

CONCURRENT SESSION I: TECHNOLOGY DISRUPTING THE DISRPUTERS

Population Health Colloquium
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Christobel E. Selecky
Principal, Population Healthcare Strategies

Today's topics

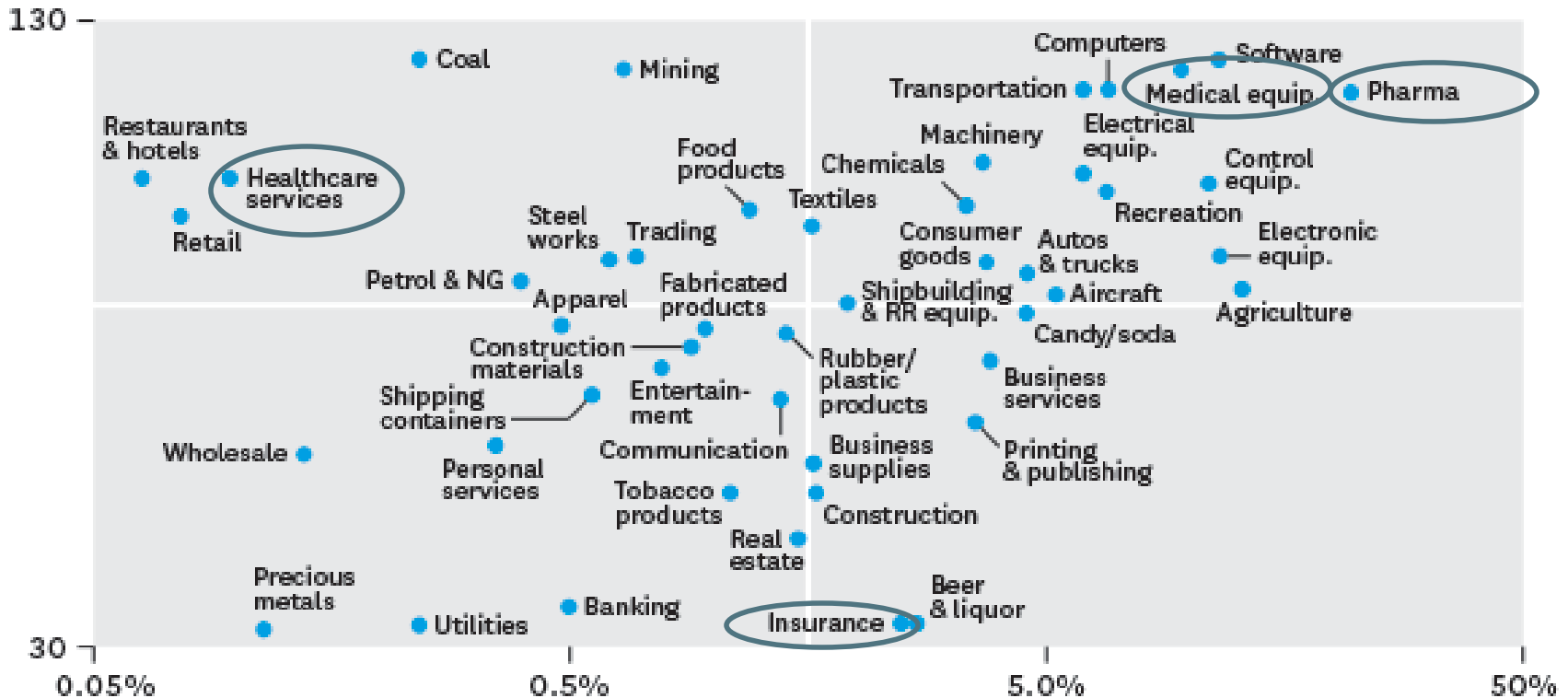
- Advancing predictive analytics by moving beyond claim data e.g.,
 - Electronic health records and quality metrics
 - Consumer behavior
 - Consumer preference
- Advancing provider-led population health through disruptive clinical and reimbursement models and the technology to support them e.g.,
 - Remote patient monitoring
 - Automated patient outreach
 - HIE
 - Telehealth and telemedicine models
- Advancing the efficiency and effectiveness of patient profiling
 - Big data
 - Machine learning
 - Advanced computer science

