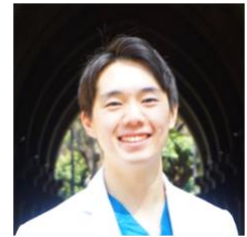# Curriculum Vitae

Ryunosuke "Ryan" Goto, M.D.
Incoming PhD student in Biomedical Data Science, Stanford University
Knight-Hennessy Scholar, Stanford University
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I am a Ph.D. student at Stanford's Biomedical Data Science program and a Stanford Knight-Hennessy Scholar. Previously, I was a Chief Resident in Pediatrics at Nagano Children's Hospital and the University of Tokyo Hospital. After receiving primary and secondary education in the United Kingdom and the United States, I received my M.D. from the University of Tokyo in 2019. I am interested in developing and applying bioinformatics and causal inference tools to investigate how genetic and environmental factors shape human development, behavior, and disease. My work has been published in *The Lancet*, *JAMA Pediatrics*, and *Pediatrics*, among other journals.

Education	**Ph.D. Program in Biomedical Data Science, Stanford University School of Medicine, Stanford, CA, USA** 09/2024 -
	M.D., Faculty of Medicine, The University of Tokyo, Tokyo, Japan 04/2013 - 03/2019
	Monta Vista High School, Cupertino, CA, USA 08/2008 - 06/2012
Work Experience	**Kyoto University** *Research Fellow, Graduate School of Medicine* 04/2024 – 06/2024
	Nagano Children's Hospital *Resident Physician, Pediatrics* 10/2021 – 03/2024 (Chief Resident 04/2023 – 03/2024)
	The University of Tokyo Hospital *Resident Physician, Pediatrics* 04/2019 – 03/2024
	IBM Research *Research Intern* 02/2019 - 03/2019 Explored possible applications of automated connected speech analysis in the detection of pragmatic language impairment in individuals with autistic spectrum disorder
	United Nations Relief and Works Agency for Palestine Refugees in the Near East *Intern* 07/2017 - 09/2017 Quality improvement and research on the dissemination and implementation of an electronic maternal and child health handbook application, e-MCH Handbook

For more information on the e-MCH Handbook:
http://libopac.jica.go.jp/images/report/1000036631_02.pdf

Ongoing research

Mendelian randomization study of loneliness and suicide
10/2023-

Social network experiment for prevention of social isolation
08/2022-

Adolescents of Ukraine During the 2022 Russian Invasion (AUDRI) Cohort
07/2022-
I receive generous funding from the Chernobyl-Fukushima Medical Fund and The Japan Foundation for Pediatric Research for this project.

Publications

Preprints

Ryunosuke Goto, Tatsuhiko Naito, Norbert Skokauskas, Kosuke Inoue. Polygenic risk scores for precision psychiatry: a study on the effect heterogeneity of antidepressants. *medRxiv preprint*. 2024 Nov 4.

Peer-reviewed publications

Ryunosuke Goto, Irina Pinchuk, Yusuke Okubo, Nataliia Pimenova, Oleksiy Kolodezhny, Yukiko Kano, Bennett L. Leventhal, Norbert Skokauskas. Impact of displacement on mental health in war-exposed Ukrainian adolescents: a longitudinal study. ***World Psychiatry*** (in press).

Ryunosuke Goto, Irina Pinchuk, Oleksiy Kolodezhny, Nataliia Pimenova, Yukiko Kano, Norbert Skokauskas. The Mental Health Burden of War on Adolescents: Evidence from Ukraine, 2023. ***JAMA Pediatrics***. 2024 May 1;178(5):480–488.

Ryunosuke Goto, Kosuke Inoue, Itsuki Osawa, Katherine Baicker, Scott L. Fleming, Yusuke Tsugawa. Machine learning detects heterogeneous effects of Medicaid coverage on depression. ***American Journal of Epidemiology***. 2024 Feb 33;kwae008.

Ryunosuke Goto, Ichiro Kawachi, Naoki Kondo, Kosuke Inoue. Contribution of vaccinations to reducing socioeconomic disparities in COVID-19 deaths across US counties. ***Annals of Epidemiology***. 2023 Jul 16;86:65-71.

Ryunosuke Goto, Irina Pinchuk, Oleksiy Kolodezhny, Nataliia Pimenova, Norbert Skokauskas. Study protocol: Adolescents of Ukraine During the Russian Invasion (AUDRI) cohort. ***BMC Public Health***. 2023 Jul 12;23:1342.

