



Authors:

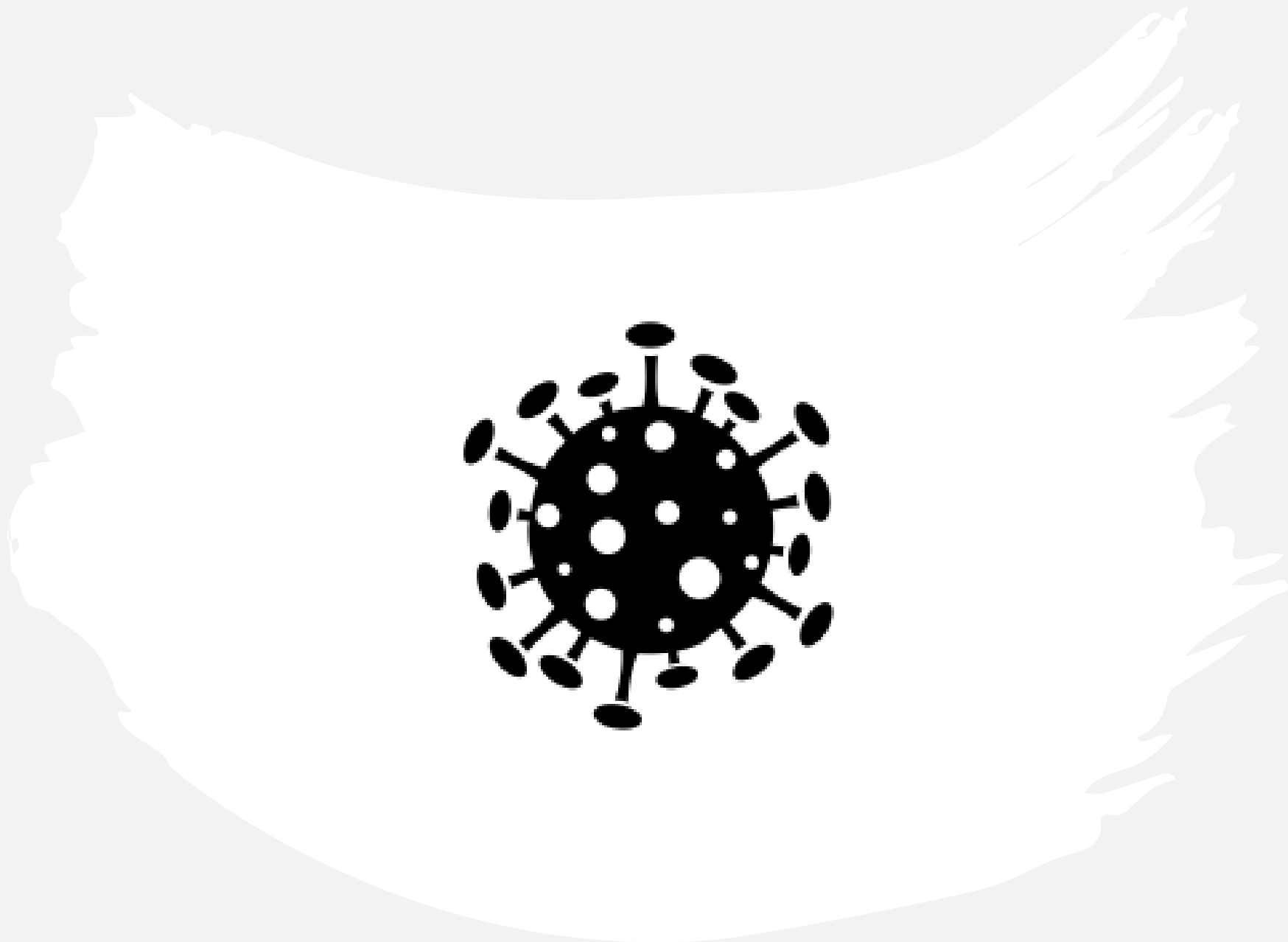
Joshua S. Lee, Ang A.S., Teh Y.K., Daniel Z.Tay, Tan H.M.,  
Yap Y.Y., Shermaine Lim, Pok Y.C. Lisa, Noor Arinah B.A.,  
Mohammad Hadi B.M.H., Yeo P.S., Huang W.H., Ng W.K.

