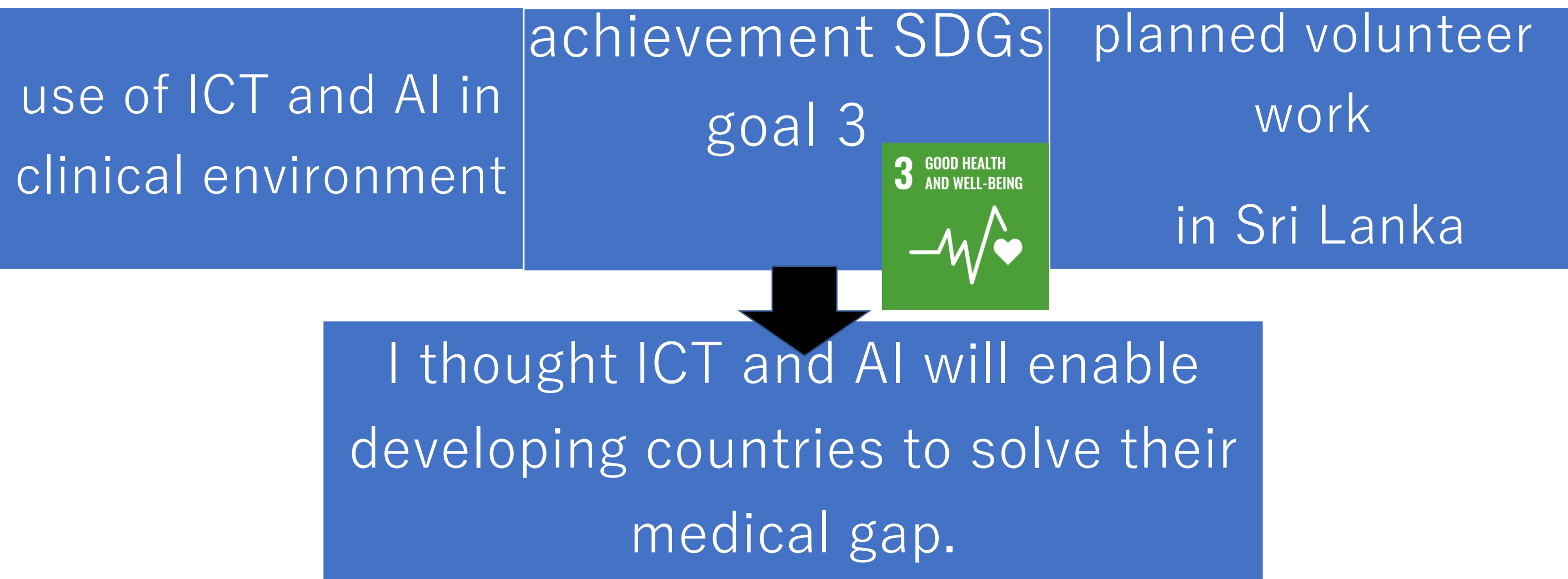


Telemedicine as a Solution for the Problem of Medical Gaps ~A case study of Sri Lanka as a developing country~

