

THE 8TH UNIMAS PUBLIC HEALTH SEMINAR 2022

23 & 24
FEB

Realigning Healthcare in Malaysia
After COVID-19 Pandemic



THREAD 1: DIGITAL HEALTH
& HEALTH SYSTEM

THREAD 2: CAPACITY BUILDING
& CONTENT EXPERT

THREAD 3: LEADERSHIP
& STEWARDSHIP

THREAD 4: ENABLERS
& FIELD EXPERIENCE

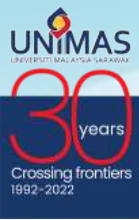
Organized by :
Cohort 10 DrPH Candidates
Department of Community Medicine and Public Health
Faculty of Medicine and Health Sciences
University Malaysia Sarawak (UNIMAS)

Day 1 - 8th UNIMAS Public Health Seminar 2022 (23 February 2022)

Time	Activity
0830	Housekeeping Address
0845 - 0900	Negaraku Doa recitation Welcoming speech by chairperson Opening speech by Head of Department
0900 - 0930	Keynote speech by YB Khairy Jamaluddin Abu Bakar Minister of Health, Malaysia Realigning Healthcare in Malaysia After COVID-19 Pandemic
0930 - 1030	E-poster presentation (recorded)
1030 - 1100	Thread 2: Capacity Building & Content Expert Dr Nik Jasmin binti Nik Mahir Director of Public Health Development Division, MOH Topic: Public Health specialty capacity building within MOH
1100 - 1200	Thread 1: Digital Health & Health System Datuk Dr Norhayati Rusli Director of Diseases Control, MOH Topic: Virtual non-contact health strategies: Way forward Q&A session
1200 - 1300	Thread 1: Digital Health & Health System Dr Khor Swee Kheng Senior Visiting Fellow (UNU-IIGH) Topic: From national to regional and global health system Q&A session
1300 - 1400	Lunch E-poster
1400 - 1500	Thread 2: Capacity Building & Content Expert Prof Datuk Dr Lokman Hakim Bin Sulaiman Professor of Public Health & Pro Vice Chancellor (Research), IMU Topic: Future ready health workforce: Public Health capacity building Q&A session
1500 - 1600	Thread 1: Digital Health & Health System ASSOC PROF DR ZAFAR AHMED Health Economics & Financing, UNIMAS Topic: Efficient and effective healthcare: Build back better Q&A session
1600 - 1700	Concluding remarks

Day 2 - 8th UNIMAS Public Health Seminar 2022 (24 February 2022)

Time	Activity
0830 - 0900	Housekeeping Address
0900 - 1000	Thread 3: Leadership & Stewardship Prof Tan Sri Dr Jemilah Mahmood Pro-Chancellor, Heriot-Watt University Malaysia (HWUM) Topic: Leadership and partnership towards healthcare post COVID-19 pandemic Q&A session
1000 - 1100	Thread 3: Leadership & Stewardship Datuk Dr Kuljit Singh President of Association of Private Hospitals, Malaysia (APHM) Topic: Towards a better integration of public and private healthcare post COVID-19 pandemic Q&A session
1100 - 1200	Thread 4: Enablers & Field Experience Dr Maurice Steve Utap & Dr Ashwin Sumon Dey Klinik Kesihatan Tudan, Miri Sarawak Topic: Virtual Clinic In Klinik Kesihatan Tudan: Field Experience Q&A session
1200 - 1300	E-poster presentation (recorded)
1300 - 1400	Lunch E-poster
1400 - 1500	Thread 4: Enablers & Field Experience Toman Mamora Communication & Research Consultant Topic: The role of the Fourth Estate in healthcare of the future Q&A session
1500 - 1600	Thread 4: Enablers & Field Experience Mrs Zakinah Tuah Head of TM One Sarawak, Telekom Malaysia Berhad Topic: Leaving no one behind means leaving no one offline Q&A session
1600 - 1700	Announce winner for e-poster competition Closing ceremonies Closing remarks



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REALIGNING HEALTHCARE IN MALAYSIA AFTER COVID-19 PANDEMIC



e-posters



COMBATING COVID-19: OUR MANAGEMENT AT THE CAMPUS LEVEL



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INTRODUCTION

In Malaysia, Covid-19 has caused severe morbidity and mortality¹. Most people have been affected, including the university community. The spread of the virus has put the campus in peril. Covid-19 Kulliyah (Faculty) Task Force was established to deal with Covid-19 issues at our level². After the establishment of the task force, we faced difficulties in managing the students manually, especially in terms of contact tracing.

OBJECTIVES

We illustrate our challenges in containing clusters within medical students living in hostels and how we improvised our system.

MATERIAL & METHOD

- In the initial phase of the pandemic, we formed a Covid-19 task force team to cater for undergraduate medical students. It consists of specialists from various departments.
- In July 2021, we had a cluster of third-year medical student which resulted in 8 Covid-19 positive cases. Teaching & learning was halted for a week to contain the threat. We didn't have a proper contact-tracing mechanism in place at the time. Students who have been impacted will self-identify. Following that, the task force team will call each of them individually to properly stratify their risks. As the situation worsened, we coordinated with the campus operating office to have some hostels placed on lockdown to minimise infection transmission and approximately 300 students were screened via PCR swab test.
- As the process was time-consuming and we lacked of manpower, we altered our strategy by creating an online tool using Google® Forms & Google® Sheets to track down the close contacts of positive case indexes (Figures 1&2). The online tool was a two-step colour-coded form (Figures 3&4).

Figure 1: Step 1: Contact tracing form

Figure 3: Risk versus mitigation matrix

Figure 2: Step 2: Risk assessment of close contacts

Figure 4: Colour codes and the respective plans

- All contacts were risk stratified into five different colours codes (green, yellow, orange, red and dark red) based on their risk versus mitigation matrix score (Figure 3).
- Based on the colour codes, the plan for each contacts was automatically generated and further executed (the plan will change from time to time, in adherence to the guideline by Ministry of Health, Figure 4).

RESULTS AND DISCUSSION

- Our country has recently been severely impacted by the *Delta* & *Omicron* variants, which had made the process significantly more difficult & cumbersome. Cases have been sporadic on campus, with the number of cases increasing day by day. Using the current system, we approached the impacted clusters.
- As a result, we can locate close contacts quicker, saving time for the task force members. Furthermore, we discovered that implementing TRIIS²(Trace, Report, Isolate, Inform, and Seek) into our system made it more cost-effective, as only the Covid-19 swab (RTK or PCR) test was required of the relevant cases.

CONCLUSION AND RECOMMENDATION

The new system is considered as a pioneer effort at the campus level where student live in hostels and should be expanded to the other institutional, for effective cluster management.

ACKNOWLEDGEMENTS

IIUM Kuantan COVID-19 Operation room, IIUM Kulliyah Task Force, Kuantan District Health office.

REFERENCES

- ¹Sim, B. L. H., Chidambaram, S. K., Wong, X. C., Pathmanathan, M. D., Peariasamy, K. M., Hor, C. P., ... & Goh, P. P. (2020). Clinical characteristics and risk factors for severe COVID-19 infections in Malaysia: A nationwide observational study. *The Lancet Regional Health-Western Pacific*, 4, 100055
- ²National COVID-19 Testing Strategy, Ministry of health Malaysia
- ³IIUM Kuantan campus COVID-19 guidelines





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