## **Pandemic Putting Training Programmes Through Their Paces:**

*A Novel Model to Prepare Trainees for the MRCP (UK) PACES Examination*

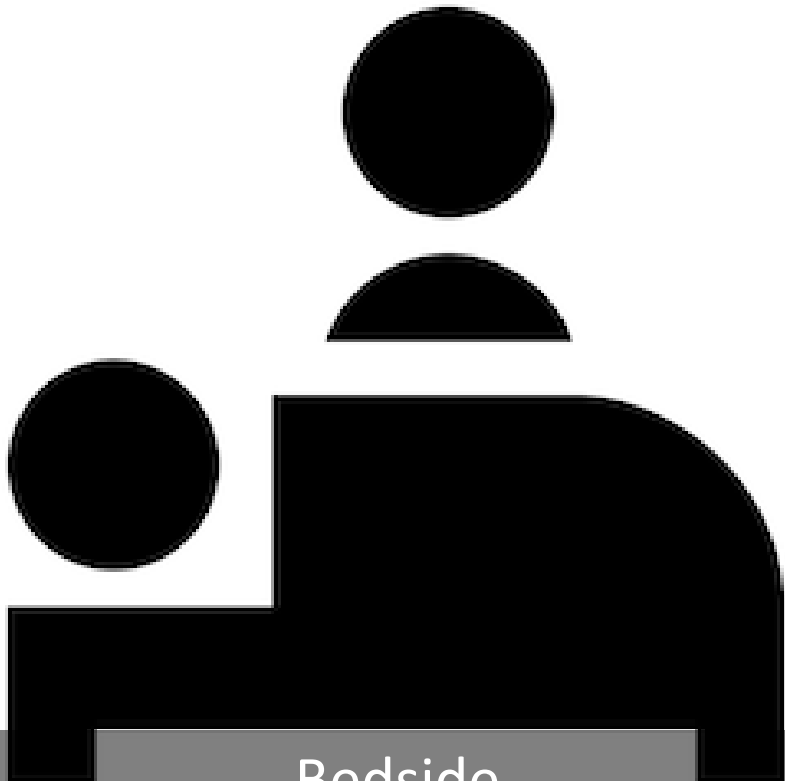
Presenter & Masterchef: Dr Joshua S. Lee



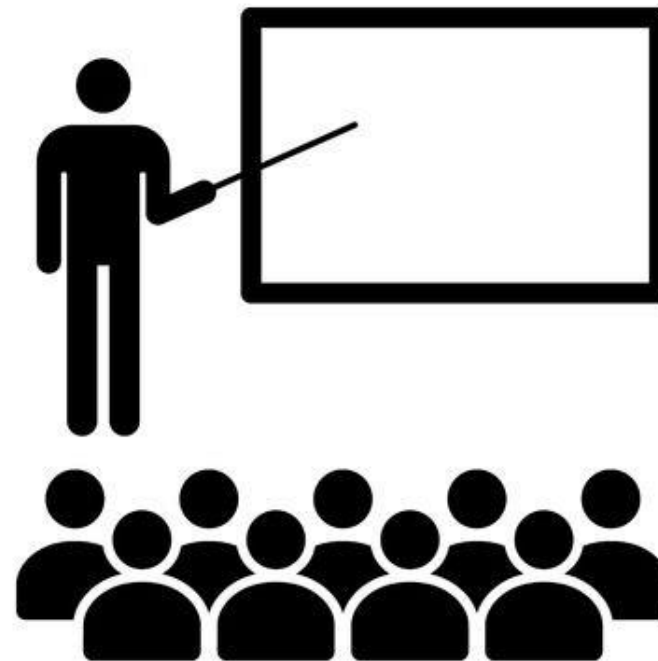


# Traditional Training Model

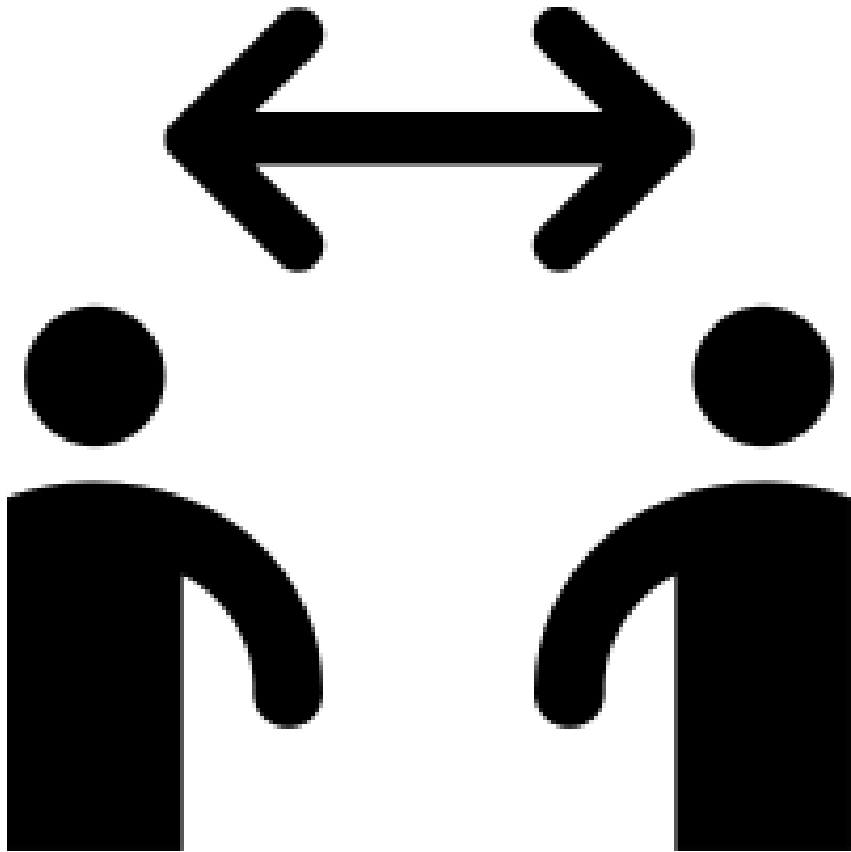
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Bedside