Tokyo Metropolitan Minamitama Secondary Education School

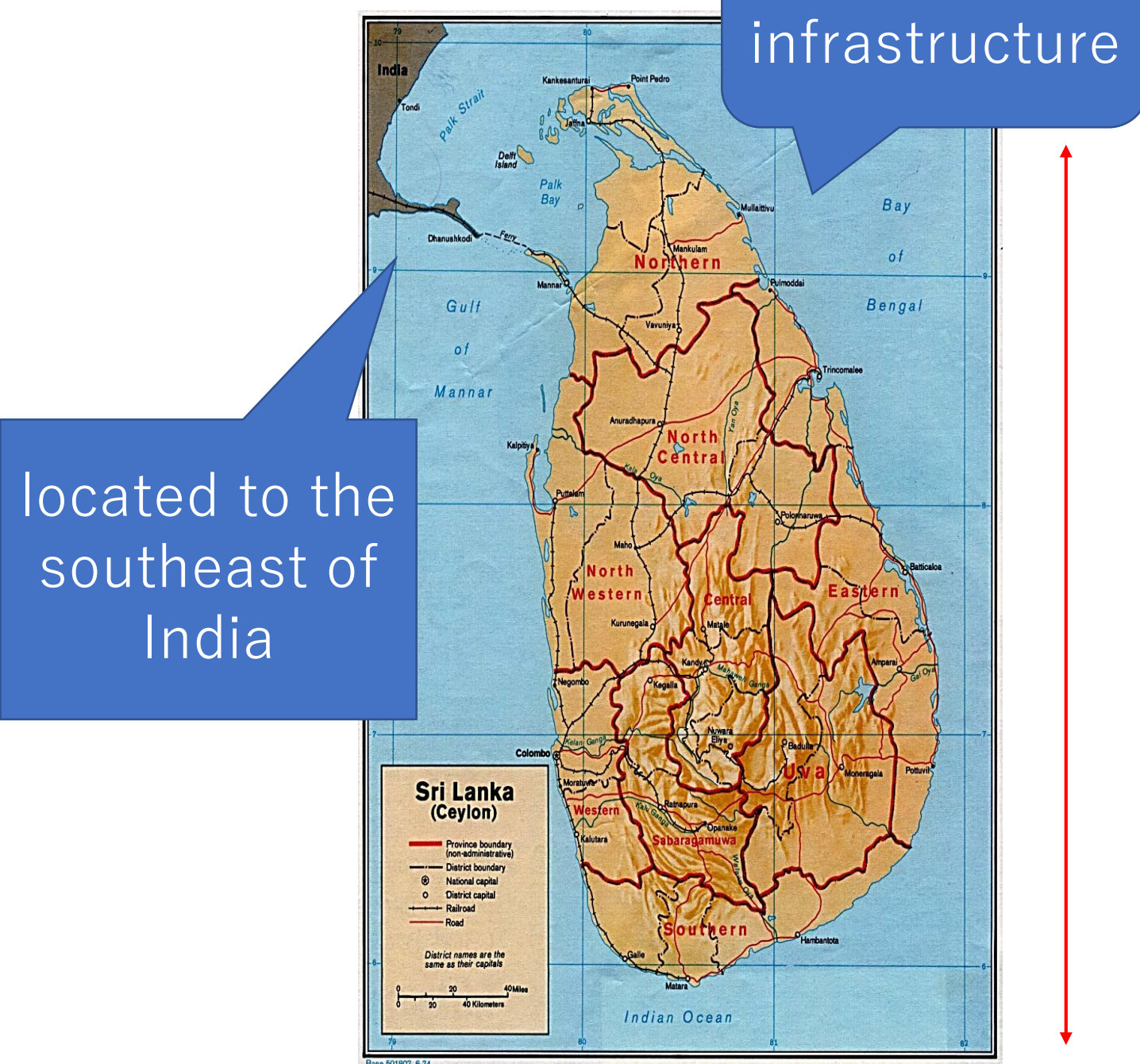
1. Background and Research Question



→ I set up the hypothesis that advanced technology can solve some of the medical problems which are happening in developing countries.

