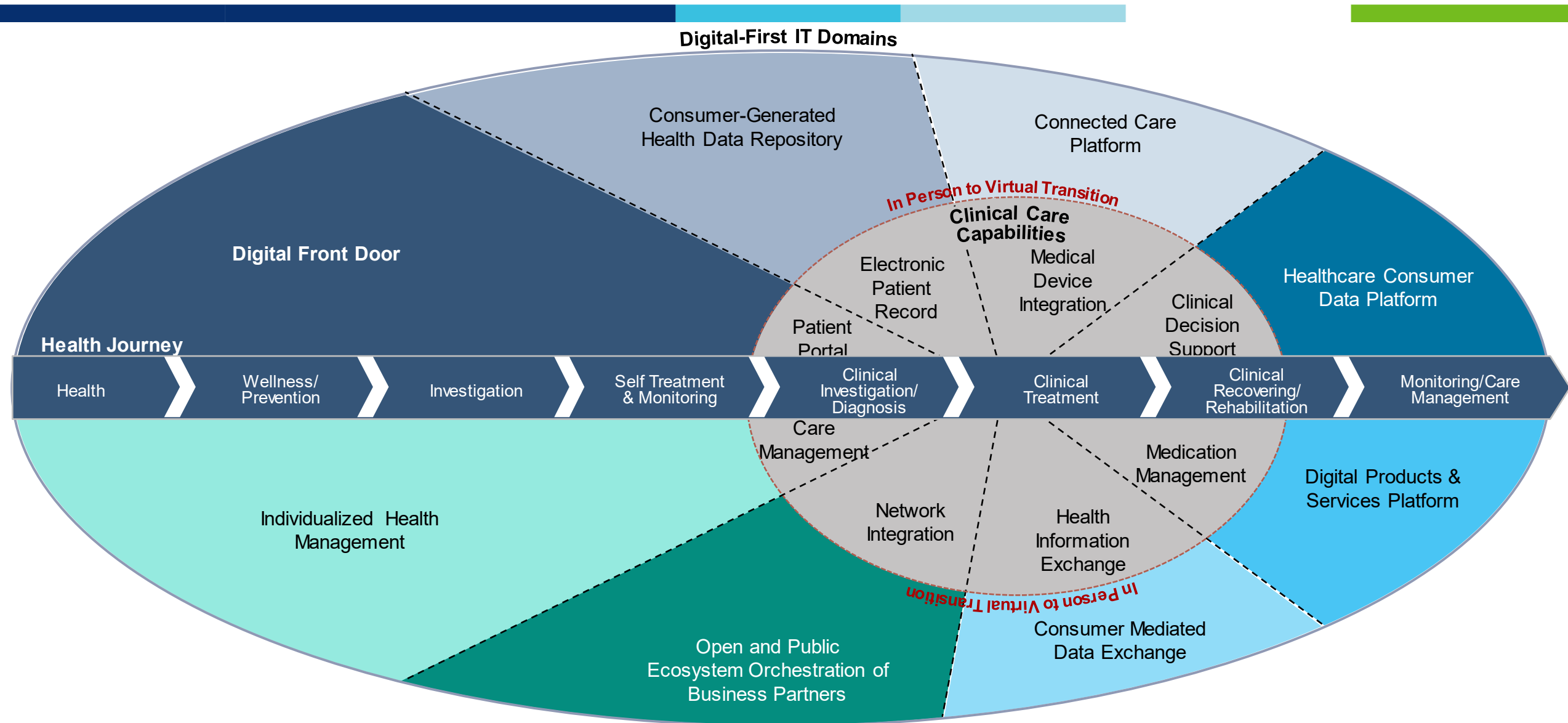


High Quality Cancer Care: Workforce Considerations

Opportunities to Leverage Digital Innovation

Edmondo Robinson, MD, MBA, MS, FACP
Senior Vice President and Chief Digital Officer
H. Lee Moffitt Cancer Center and Research Institute

