

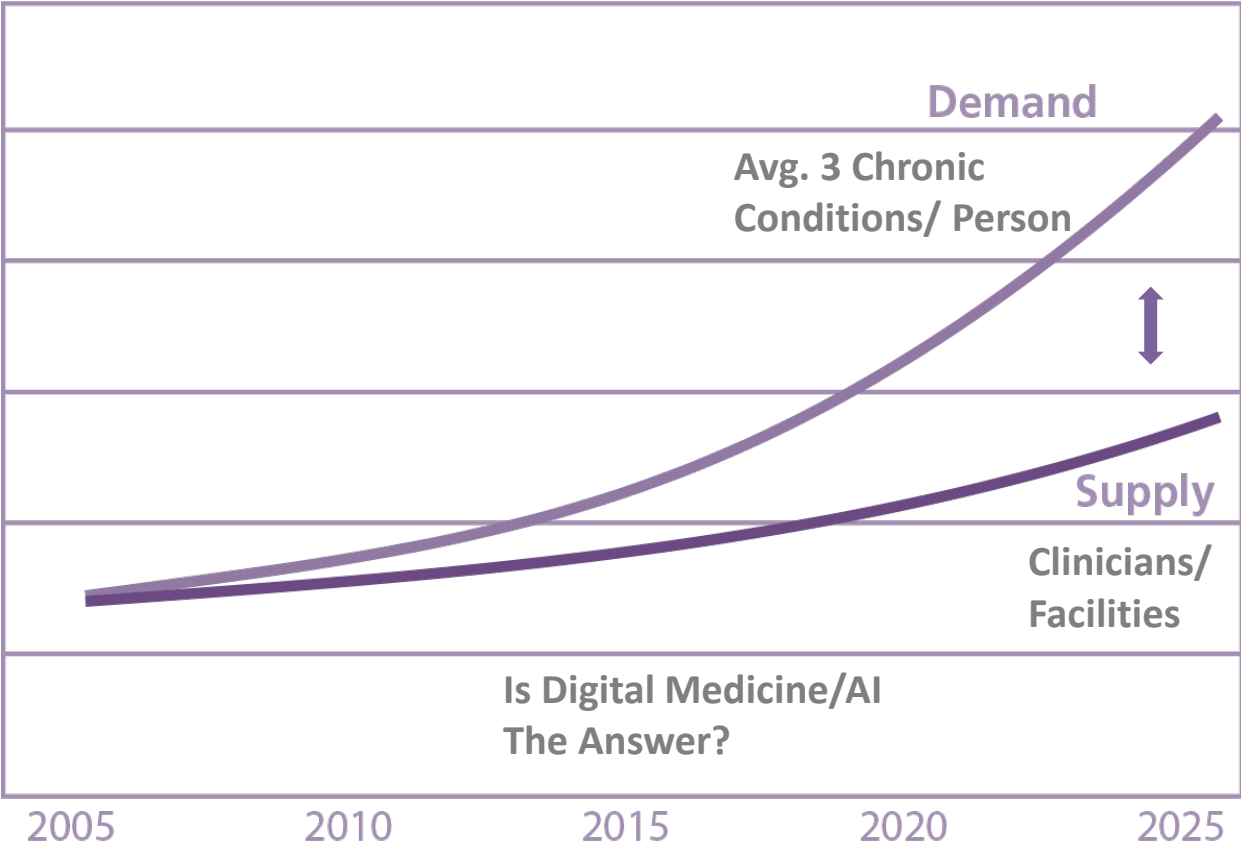


Governing Machines: Defining and Enforcing Public Policy Values in AI Systems

Michael L Hodgkins, MD, MPH
Chief Medical Information Officer
American Medical Association

