

# **Curriculum Vitae**

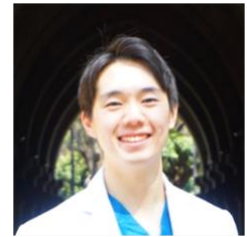
## **Ryunosuke “Ryan” Goto, M.D.**

Chief Resident, Nagano Children’s Hospital

Resident Physician, Department of Pediatrics at the University of Tokyo Hospital

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I am 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. Much of my research has focused on the relationship between the socioeconomic environment and mental health. In particular, I am interested in leveraging causal inference and machine learning tools to advance precision psychiatry. My work has been published in *The Lancet*, *JAMA Pediatrics*, and *Pediatrics*, among other journals.

## **Education**

**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**

**Nagano Children’s Hospital**

*Resident Physician, Pediatrics*

10/2021 –

Served as Chief Resident from 04/2023

**The University of Tokyo Hospital**

*Resident Physician, Pediatrics*

04/2019 –

**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](http://libopac.jica.go.jp/images/report/1000036631_02.pdf)

## **Ongoing and past research**

**Degree visibility in a social network experiment**

*The University of Tokyo; Stanford University; University of California, Los Angeles*

05/2023-

**Social network experiment for prevention of social isolation**

*The University of Tokyo; University of California, Los Angeles*

08/2022-

**Adolescents of Ukraine During the 2022 Russian Invasion (AUDRI) Project**

*The University of Tokyo; Norwegian University of Science and Technology; Taras Shevchenko National University of Kyiv*

07/2022-

*I receive generous funding from the Chernobyl-Fukushima Medical Fund and The Japan Foundation for Pediatric Research for this project.*

**Machine learning detects heterogeneous effects of Medicaid coverage on depression**

*The University of Tokyo; Kyoto University; The University of Chicago; Stanford University; University of California, Los Angeles*

05/2021 - 08/2023

**Heterogeneous effects of antidepressants on suicide**

*The University of Tokyo; Norwegian University of Science and Technology*

03/2021-

**Social determinants of child and adolescent health**

*The University of Tokyo; Kyoto University; National Center for Child Health and Development; University of California, Los Angeles; Norwegian University of Science and Technology*

08/2020 -

**Detection of pragmatic language impairment in individuals with autism spectrum disorder with automated connected speech analysis**

*IBM Research*

02/2019 - 03/2019

**Clinical characteristics of tics and Tourette syndrome in children and adolescents**

*The University of Tokyo*

06/2017 – 01/2022

**Digitization of the maternal and child health handbook**

*The University of Tokyo; United Nations Relief and Works Agency for Palestine Refugees in the Near East (UNRWA)*

04/2017 – 02/2020

**Rehabilitation using transcranial magnetic stimulation (TMS) in stroke patients**

*The University of Tokyo*

04/2016 - 06/2017

**Electrophysiological characterization of the lateral perforant path - CA3 synapse in mouse hippocampus**

*The University of Tokyo*

12/2014 - 06/2016

**Publications**

**Peer-reviewed publications**

**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* (in press).

**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* (in press).

**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 June 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 Seit, 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](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 Seit. 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](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](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. **24<sup>th</sup> 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. **4<sup>th</sup> 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-

**Chernobyl-Fukushima Medical Fund**  
**500,000 yen (Approximately \$4,000)**  
2022-

## **Honors and Awards**

**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

## **U.S. Clinical Experience**

**Neonatal Intensive Care Unit, Boston Children's Hospital (clinical clerkship)**  
05/2018 - 06/2018 (4 weeks)

**Pediatric Critical Care Unit, Children's Hospital of Philadelphia (observership)**  
04/2018 - 05/2018 (4 weeks)

**Pediatric Surgery, Children's Hospital of Philadelphia (clinical clerkship)**  
03/2018 - 04/2018 (4 weeks)