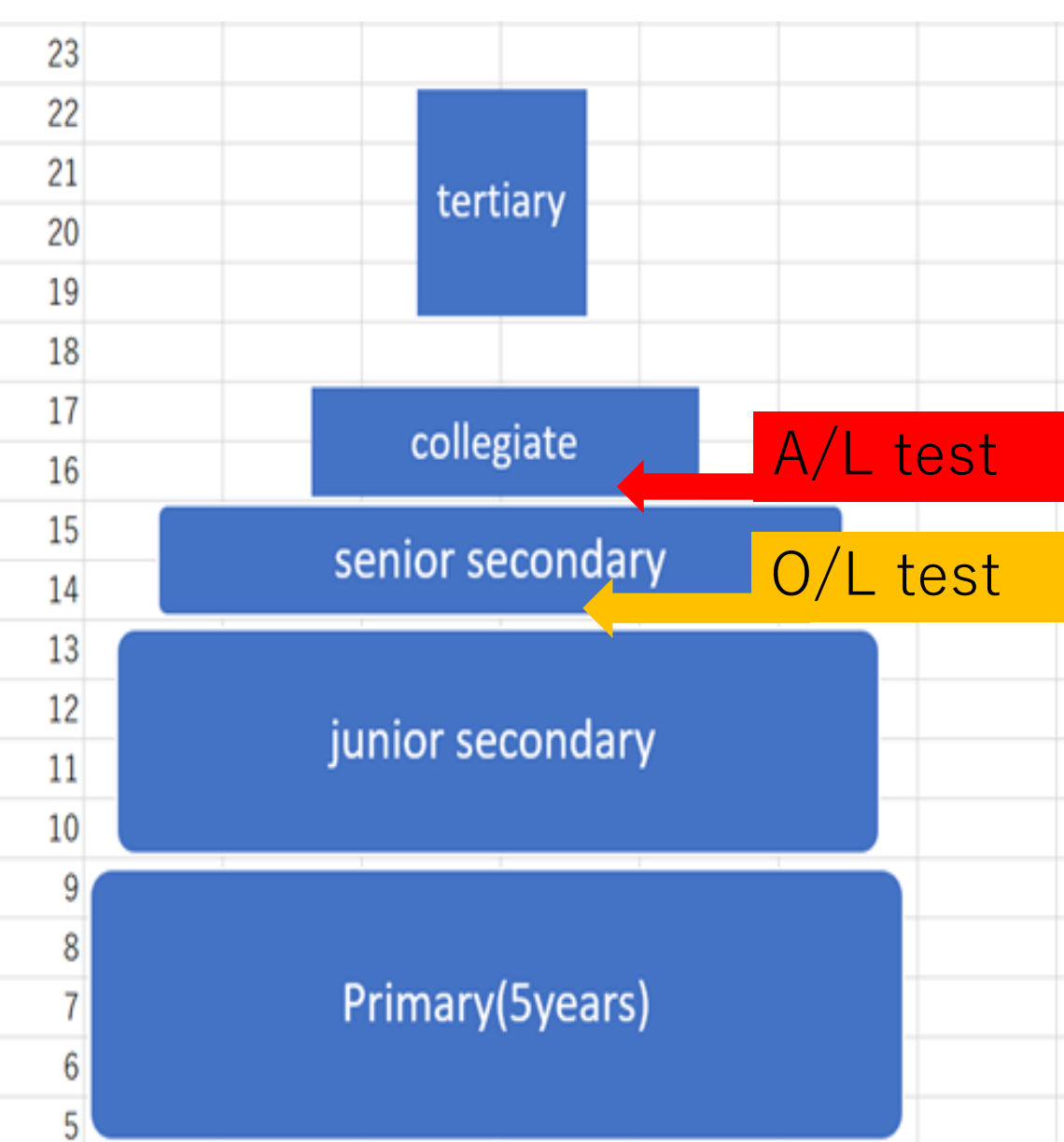
2. About Sri Lanka

