

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

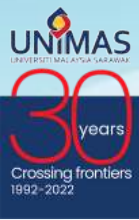
Organized by :
Cohort 10 DrPH Candidates
Department of Community Medicine and Public Health
Faculty of Medicine and Health Sciences
University Malaysia Sarawak (UNIMAS)

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



THE 8TH UNIMAS PUBLIC HEALTH SEMINAR 2022

REALIGNING HEALTHCARE IN MALAYSIA AFTER COVID-19 PANDEMIC



e-posters



DEVELOPMENT OF THEORY-BASED VIRTUAL HIV HEALTH EDUCATION TOOL POST COVID-19 PANDEMIC

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Introduction

- The coronavirus disease 2019 (COVID-19) has spread rapidly with significant impact of severe acute respiratory syndrome worldwide
- Disruption of facility-based HIV health education facing the forefront of strict social distancing measure tremendously reduce the efficiency to engage with the key population
- Concurrent pervasive social discrimination experienced by transgender in Malaysia with Muslim majority community further reduce their participation in facility-based HIV health education
- High vulnerability to sexually transmitted HIV infection through unsafe sexual practise required specific tailored HIV health education tool targeted on transgender
- The recent paradigm shift of advanced digital communication in this pandemic era become a panacea to create distance HIV health education for transgender
- This platform ubiquitously aligned with natural use of virtual social networking among TG to reach their marginalized community

Objective

- To develop theory-based virtual HIV health education tools for transgender to increase HIV knowledge and reduce stigma for HIV disease

Methodology

- Three main components from the holistic e-learning theoretical framework has been used to align important elements in this online HIV health education tools (Figure 1)¹
- There were six panelists involved in this study which are public health specialist, family health specialist, health education officer and transgender outreach workers
- Structured group discussion using Modified Delphi Technique was used to gather collective agreement from the panelists²
- The content of this educational tool was based on Health Belief Model
- Theory to guideline positive psychological and behavioural changes³
- Integration of website and social networking application were used as technological platform to deliver HIV health education
- The content and face validity of this tool was quantitatively measured by using a validated questionnaire which rated by panelists^{4,5}

Result

Content validity index rated by six panelists

Item	E ¹	E ²	E ³	E ⁴	E ⁵	E ⁶	Expert in agreement	I-CV ¹
Perceived susceptibility	1	1	1	1	1	1	6	1.0
Perceived severity	1	1	1	1	1	1	6	1.0
Perceived benefit	1	1	1	1	1	1	6	1.0
Perceived barrier	1	1	1	1	1	1	6	1.0
Cues to action	1	1	1	1	1	1	6	1.0
Self-efficacy	1	1	1	1	1	1	6	1.0
							SS-CVI/Ave	1.0

E¹ : Expert

¹I-CVI : Item-level Content Validity Index

⁵SS-CVI/Ave : Scale-level Content Validity Index, Averaging Method

Face validity index rated by ten transgender representative

Item	E ¹	E ²	E ³	E ⁴	E ⁵	E ⁶	E ⁷	E ⁸	E ⁹	E ¹⁰	Expert in agreement	I-FV ¹
Perceived susceptibility	1	1	1	1	1	1	1	1	1	1	10	1.0
Perceived severity	1	1	1	1	1	1	1	1	1	1	10	1.0
Perceived benefit	1	1	1	1	1	1	1	1	1	1	10	1.0
Perceived barrier	1	1	1	1	1	1	1	1	1	1	10	1.0
Cues to action	1	1	1	1	1	1	1	1	1	1	10	1.0
Self-efficacy	1	1	1	1	1	1	1	1	1	1	10	1.0
											SS-FVI/Ave	1.0

E¹ : Transgender representative

¹I-FVI : Item-level Face Validity Index

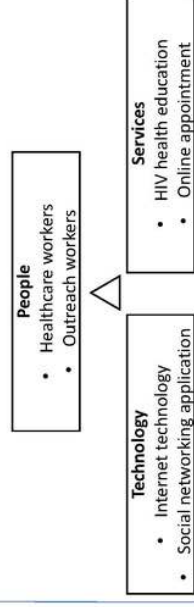
⁵SS-FVI/Ave : Scale-level Face Validity Index, Averaging Method

Acknowledgement

- This study was funded by Postgraduate Development Incentive Fund, School of Medical Sciences, Universiti Sains Malaysia

Methodology

Figure 1 : Holistic e-learning theoretical framework



Discussion and Recommendation

- Virtual HIV health education has been recognized as comprehensive structural tools in adjunct with facility-based healthcare services
- This platform able to deliver multidimensional formats of HIV information via infographics and video for better understanding of the disease
- Virtual group discussion incorporated with social networking application conveniently encouraged adherence to health promotion and reduce structural barrier
- For conclusion, this validated virtual HIV health education tools provide a promising strategy for future health information delivery for transgender
- Experimental study to measure the usability and effectiveness of this tools in increasing HIV knowledge and reducing stigma for HIV disease warrant a recommendation before widely practise in the community¹²

References

1. Aparicio, M., Bascos, F., & Oliveira, T. (2016). An e-Learning Theoretical Framework for HIV Health Education: Application of the Health Belief Model (HBM) in HIV Prevention: A Literature Review. *Science Publishing Group*, 4(1), 1-8. <https://doi.org/10.11648/j.scipub.2016040111>
2. Niederberger, M., & Spranger, J. (2020). Delphi Technique in Health Sciences: A Map. *Frontiers in Public Health*, 8(September), 1-10. <https://doi.org/10.3389/fpubh.2020.00452>
3. Tarang, E. E., & Zoor, F. B. (2015). Application of the Health Belief Model (HBM) in HIV Prevention: A Literature Review. *Science Publishing Group*, 4(1), 1-8. <https://doi.org/10.11648/j.scipub.2015040111>
4. Yusoff, M. S. B. (2019). ABC of Content Validation and Content Validity Index Calculation. *Education in Medicine Journal*, 12(2), 49-54. <https://doi.org/10.21315/emj.2019.11.2>
5. Yusoff, M. S. B. (2019). ABC of Response Process Validation and Face Validity Index Calculation. *Education in Medicine Journal*, 12(3), 55-61. <https://doi.org/10.21315/emj.2019.11.3.6>



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