

# Konan Hara

## *Curriculum Vitae*

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## Personal Information

Citizenship Japan

Language English (fluent), Japanese (native)

## Education

2020 – **Economics Ph.D. Program**, University of Arizona.

2019 **Ph.D. in Medicine**, *Department of Public Health*, The University of Tokyo.

2013 **M.D. Equivalent**, The University of Tokyo.

A six-year undergraduate degree that allows one to obtain medical license in Japan.

2013 **B.A.**, *Faculty of Medicine*, The University of Tokyo.

## Research Interests

- Industrial Organization
- Econometrics
- Health Economics
- Energy and Environmental Economics
- Biostatistics and Epidemiology

## Qualification

2013 **Medical Doctor**, Japan.

## Appointments and Affiliations

### Academic Positions

04/20 – 01/21 **Project Researcher**, *Department of Public Health*, The University of Tokyo, Tokyo, Japan.

04/19 – 08/20 **Part-time Researcher**, TXP Medical Co., Ltd., Tokyo, Japan.

04/19 – 12/20 **Part-time Researcher**, *Department of Hematology*, Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hospital, Tokyo, Japan.

04/19 – 03/20 **Project Researcher**, *Graduate School of Economics*, The University of Tokyo, Tokyo, Japan.

07/17 – 03/19 **Project Researcher**, *Department of Public Health*, The University of Tokyo, Tokyo, Japan.

#### Consulting and Advising

04/21 – **Consultant**, *Economic and Social Research Institute*, Cabinet Office, Government of Japan, Tokyo, Japan.

08/20 – **Consultant**, TXP Medical Co., Ltd., Tokyo, Japan.

#### Appointments at Hospitals

07/16 – 12/20 **Nephrologist**, Chiba Aiyukai Kinen Hospital, Chiba, Japan.

01/16 – 06/16 **Nephrologist**, Ageo Central General Hospital Eight Nine Clinic, Saitama, Japan.

04/15 – 12/15 **Physician**, Nishimura Heart Clinic, Saitama, Japan.

04/14 – 03/15 **Intern**, The University of Tokyo Hospital, Tokyo, Japan.

04/13 – 03/14 **Intern**, The Fraternity Memorial Hospital, Tokyo, Japan.

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### Research Experience

05/21 – **Research Assistant for Ashley Langer**, University of Arizona.  
Funded by: NSF grant (SES-2149335)

08/21 – 05/21 **Research Assistant for Ashley Langer and Derek Lemoine**, University of Arizona.  
Funded by: Arizona Institutes for Resilience

01/21 – 07/21 **Research Assistant for Gautam Gowrisankaran**, University of Arizona.  
Funded by: NSF grant (SES-1824348)

08/17 – 03/19 **Research Assistant for Hidehiko Ichimura**, *Graduate School of Economics*, The University of Tokyo.  
Funded by: Japan Society for the Promotion of Science KAKENHI (15H05692)

02/17 – 03/17 **Research Assistant for Hajime Sato**, National Institute of Public Health.  
Funded by: Japanese Ministry of Health, Labour and Welfare (H29-tokubetsu-shitei-035)

07/16 – 03/17 **Research Assistant for Yuichi Tei**, *Graduate School of Engineering*, The University of Tokyo.  
Funded by: Japan Science and Technology Agency (JPMJCE1304)

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### Teaching Experience

Spring 2022 **Teaching Assistant for Hidehiko Ichimura**, University of Arizona.  
ECON 522A: Econometrics for 1st-year PhD students (core)

Fall 2021 **Teaching Assistant for Tiemen Woutersen**, University of Arizona.  
ECON 522B: Econometrics for 2nd-year PhD students (core)

Spring 2021 **Teaching Assistant for Juan Pantano**, University of Arizona.  
ECON 422: Health Economics for advanced undergraduate students

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### Honors and Awards

- 2022 **Ed Zajac Prize**, University of Arizona.  
Best 3rd-year paper award
- 2021 **Steve Manos Prize**, University of Arizona.  
Best 2nd-year paper award
- 2021 **Eller Graduate General Scholarship**, University of Arizona.  
Award of excellence for 2nd-year class performance
- 2021 – 2023 **Rotary Foundation District Grant Scholarship**, Rotary International District 2580, Rotary Foundation.
- 2014 **Award of Excellence**, *Internal Medicine Lecture Series for Interns*, The University of Tokyo Hospital.