Location



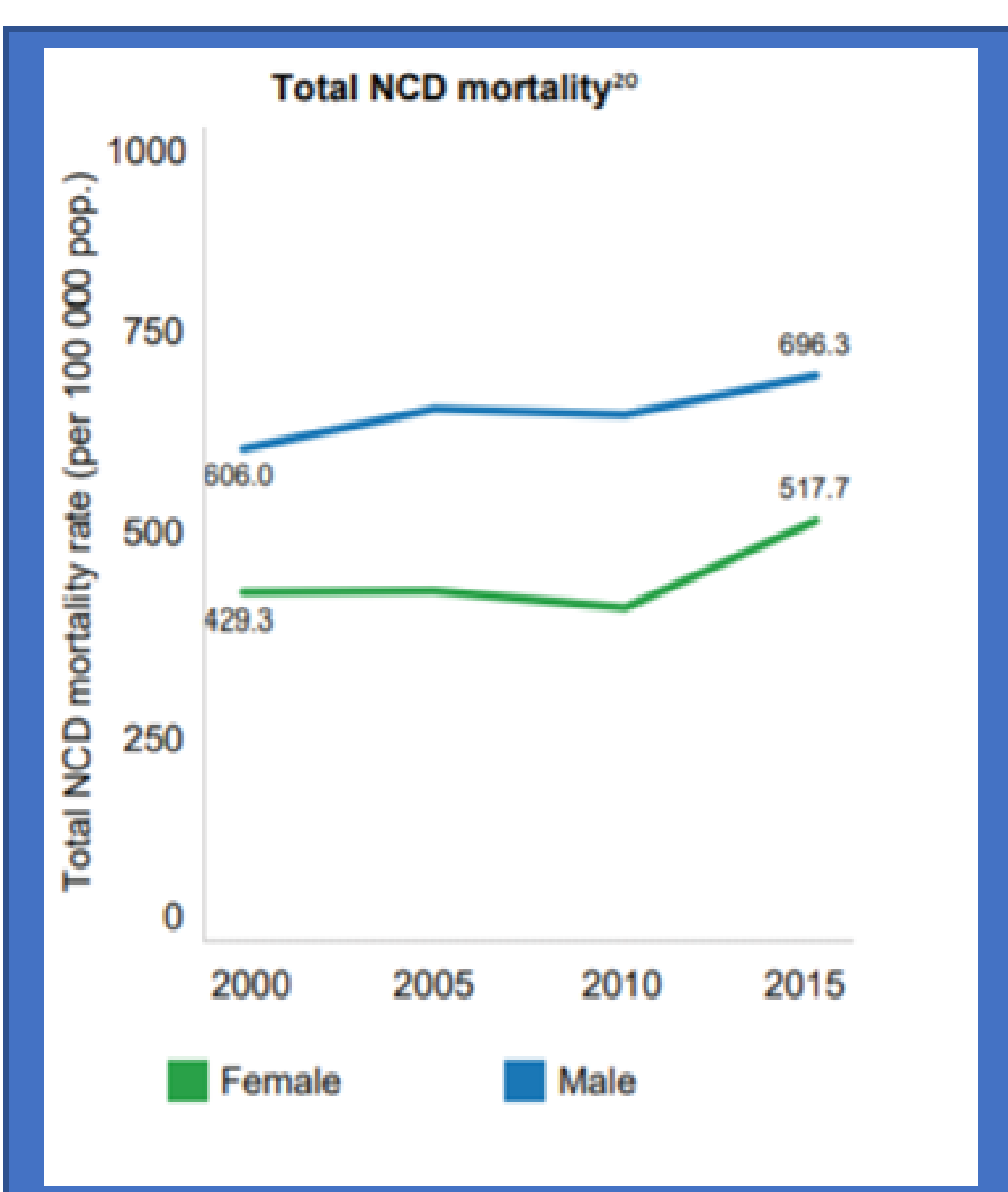