April 5, 2019

Current Healthcare Delivery Model Challenge



Need To Avoid Adding Complexity

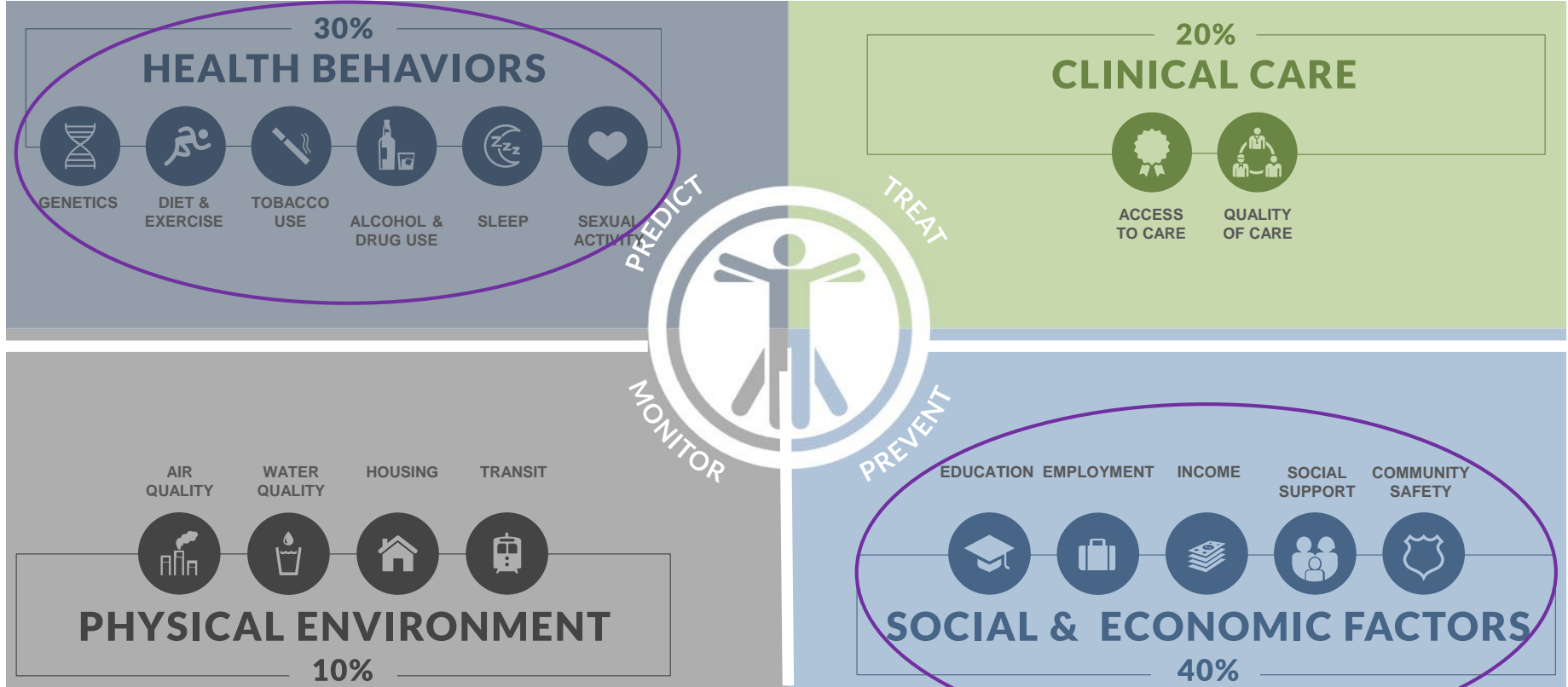
Rx

Average ambulatory elderly
fills 9-13 prescriptions/year



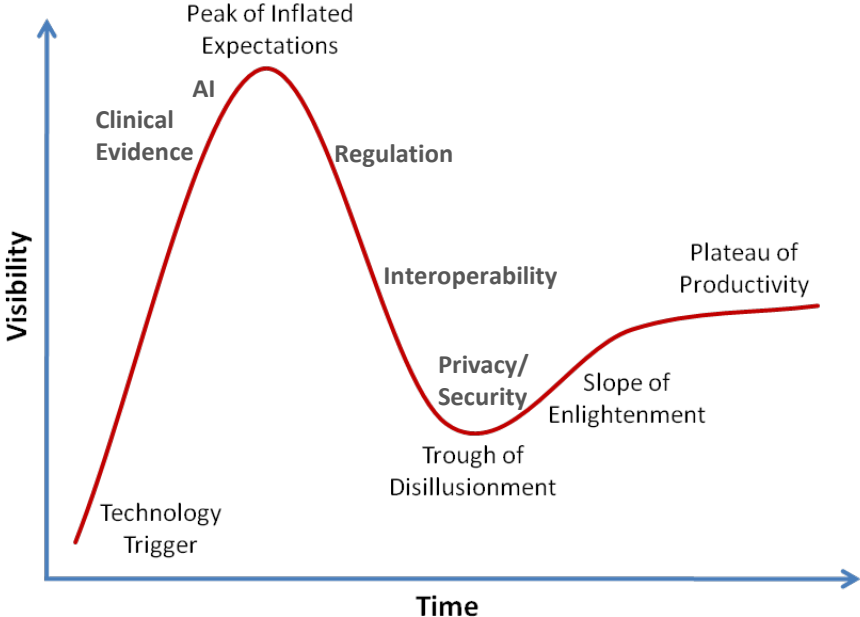
Proliferation of digital solutions
(with/without AI) for individual
chronic conditions

Need to Focus on Technologies That Can Drive Outcomes



Source: RWJF/UWPHI. The future health ecosystem will focus on the true drivers of outcomes

Gartner Hype Curve



Tension Between “Controllers” and Innovators



Patients/
Clinicians

“Controllers”

- Regulators
- Payers
- App gatekeepers

Innovators

- Researchers
- Industry

Technology vs. Human or Technology + Human

“The way here is not to think technology versus human, but to ask how they come together where the sum can be greater than the parts for an equitable, inclusive, human and humane care and practice in medicine.”

Dr. Abraham Verghese
Stanford University

A pair of ornate brass scales of justice sits on a dark wooden table in a courtroom. The scales are the central focus, with their two pans hanging from a central pillar. The background shows rows of empty wooden benches and a large window with multiple panes, all in a slightly blurred, monochromatic blue-purple tone. The word "Discussion" is written in a white, serif font across the middle of the image.

Discussion