## Research Grants

- 2019 **Investigator**, *Elucidation of regulatory mechanisms for latent infection in progenitor cells and molecular mechanisms for virus reactivation along with cell differentiation (PI: Ayumi Taguchi)*, Japan Agency for Medical Research and Development (AMED).

## Publications

### Economics

- [1] Yuki Ito, **Konan Hara**, and Yasuki Kobayashi. The effect of inertia on brand-name versus generic drug choices. *Journal of Economic Behavior & Organization*, 172:364–379, 2020.

### Public Health and Clinical Research (First/Corresponding Author)

- [1] Ryo Ikesu, Ayumi Taguchi, **Konan Hara**, Kei Kawana, Tetsushi Tsuruga, Jun Tomio, and Yutaka Osuga. Prognosis of high-risk human papillomavirus-related cervical lesions: A hidden Markov model analysis of a single-center cohort in Japan. *Cancer Medicine*, 00:1–12, 2021.
- [2] **Konan Hara**, Yasuki Kobayashi, Jun Tomio, Yuki Ito, Thomas Svensson, Ryo Ikesu, Ung-il Chung, and Akiko Kishi Svensson. Claims-based algorithms for common chronic conditions were efficiently constructed using machine learning methods. *PLOS ONE*, 16(9):e0254394, 2021.
- [3] **Konan Hara**, Jun Tomio, Thomas Svensson, Rika Ohkuma, Akiko Kishi Svensson, and Tsutomu Yamazaki. Association measures of claims-based algorithms for common chronic conditions were assessed using regularly collected data in Japan. *Journal of Clinical Epidemiology*, 99:84–95, 2018.

### Public Health and Clinical Research (Others)

- [1] Yuki Kosaka, Takehiro Sugiyama, **Konan Hara**, and Yasuki Kobayashi. Adherence to Daily, Weekly, and Monthly Dosing Regimens of Bisphosphonates for Osteoporosis Treatment in Postmenopausal Women in Japan: A Retrospective Study Using Claims Data. *The Tohoku Journal of Experimental Medicine*, 255(2):147–155, 2021.
- [2] Yuki Ito, **Konan Hara**, Hajime Sato, and Jun Tomio. Knowledge, Experi-

- ence, and Perceptions of Generic Drugs among Middle-Aged Adults and their Willingness-to-Pay: A Nationwide Online Survey in Japan. *The Tohoku Journal of Experimental Medicine*, 255(1):9–17, 2021.
- [3] Itsuki Osawa, Tomohiro Sonoo, Shoko Soeno, **Konan Hara**, Kensuke Nakamura, and Tadahiro Goto. Clinical performance of early warning scoring systems for identifying sepsis among anti-hypertensive agent users. *The American Journal of Emergency Medicine*, 48:120–127, 2021.
  - [4] Kiyomitsu Fukaguchi, Hiroshi Yamagami, Shoko Soeno, **Konan Hara**, Toru Shirakawa, Tomohiro Sonoo, Kensuke Nakamura, and Tadahiro Goto. Association of Initial Potassium Levels with the Type of Stroke in the Emergency Department. *Journal of Stroke and Cerebrovascular Diseases*, 30(8):105875, 2021.
  - [5] Shoko Soeno, **Konan Hara**, Ryo Fujimori, Katsuhiko Hashimoto, Toru Shirakawa, Tomohiro Sonoo, Kensuke Nakamura, and Tadahiro Goto. Initial assessment in emergency departments by chief complaint and respiratory rate. *Journal of General and Family Medicine*, 22(4):202–208, 2021.
  - [6] Tadahiro Goto, **Konan Hara**, Katsuhiko Hashimoto, Shoko Soeno, Toru Shirakawa, Tomohiro Sonoo, and Kensuke Nakamura. Validation of chief complaints, medical history, medications, and physician diagnoses structured with an integrated emergency department information system in Japan: the Next Stage ER system. *Acute Medicine & Surgery*, 7(1):1–8, 2020.
  - [7] Yoshitaka Kinoshita, Takashi Yagisawa, Toru Sugihara, **Konan Hara**, Saki Takeshima, Taro Kubo, Takahiro Shinzato, Toshihiro Shimizu, Michiko Suzuki, Akito Maeshima, Jun Kamei, Akira Fujisaki, Satoshi Ando, Motofumi Suzuki, Haruki Kume, and Tetsuya Fujimura. Clinical outcomes in donors and recipients of kidney transplantations involving medically complex living donors – a retrospective study. *Transplant International*, 33(11):1417–1423, 2020.
  - [8] Takuya Shimizuguchi, Noritaka Sekiya, **Konan Hara**, Ayumi Taguchi, Yujiro Nakajima, Yu Miyake, Yukiko Shibata, Kentaro Taguchi, Hiroaki Ogawa, Kei Ito, and Katsuyuki Karasawa. Radiation therapy and the risk of herpes zoster in patients with cancer. *Cancer*, 126(15):3552–3559, 2020.
  - [9] Satoshi Kaito, Yujiro Nakajima, **Konan Hara**, Takashi Toya, Tetsuya Nishida, Naoyuki Uchida, Junichi Mukae, Takahiro Fukuda, Yukiyasu Ozawa, Masatsugu Tanaka, Kazuhiro Ikegame, Yuta Katayama, Takuro Kuriyama, Junya Kanda, Yoshiko Atsuta, Masao Ogata, Ayumi Taguchi, and Kazuteru Ohashi. Heterogeneous impact of cytomegalovirus reactivation on nonrelapse mortality in hematopoietic stem cell transplantation. *Blood Advances*, 4(6):1051–1061, 2020.
  - [10] Satoshi Baba, Ayumi Taguchi, Akira Kawata, **Konan Hara**, Satoko Eguchi, Mayuyo Mori, Katsuyuki Adachi, Seiichiro Mori, Takashi Iwata, Akira Mitsuhashi, Daichi Maeda, Atsushi Komatsu, Takeshi Nagamatsu, Katsutoshi Oda,