Centralised Teaching

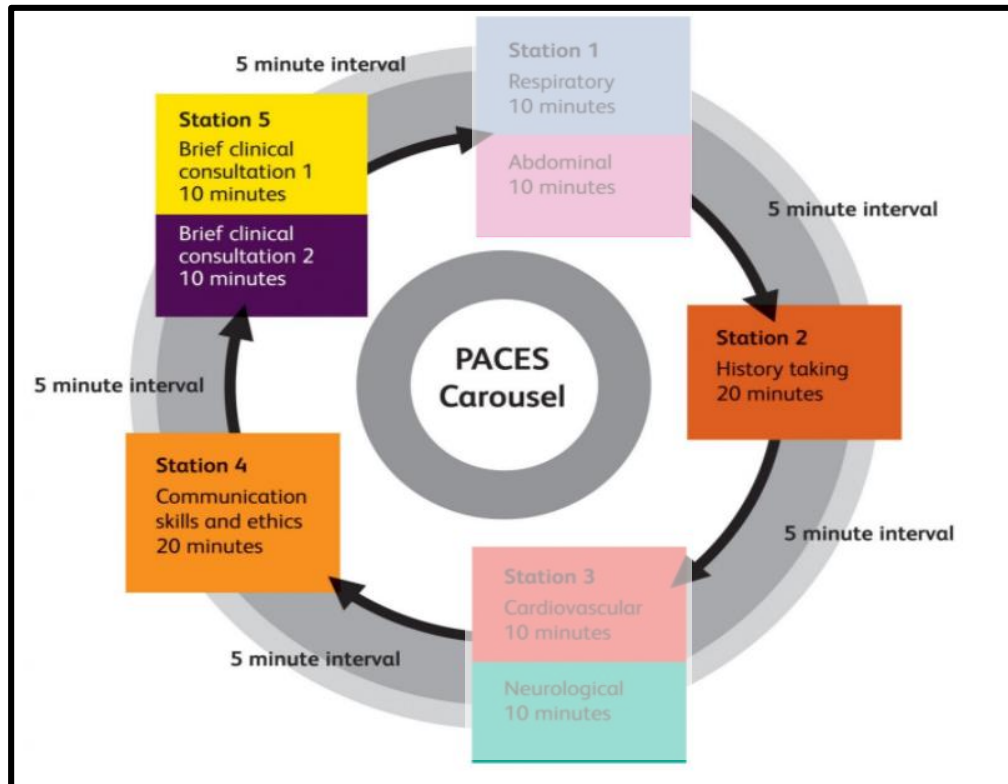


## Challenges Faced

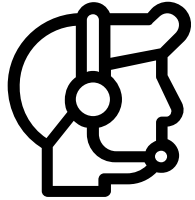
- unable to congregate in large groups for centralized teaching or simulation training
- patients had to limit unnecessary exposure to multiple healthcare staff.



# Centralised Online High-Fidelity Simulation Training

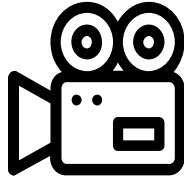


- For the history taking, communication and brief clinical consult stations of the PACES exam
- Onsite video recording of the following persons (1) Candidate (2) Simulated Patient (3) Examiner (4) Coordinating Faculty
- Live Streaming using a web based programme
- Opportunity for Question and Answer
- Recording for subsequent review and asynchronous online learning



Tech Support

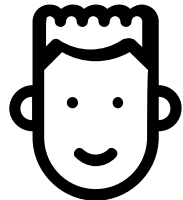
Camera



Tutor



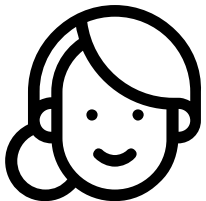
Timer



Simulated Patient



Microphones



Candidate



Laptop

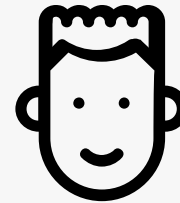
- (1) The equipment that we needed
- (2) The personnel that was required
- (3) Creation of content that was meaningful and engaging
- (4) Transition to a new platform



# Personnel



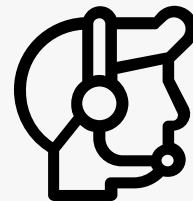
Tutor: Sets the objectives for the lesson