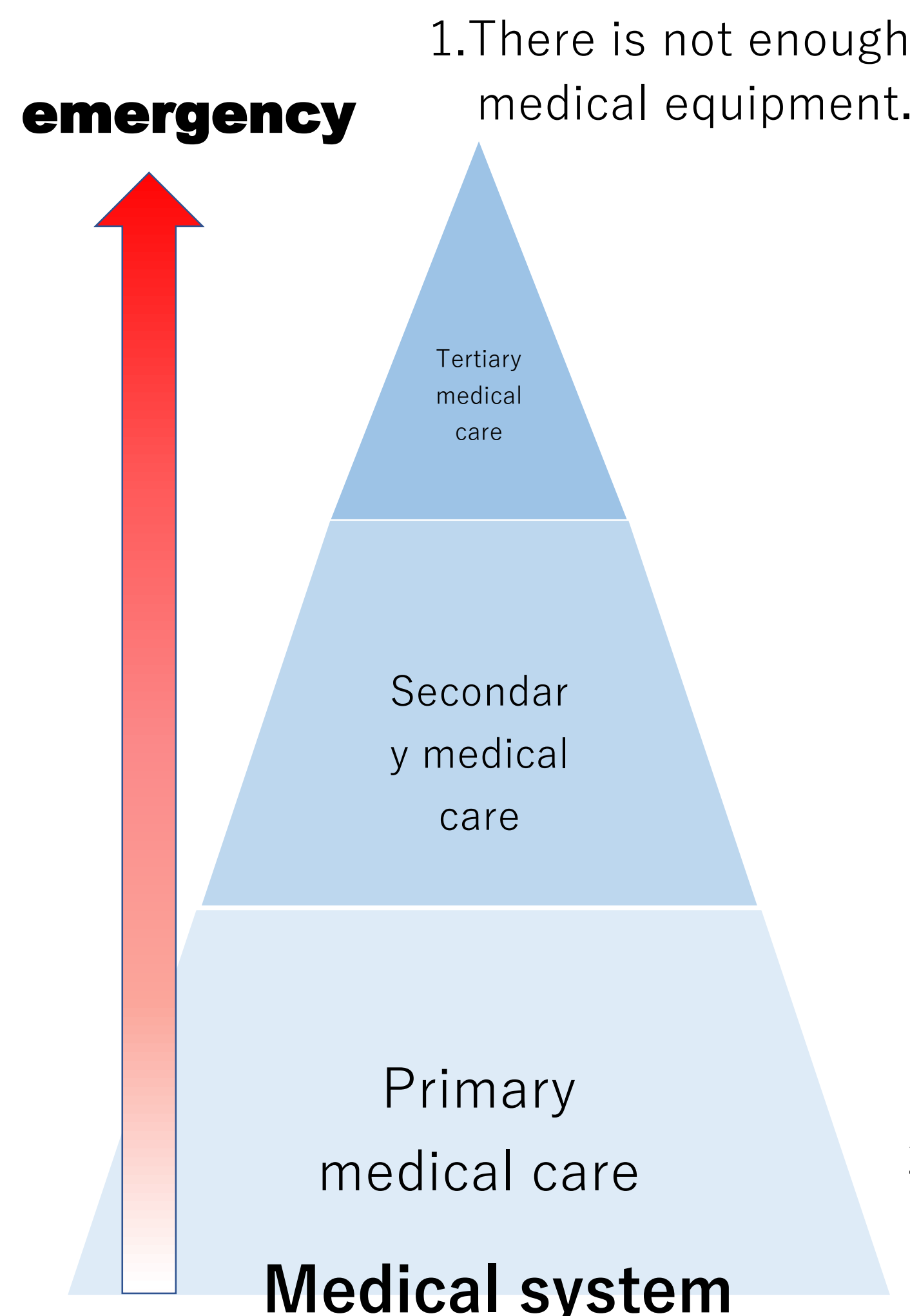
Education