Irina Pinchuk*, **Ryunosuke Goto*****,** Oleksiy Kolodezhny, Nataliia Pimenova, Norbert Skokauskas. Dynamics of hospitalizations and staffing of Ukraine's mental health services during the Russian invasion. ***International Journal of Mental Health Systems***. 2023 Jun 24;17(1):20. (*joint first authors)

Ryunosuke Goto***,** Irina Pinchuk*, Oleksiy Kolodezhny, Nataliia Pimenova, Norbert Skokauskas. Mental health services in Ukraine during the early phases of the 2022 Russian invasion. ***British Journal of Psychiatry***. 2022 Dec 2;222(2):82-87. (*joint first authors)

Ryunosuke Goto, Aurelie Piedvache, Mayumi Hangai, Yui Yamaoka, Mariko Sampei, Naomi Sawada, Yusuke Okubo, Kyoko Tanaka, Naho Morisaki, Mariko Hosozawa. Time trends in emotional well-being and self-esteem in children and adolescents during the COVID-19 pandemic. *Child and Adolescent Psychiatry and Mental Health*. 2022 Nov 23;16:89.

Ryunosuke Goto, Yusuke Okubo, Norbert Skokauskas. Reasons and trends in youth's suicide rates during the COVID-19 pandemic. *The Lancet Regional Health – Western Pacific*. 2022 Oct 1;27:100567.

Irina Pinchuk*, **Ryunosuke Goto***, Nataliia Pimenova, Oleksiy Kolodezhny, Anthony P. S. Guerrero, Norbert Skokauskas. Mental health of helpline staff in Ukraine during the 2022 Russian invasion. *European Psychiatry*. 2022 Aug 10; 65(1), E45. (*joint first authors)

Ryunosuke Goto, Roch Nianogo, Yusuke Okubo, Kosuke Inoue. Evaluation of Obesity Trends Among US Adolescents by Socioeconomic Status, 1999-2018. *JAMA Pediatrics*. 2022 Jun 21;176(9):937–940.

Ryunosuke Goto, Natsumi Matsuda, Maiko Nonaka, Yu Hamamoto, Yosuke Eriguchi, Mayu Fujiwara, Akane Suzuki, Yukari Yokoyama, Yukiko Kano. The Gilles de la Tourette Syndrome-Quality of Life Scale (GTS-QOL): A Validation in Japanese Patients. *Frontiers in Psychiatry*. 2022 Jan 3;12:797037.

Yosuke Eriguchi, Xiaoxue Gu, Naoto Aoki, Maiko Nonaka, **Ryunosuke Goto,** Hitoshi Kuwabara, Yukiko Kano, Kiyoto Kasai. A 2-year longitudinal follow-up of quantitative assessment neck tics in Tourette's syndrome. *Plos One*. 2021 Dec 30;16(12):e0261560.

Ryunosuke Goto, Yoko Watanabe, Ako Yamazaki, Masatoshi Sugita, Satoru Takeda, Masao Nakabayashi, Yasuhide Nakamura. Can digital health technologies exacerbate the health gap? A clustering analysis of mothers' opinions toward digitizing the maternal and child health handbook. *SSM-Population Health*. 2021 Oct;16:100935.

Ryunosuke Goto, Thomas Frodl, Norbert Skokauskas. Armed conflict and early childhood development in 12 low- and middle-income countries. *Pediatrics*. 2021 Sep;148(3),e2021050332.

Ryunosuke Goto, Ryo Inuzuka, Takahiro Shindo, Yoshiyuki Namai, Yoichiro Oda, Yutaka Harita, Akira Oka. Relationship between post-IVIG IgG levels and clinical outcomes in Kawasaki disease patients: new insight into the mechanism of action of IVIG. *Clinical Rheumatology*. 2020 Dec;39: 3747-55.

Seif Nasir*, **Ryunosuke Goto***, Akiko Kitamura, Sahar Alafeef, Ghada Ballout, Majed Hababeh, Junko Kiriya, Akihiro Seita, Masamine Jimba. Dissemination and implementation of the e-MCH Handbook, UNRWA's newly released maternal and child health mobile application: a cross-sectional study. *BMJ Open*. 2020;10:e034885. (*joint first authors)

Ryunosuke Goto, Miyuki Fujio, Natsumi Matsuda, Mayu Fujiwara, Marina Nobuyoshi, Maiko Nonaka, Toshiaki Kono, Masaki Kojima, Norbert Skokauskas, Yukiko Kano. The effects of comorbid Tourette symptoms on distress caused by compulsive-like behavior in very young children: a cross-sectional study. *Child and Adolescent Psychiatry and Mental Health*. 2019 Jun 28;13:28.

Other publications

Ryunosuke Goto, Yoko Watanabe, Yasuhide Nakamura. JAPAN: Digitization of MCH Handbook and the socioeconomic disparity in health. *Japan International Cooperation Agency Technical Brief*. Jun 2022. https://www.jica.go.jp/activities/issues/health/mch_handbook/ku57pq000028koi9-att/technical_brief_41.pdf.

Ryunosuke Goto, Anthony P. S. Guerrero, Mario Speranza, Daniel Fung, Campbell Paul, Norbert Skokauskas. War is a public health emergency. *The Lancet.* 2022 Apr 2; 399(1302):1302.

