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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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 oversite
• 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
- Virtuwell: 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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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