

2020: YEAR IN REVIEW

A summary of our achievements in this crazy year!



Major Projects and Milestones

REALISE Guidance Published

Since last year, the HIPER team has led the REAL World Data In ASia for Health Technology Assessment in Reimbursement (REALISE) working group, together with Health Intervention and Technology Assessment Program (HITAP), Thailand.

A collaboration between global experts and 11 Asian health systems, the group has developed and published non-binding guidance to provide a framework to generate and use real-world data (RWD) / real-world evidence (RWE) in a consistent and efficient manner for drug reimbursement decision-making in Asia. The document focuses on drug assessments and the use of RWD/RWE as complementary evidence to randomized controlled trials (RCTs), the current gold standard for generating evidence on treatment efficacy.

The project was supported by the International Decision Support Initiative (iDSI) and the Bill and Melinda Gates Foundation.

Virtual RODEO Workshop Held

We conceptualised and held a Stakeholders Engagement Workshop to Develop a Core Real World Dataset for Economic Evaluations of Oncology Therapies (RODEO) on 29 and 30 September 2020. This event was attended by clinicians, researchers, IT professionals, industry and social service agency representatives.

The goal of RODEO is to prospectively curate a set of data variables that will be needed in cost-effectiveness analysis of oncology treatments so that policy decision making such as drug subsidies can be informed by good quality data and conducted in a timely manner.

The RODEO team is currently in discussion with various partners and stakeholders to find the most synergistic, coordinated way of collaboration that can remove the current barriers of data sharing in research in Singapore.

Dear Team,

*Thank
you!*

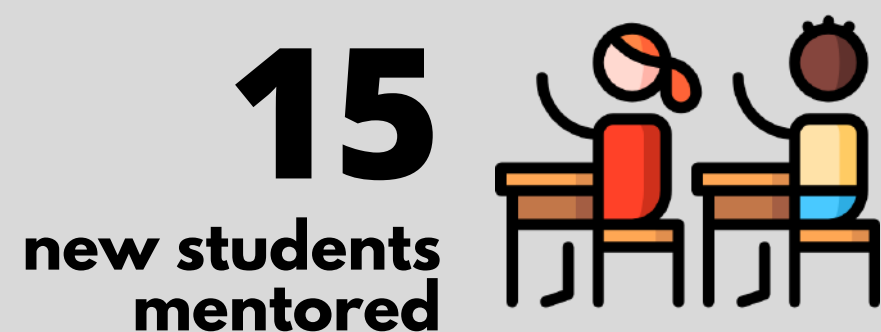
it has been a **GREAT** year because of you. I know how everyone is saying what a terrible, unpredictable, tumultuous (and the list of negative adjectives goes on) year 2020 had been but you made **ALL** the **DIFFERENCE**.



Our Year in Numbers



15
team
members



15
new students
mentored



20
papers
published

28
active
projects



14
other projects
under
discussion

COVID-19 Related Publications / Grants

- Measuring the Outreach Efforts of Public Health Authorities and the Public Response on Facebook During the COVID-19 Pandemic in Early 2020: Cross-Country Comparison. *J Med Internet Res.* 2020 May 19;22(5):e19334.
- Impact of the COVID-19 Pandemic on Door-to-Balloon Time for Primary Percutaneous Coronary Intervention – Results From the Singapore Western STEMI Network. *Circ J.* 2020 Nov 7.
- Use of Health Belief Model-Based Deep Learning Classifiers for COVID-19 Social Media Content to Examine Public Perceptions of Physical Distancing: Model Development and Case Study. *JMIR Public Health Surveill.* 2020 Jul 14;6(3):e20493.
- PI: Unintended Healthcare Consequences of Disease Outbreak Response Measures: The Case of Coronavirus Infectious Disease 2019 (COVID-19)
- Co-I: Mathematical modelling for assessment and optimal deployment of COVID-19 vaccination in Singapore, led by Dr Hannah Clapham
- Co-I: COVID-19 Virtual Disease health System Outbreak model for Singapore (CoViD-SOS), led by Prof Marcus Ong
- Advisor: WHO SEARO DCE on Contact Tracing equity
- Co-author: A vaccine is on the horizon. But most Singaporeans are adopting a wait-and-see attitude, *CNA Commentary*

Other Workshops, Panels & Presentations

- Served as a mentor for the Beyond! Health Hack Virtual Hackathon, held on 7 and 8 August
- Conceptualised and led the launch of Health Technology Assessment (HTA) specialisation in the Master of Public Health programme in Aug 2020; currently serving as Head of Specialisation
- Organized and taught at ISPOR Singapore Chapter Health Technology Assessment Workshop – Oncology Focus, 24 to 27 August 2020
- Panelist at Virtual ISPOR Asia Pacific, 14 to 16 September 2020
- Conducted ISPOR Health Technology Assessment for Rare Diseases (Virtual Short Course) together with Mr Hansoo Kim, 26 Oct 2020
- Panelist at Virtual ISPOR Europe, 16 to 19 Nov 2020
- Presented at HTAi Asia Pacific Forum, 19 Nov 2020
- Organized and taught at Cost-effectiveness in Cancer Screening Workshop, 23 to 26 Nov 2020

NEW MEMBERS TO OUR TEAM

This year, I am also excited to welcome seven new talents to our team. With this infusion of new blood, we now have a total of 15 members, with 6 under CHSPR, 6 under HIPER and 3 individual research staff. Please welcome these new members and I look forward to continue working with all of you in the coming year.



PEARLYN

Research Associate



MICHIKO

Research Associate



YARA

Research Associate



BRANDON CHUA

PhD Student



BRANDON CHONG

Research Assistant



SOON GUAN

Research Assistant



JAMAICA

Research Assistant