

Patient Generated Data

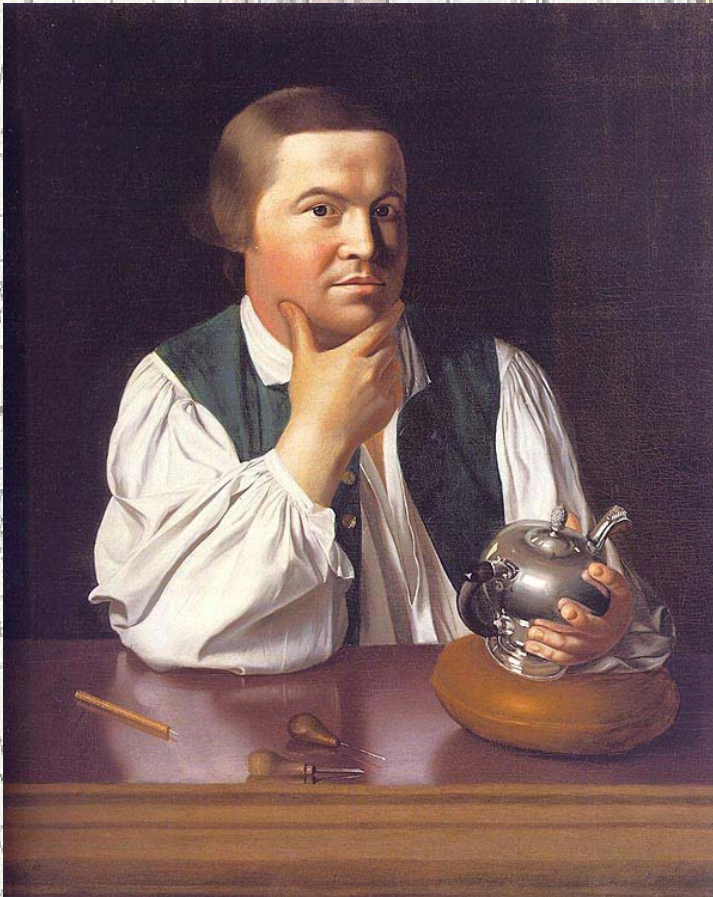
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THE MOST
UNDERUTILIZED
RESOURCE IN
HEALTHCARE
IS THE PATIENT.

Several major movements are converging to transform how care is sought and delivered



Availability of consumer health technology

Major investments and rising adoption personal health monitoring devices



Better educated and more health conscience society

Better information and increased usage of online health resources and communities



Advances in cloud computing and data processing

Availability of low-cost storage and processing

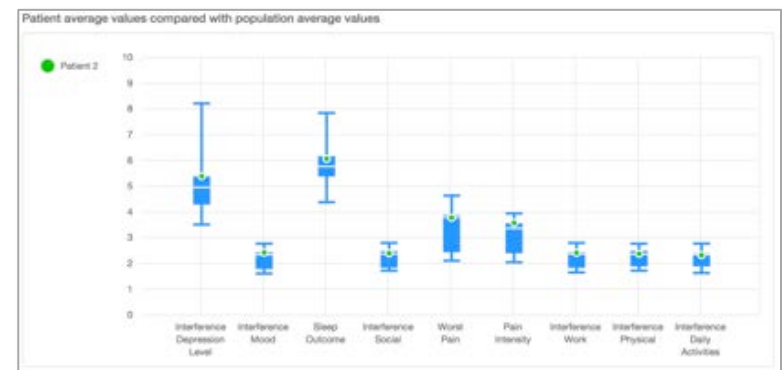
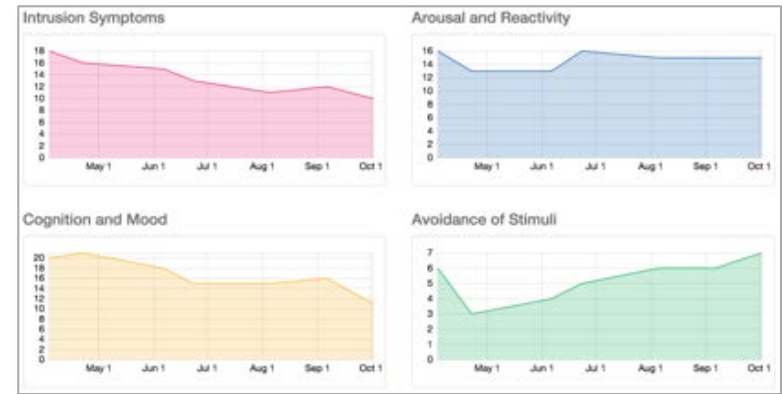


