A Glimpse into the Future: Focusing on Health Rather than Health Care

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Outline

- Current Status
- Delivery Models May Change
- Health Solutions
Current Status of US Health Care

- #29 Life Expectancy (2010)
- Costs > 50% higher than next most costly
Note: PPP = purchasing power parity—an estimate of the exchange rate required to equalize the purchasing power of different currencies, given the prices of goods and services in the countries concerned.

Source: OECD Health Data 2010 (Oct. 2010).
Distribution of Costs

National Expenditures for Health Service and Supplies by Category, 1980 and 2007

- Hospital care: 22.8%
- Physician Services: 13.9%
- Nursing Home Care: 13.9%
- Prescription Drugs: 10.8%
- Other Professional: 7.5%
- Other Medical Durables and Non-durables: 2.8%
- Home Health Care: 2.9%
- Other: 33.2%

Drug Prices for 30 Most Commonly Prescribed Drugs, 2006 - 2007

U.S. is set at 1.0

Source: IMS Health
Physician Costs

Medical Specialist Income

Physician Costs

Physician Visits/Physician Costs

Drug Costs

Biotech and Related Biological Drug Purchases Total – One Health Plan

Diagnostic Equipment Costs

Number of MRI Machines per Million People

Costs Rise with Age

Per Capita Annualized Health Care Costs by Age Group

Source: CMS, National Health Expenditure Data

Lifestyle Raises Costs

Obesity – Percentage of the Adult Population

United States
United Kingdom
Canada
Spain
Germany
Netherlands
France
Japan

These are Getting Worse

Percentage of Adults Aged 20-74 Who Are Obese

What Business Are We In?

The Emergence of Health as the Business of Health Care

Accountable Care Organizations

- Payment and delivery model
- Ties reimbursement to quality measures
- Aim to reduce total cost in a population

Determinants of Health

- **Lifestyle (51%)**
  - Smoking
  - Obesity
  - Stress
  - Nutrition
  - Blood Pressure
  - Alcohol
  - Drug use

- **Human Biology (20%)**

- **Environment (19%)**

- **Health Care (10%)**
Projected Health Spending, United States, 2011 - 2021

Home of the College of Health Solutions: The ASU Downtown Phoenix Campus
Help ASU Develop New Models
- To Improve Health
- Lower Costs
- Enhance Access
Formed in 2012

Create a new health education model

Serve as bridge across ASU to create synergy within university and with strategic partners
Why Arizona?

- ASU is right university
  - No medical center
  - Many resources
  - Vested interests
  - Broad interest in health
  - No status quo to protect
College of Health Solutions Programs

- School for the Science of Health Care Delivery
- School of Nutrition and Health Promotion
- Department of Biomedical Informatics
- Doctorate of Behavioral Health
- Department of Speech and Hearing Science
Allied and Affiliated Units

- College of Nursing and Health Innovation
- School of Biological and Health Engineering
- Center for Health Information and Research
- Health Delivery and Policy Program
- Healthcare Transformation Institute
- Center for Metabolic and Vascular Biology
An overview of top 13 student-planned educational majors: 1999-2010

Source: American College Testing Program
## U.S. Workforce Employment, 2008 and Projected 2018

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Total job openings due to growth and net replacements, 2008-2018 (in thousands)</th>
<th>Change (percentage)</th>
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</thead>
<tbody>
<tr>
<td>Health care practitioners and technical occupations</td>
<td>3,139</td>
<td>21.4</td>
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<tr>
<td>Health care support occupations</td>
<td>1,595</td>
<td>28.8</td>
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<tr>
<td>Sales and related occupations</td>
<td>5,713</td>
<td>6.2</td>
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<tr>
<td>Education, training, and library occupations</td>
<td>3,332</td>
<td>14.4</td>
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<tr>
<td>Community and social services occupations</td>
<td>1,033</td>
<td>16.5</td>
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<tr>
<td>Office and administrative support occupations</td>
<td>7,225</td>
<td>7.6</td>
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</tbody>
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Future of Health

- Focus away from health care
- Health is the issue
  - Home
  - Community
  - School
  - Workplace
Community Health Improvement Plan (CHIP) 2012-2017

- Developed following an 18-month Comprehensive Health Assessment
- Community-wide action plan for addressing priority health issues in Maricopa County
CHIP - Priorities

- Obesity
- Diabetes
- Lung Cancer
- Cardiovascular Disease
- Access to Health Care
CHIP - Strategies

- Nutrition
- Physical Activity
- Tobacco Use
- Linkages to Care
CHIP – Community Sectors

- Community
- Work
- School
- Health Care
We Look Forward To Working With You To Build Better Health.
Sources