Simulated Patient: Senior Doctor/Nurse



Candidate



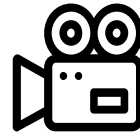
Technical Support

# Equipment Needed

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Timer



Camera

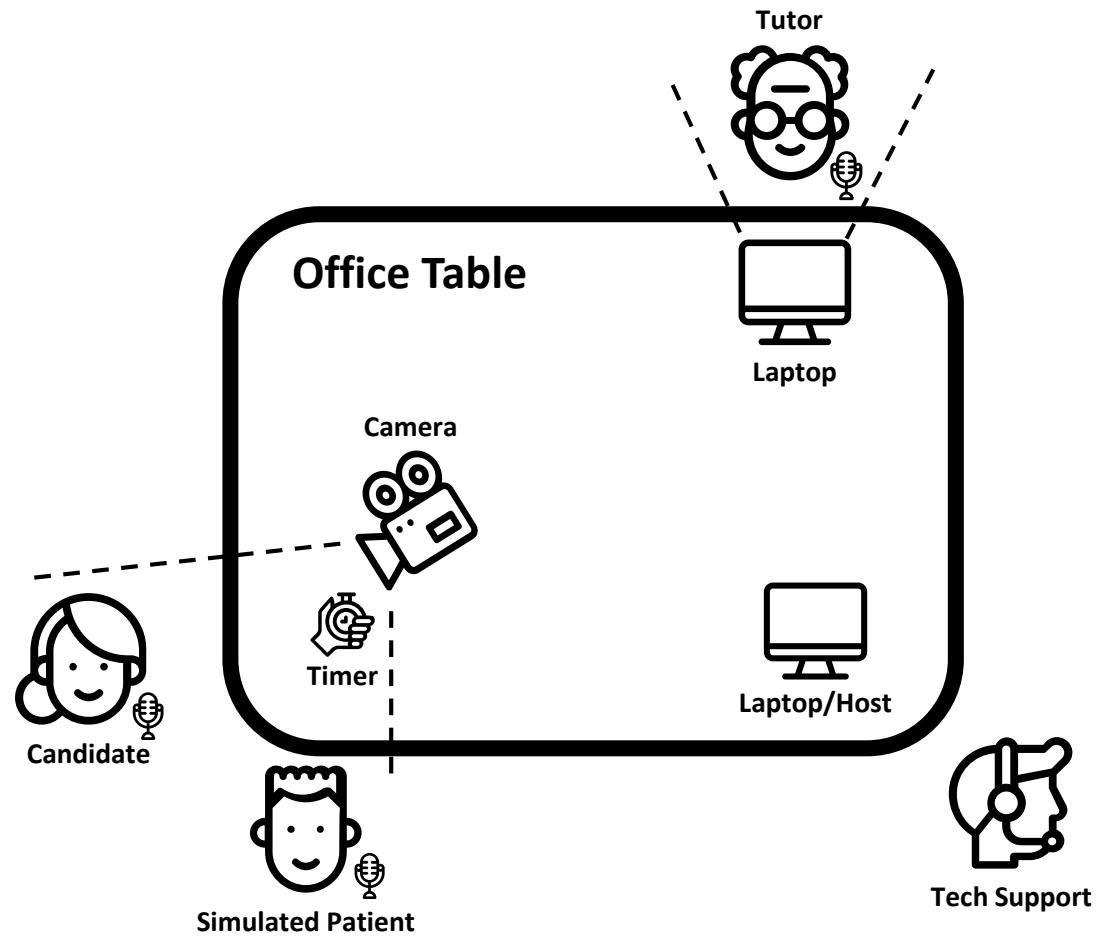


Microphones





# Layout





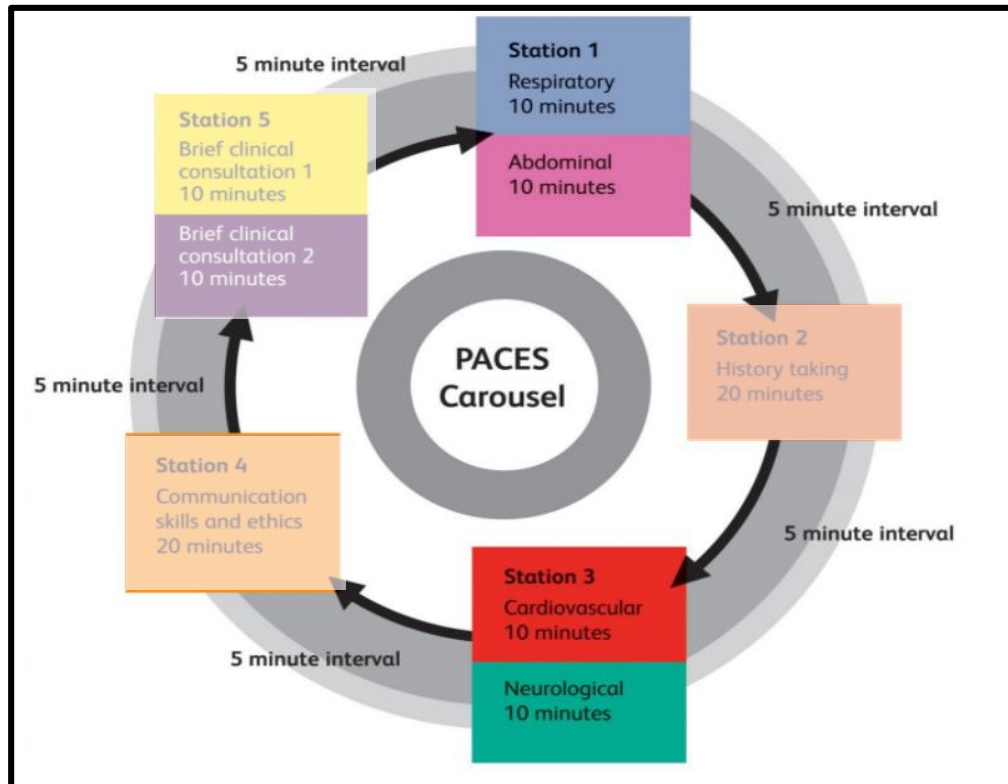