Legislation

Affordable Care Act has changed laws governing coverage, costs, and care

Developed an analytics solution to persist and analyze patient generated data (PGD) to improve outcomes and healthcare delivery

- + Our client is **increasing use of mobile and telehealth solutions** to provide additional opportunities for patients to actively participate in their health and healthcare
- + The client engaged Booz Allen to define and implement a strategy for **managing the growing volume of patient data** generated outside the clinical setting
- + Patient and clinician focused **analytics and visualizations** distill and present relevant information



Challenge: Patient Adoption

- + Learning Curve
- + Value Proposition
- + Sustained Use



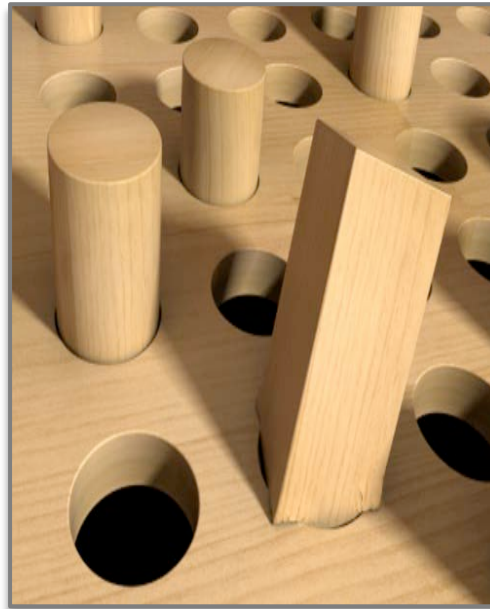
Challenge: IT Integration

Traditional compute infrastructure limits the universe of data we can use and constrains our ability to ask questions

