The digital twin is the culmination of AI efforts to produce an individualized, life-long, physiological and behavioral model of a person. Applications of the digital twin include precise diagnosis and individualized therapy simulation, selection and outcome prediction.

Facilitated by Ghada Trotabas, SVP-Marketing and Sales Operations, Siemens Healthineers

Together with industry leaders:

- **Diane Holder**, CEO, UPMC Health Plans
- **Jaewon Ryu**, Interim President & CEO, Geisinger
- **Bernd Montag**, CEO, Siemens Healthineers

**Discussion Questions:**

- What is the biggest value of a digital twin for various stakeholders in the health care industry (payers, providers, patients and families)?
- What would need to be true to implement digital twins at scale in clinical routine?
- What could be unintended consequences and how can we prepare for these?
BRASS TACKS DISCUSSION
Digital Twin - Paving the Way for Precision Medicine at Scale

Longitudinal person and patient data

AI-powered personalized human modeling

Cognitive Load

Social determinants

Behavioral

Genomics

Lab data

Vital signs

Imaging

Therapy decision support

Outcome prediction of an intervention

Example:
Cardiac resynchronization therapy

Example:
Prostate cancer

Example:
Chronic kidney disease

NOTES

This feature is based on research, and is not commercially available. Due to regulatory reasons its future availability cannot be guaranteed.