Digital in Healthcare



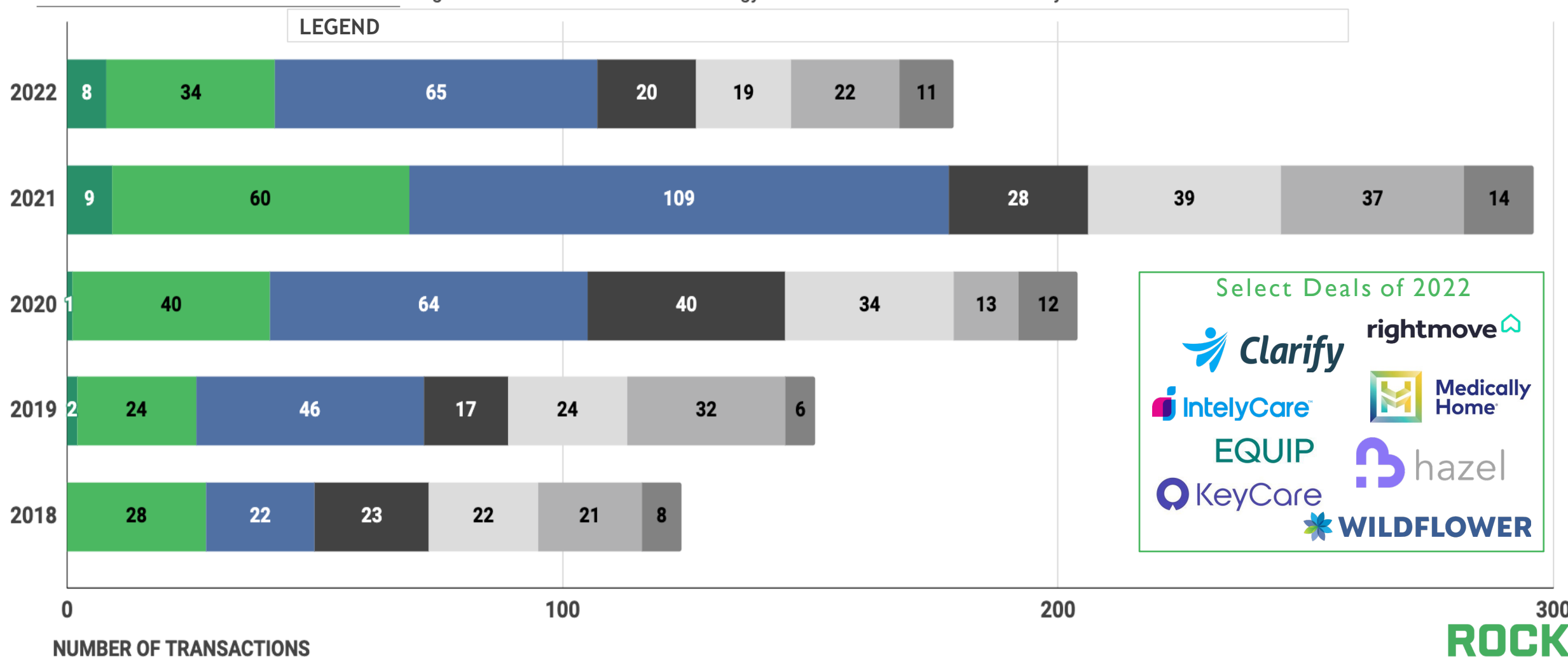
Digital in Healthcare – Venture Investment



CORPORATE VENTURE CAPITAL (CVC) DIGITAL HEALTH TRANSACTIONS

Digital Health Traditional Technology Provider BioPharma Payer Other Medical Device

LEGEND



Select Deals of 2022



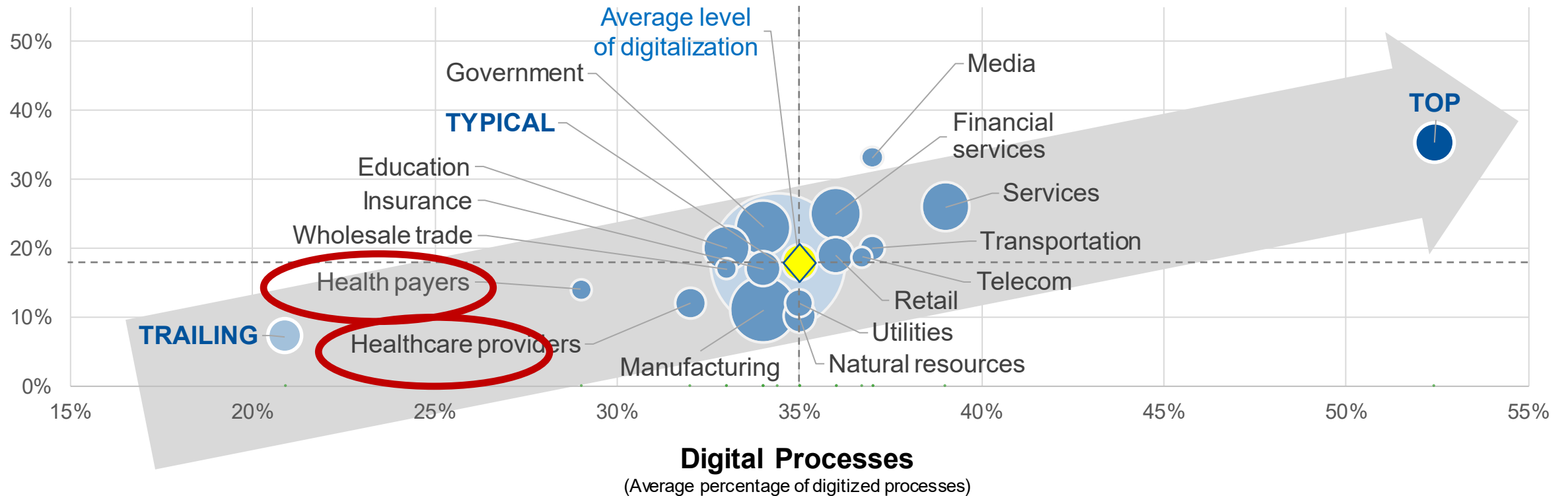
EQUIP



Healthcare Providers & Payers Lag in Digital Business

Digital Revenue

(Average percentage of digitalized business)



