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A Snapshot of OSCE practices in Australian Medical schools

- A/Prof Jane Smith
- Prof Clare Heal
- Dr. Karen d'Souza
- Dr. Bunmi Malau-Aduli
- Prof Richard Turner
- Dr Jenny Banks





Australian
National
University



Background

ACCLAIM started in 2011

- Firstly: James Cook University (JCU) and University of Tasmania(UTAS)
- Was 15 of 19, now 15 of 21 Australian Medical Schools

ACCLAIM AIMS:

- Collaboratively develop shared OSCE stations
- Online examiner training with discussion and feedback
- Analysis of student performance data
- A framework to facilitate national benchmarking

“SNAP SHOT” Methods

- Ideas from ACCLAIM meeting August 2016



- Questionnaire designed Nov 2016



- Ethics, in order to send to ALL medical schools



- Email survey monkey link sent early 2017

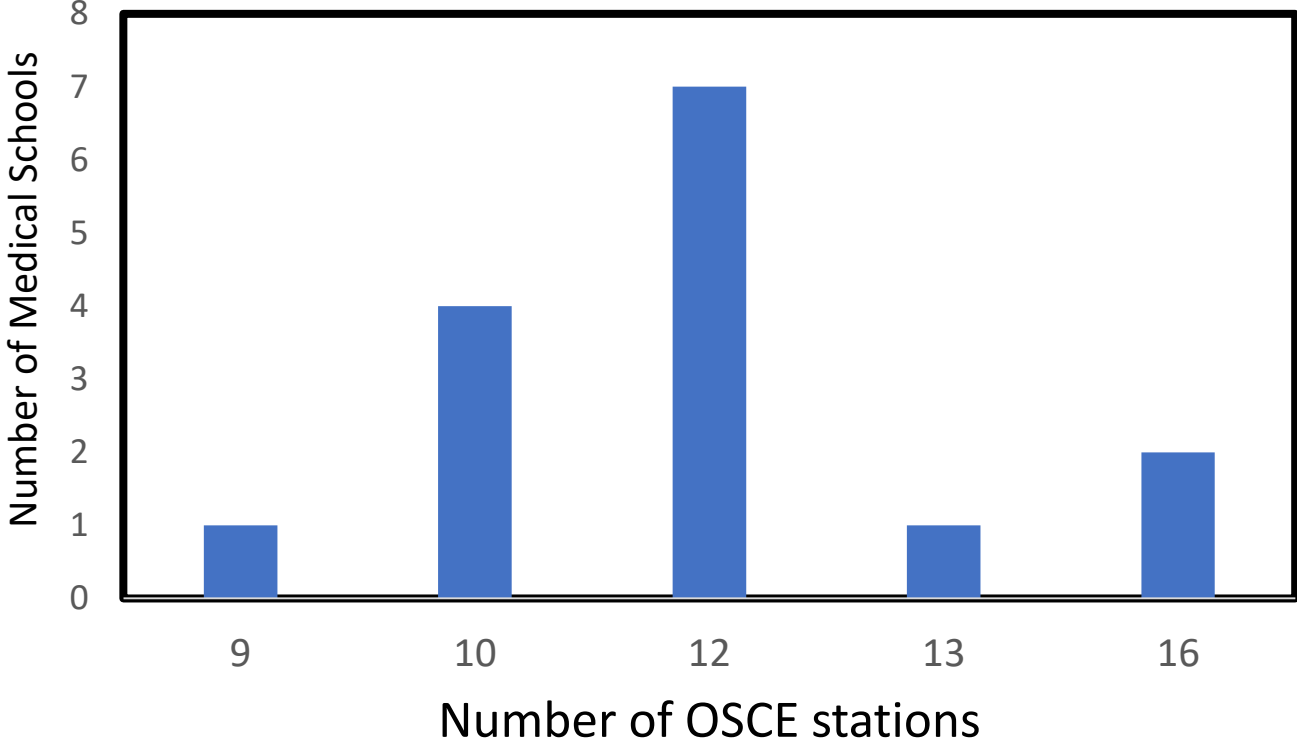


Aims: Measure and compare OSCE practices with “Gold Standard”