Uncertainty Necessitates Innovation

DEMAND AND TECHNOLOGICAL UNCERTAINTY BY INDUSTRY, 2002-2011

DEMAND UNCERTAINTY

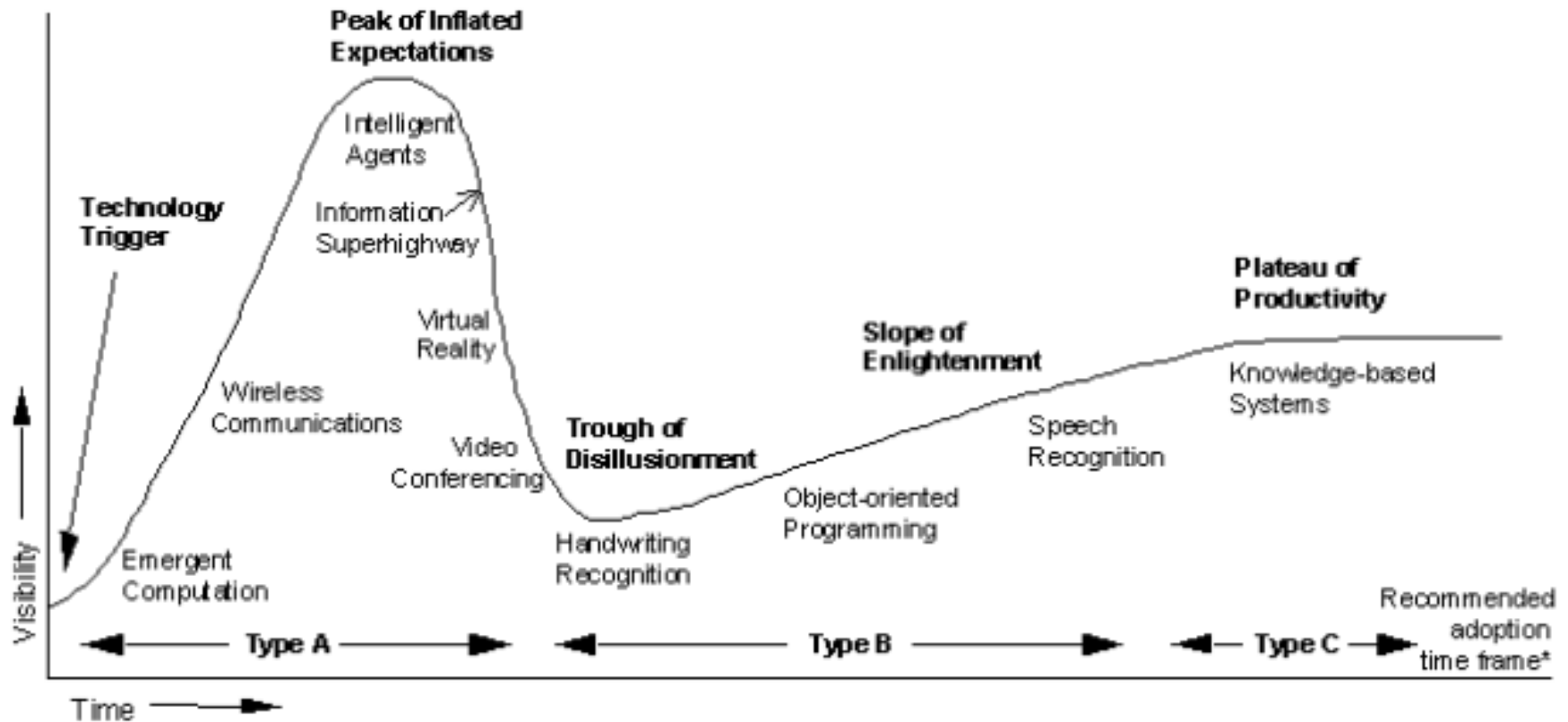
Index of industry revenue volatility and firm turnover (logarithmic scale)



TECHNOLOGY UNCERTAINTY

Industry R&D as a percentage of revenue (logarithmic scale)

Figure 1. First Hype Cycle for Emerging Technologies, 1995



* The recommended adoption time frame may be swayed in either direction for a technology with a particularly high or low level of potential impact within an organization. For example, a Type B company may wait until the Plateau of Productivity to invest in a technology that will result in only marginal efficiency improvements. On the other hand, a Type C company may be prepared to weather some of the learning experiences of the Slope of Enlightenment for a technology that will have a major impact on its core business processes.