- high literacy rate
- high primary education enrollment rate



remarkable gap between rural and urban infrastructure due to the civil war

3. Two Problems in the Medical Field



2. Cases of non-communicable diseases (NCDs) are increasing.

The shortage of medical equipment

- Using of ICT and AI in order to control medical devices
- **Effective use of telemedicine**

Non-communicable diseases

- Information support by AI
- Sharing information by using ICT
- **Effective use of telemedicine**

4. Telemedicine in Japan

Difference between ICT and AI

ICT (Information and Communication Technology)

- Electronic health record
- CT scan
- MRI
- mammography

AI (Artificial Intelligence)

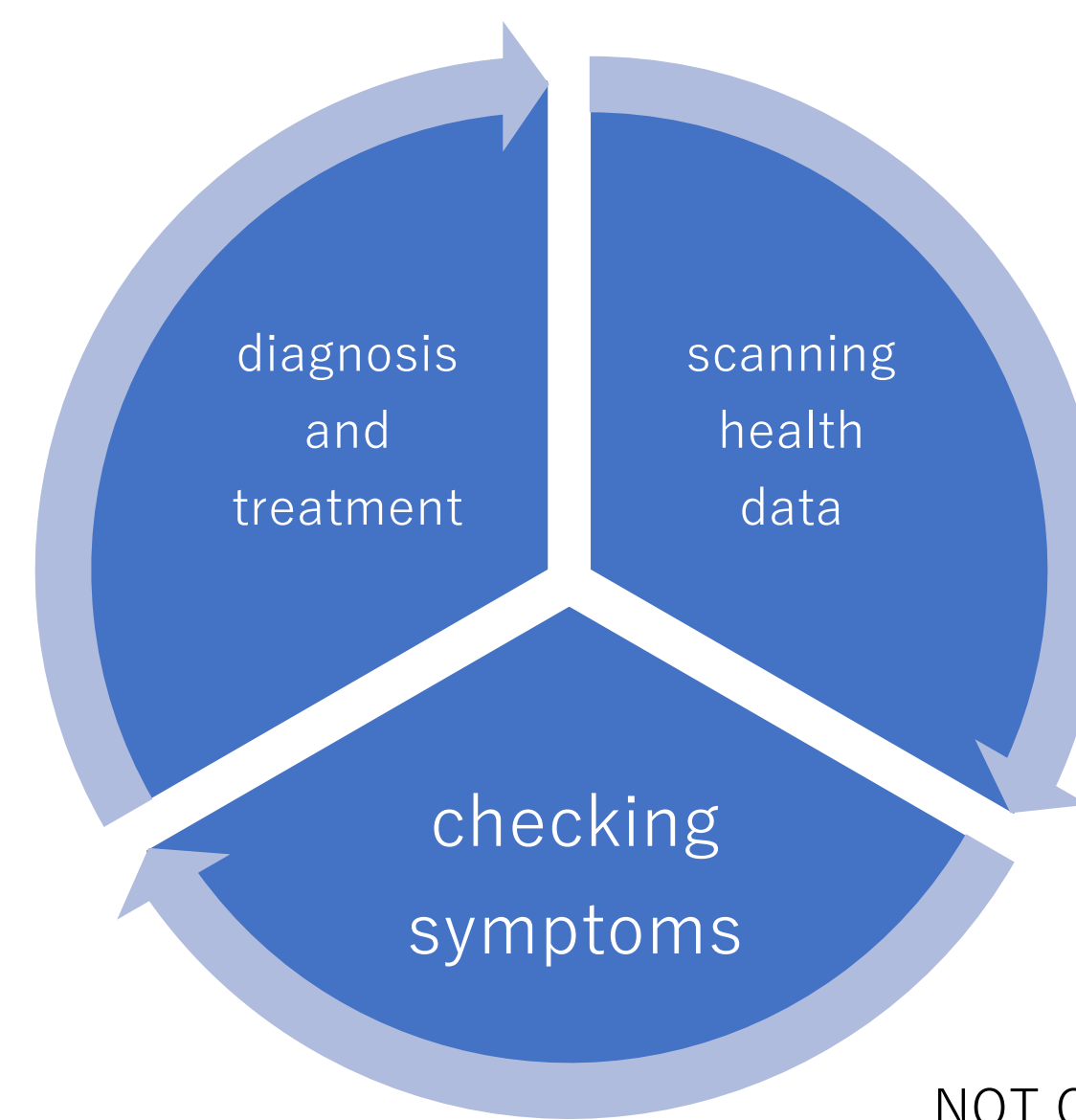
- IBM [Watson]
- Jichi Medical University [White Jack]

Some people are worried about the quality of medical care.

strictly limited → **COVID-19** → more popular

5. Telemedicine in Bangladesh

“miup” is supporting the medical field in Bangladesh by making good use of ICT and AI.



BUT ALSO

- miup can yield **larger profits** in Bangladesh

- accumulated data **improves AI**

- it can be **applied to** more strictly regulated countries

NOT ONLY

- for people who have non-communicable disease
- to solve the shortage of medical equipment

6. Conclusion and Suggestion

Result of study

Implementation of telemedicine in Sri Lanka will be useful.