Systems with limited extensibility



Database solutions with rigid data models



Capacity forces culling or rejection of information



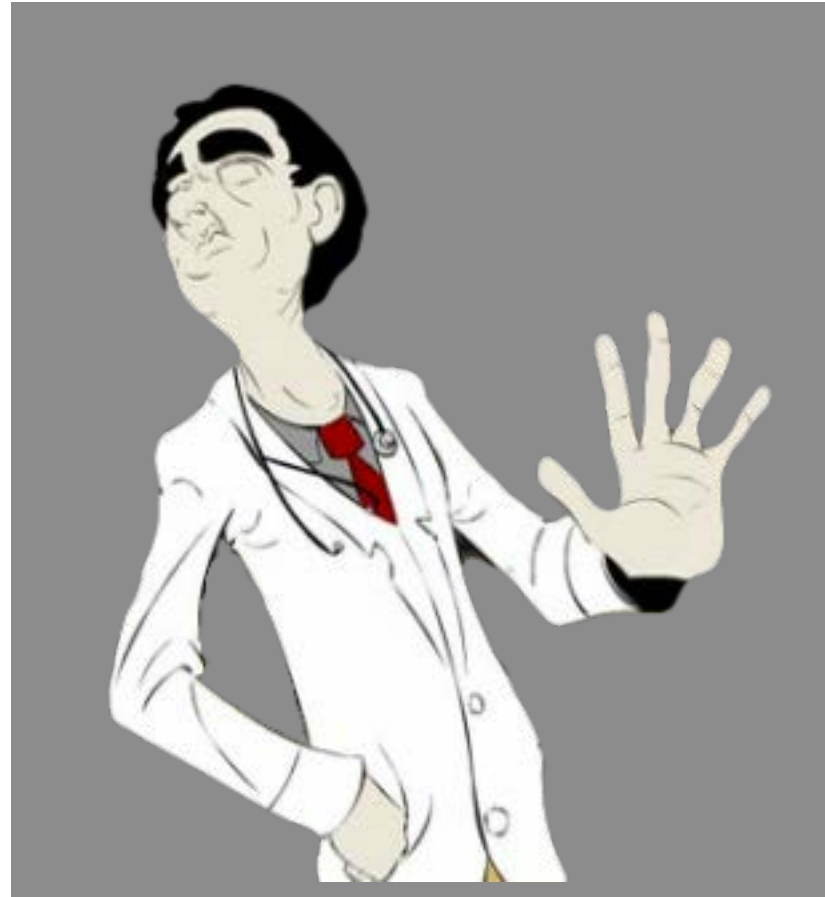
Challenge: Data Quality & Limitations

- + Sporadic Measurement
- + Bias
- + No Baseline



Challenge: Clinician Adoption

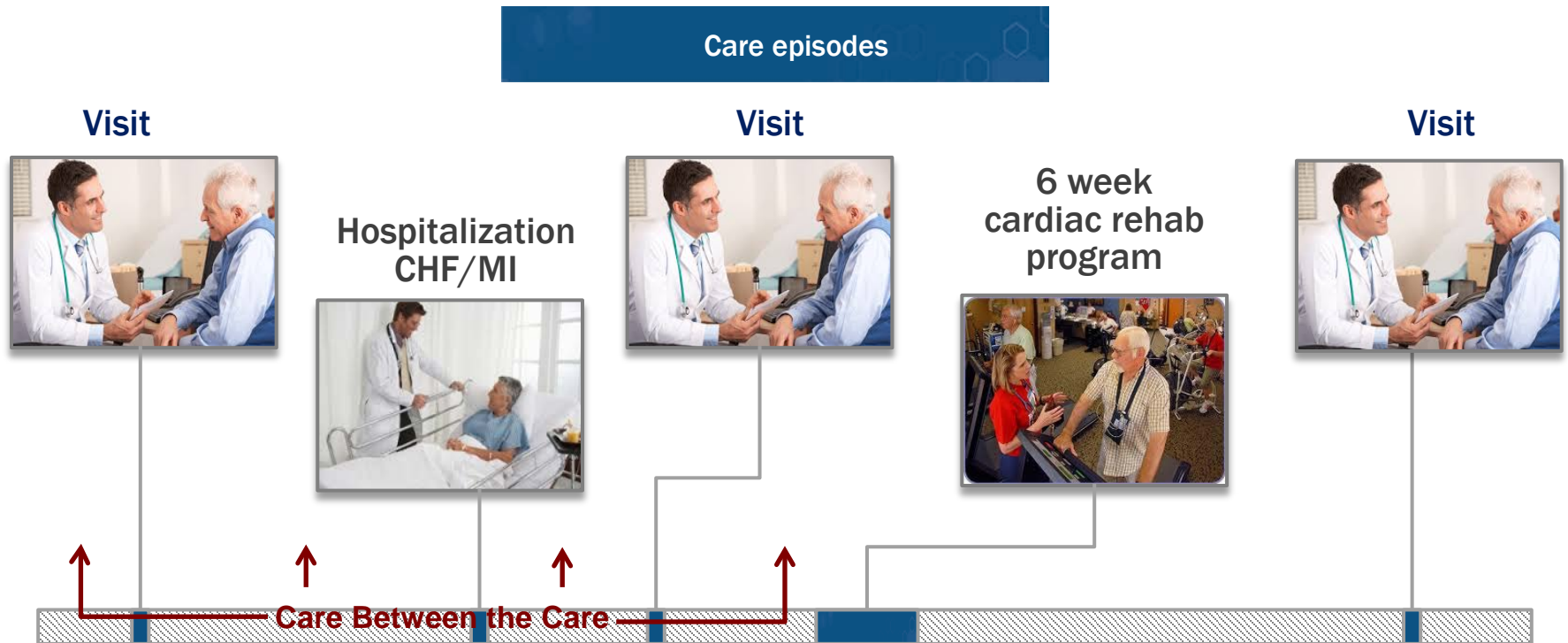
- + Utility
- + Understanding
- + Guidelines
- + Workflow
- + Liability



Demonstration

The background is a solid blue color. It features a pattern of light blue hexagons in the upper right corner, some of which are solid and some are hollow. There are also several dotted white lines that curve across the page. In the lower left, there is a grid of light blue circles, some of which are solid and some are hollow.

