Healthcare Systems: Future Predictions for Global Care

Towards progress, avoiding pitfalls and achieving sustainability

October 12, 2018
Brisbane Convention & Exhibition Centre, Australia

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Our mission is to enhance local, institutional and international health system decision-making through evidence; and use systems sciences and translational approaches to provide innovative, evidence-based solutions to specified health care delivery problems.

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Thank you

Amongst all the things we publish, this talk is based on a book

To the editors, authors and support teams around the world who helped us with it.

We dedicate this talk and all our work in health systems improvement to them.
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Fighting an invisible foe
The story of John Snow

- Three major outbreaks of cholera in London during the 1800s
- In 1854, over 10,000 died from cholera in London and Newcastle
- The germ theory of disease had not been accepted yet
- … a disease of the poor
- There was one water pump in the Soho area, in Broad Street
- Within 250 yards of the spot where Cambridge Street joins Broad Street there were upwards of 500 fatal attacks of cholera in 10 days …
- The answer was in the water!
The message?
Sometimes, look in the places you least expect to find the answer.
A series on international health reform

Healthcare Systems Improvement Across the Globe
Success Stories from 60 Countries

Edited by
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Healthcare Systems: Future Predictions for Global Care

ISBN:
978-1-138-05260-4

Website:
What will health systems look like in 5-15 years?

Regions: Americas, Africa, Europe, Eastern Mediterranean, South-East Asia and the Western Pacific.

Synthesises perspectives from 152 countries and territories around the world.
Contributors

• 148 contributing authors covering 152 countries and territories.

• 28 low-income, 40 lower-middle-income, 33 upper-middle-income, 46 high-income and five currently unclassified countries and territories.

• The authors’ task were to:
  
  Provide a case study, issue, challenge or problem in their health system
  Identify the main changes needed to secure lasting improvements
  Derive possible solutions to big health system challenges to 2030
What lessons can be taken from this global outlook on the future?
Five main trends

• The trends shaping health systems of the future:
  • Sustainable health systems
  • The genomics revolution
  • Emerging technologies
  • Global demographic dynamics
  • New models of care
The chapters

The world in context through the eyes of our authors …
The chapters’ nine themes

1. Integration of healthcare services
2. Financing, economics and insurance
3. Patient-based care and empowering the patient
4. Universal healthcare
5. Clinical information technology
6. Aging populations
7. Preventative care
8. Accreditation, standards and policy
9. Human development, education and training
1. Integration of healthcare services

• Important step in creating coordinated care delivery and reducing waste
• Eight chapters
• 14% of total

+ Region: Central and Eastern Europe
2. Financing, economics and insurance

- Affordability of care and resource allocation in healthcare is a global issue
- Five chapters
- 9% of cohort

+ Region: Africa
3. Patient-based case and empowering the patient

- Educating and empowering patients to be involved in their own care
- Eight chapters
- 14% of total
4. Universal healthcare

• Strong support globally for the greatest care in the most cost-efficient way
• Three chapters
• 5% of total

+ Region: Central Asia
5. Clinical and information technology

- To improve efficiency and timeliness of care delivery, and patient access to services and information
- Ten chapters
- 18% of total
6. Aging populations

• The need for care for older patients including their comorbidities, fragility and cognitive decline
• Four chapters
• 7% of total
7. Preventative care

• An ounce of prevention is worth a pound of cure
• Three chapters
• 5% of total

+ Region: South-East Asia
8. Accreditation, standards and policy

- Shared goal of improving patient safety and strengthening the health system through one or all of these methods
- Nine chapters
- 16% of total

Region: Middle East and North Africa
9. Human development, education and training

• Human development is crucial; from workforce recruitment to professional development and supporting leadership roles

• Seven chapters

• 12% of total
The result …
Case study: Australia and aging

- CriSTAL tool developed to identify frail elderly to help shift from a complex acute system in hospitals to community care
- Japan, the Netherlands and Qatar also contributed chapters on the aging population and its effect on hospitals
The health system of the future: features

- Inclusive and equitable
- More integrated
- Patient focused
- More evidence-based
- Applies technology (AI, genomics, etc.) wisely
- Cost-effective
The health system of the future: features

- A learning system
- Improvement must be in the DNA of reformers
- Less waste
- Less harm
- Universal care
- Has a roadmap for change
Key message

• A comprehensive and encouraging look at the future:
  • Gets us to move towards progress (vs. status quo)
  • Helps us to identify and avoid pitfalls in the system
  • Creates a roadmap to positive and sustainable change
Towards a sustainable healthcare system in the 21st century: What can crowd-wisdom tell us?
We asked participants …

• In which country do you work?
• Your gender?
• Your age?
• Your main professional role?
Opinions about sustainability of healthcare systems

• What are the main attributes of a sustainable healthcare system?

• What indicators would you monitor to assess the sustainability of healthcare delivery?

• If you could change one thing about your healthcare system to improve sustainability, what would that be?

• Which country has a healthcare delivery system that you hold in high regard when you think about its sustainability?

• Any other thoughts about improving the sustainability of healthcare delivery?
CROWD WISDOM SURVEY: preliminary results

52 responses:

41 Australia, 11 other countries:
Botswana, Canada, Hong Kong, Indonesia, Japan, New Zealand, Philippines, USA

21 Male; 30 Female; 1 …
CROWD WISDOM SURVEY:
preliminary results

13 - Researcher, University Academic
9 - Policy-Maker, Government Official
5 - Doctor
5 - Hospital Manager or CEO
4 - Nurse
2 - Allied Health Staff
2 - Goods or Services Supplier
2 - Health Consumer
14 - Other
In your opinion, what are the three main attributes of a sustainable healthcare delivery system?

• Skilled workforce
• Provides needed care
• Accessible
• Affordable
• Provides value
What three indicators would you monitor to assess healthcare delivery system sustainability?

• Patient outcomes
• Patient satisfaction
• Workforce satisfaction
• Costs
• Value
If you could change one thing about your healthcare delivery system to improve sustainability, what would that be?

1. **Reduce fragmentation**
   - One funder models, Reduce multiple funders/funding sources
   - Integrated care – multidisciplinary care models; eliminate silos

2. **Improve Workforce (healthcare providers, managers)**
   - Well-functioning clinical governance - management, strong leadership
   - Improve culture, teamwork, transparency, skills, behaviour

3. **Increase Quality**
   - Reduce wasteful care; reduce duplication of admin; increase effective use of resources; use technology
   - Reduce errors; Increase adherence to guidelines
If you could change one thing about your healthcare delivery system to improve sustainability, what would that be?

4. **Use Data**
   Measure outcomes / evaluation / data collection; develop reporting frameworks
   Embed data collection and reporting for the long-term

5. **Increase Consumer focus**
   Listening to and responding to consumers; meet their needs

6. **Increase Affordability**
   Free healthcare for all, in all areas of the healthcare system; lower out of pocket costs
   Enhance the public - private partnerships; Appropriate funding for private hospitals
If you haven’t had a chance to complete the survey...

We will keep it active until Friday 19th October

Just go to your Congress App
The prize

• We drew amongst people who had completed the survey

• The prize is … an Australian food and wine hamper [available from the Deeble Booth]

• And …

• A signed book on health reform across the world!
The winner is

• Kim Field from NSW
Acknowledgements: my teams

Complexity Science / Genomics
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Forthcoming books

- Gaps: the Surprising Truth Hiding in the In-between
- Surviving the Anthropocene
- Delivering Resilient Health Care
- Counterintuitivity: How your brain defies logic
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