# Layout



# Audience Views



# Decentralized Training Using the LEAP mobile application



Ministry of Health Restriction:

- a group of no more than 4 persons
- 30 minutes
- Strict contact tracing measures
- cannot be examined by another within the same day.

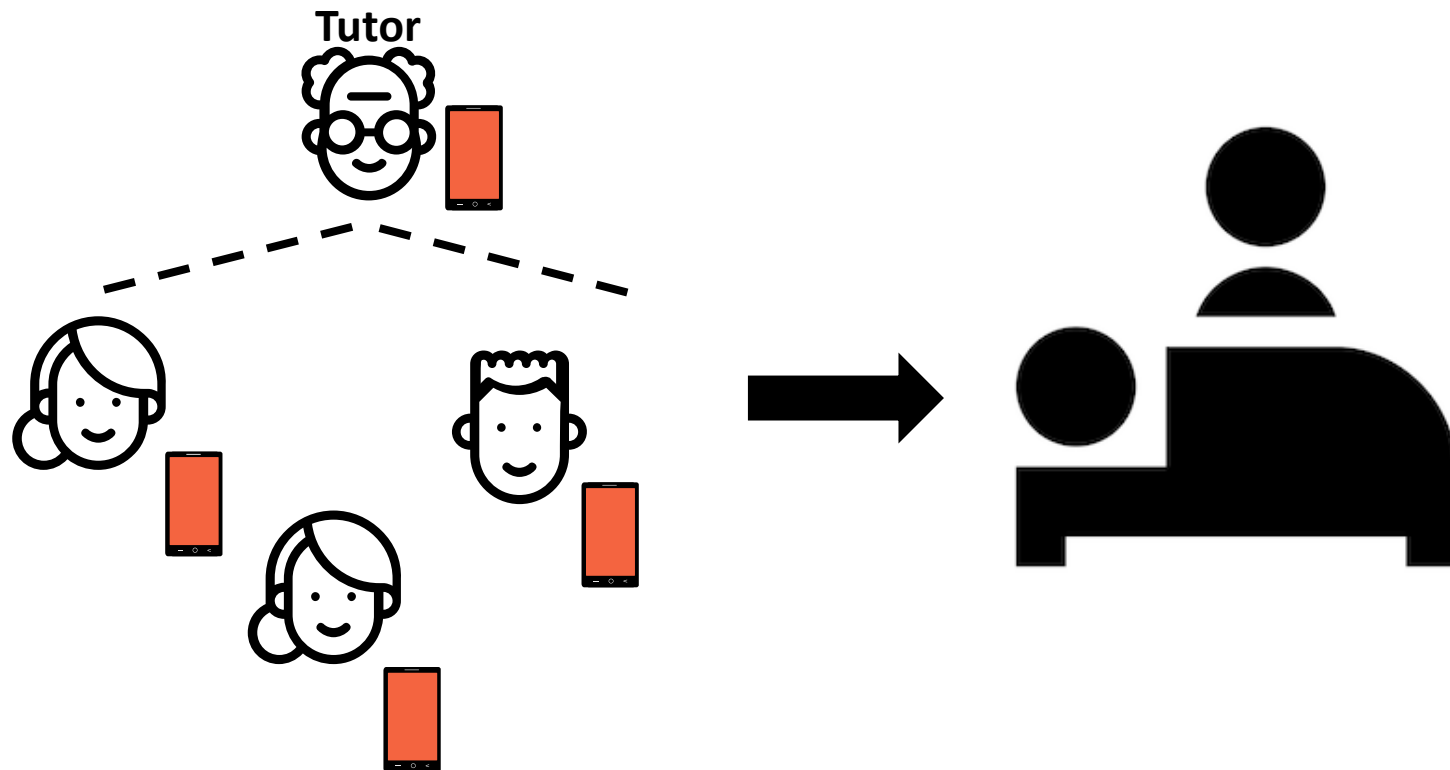
A proprietary phone application created by the National Healthcare Group

