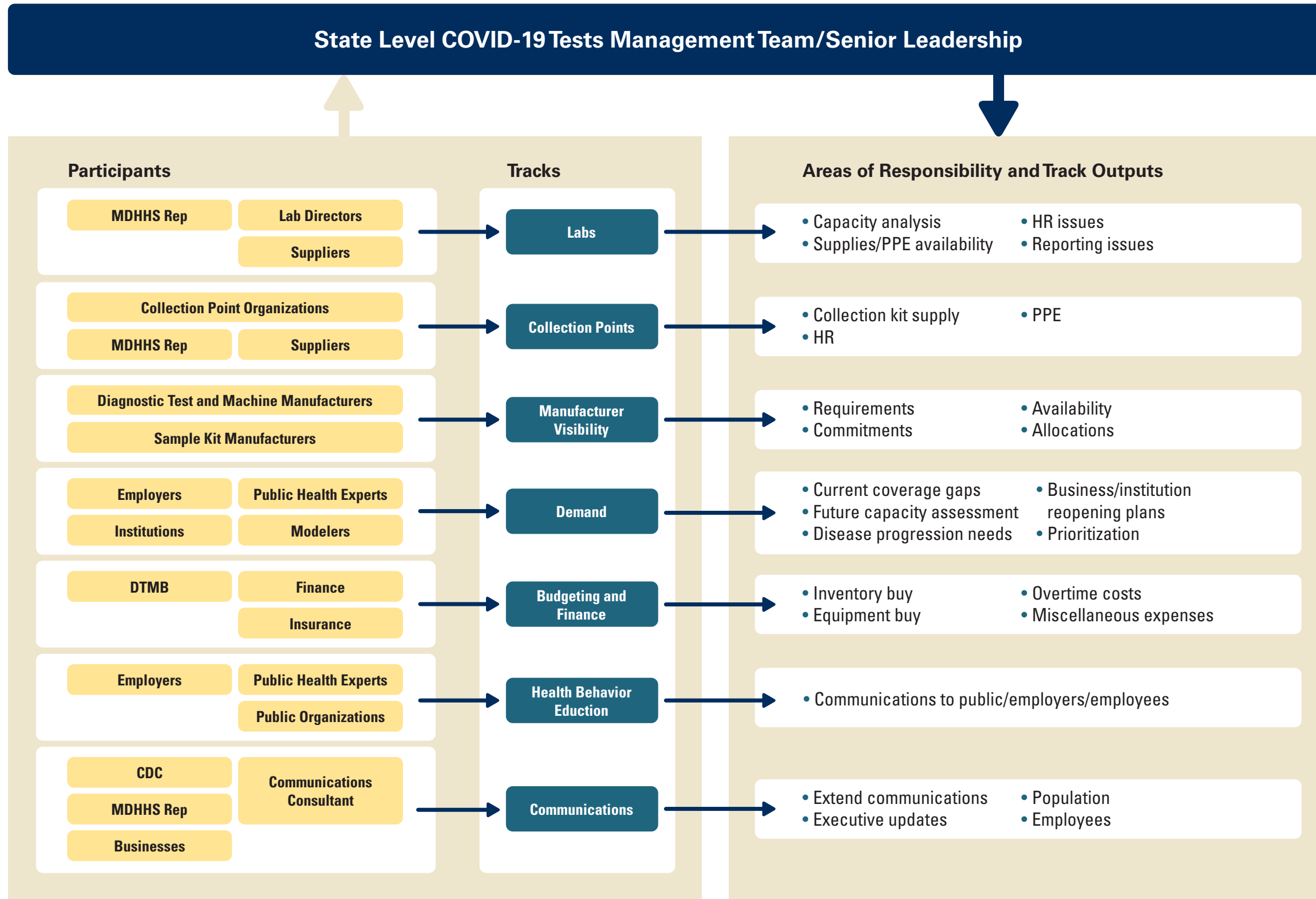


MDHHS Regional Laboratory System



*The internal state dashboards are for illustrative purposes only and do not represent actual data.

Exhibit IV: Track Scope and Stakeholders for COVID-19 Testing Management (Illustrative)



Track Descriptions

1. Labs track: Use a visual dashboard (e.g., Figure I) to monitor real-time test turnaround-times, lab capacity and constraints, and orchestrate the network to optimally load balance and reduce overall turnaround time
2. Collection Points track: Use a visual dashboard (e.g., Figure II) to monitor real-time collection point capacity and constraints, identify hot spots, and improve equitable access to testing
3. Manufacturer Visibility track: Develop demand projections, plan supply requirements, and make firm multi-period medium-term commitments with manufacturers for sample collection supplies, test kits, and reagents
4. Demand track: Assess coverage gaps, monitor hotspots, disease progression, business re-openings, etc. to better assess future capacity needs
5. Budgeting and Finance track: Ensure adequate budgetary allocations to make commitments for medium-term supply needs and new capacity investments
6. Health Behavior Education track: Develop behavior change strategy recommendations to help institutions and business manage
7. Communication track: Develop effective communication strategies appropriate for different stakeholders on topics such as education/awareness, progress highlighted through select performance indicators (e.g., volume of tests, turnaround times, positivity rates, etc.), and updates to role expectations (e.g., federal & local governments, laboratories, providers, payers, academic institutions, businesses, and population)