

## MEDIA RELEASE

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For Immediate Publication

### **NUHS Launches Bot MD's A.I. Clinical Assistant for Instant Access to COVID-19 Information**

*The AI bot is used to streamline and provide information instantly including new protocols and directives for COVID-19 to frontline healthcare workers*

SINGAPORE — The National University Health System (NUHS) and Bot MD announced today that they are partnering to launch the NUHS-Bot MD A.I. clinical assistant app for frontline medical staff to instantly search hospital specific information including COVID-19 guidelines and operational directives. Over 500 healthcare professionals, including doctors, nurses, pharmacists and medical social workers from NUHS have benefited from the first-phase roll-out, with plans to expand access to more than 3,000 staff across the NUHS healthcare cluster.

Healthcare workers today are facing more pressure than ever following the COVID-19 outbreak in late 2019. They are currently on the frontlines battling the COVID-19 disease while also concurrently managing health issues in the local communities. With limited time and resources, they are expected to be equipped with all the information needed to react swiftly and treat patients.

“Healthcare has become more complex and clinicians need timely information that is easily accessible. Using a familiar messaging format, the NUHS-Bot MD A.I. assistant aims to put the power of information instantly at the fingertips of each and every clinical professional,” said NUHS Group Chief Technology Officer, Associate Professor Ngiam Kee Yuan.

The NUHS-Bot MD A.I. assistant is a chatbot that instantly answers questions from hospital staff about hospital protocols, COVID-19 operational directives, drug dosage information, drug formulary, and even on-call rosters. It also allows hospital staff to record their temperatures by integrating the daily temperature reporting form within the Bot interface.

“Bot MD’s mission is to empower doctors and nurses around the world. Given the current COVID-19 crisis, we are especially honored to have the opportunity to help NUHS frontline medical staff get instant access to the clinical information they need, so they can focus on helping the patients they care for,” said Ms. Dorothea Koh, CEO & Co-Founder of Bot MD.

The NUHS-Bot MD A.I. assistant is accessible on any smartphone device and serves as a 24/7 virtual assistant that benefits hospital clinical staff, allowing them to access healthcare information anytime and anywhere, even when they are off duty. The smartphone app also allows hospitals to build custom clinical tools based on their own guidelines and protocols.

One of the custom tools within the NUHS-Bot MD platform developed by the National University Cancer Institute, Singapore (NCIS) clinicians is a chemotherapy cost calculator that instantly calculates treatment costs based on the National University Hospital (NUH) dosing regimens and drug prices. This tool serves as a useful financial counseling aid for NCIS clinicians and frontline medical social workers to help their new cancer patients determine appropriate treatment options.

“The NUHS-Bot MD’s biggest value for me as a busy clinician is that it helps me get the clinical information I need, whenever and wherever I need it. Whether I am looking for clinical workflows, call roster information or even counseling a patient on the cost of their chemotherapy regimen — I am able to search for and obtain all this information instantly on the NUHS-Bot MD app,” commented Dr Jen Wei Ying, Associate Consultant at the Department of Haematology-Oncology at NCIS who uses the app.

The NUHS-Bot MD A.I. assistant will be rolled out in phases across NUHS campuses, starting with NUH. The app was piloted in December 2019 has since benefitted over 500 doctors and clinical staff within NUH.

NUHS plans to roll out the NUHS-Bot MD Chatbot to the other entities within the healthcare cluster including Ng Teng Fong General Hospital, Alexandra Hospital as well as the National University Polyclinics by the end of 2020.

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### Chinese Glossary

Bot MD A.I. Clinical Assistant	博医智能临床助手
National University Health System	国立大学医学组织
National University Hospital	国立大学医院
National University Cancer Institute, Singapore	国立大学癌症中心
Associate Professor Ngiam Kee Yuan	严居渊副教授
Group Chief Technology Officer	集团首席技术官
Ms Dorothea Koh	许丽奉
CEO and Co-Founder	首席执行官兼联合创始人
Dr Jen Wei Ying	任玮瑛医生
Department of Haematology-Oncology	肿瘤血液科
Chemotherapy cost calculator	肿瘤治疗费用计算器



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## **About the National University Health System (NUHS)**

The National University Health System (NUHS) aims to transform how illness is prevented and managed by discovering causes of disease, development of more effective treatments through collaborative multidisciplinary research and clinical trials, and creation of better technologies and care delivery systems in partnership with others who share the same values and vision.

Institutions in the NUHS Group include the National University Hospital, Ng Teng Fong General Hospital, Jurong Community Hospital and Alexandra Hospital; three National Specialty Centres - National University Cancer Institute, Singapore (NCIS), National University Heart Centre, Singapore (NUHCS) and National University Centre for Oral Health, Singapore (NUCOHS); the National University Polyclinics (NUP); Jurong Medical Centre; and three NUS health sciences schools – NUS Yong Loo Lin School of Medicine (including the Alice Lee Centre for Nursing Studies), NUS Faculty of Dentistry and NUS Saw Swee Hock School of Public Health.

With member institutions under a common governance structure, NUHS creates synergies for the advancement of health by integrating patient care, health science education and biomedical research.

As a Regional Health System, NUHS works closely with health and social care partners across Singapore to develop and implement programmes that contribute to a healthy and engaged population in the Western part of Singapore.

For more information, please visit <http://www.nuhs.edu.sg>.

## **About Bot MD**

Bot MD is an A.I. clinical assistant for Doctors. The A.I. can be trained on hospital specific content to empower frontline medical workers with instant answers to their clinical questions. The platform allows hospitals and healthcare organisations to quickly integrate their content for instant search with zero development time. Bot MD's proprietary Natural Language Processing technology has been used by over 10,000 doctors globally. Partners include the National University Health System, National Cancer Institute Singapore, Tan Tock Seng Hospital, National Kidney Transplant Institute, MediLink Network and other leading hospital and medical associations around the world.