

# Expert Education in HTA: Keio University's Experiences

Rei Goto, MD, PhD

Professor of Health Economics

Graduate School of Business Administration

/Graduate School of Health Management

Keio University

# Keio and HTA

Late 90's

## Study Group on Clinical Economics

Chair: Prof. Naoki Ikegami



<https://hgpi.org/about/member/ikegami.html>

2006~2011

## Endowed Department of Pharmaceutical Economics, funded by the Japan Pharmaceutical Manufacturers Association (JPMA)

Chair: Prof. Isao Kamae



<https://www.pp.u-tokyo.ac.jp/news/2019-06-27-20913/>

2019.4~

## Cost-Effectiveness Evaluation to the Central Social Insurance Medical Council

### Keio University

2019.8~

### HTA Program/Course

2020.4~

### Academic Review Team

# Program Structure

National Institute of Public Health



commissioning

**① Graduate School of Health Management**

**HTA Program**

**3 Faculties and 1 Research Associate  
(Fulltime)**

**② School of Medicine**

**Academic Review Team**

**2 Faculties and  
4 Research Associate  
(Fulltime)**

Health Economics  
Health economic evaluation  
Related research

Health economic  
evaluation and  
Engagement in policy-  
making

# HTA Course

## 1<sup>st</sup> Semester

Basic epidemiology (2)

Basic biostatistics I (2)

Basic biostatistics II (2)

Pharmacoeconomics(2)

Healthcare System and Regulatory Science  
(2)

## 2<sup>nd</sup> Semester

Applied biostatistics (2)

Assessment of Quality of Life (QOL)  
and Costs  
(2)

Advanced Health Economic Evaluation  
(1)

## 3<sup>rd</sup> Semester

Practical Exercises in Cost-Effectiveness  
Evaluation(2)

Cost-effectiveness evaluation exercise  
(2)

Economic evaluation model analysis seminar  
(1)

- A certificate is awarded to students who complete 11 courses (20 credits).
- While primarily designed for master's and doctoral students of the Graduate School of Health Management, courses are open to all graduate students of Keio University.
- It is also possible to enroll in individual courses separately as a non-degree student.

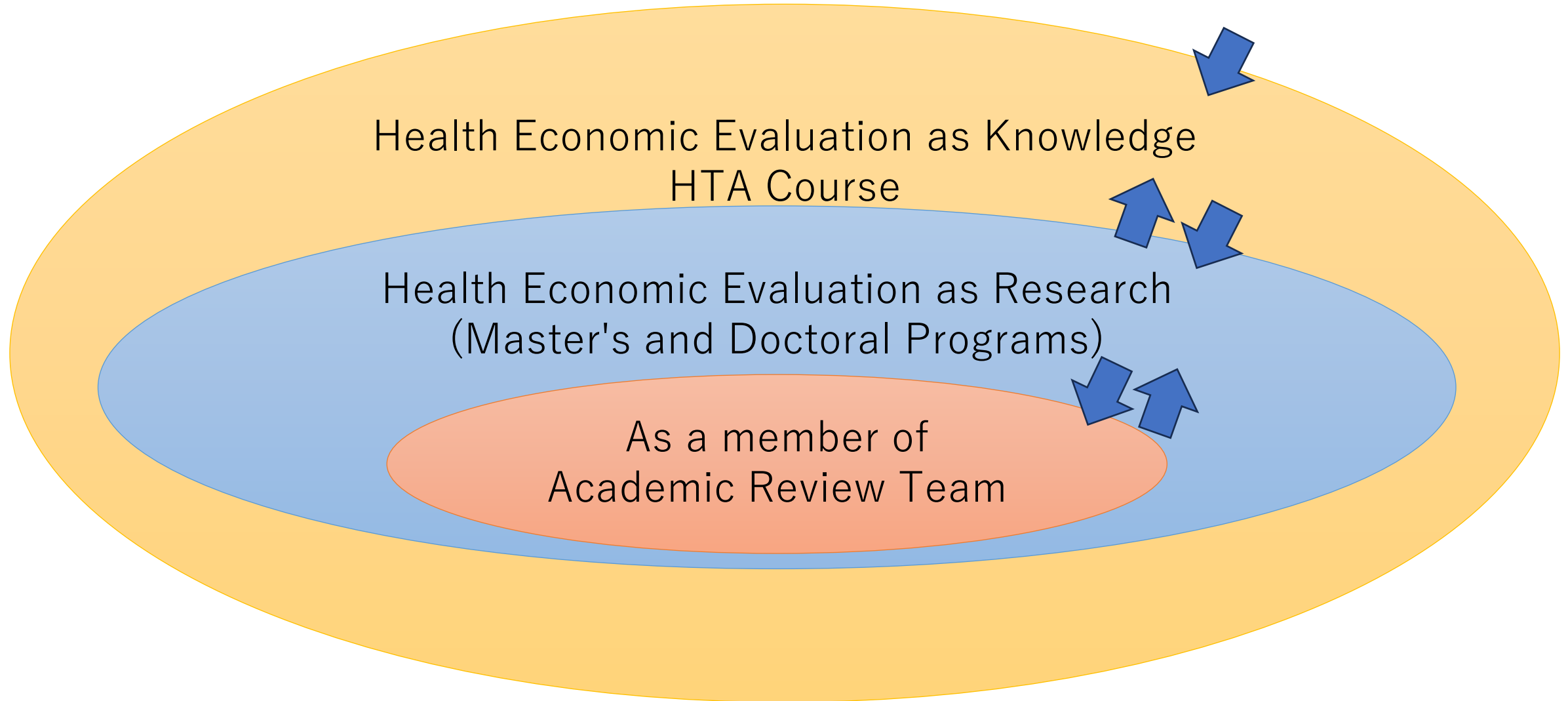
## Number of certificate recipients, categorized by medical qualification

	2020	2021	2022	2023	2024
■ Number of certificates awarded	18	22	23	11	16
(Non degree students)	(0)	(4)	(4)	(1)	(1)
■ Medical qualifications (Duplicates present)					
Medical Doctor	1	8	3	1	3
Dentist	0	1	0	0	0
Pharmacist	1	2	6	2	3
Nurse	7	4	2	1	2
Public health nurse	6	4	2	1	1
Midwife	0	1	0	0	0
None	7	4	10	7	8
NC	0	4	2	0	0

## Student Enrollment and Achievements in the HTA Program

- Each year, approximately **30 students** (including non-degree students) **enroll in HTA courses**.
- Each year, about **20 students** earn 20 credits and **complete the program**.
- Since **2020**, **90** students who have been **awarded certificates**, **29** have received an **MPH** degree and **1** has received a **PhD** degree under the supervision of HTA course faculty.

# Interest in health economic evaluation varies widely



# Experiences from the HTA Course Since 2020

- Aim: cultivate broad interest in health economic evaluation
- Beyond pharmaceuticals: preventive medicine, nursing care, and more
- Open to students from diverse backgrounds, not only medicine or nursing
- More than 10 graduates have already contributed to academic review team
- HTA course provides opportunities to engage in policy decision-making after acquiring basic knowledge



## Challenges: Cultivating Future Talent in HTA

- Fostering talent who can publish academic papers on health economic evaluation
- Balancing effort between research and practical training (e.g., academic review and collaborations with C2H)
- Career paths using health economic evaluation
  - Clinical settings
  - Public institutions
  - Industry (manufacturers, consulting firms)
- Need for systems that encourage exposure to multiple perspectives (post-graduation exchanges, lifelong learning)
- International exchange