What percentage of your organization's total revenue would you attribute as digital sales revenue today?/How much of your organization's total turnover/budget can be attributed to fully digital services (or products) delivered to your external constituents (e.g., citizens, students, patients, other agencies)?

What percentage of your organization's processes (core and support) have been optimized (made more efficient) through digital means? Top (n = 91), Typical (n = 1,180), Trailing (n = 60).

Base: All company types and have a digital initiative. Size of bubble represents size of sample.

Manufacturing (n = 560), natural resources (n = 128), media (n = 48), services (n = 290), government (n = 386), education (n = 255), retail (n = 161), wholesale trade (n = 47), financial services (n = 323), insurance (n = 138), health payers (n = 47), healthcare providers (n = 111), transportation (n = 106), utilities (n = 89), telecom (n = 51), Top (n = 182), Typical (n = 2,433), Trailing (n = 134)

CANCERX™

CO-HOSTED BY



CancerX Approach

Pre-competitive Evidence Generation

A rolling series of multi-stakeholder initiatives will develop evidence, best practices, toolkits and value models to drive the success of the mission.

Equity and Financial Toxicity Project



Demonstration Projects

These implementation projects will pilot novel, mission aligned approaches to demonstrate their value and sustainability for scale to drive broad adoption.

Accelerator

This program will provide mentorship, education, and exposure to funding and clinical partnership opportunities to a start-up cohort aligned with the mission.

THE WHO



Advancing Cancer
Treatment Through
DIGITAL INNOVATION

CANCERXTM

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MOFFITT
CANCER CENTER



DIME
DIGITAL
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Project Partners



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COMMUNITY IS STRONGER THAN CANCER



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for Health Information Technology

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pluto 

Science 37[®]

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tdv

"TEMPUS

 **touch**
THE BLACK BREAST
CANCER ALLIANCE

VA  U.S. Department
of Veterans Affairs

Members also include the National Cancer Institute

Overview of The Core Competencies

Objectives

01

Digitally
Enabled Access

- ✓ Expedite Time to Diagnosis and Treatment
- ✓ Expand Care Footprint
- ✓ Extend Clinical Research Opportunities
- ✓ Bridge the Digital Divide

02

Tech Assisted
Financial
Navigation

- ✓ Digitize Financial Risk Screening
- ✓ Leverage Technology for Patient Engagement On Cost of Care
- ✓ Automate Connections To Financial Support

03

Personalized
Patient
Experience

- ✓ Tailor Digital Patient & Caregiver Education
- ✓ Integrate Technology & Culturally Sensitive Care
- ✓ Connect Patients to Psychosocial Support