SOURCE: GARTNER (JANUARY 2005)

Hype Cycle 2000

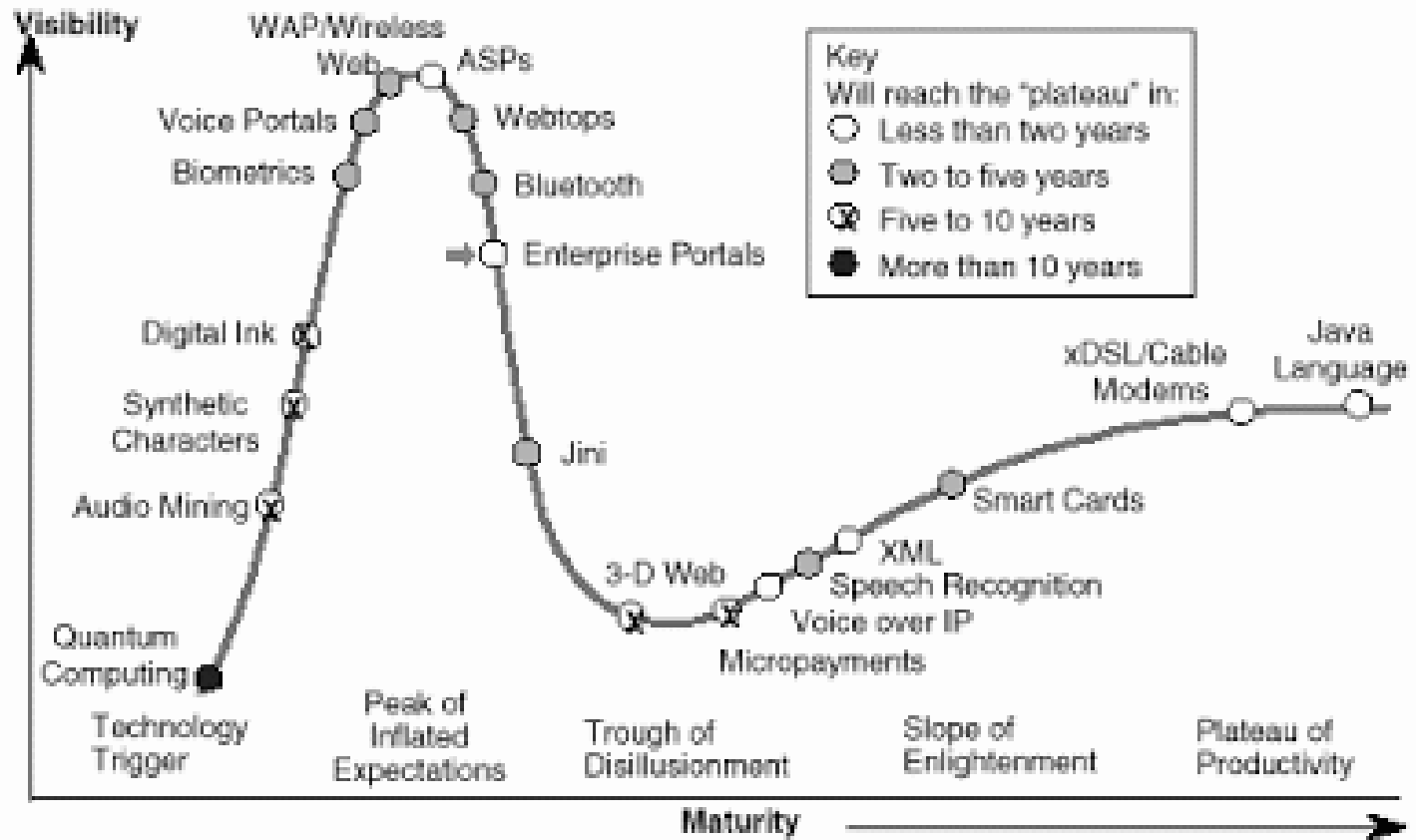


Figure 2. Hype Cycle for Emerging Technologies, 2005



Plateau will be reached in:

○ less than 2 years ● 2 to 5 years ● 5 to 10 years ▲ more than 10 years ⊗ before plateau ⊗ obsolete

Acronym Key

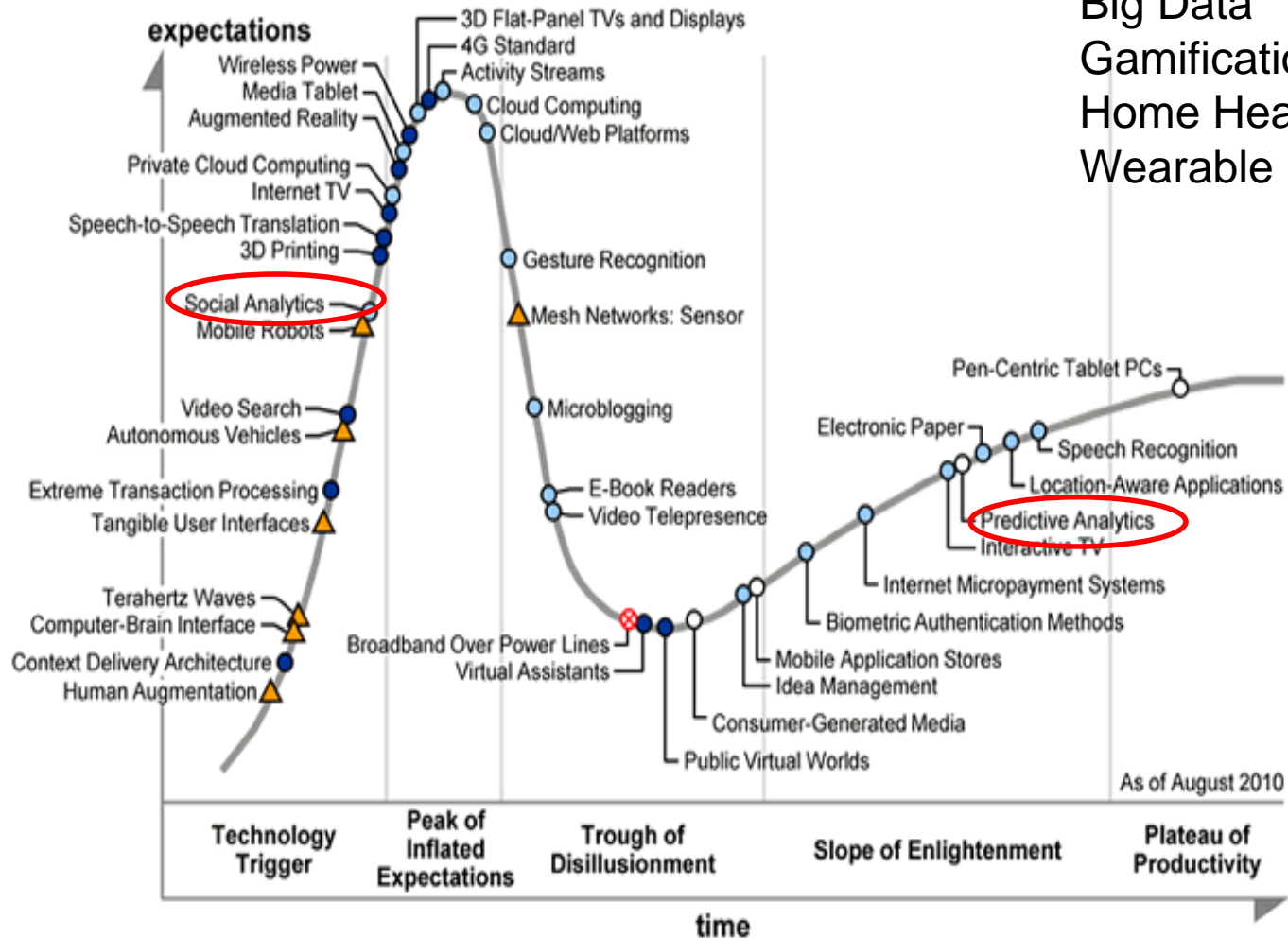
4G fourth generation
ASP application service provider
BPM business process management
P2P peer to peer
RFID radio frequency identification