Iwao Kukimoto, Yutaka Osuga, Tomoyuki Fujii, and Kei Kawana. Differential expression of human papillomavirus 16-, 18-, 52-, and 58-derived transcripts in cervical intraepithelial neoplasia. *Virology Journal*, 17(1):32, 2020.

- [11] Ayumi Taguchi, Akiko Furusawa, Kei Ito, Yujiro Nakajima, Takuya Shimizuguchi, **Konan Hara**, Maki Takao, Tomoko Kashiya, Nao Kino, Katsuyuki Karasawa, and Toshiharu Yasugi. Postradiotherapy persistent lymphopenia as a poor prognostic factor in patients with cervical cancer receiving radiotherapy: a single-center, retrospective study. *International Journal of Clinical Oncology*, 25(5):955–962, 2020.
- [12] Ayumi Taguchi, **Konan Hara**, Jun Tomio, Kei Kawana, Tomoki Tanaka, Satoshi Baba, Akira Kawata, Satoko Eguchi, Tetsushi Tsuruga, Mayuyo Mori, Katsuyuki Adachi, Takeshi Nagamatsu, Katsutoshi Oda, Toshiharu Yasugi, Yutaka Osuga, and Tomoyuki Fujii. Multistate Markov Model to Predict the Prognosis of High-Risk Human Papillomavirus-Related Cervical Lesions. *Cancers*, 12(2):270, 2020.
- [13] Yuki Ito, **Konan Hara**, Byung-kwang Yoo, Jun Tomio, and Yasuki Kobayashi. Can income-based co-payment rates improve disparity? The case of the choice between brand-name and generic drugs. *BMC Health Services Research*, 19(1):780, 2019.
- [14] Yoshitaka Kinoshita, Akira Ishikawa, **Konan Hara**, Toru Sugihara, Yoshitaka Ishibashi, and Yukio Homma. Plasma cell neoplasm as a risk factor for early thrombosis of arteriovenous fistula. *Hemodialysis International*, 22(2):176–179, 2018.

## Conference Presentations

- 2020 Machine Learning for Healthcare
- 2019 Annual Meeting of the Japanese Association for Acute Medicine
- 2017 International Health Economics Association 12th World Congress; Japanese Society of Public Health Annual Meeting
- 2015 Japanese Society of Public Health Annual Meeting

## Computer Skills

- Data Science R (Advanced), Python (Intermediate), Stata (Novice)
  - RDBMS MySQL (Advanced), Oracle SQL (Intermediate), SQL Server (Novice)
  - DWH Oracle Exadata (Intermediate)
  - Documentation LaTeX (Advanced), GFM (Advanced), R markdown (Intermediate)
  - Others Zsh (Advanced), Bash (Advanced)
- Advanced = Regularly used, Intermediate = Occasionally used, Novice = Rarely used