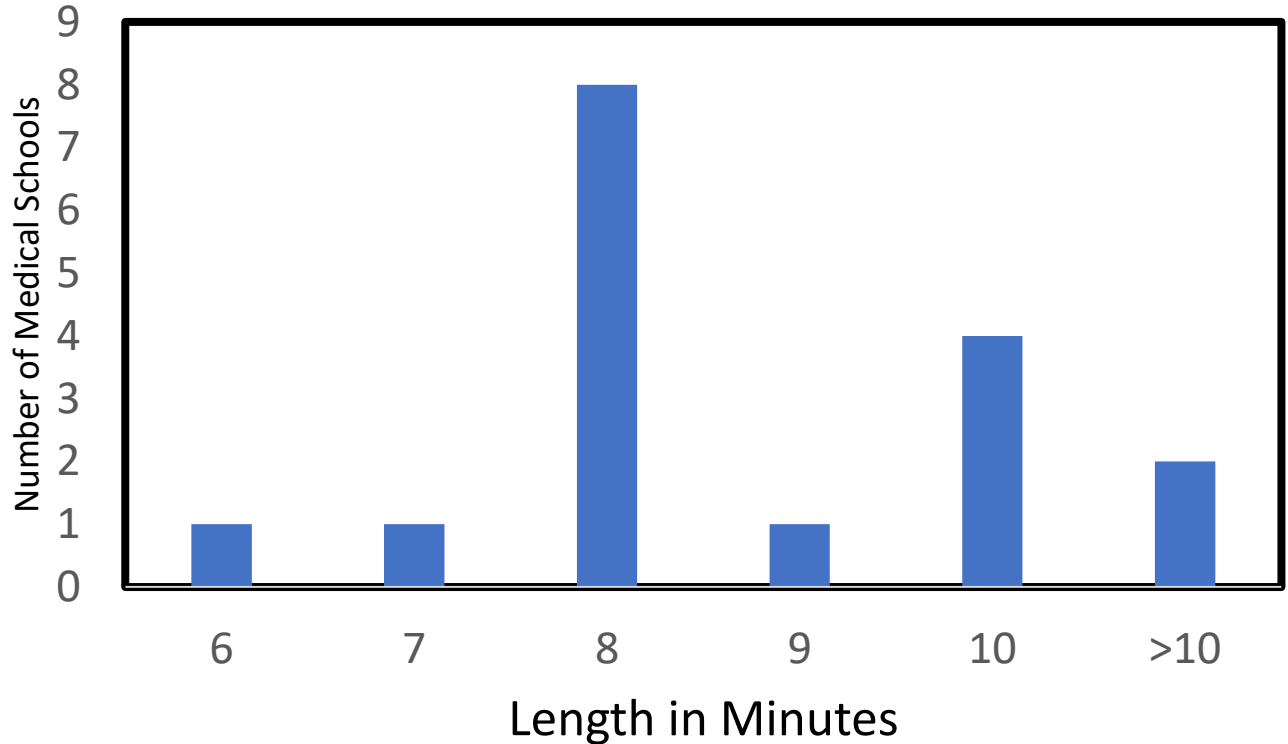
Results

- **18/19 Australian Medical Schools participated (*2 new ones since survey*)**
- **All 15 ACCLAIM members, and 3 non-members**
- **71 questions were asked**

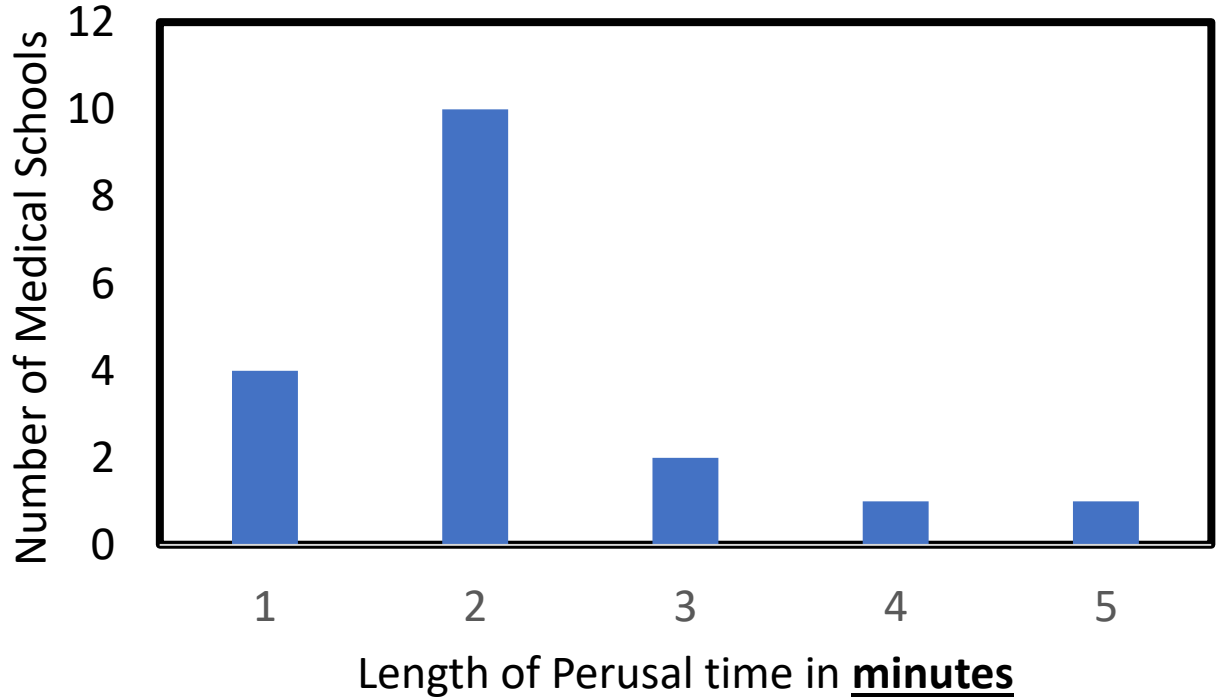
How many OSCE stations are in your exam?