SOA service-oriented architecture
VoIP voice over Internet Protocol
WiMAX Worldwide Interoperability for Microwave Access
XBRL Extensible Business Reporting Language

SOURCE: GARTNER (AUGUST 2005)

2010 Gartner Hype Cycle

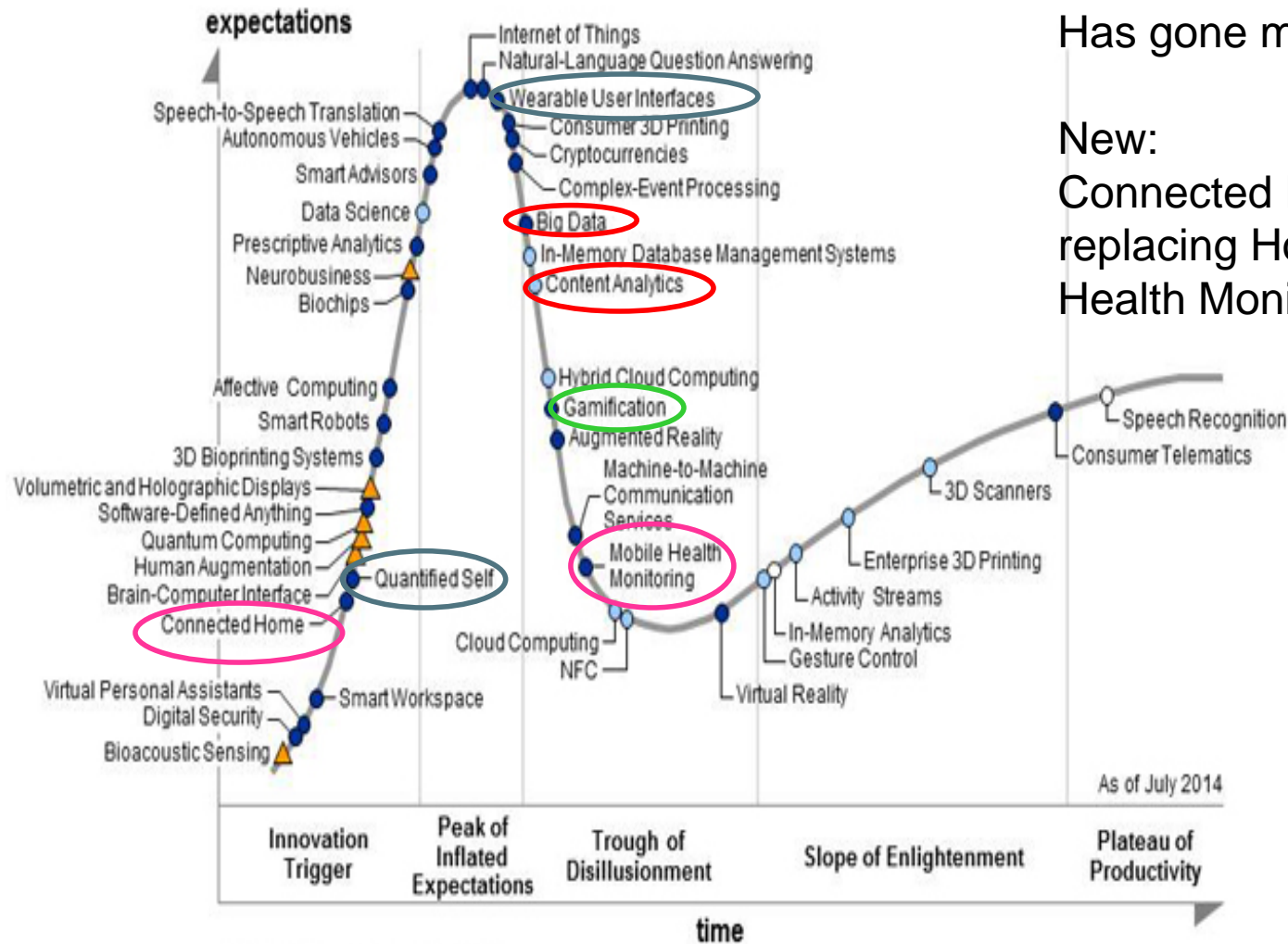
Not yet on radar:
 Big Data
 Gamification
 Home Health Monitoring
 Wearable user Interfaces