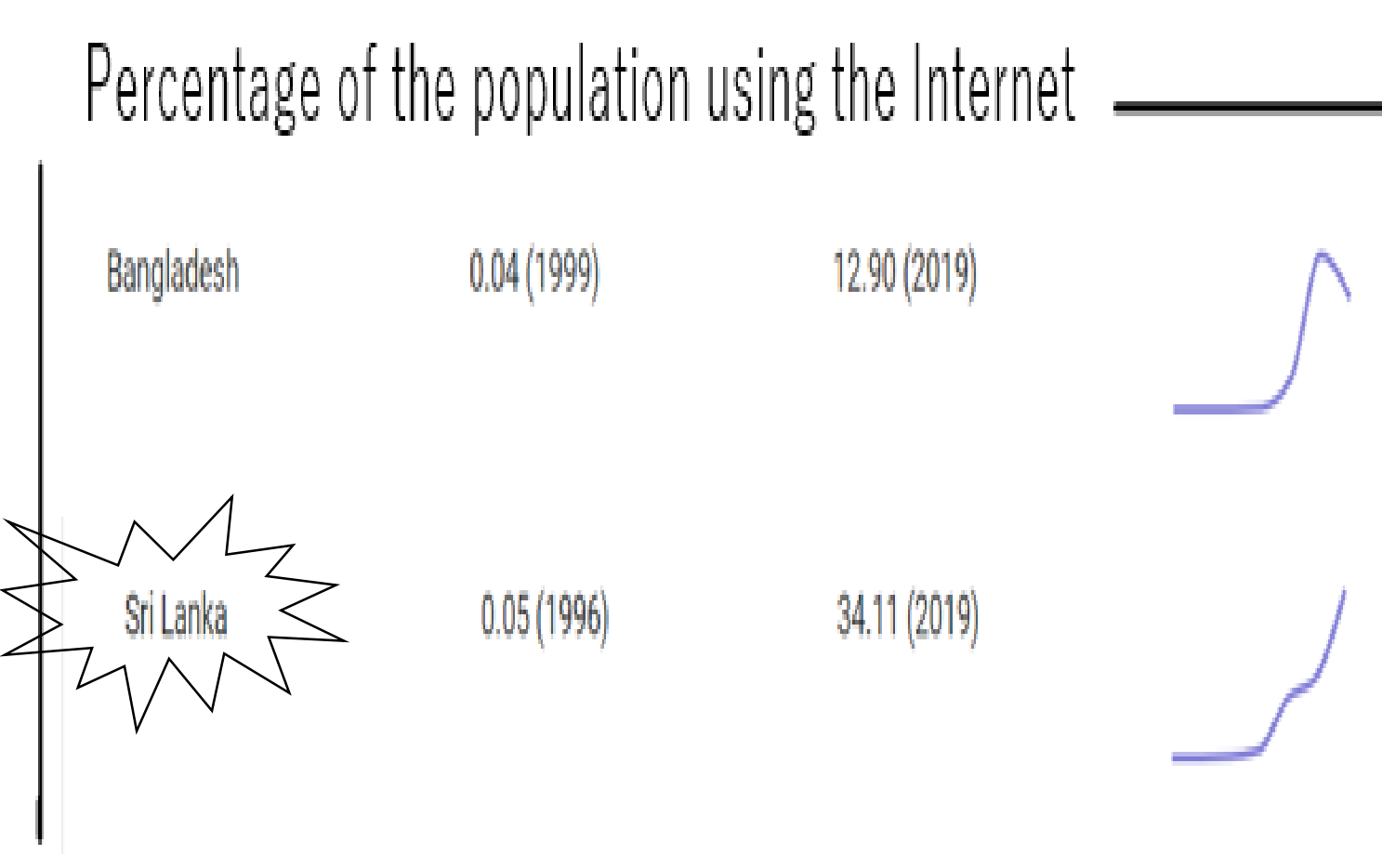


In what way?