Akiko Kitamura, **Ryunosuke Goto**, Seif Nasir, Majed Hababeh, Ghada Ballout, Akihiro Seita. JORDAN: UNRWA's electric MCH Handbook application for Palestine Refugees. *Japan International Cooperation Agency Technical Brief*. August 2017. http://libopac.jica.go.jp/images/report/1000036631_02.pdf.

Japanese translation of: Cohn SL. Preoperative Evaluation for Noncardiac Surgery. *Ann Intern Med*. 2016;165:JITC81-JITC96. http://annals.org/data/journals/aim/935916/aitc201612060_japanese.pdf

Presentations and Talks

Oral Conference Presentations

Ryunosuke Goto, Kosuke Inoue, Itsuki Osawa, Katherine Baicker, Scott L. Fleming, Yusuke Tsugawa. Machine Learning Detects Heterogeneous Effects of Medicaid on Depression: Oregon Health Insurance Experiment. **Society for Epidemiologic Research (SER) Annual Meeting (International Conference)**, Portland, OR, United States. June, 2023.

Ryunosuke Goto, Thomas Frodl, Norbert Skokauskas. Armed Conflict and Early Childhood Development in 12 Low- and Middle-Income Countries. **American Academy of Pediatrics (AAP) National Conference and Exhibition (International Conference)**, Philadelphia, PA, United States (virtual). October, 2021.

Ryunosuke Goto, Miyuki Fujio, Natsumi Matsuda, Mayu Fujiwara, Norbert Skokauskas, Yukiko Kano. Effects of comorbid Tourette symptoms on distress by compulsive-like behavior in very young children. **24th World Congress of the International Association for Child and Adolescent Psychiatry and Allied Professions (IACAPAP) (International Conference)**, Singapore. December, 2020.

Ryunosuke Goto, Seif Nasir, Akiko Kitamura, Majed Hababeh, Ghada Ballout, Junko Kiriya, Akihiro Seita, Masamine Jimba. Dissemination and implementation of the e-MCH Handbook, the potential role of m-Health in improving health equity in a refugee setting: A cross-sectional study. **American Public Health Association (APHA) Annual Meeting (International Conference)**, San Diego, CA, United States. November, 2018.

Invited Talks

Ryunosuke Goto, Akihiro Nishi. Social network analysis and network interventions in society, human development, and health research. *Eunice Kennedy Shriver* **National Institute of Child Health and Human Development (NICHD) Social and Behavioral Sciences Branch Seminar Series.** November 10, 2022.

Ryunosuke Goto. What changes can the electronic Maternal and Child Health Handbook bring to health care? An example from Jordan. **4th annual Maternal and Child Health Handbook Forum**, Tokyo, Japan. October 8, 2019.
An overview on the electronic Maternal and Child Health Handbook in Jordan and Palestine refugees

Ryunosuke Goto. Social common capital and health: from a global perspective. **Nikkei SDGs Forum**, Tokyo, Japan. May 9, 2019.
A presentation on the electronic Maternal and Child Health Handbook in Jordan and how it contributed to health equity for Palestine refugees

Qualifications

Pediatric Advanced Life Support (PALS)
07/2023

TOEFL iBT 117/120
02/2023

United States Medical Licensing Examination (USMLE) Step 2 Clinical Skills
11/2018

Research Grants

The Japan Foundation for Pediatric Research, Grant No. 22-001
2,000,000 yen (Approximately $16,000)
2023-2024

Chernobyl-Fukushima Medical Fund
1,000,000 yen (Approximately $8,000)
2022-

Honors and Awards

Knight-Hennessy Scholar
09/2024-
Awarded to top graduate students at Stanford University with exceptional independence of thought, leadership, and civic mindset

Society for Epidemiologic Research Kenneth Rothman Travel Scholarship
06/2023
A scholarship for the 2023 Annual Meeting

Ukrainian Psychiatric Association Dr. Stanislav Kostyuchenko Award
02/2023
Awarded to young researchers, doctors, or clinical psychologists who made significant contributions to psychiatric care in Ukraine

The University of Tokyo Hospital Department of Pediatrics Research Award
11/2022
Awarded to the top researcher in the department

Donald J. Cohen Fellowship Program for International Scholars in Child and Adolescent Mental Health
12/2020
Awarded by the the International Association for Child and Adolescent Psychiatry and Allied Professions (IACAPAP) to emerging leaders in child and adolescent mental health throughout the world

The University of Tokyo Faculty of Medicine Dean's Award
01/2018
Awarded to the top three out of 100+ students in the Class of 2019, based on academic excellence

The University of Tokyo Osamu Otsubo Fellowship
01/2018
A scholarship awarded to top students who aspire to receive medical education abroad

The University of Tokyo Go Global Scholarship
Autumn 2017 and Spring 2018
A scholarship awarded to top students to study abroad

Pigeon Foundation Scholarship for Aspiring Pediatricians, Obstetricians, and Gynecologists
04/2017 – 03/2019
A scholarship awarded to top medical students who aim to become pediatricians, obstetricians, or gynecologists