



Moving Forward from the COVID-19 Crisis:

Laboratory Trends and Challenges

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COVID-19 and Laboratories

- Laboratories currently face a crisis on two fronts – a critical need for an massive level of PCR testing to track COVID-19 spread, as well as plummeting test volumes for routine testing
- The clinical laboratory has been in the national spotlight throughout this crisis
- We are witnessing societal and behavioral changes that may very well be permanent.



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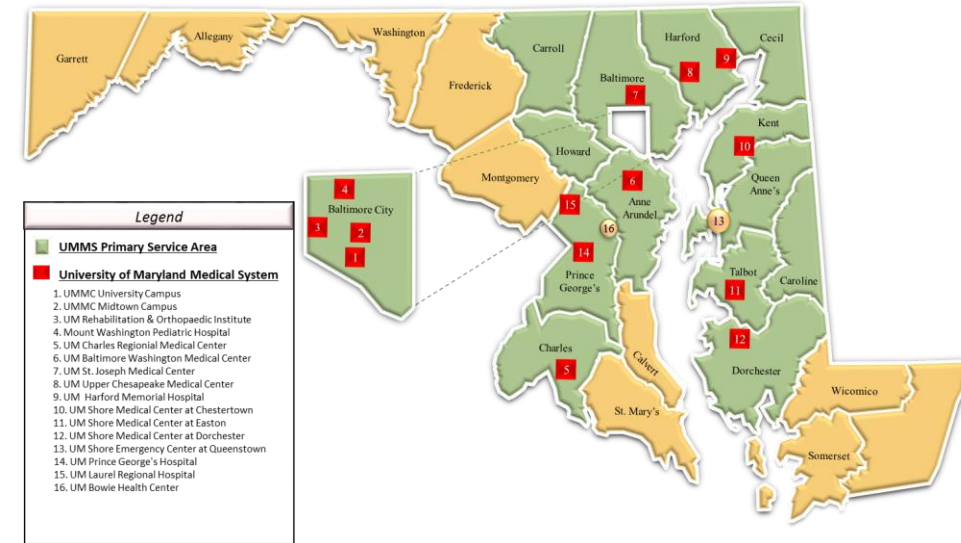
University of Maryland Medical System

UMMS is comprised of an Academic Medical Center and 13 affiliate hospitals, which delivers comprehensive health care services, including physician networks, urgent care centers, and health plans, throughout Maryland.

- \$4.2 Billion Annual Revenue
- 2,487 Licensed Beds
- 28,325 Employees
- 3,853 Affiliated Physicians

UMMS Laboratory Medicine and Pathology supports physicians throughout the state of Maryland by providing ~7.2M diagnostic tests/year.

UMMS is making great strides towards consolidating testing into the medical center. Currently, Microbiology has been consolidated from 3 hospitals and a 4th is in progress.





- Integrated, not-for-profit health system
- Utah, southern Idaho, southern Nevada
- 24 hospitals (includes “virtual” hospital)
- ~ 160 clinics
- Wholly owned subsidiaries
 - » SelectHealth
 - » HealthCare Partners Nevada



- 21 hospital based labs
- 2 under construction
- 1 system central lab
- > 13M billed tests/year
- Standardized instrumentation platforms and normal ranges
- Standard LIMS
- System QA team
- System POC oversight
- Technical work groups identify and implement best practice

HealthPartners – Bloomington, MN



- Integrated Health System and Health Plan in Minnesota and Western, Wisconsin: 1.2 million patients, 1.8 million health plan members
- 8 hospitals: 2 large metro hospitals in Minneapolis/St. Paul, 2 medium size hospitals and 4 critical access
- 75 ambulatory clinics – primary care, urgent care, specialty and Well-at-Work
- Community Based Services: Home Care, Hospice and Senior Care
- Virtuwel: Virtual healthcare operating in 13 states
- Health Plan: MN, WI, SD, ND, IA and IL
- Laboratory: 900 laboratory professionals employed in the following labs
 - » 8 hospital laboratories
 - » 75 clinic laboratories
 - » Central Independent Esoteric Laboratory
 - » Pathway Outreach program
 - » Centralized Services: Microbiology, cytology and histology, esoteric testing, toxicology, flow cytometry, special coagulation
 - » 30 member employed pathology group
 - » Laboratory-based genetic counselors

INTERMOUNTAIN HEALTHCARE

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HEALTH PARTNERS

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UNIVERSITY OF MARYLAND MEDICAL SYSTEM

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Key Takeaways

- Laboratorians have an unprecedented opportunity to work with healthcare leaders to solve problems. The value of the laboratory is created by laboratorians
- Delivering laboratory services is going to look different as tele-health becomes a major care delivery pathway



A nonprofit enterprise of the University of Utah and its Department of Pathology