Used to log relevant information of the patient

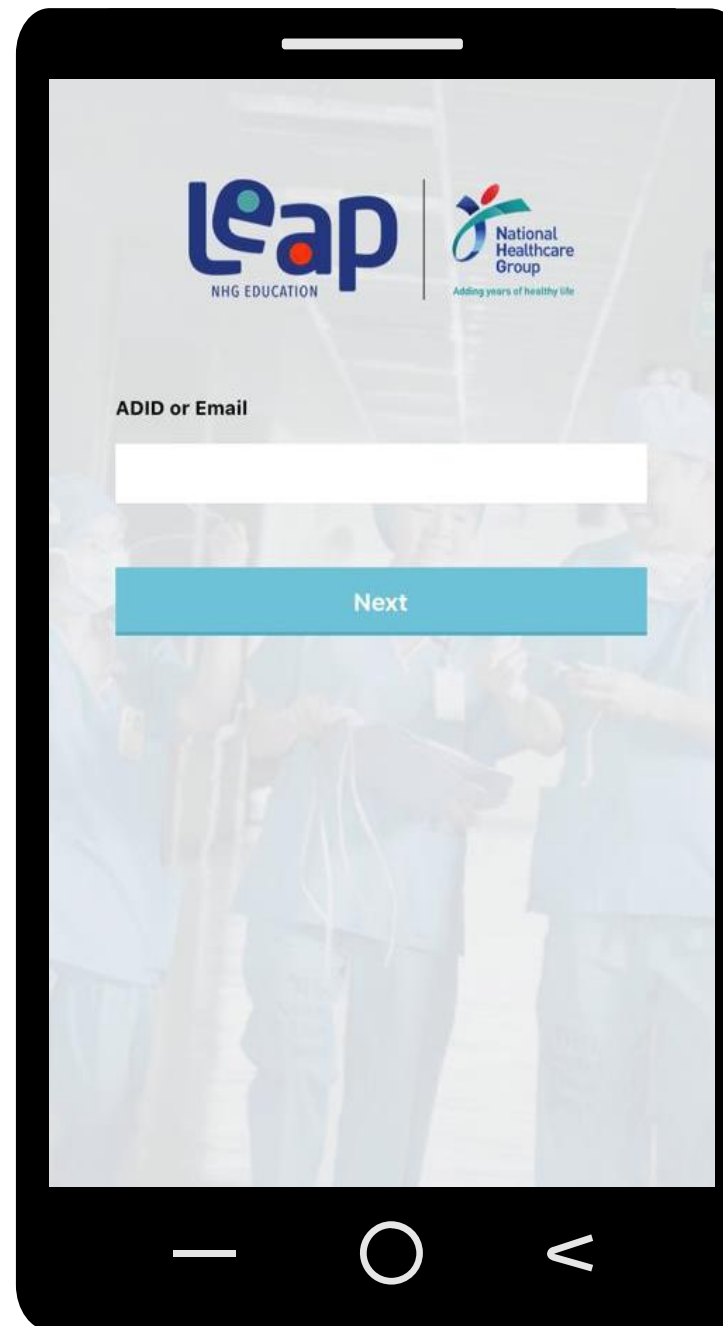


# Small Group Tutorials

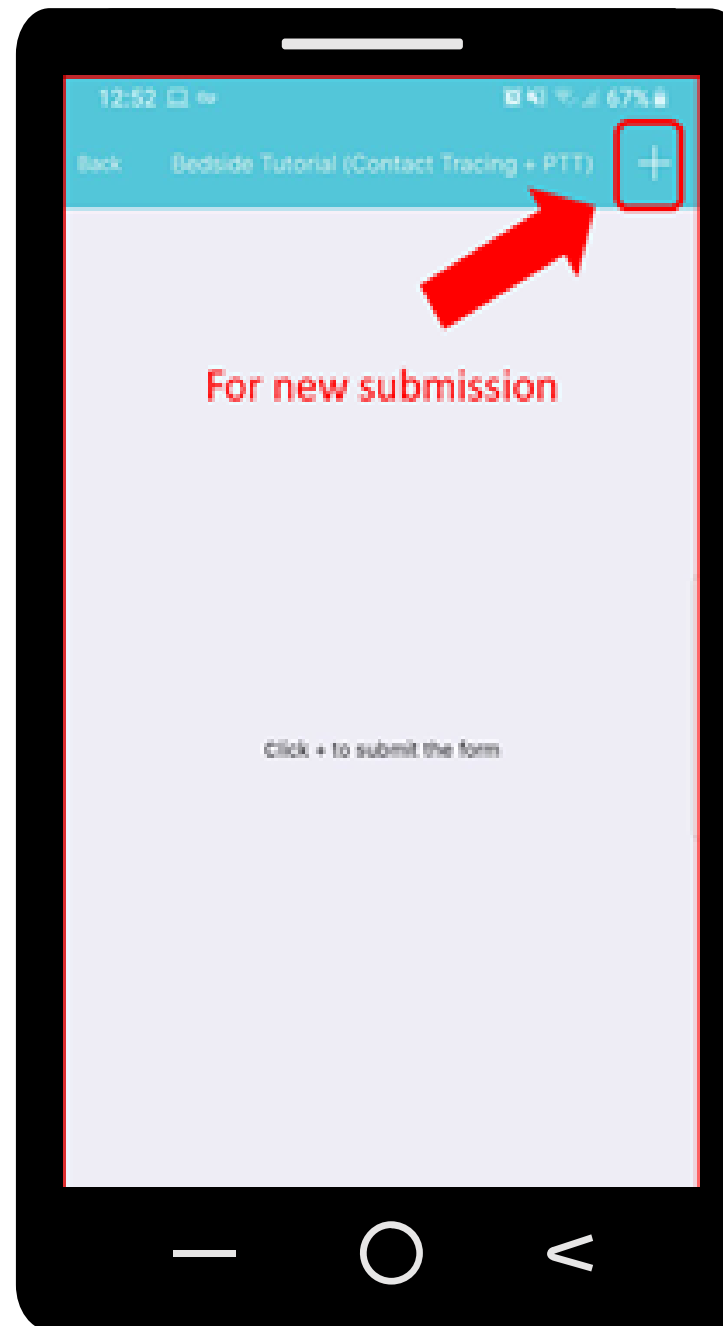
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