04

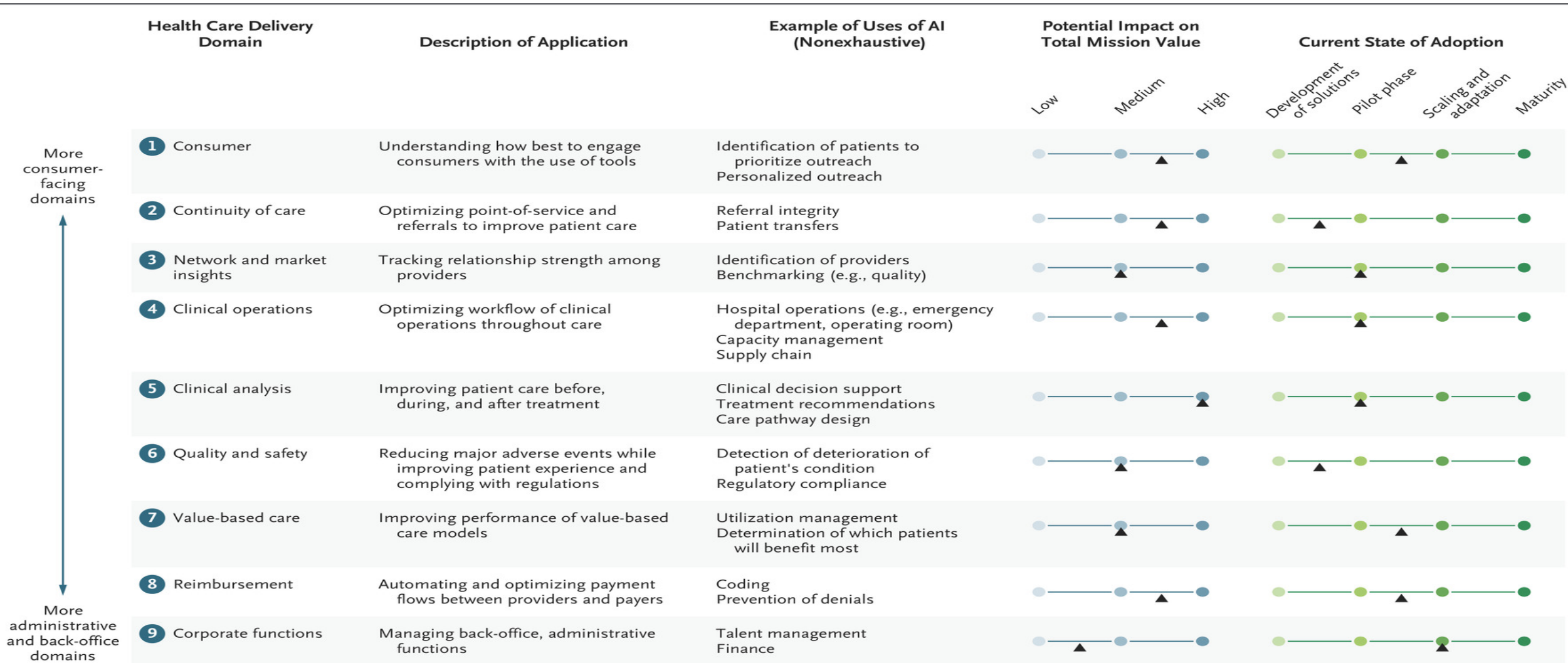
Clinical and
Operational
Integration

- ✓ Adapt Existing Health System Technology Infrastructure
- ✓ Empower Cancer Care Providers
- ✓ Engage Health System Staff in Team-based Care



Is Artificial Intelligence the Answer?

Uses of AI in Healthcare



Challenges to AI Adoption

	Categories of Successful AI Deployment	Goal	Challenges
Strategic Vision	1 Mission-led road map	Ensure a clear view of where the value is going to be and a road map to get there	Part of the Solution: Ongoing belief that AI is a “silver bullet” rather than part of a broader solution Transformative Potential: Focusing only on the “incremental” opportunity rather than reimagining for the “transformative” potential Total Mission Value: Focusing only on financial factors rather than accounting for nonfinancial factors such as quality improvement, patient safety, patient experience, clinician satisfaction, and increased access to care Focus: Pursuing many domains rather than 1 or 2 “priority” domains with multiple uses of AI Timing to Impact: Misconception that AI is a “quick win” rather than a process that is implemented over multiple years
	2 Talent	Ensure that the correct skills and capabilities are available to execute and innovate	Skills: Missing skill sets in workforce to implement and manage AI Talent Road Map: Lack of long-term plan for workforce hiring, upskilling, and reskilling as AI use expands Education: Underinvestment in making workforce AI-literate
Key Enabling Factors	3 Agile delivery	Increase the speed at which teams are able to deliver work	Culture: Negative attitude toward AI or lack of consensus Funding: Limited ongoing funding to deploy AI
	4 Technology and tooling	Allow the organization to move quickly, with flexibility and resiliency	Technology Infrastructure: Inability to integrate AI into legacy systems, secure AI, or provide necessary computing power Data Preparation: Underinvestment in tools to properly prepare data
	5 Data management	Use data intelligence to derive a competitive advantage	Completeness: Inability to address data gaps with the use of internal or external sources Unbiased Data: Lack of awareness of inherent biases in data, such as data that are limited to one health system site Availability: Missing scale in the number of data points to train AI Data Governance: Governance to manage data is not formalized
Implementation	6 Change in operating model of the organization	Develop business processes, employee skills, and structures to realize total mission value	Change Management: Lack of recognition that translating strategic vision requires different behavior changes for everyone in the workforce, as well as coaching Workflow Integration: Failure to integrate AI into clinical workflow to minimize the behavior change needed Cross-functional Teams: Not creating fully cross-functional teams, such as clinicians, technologists, and operations professionals Transparency: Inability to overcome “black box” nature of AI, such as quantification of assumptions Interpretable Output: Not providing easy-to-understand output with relevant information to enhance decision making Operational Governance: Not creating a formal governance structure to oversee all aspects of implementation and ongoing management

INSTEAD OF RISKING ANYTHING NEW,
LET'S PLAY IT SAFE BY CONTINUING OUR
SLOW DECLINE INTO OBSOLESCENCE.

