

### What is smart health care?

**Aggregate** health care delivered at the right time and place

- Health is delivered to **acutely diagnose** illness and deliver care
- Close to diagnosis means a **use info effectively and efficiently** across the ecosystem
- Take in data **continually to care** to get tracked and ready to act on
- Target correct individuals** for the correct care
- Take in **informed and active** in the care
- Use **cost-effective delivery models** to get health care to place and people in the health system
- Efficiency improves** overall health

...but comes with logistical barriers and tech obstacles

- How to address care settings
- Integrating existing and new solutions
- How to measure and integrate systems

### Global health care spending

Is projected to reach **\$8.7 trillion by 2020**

**Why?**

- Ageing and increasing populations
- Chronic disease prevalence
- Increasing expenditures to manage chronic disease

Spending is expected to continue to rise as we move into 2020

**Why?**

- Global population growth, the global ageing population
- Chronic disease prevalence
- Increasing expenditures to manage chronic disease

Global population growth to rise to 6.4 billion people by 2040 due to:

- High life expectancy
- High birth rates
- High population density
- High urbanisation

### Top issues

Creating a **positive margin** in an uncertain and changing health economy

Improving financial performance and operating margin remains a top issue

**Cost issues**

- Increased drug and device costs
- Increased service charges
- Technology
- Labour

**Reimbursement issues**

- Cost of care vs. value
- Value-based contracts

**Health care stakeholders trying to reach a cost balance**

**What are health care providers doing about it?**

- Change business model
- Invest in technology
- Optimize operations
- Improve care
- Improve patient experience
- Improve operational efficiency
- Improve financial performance

### Strategically moving from volume to value

How is health care moving from volume to value?

- Value-based contracts
- Value-based care
- Value-based payment
- Value-based care

**Shift & focus to:**

- Prevention and population health
- Value-based care
- Value-based payment

**Stakeholder needs:**

- Value-based care
- Value-based payment
- Value-based care

**How?**

- Improve efficiency and transparency
- Improve patient experience
- Improve operational efficiency
- Improve financial performance

**Technology plays a big part:**

- Prevention
- Population health
- Value-based care
- Value-based payment

### Responding to health policy and complex regulations

**Why's major regulation in the industry?**

- Value-based care
- Value-based payment
- Value-based care

**Organizations are collecting more and more data and information across the health care ecosystem.**

- Value-based care
- Value-based payment
- Value-based care

**Stakeholders dealing with additional issues:**

- Value-based care
- Value-based payment
- Value-based care

### Investing in experimental technologies to reduce costs, increase access, and improve care

**Technology's impact on the health care ecosystem: Less expensive, more efficient, more accessible**

**Types:**

- Artificial intelligence
- Virtual reality
- Wearable devices
- Mobile health
- Big data and analytics
- Cloud computing
- Blockchain
- Augmented reality
- 3D printing
- Robotics
- Internet of Things
- Biotechnology
- Gene editing
- CRISPR
- Stem cell therapy
- Organ transplantation
- Regenerative medicine
- Autologous conditioned serum
- Exosome therapy
- Cellular therapy
- Gene therapy
- CRISPR-Cas9
- CRISPR-Cas12a
- CRISPR-Cas13a
- CRISPR-Cas14a
- CRISPR-Cas15a
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- CRISPR-Cas18a
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**Health care is going to keep this:**

- Value-based care
- Value-based payment
- Value-based care

### Engaging with consumers and improving the patient experience

**#1** Consumers rate the biggest priority in health care is personalization of care

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### Shaping the workforce of the future

**Future of work - merging talent with technology**

**What's holding them back?**

- Value-based care
- Value-based payment
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**What could help?**

- Value-based care
- Value-based payment
- Value-based care

**Examples:**

- Value-based care
- Value-based payment
- Value-based care