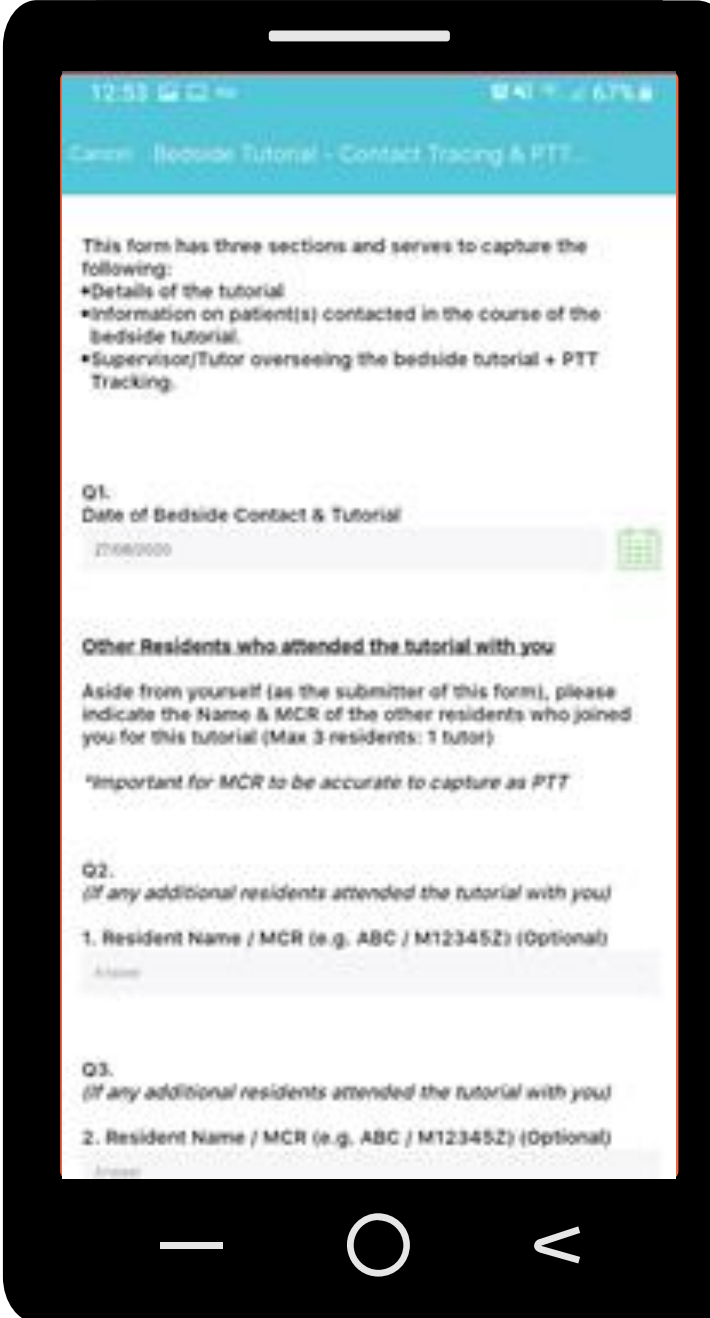
# LEAP Interface



# LEAP Interface



# LEAP Interface



12:53 67%

Cancel | Bedside Tutorial - Contact Tracing & PTT...

