Data-driven healthcare

Unlock the potential of health data, optimize care needs and provide better care at lower cost

Thomas Grandell
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PREVENTIVE HEALTHCARE IS A DATA GAME
Treat data as fuel, not as exhaust

A learning health system is an infinite loop, a flywheel
Whole-person view via the lenses of data
Putting the data to work in the consumer’s personal context

Clinical
Social Determinants of Health
Patient-reported
Wearables

Past
Present
Future

Maria Smith
Diabetes diagnosed 15 years ago. Medication...

Potential future concerns
Social & financial outlook
Physical activity projection

Vitals
Subjective
Objective
Assessment
Plan
Social-economical resources

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Access to data
Whole-person view via the lenses of data

- Professional data
  - Maria Smith
    - Diabetes diagnosed 15 years ago. Medication...
  - Potential future concerns
  - Social & financial outlook
- Individual data
  - Vitals
  - Subjective
  - Objective
  - Assessment
  - Social-economic resources
  - Physical activity projection
Different data, different challenges

Trust and transparency are essential

**PROFESSIONAL DATA**
- Data is in silos
- Not designed for interoperability
- Data is dirty
- Considered a competitive edge
- Legislation and compliance

→ takes a lot of time

**INDIVIDUAL DATA**
- 10x improvement
- My health is in good hands
- My data is secure
- My data is used ethically
- My data isn't shared without my explicit consent

→ takes a lot of time
Data security and privacy
Maximal data granularity $\rightarrow$ maximal control over data sharing and visibility

- Non-sensitive data
- Sensitive data
- Data
- Insights

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