



Panel on GLOBAL HEALTH/AMBIENT Quality of Health Care

Moderator

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Panelists

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Total global expenditure for health¹	US\$ 6.5 trillion
Total global expenditure for health per person per year	US\$ 948
Country with highest total spending per person per year on health	United States (US\$ 8362)
Country with lowest total spending per person per year on health	Eritrea (US\$ 12)
Country with highest government spending per person per year on health	Luxembourg (US\$ 6906)
Country with lowest government spending per person per year on health	Myanmar (US\$ 2)
Country with highest annual out-of-pocket household spending on health	Switzerland (US\$ 2412)

Top 12 Countries With the Best Healthcare System	
1. Luxembourg	2. Singapore
3. Switzerland	4. Japan
5. Netherlands	6. Sweden
7. Hong Kong	8. Australia
9. Israel	10. Germany
11. Belgium	12. New Zealand

Source: WHO (<http://www.who.int/mediacentre/factsheets/fs319/en/>) – retrieved on 14/11/2017

Quality of Health Care

Kyota Aoki
Utsunomiya Univ.

In advanced countries

To keep the community in the healthy state, cognitive disorder is one of the main problems for elderly people. What method we can have.

Death (in JAPAN):
Cancers, Heart diseases,
Cerebrovascular disease,
Pneumonia

QOL:
To keep QOL of elderly people, cognitive disorder is a large problem.

In many developping countries

Quality healthcare delivery for poor communities around the globe.

Infection diseases are the largest cause of death.

Death:
Infection diseases, heart diseases, cancers, Cerebrovascular disease, accidents...

Problems

With many infection diseases, the condition of a patient shows rapid progress.

There need to access a medical treatment quickly.

There are some diseases as AIDS, show slow progress.

Until to bring about death, in slow progress of the state, there needs large resources.

Is there any
common methods.

Yes.

With ICT, we must provide quality health care.

AI may provide quality health care.

AI can provide a large medical resources economically.

ICT+AI

To increase the number of human doctors, we need large resources and time.

ICT and AI can share a large portion of the work that now doctors share.

I like a human nurse. However, I can use AI systems to diagnose my diseases.

Now, many medical workers only control the medical equipments.

ICT+AI can share these works.

Happy Results

In all over the globe

We can access quick diagnosis and treatments about infectious diseases.

We can access enough care economically to keep QOL in very long old age.

Un-happy result

Some devices and tools are expensive, and cannot provide.

Some drags are expensive.

Majority of old people cannot keep their QOL.

They can survive in a long old age, however it is difficult to keep QOL.

Solutions? Dreams?

We need quality of health care.

First, we must have enough quantity of health care economically.

ICT+AI may provide normal level of diagnosis and treatments economically.

In SF, there is a personal emergency medical treatment kit that enables to inject a proper drugs automatically.

AED is a robot to provide a emergency proper treatment to some heart diseases.

Now & Future

We have some wearable devices that monitor the physical state.

The combination of these physical monitors and AI will find symptoms of diseases in a very first stage.

This can reduce required medical resources drastically.

Embodied Poverty: Experiences and Voices of the Poor, Sick, and Surviving

Key Questions:

- How do socioeconomic factors impact access to health services globally?
- What challenges prevent poor communities from taking care of their bodies?



Guatemala, Peru, Morocco, Nepal, Indonesia

- Methodologies
 - Partnerships with local community organizations
 - Qualitative interviews and ethnographic research
- Project goal
 - To better understand the bodily effects of poverty and how poor communities access health services through a multi-country comparative model

Models of improving health access

Western Highlands, Guatemala

- Acupuncture clinic
- Nutrition workshops



Lima, Peru

- Community health workers
- Home visits



Key Lessons

Challenges

- Access to quality, trusted care
- Poor conditions perpetuating poor diseases
- Limited services for mental health and surgical needs

Takeaways

- Opportunities to incorporate technology and innovative developments in the delivery process for poor communities