This form has three sections and serves to capture the following:

- Details of the tutorial
- Information on patient(s) contacted in the course of the bedside tutorial.
- Supervisor/Tutor overseeing the bedside tutorial + PTT Tracking.

Q1.  
Date of Bedside Contact & Tutorial

27/08/2020

Other Residents who attended the tutorial with you

Aside from yourself (as the submitter of this form), please indicate the Name & MCR of the other residents who joined you for this tutorial (Max 3 residents; 1 tutor)

*\*Important for MCR to be accurate to capture as PTT*

Q2.  
*(If any additional residents attended the tutorial with you)*

1. Resident Name / MCR (e.g. ABC / M12345Z) (Optional)

Answer

Q3.  
*(If any additional residents attended the tutorial with you)*

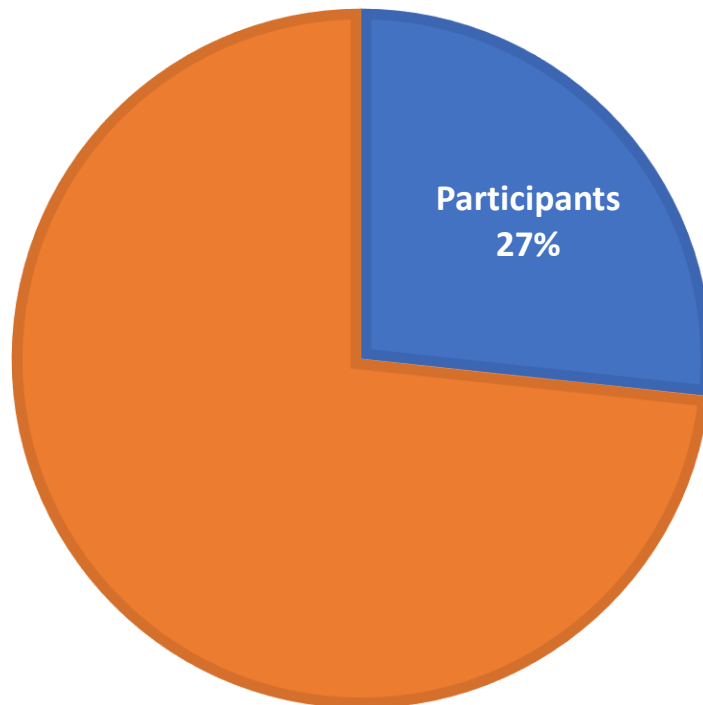
2. Resident Name / MCR (e.g. ABC / M12345Z) (Optional)

Answer

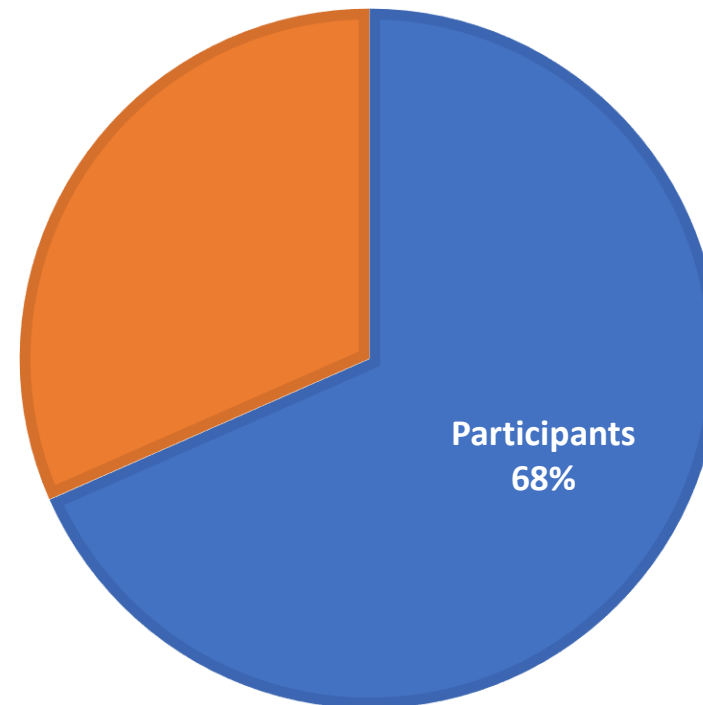
# Outcomes

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**BEFORE**



**AFTER**



# Postulated Reasons

- The ease of access to mobile devices, which allowed for online participation at the participants' convenience.
- The LEAP application is also a simple tool to facilitate contact tracing, thus enabling trainees to examine patients at bedside without compromising on safe distancing measures in the time of the pandemic.

## Conclusion

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This novel model of training for the MRCP (UK) PACES examination is a safe, yet feasible and implementable alternative during the COVID-19 pandemic with potential value to continue even after the pandemic is over.

You can direct questions to the corresponding author via email at [joshua.lee@mohh.com.sg](mailto:joshua.lee@mohh.com.sg)