T27: Population-based risk stratification in health:

The opportunity for risk sciences to influence precision medicine

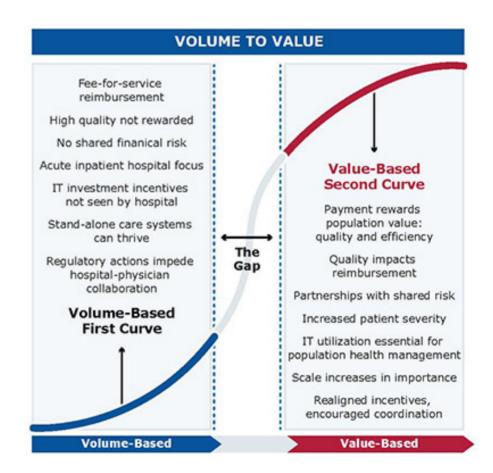
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Population-Based Management



September 2011



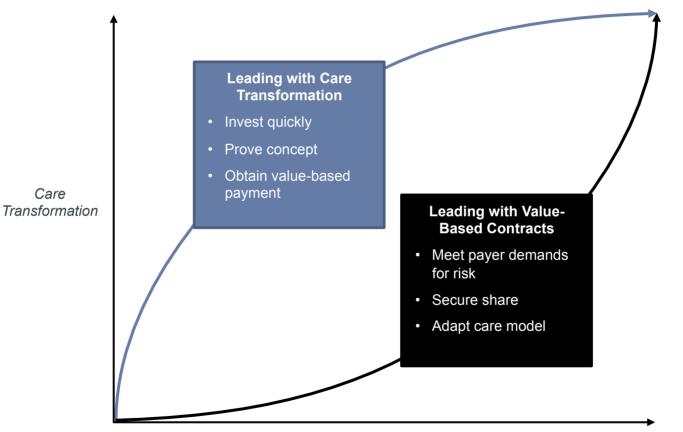


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Two Plausible Transition Paths

Enabling Financial Success from Population Health Management





Payment Transformation

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Source: Health Care Advisory Board interviews and analysis.

CHRONIC CONDITIONS ARE A KEY FOCUS AREA FOR RAISING HEALTHCARE COSTS

- Currently 133 million (~45%) of the population has one or more chronic condition (expected to glow to 49.3% or 180 million people by 2030)
- Attributable to 7 out of 10 deaths in the United States each year (~1.7 million deaths)
- High impact to quality of life and productivity (resulting in secondary economic impacts -- \$1 Trillion in total loses to the economy¹)
- Prevention of chronic diseases²:
 - Believed that many chronic conditions are preventable with minor lifestyle changes (better diet, exercise, and not smoking)
 - Could prevent 80% of heart disease and stroke, 80% of type 2 diabetes, and 40% of cancers

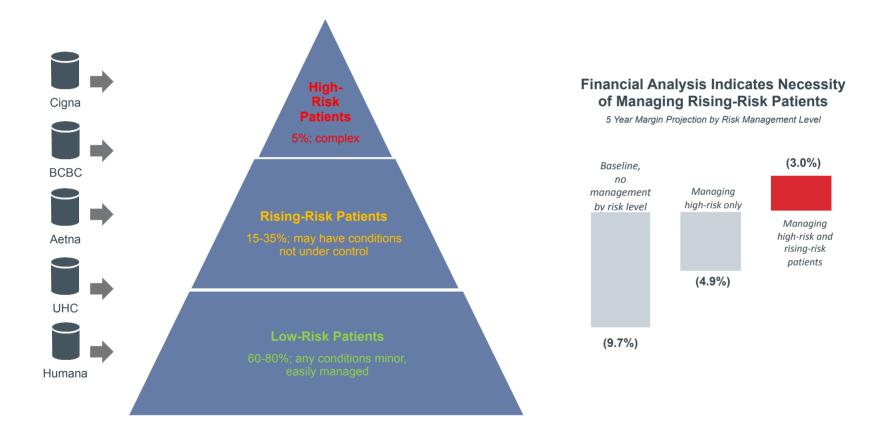
UCLA Center for SMART Health A partnership between the UCLA Institute for Precision Health, Clinical & Translational Science Institute, and the Garrick Institute for the Risk Sciences

Asthma/COPD Stroke **Diabetes ESRD** Alzheimer's Disease **Health Disease**

Osteoarthritis

Managing Three Distinct Populations Essential to Profitability

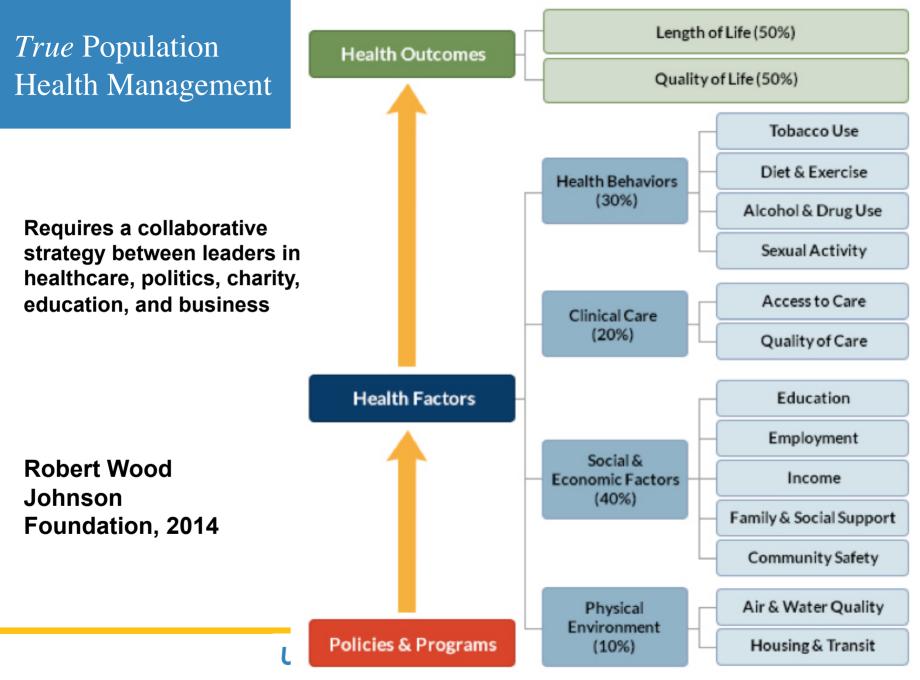
Third-Party Information Valuable But Should Not be Sole Determinant in Segmentation Strategy



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Source: Health Care Advisory Board interviews and analysis



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Todays Panel Presentations

Arash Naeim, MD PhD

Risk-Based Screening for Breast Cancer

Ramin Ramezani, PhD Sensing At-Risk Patients

Alex Bui, PhD Optimizing imaging-based Lung Cancer Screening

Open Panel Discussion

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