Years to mainstream adoption:

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau

2014 Gartner Hype Cycle



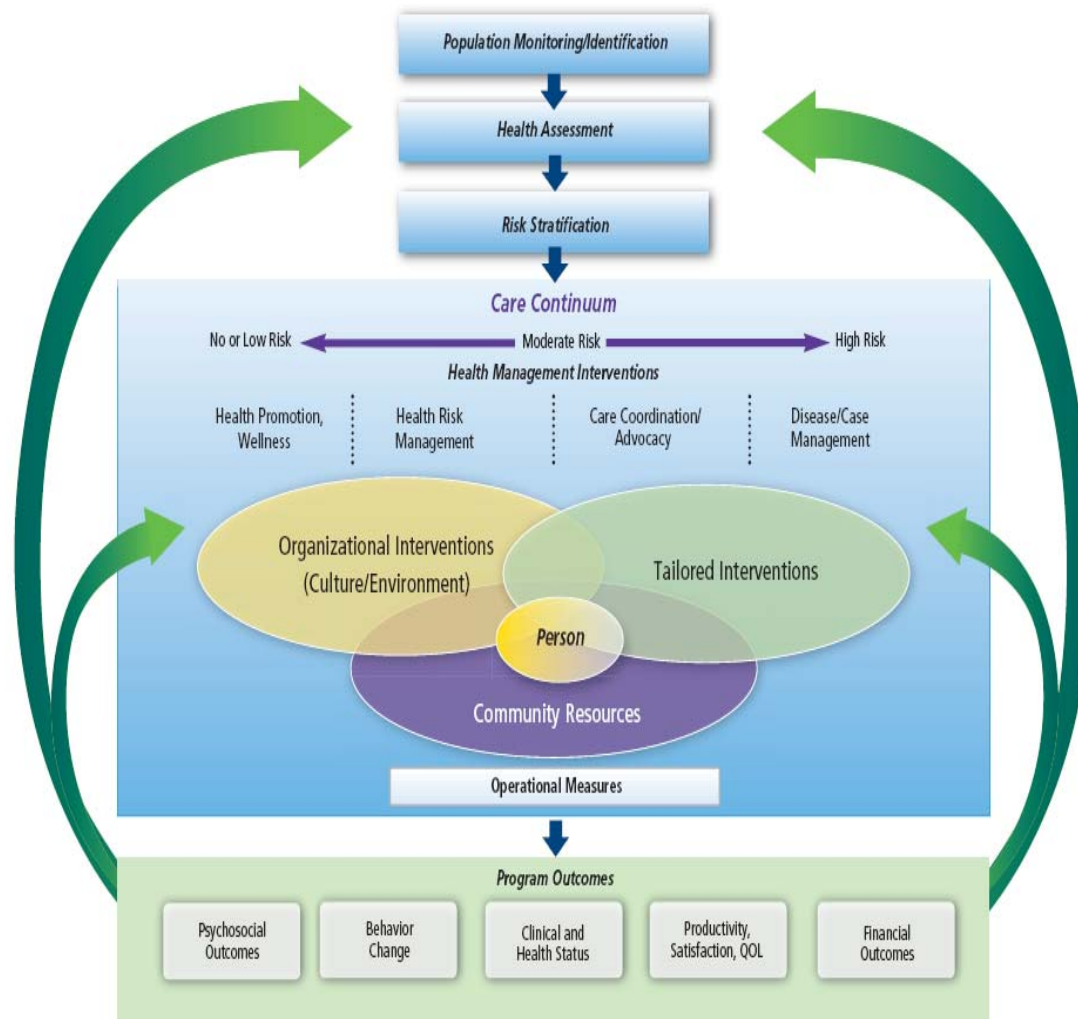
Gone from the Hype:
Predictive Analytics –
Has gone mainstream

New:
Connected Home –
replacing Home
Health Monitoring

Plateau will be reached in:

○ less than 2 years ● 2 to 5 years ● 5 to 10 years ▲ more than 10 years ⊗ obsolete before plateau

PHA Population Health Framework



www.populationhealthalliance.org