Creating a Culture of Innovation at Rush University Medical Center

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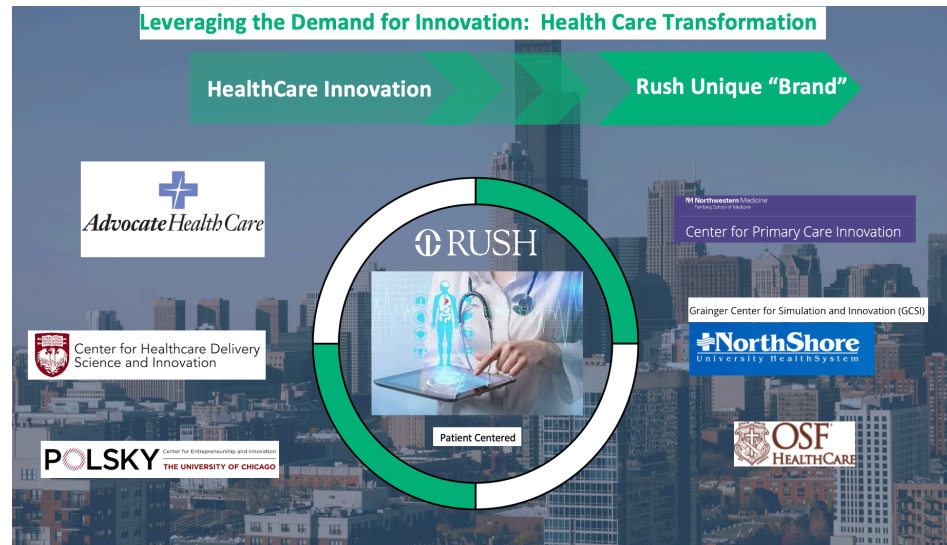**RUSH** — Rush University System for Health

ELAM

BACKGROUND

- Rush University System for Health has embarked on a comprehensive philanthropic campaign, with a working goal of $650 million.
- Great momentum — approximately $270 million has already been raised.
- Six strategic priorities identified: bone and joint, brain health/neuroscience, cancer, education/workforce, health equity, and innovation and discovery.
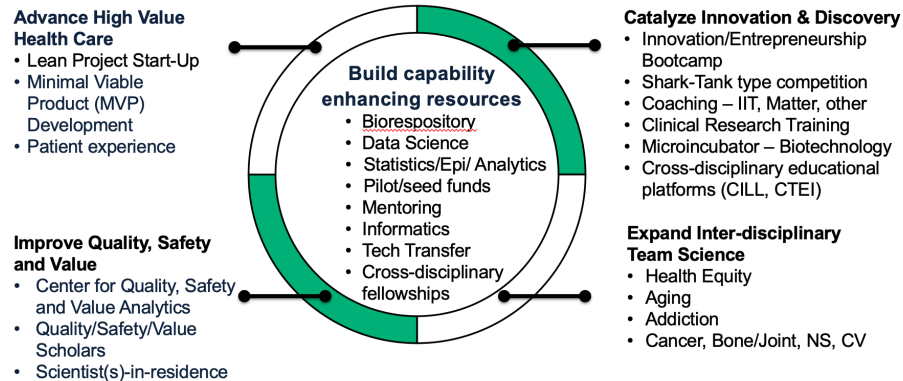
OBJECTIVE

Accelerate innovation and discovery across patient care, research, education and health equity, with meaningful solutions to society's greatest health concerns.

APPROACH

- Transform the health care experience and advance novel person-centered, high value models of health care delivery
- Advance groundbreaking discoveries, from personalized treatments, to creative, practical healthcare solutions leveraging AI, predictive analytics, emerging infection and disaster preparedness and other strategies to uncover barriers to health
- Catalyze healthcare innovation and discovery by creating an academic environment and infrastructure that nurtures talented young investigators and seasoned research faculty alike propelling promising ideas and yielding life-changing discoveries

Leveraging the Demand for Innovation: Health Care Transformation

HealthCare Innovation → Rush Unique "Brand"

Advocate Health Care

Center for Healthcare Delivery Science and Innovation

POLSKY — Center for Entrepreneurship and Innovation — THE UNIVERSITY OF CHICAGO

RUSH — Patient Centered

Northwestern Medicine Feinberg School of Medicine — Center for Primary Care Innovation

Grainger Center for Simulation and Innovation (GCSI)

NorthShore University HealthSystem

OSF HealthCare

Rush Institute for Innovation & Discovery (RI²D):

Advance High Value Health Care
- Lean Project Start-Up
- Minimal Viable Product (MVP) Development
- Patient experience

Build capability enhancing resources
- Biorespository
- Data Science
- Statistics/Epi/ Analytics
- Pilot/seed funds
- Mentoring
- Informatics
- Tech Transfer
- Cross-disciplinary fellowships

Catalyze Innovation & Discovery
- Innovation/Entrepreneurship Bootcamp
- Shark-Tank type competition
- Coaching – IIT, Matter, other
- Clinical Research Training
- Microincubator – Biotechnology
- Cross-disciplinary educational platforms (CILL, CTEI)

Improve Quality, Safety and Value
- Center for Quality, Safety and Value Analytics
- Quality/Safety/Value Scholars
- Scientist(s)-in-residence

Expand Inter-disciplinary Team Science
- Health Equity
- Aging
- Addiction
- Cancer, Bone/Joint, NS, CV

MATTER

INNOVATION HORIZONS — TRANSFORMING IDEAS INTO ACTION

ILLINOIS INSTITUTE OF TECHNOLOGY

UI Health | UIC

Partners and Models of Excellence:

Partners: Matter, IIT, UIC, Innovation Horizons
Models: Pennovation Center, TMC Innovation, Microincubators

DISCUSSION

- Innovation efforts siloed
- Identify key stakeholders (faculty, key opinion leaders, Rush leadership including Deans, Chairs, and University leaders).
- SBIR/STTR grant mechanisms
- Lean Innovation / Minimum Viable Product / Innovation Advisory Council
- Educational efforts to operationalize innovation efforts (cross-disciplinary)
- Center for Pandemic Preparedness

SUMMARY

- Opportunity for coordinating efforts and scaling innovation, pivot as pandemic needs manifest - reconceptualize
- RI2D defining priorities - incorporating internal and external partners, legal mechanisms to facilitate research, patent prosecution, and virtual platforms for transforming culture

ACKNOWLEGMENTS
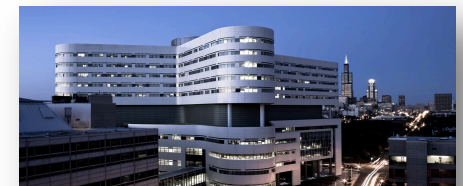
Excellence is just the beginning.