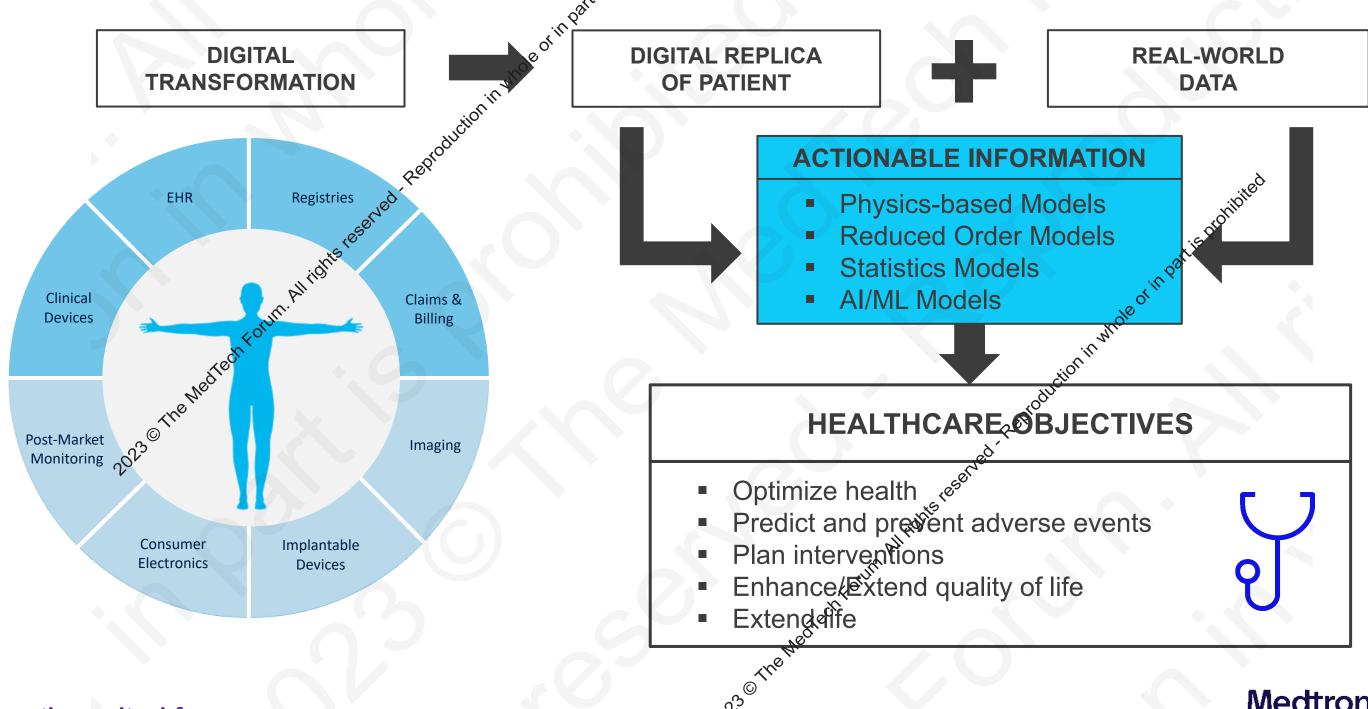




NATHALIE VIRAG, Ph.D. **Distinguished Scientist** MEDTRONIC CORPORATE TECHNOLOGY & INNOVATION

Digital Transformation in Healthcare: Ereate Actionable Information/Prediction



Medtronic

Strong Parallels between the goals of Digital Twin and Personalized Medicine: Improve Personal Health, Prevention, and Disease Management



"While digital twins have been a mainstay in manufacturing and other industries, the healthcare industry has only begun to benefit from their power."

Rod Fontiella (What can digital twin do for healthcare, 2022)

MODIFIABLE FACTORS

- Diet
- Exercise
- Sleep
- Environment
- Social
- Behavioral

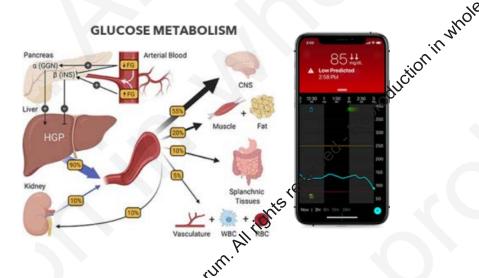
- Therapy decrease Surgery leads of the surgery leads
- Implantables

Medtronic

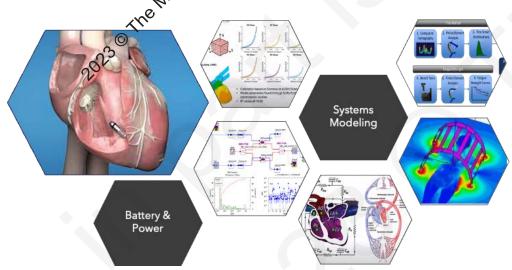
themedtechforum.eu

Partnerships across the Technology & osystems and Healthcare Stakeholders

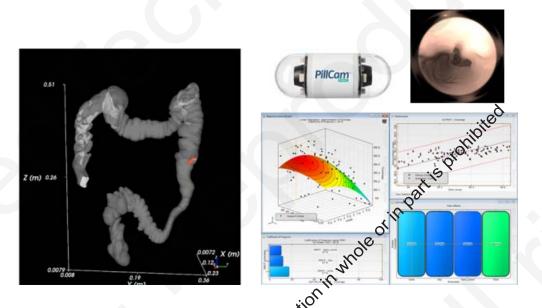
Personalized Treatments



R&D and Clinical Trials



Diagnostics & Outcome Prediction



Optimize healthcare

Reduce cost

Incréase patient satisfaction

Medtronic