PGD provides deeper insight

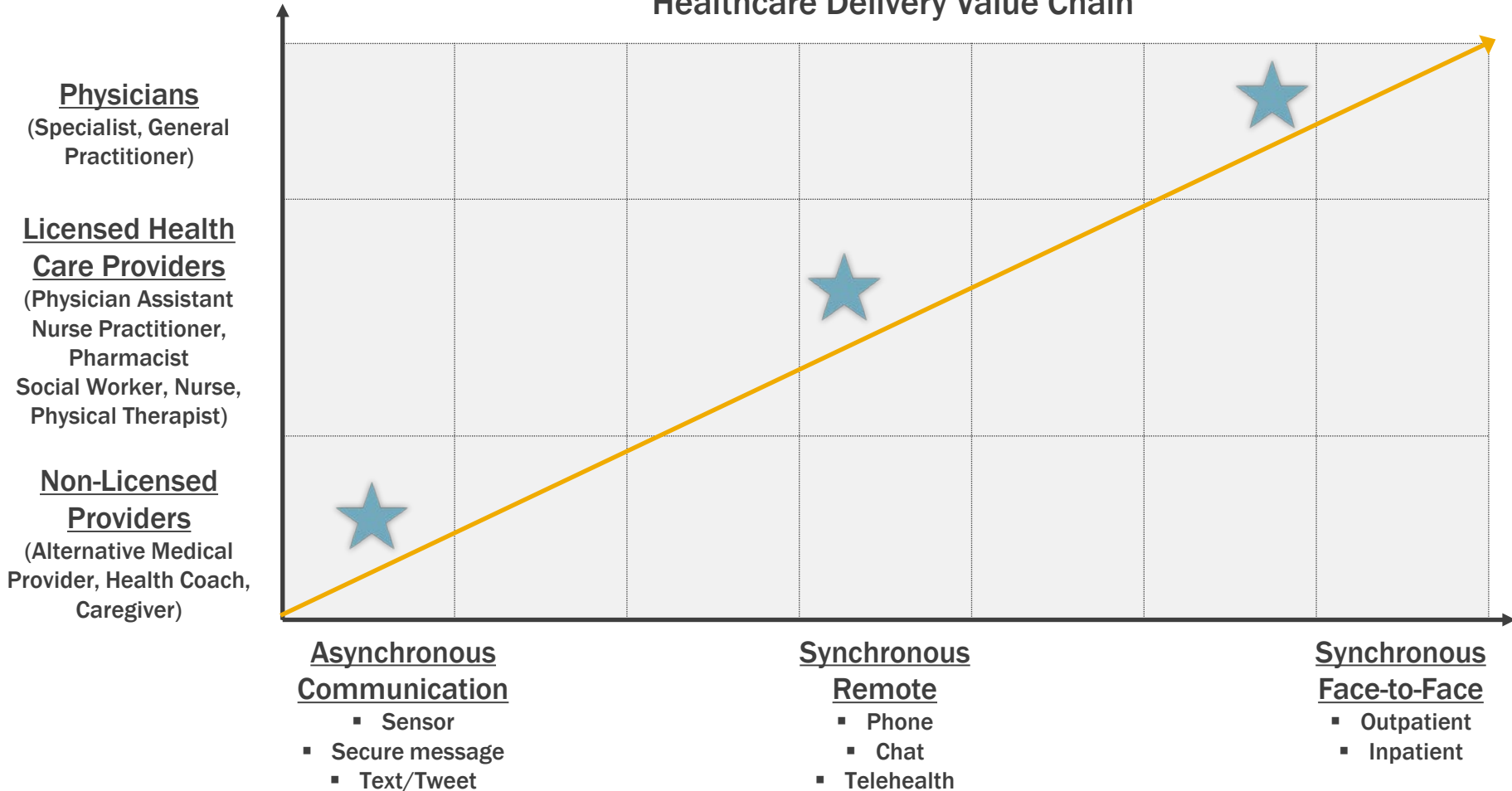


8,760 hours / year

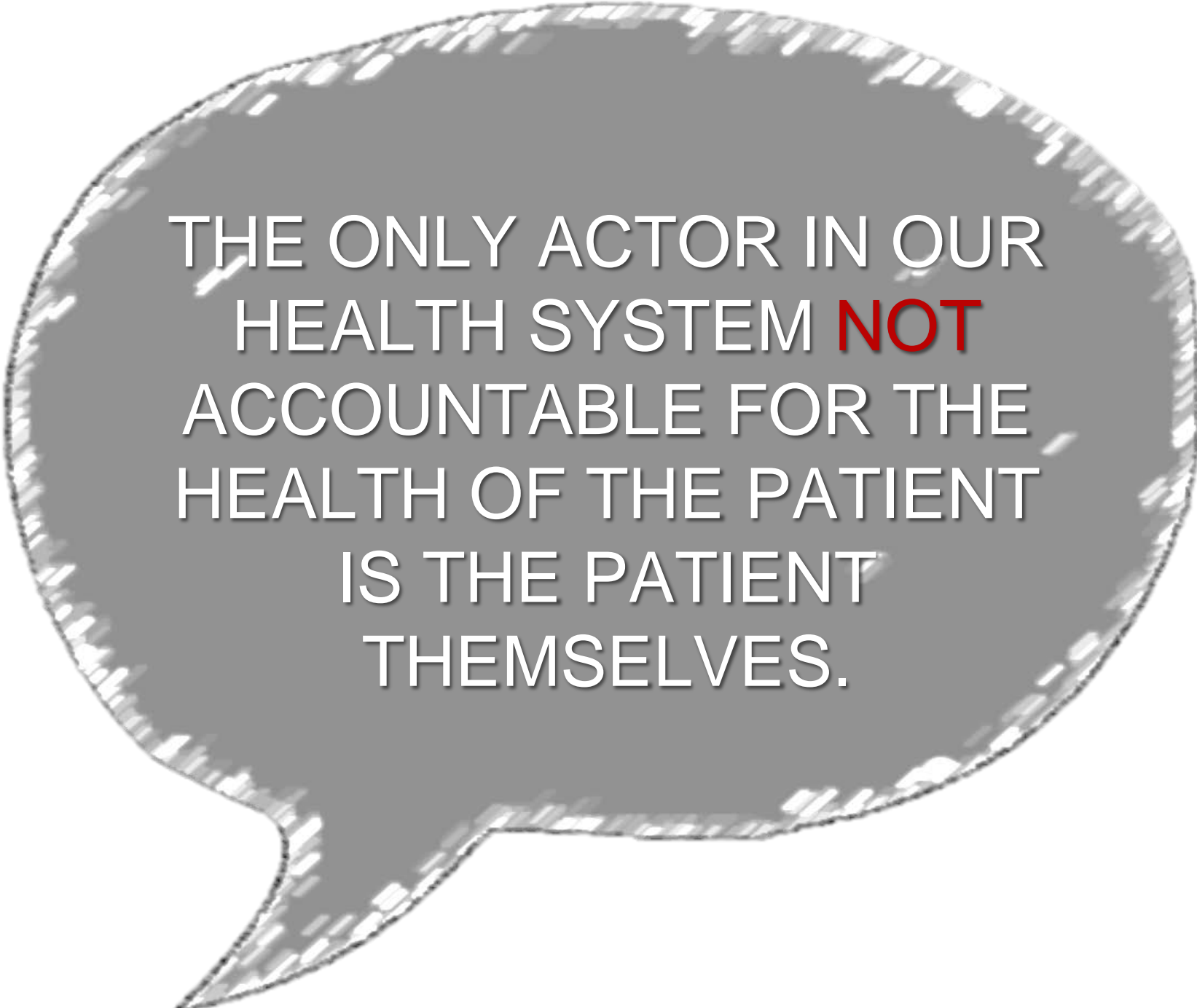
PGD is an enabler for new forms of access

Provider Intensity

Healthcare Delivery Value Chain



Communication Modality Intensity



THE ONLY ACTOR IN OUR
HEALTH SYSTEM **NOT**
ACCOUNTABLE FOR THE
HEALTH OF THE PATIENT
IS THE PATIENT
THEMSELVES.

The opportunities for PGD to improve our health system span the entire continuum of care



Clinical

- Tailored care
- Humanization of the patient



Cultural

- Patient Accountability
- Increased Patient Engagement
- Routine monitoring



Institutional

- Patient Utilization
- Episodic care vs. Continuous care
- Care delivery (right dose at the right time)