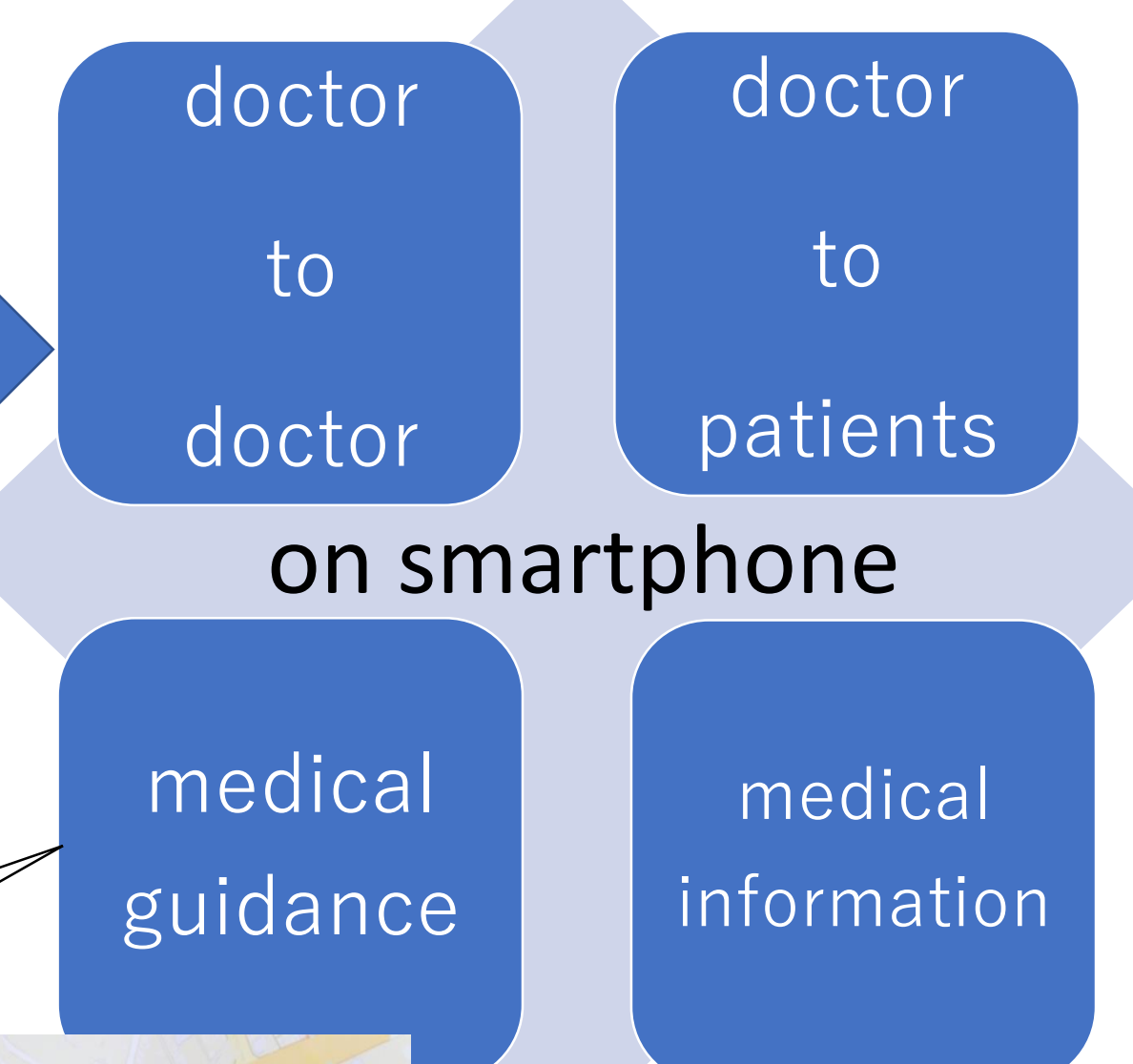
- What is the feature of Sri Lanka?
- How to encourage people to use it?
- How to eliminate a medical gap?



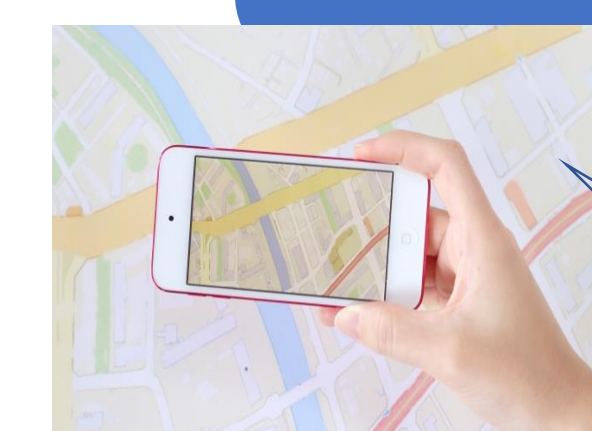
suggestion



Source: https://www.itu.int/net4/ITU-D/ict/e/y/#/topics/2001



People can read and understand their own health information.



Which hospital should we go?