

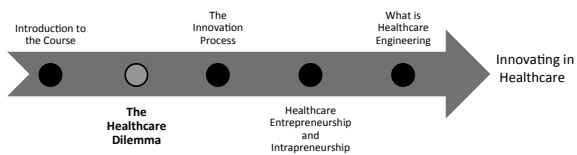
## The Healthcare Dilemma, Part 1



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## Week 1: Innovating in Healthcare



## Opportunities for Innovation

## Investing in Healthcare

- For those of us living in the United States:
  - We spend more per capita on healthcare than any other country
  - 17.3% of our GDP last year, up from 7% in 1970
  - Yet the WHO ranks us as 37<sup>th</sup> among nations
    - The World Health Report 2000 — Health Systems: Improving Performance. Geneva: World Health Organization, 2000.
  - Infant mortality (39<sup>th</sup>); adult female mortality (43<sup>rd</sup>); adult male mortality (42<sup>nd</sup>), and life expectancy (36<sup>th</sup>)
    - Doe J. WHO Statistical Information System (WHOSIS). Geneva: World Health Organization, September 2009

## Global Trends in Healthcare Costs

- Today, 5.6 billion people pay out of pocket for over half their healthcare costs in low- and middle-income countries.
- 100 million = # of people who fall into poverty each year because they must pay for catastrophic care
  - "Primary Health Care, Now More Than Ever," WHO World Report 2008, p.24
- \$490 billion (in US Dollars) in the year 2030 = expected cost of diabetes care alone among people aged 20-79.
  - Zhang, P, et al. (2010). "Global healthcare expenditure on diabetes for 2010 and 2030," *Diabetes Research and Clinical Practice* 87, 293-301.



**The Elephant in the Room**

"Making health care affordable and accessible is a challenge of monstrous proportions – far beyond the most intractable of the problems I had previously tried to study."

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