How long is each station?



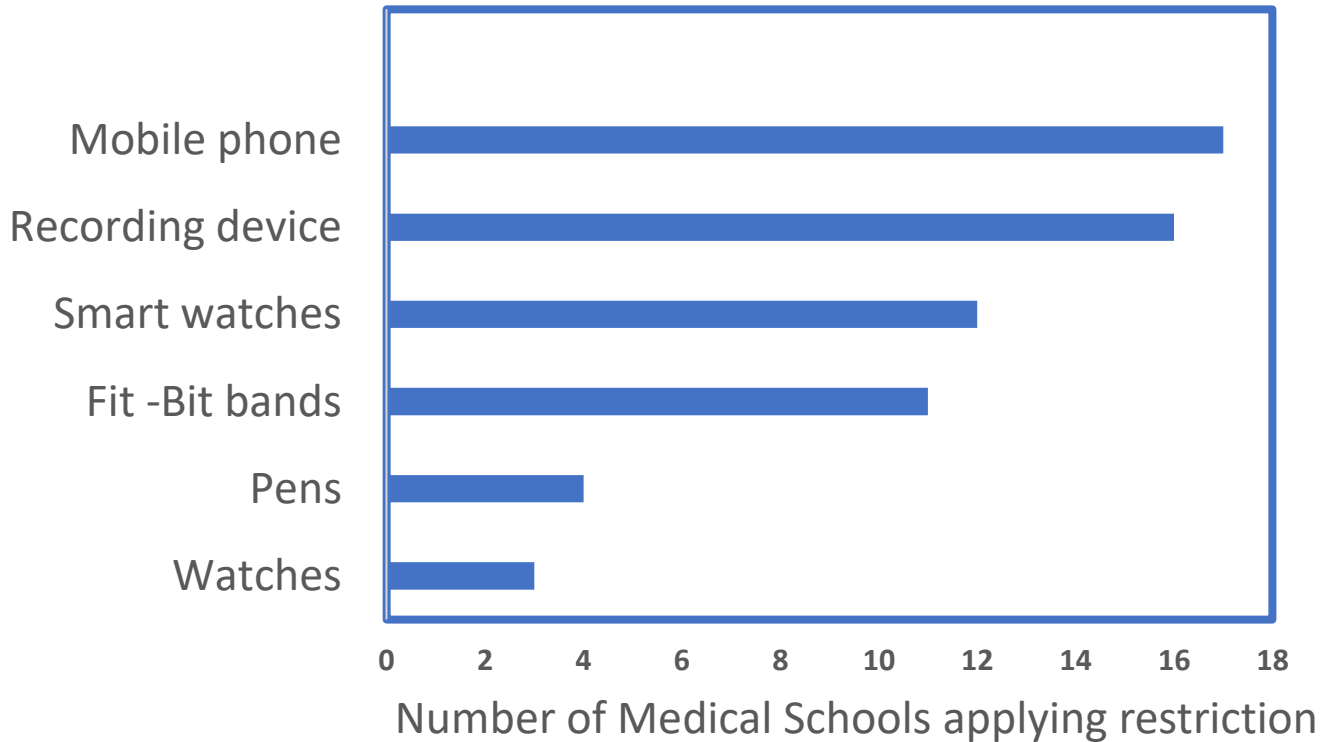
How long is perusal time?



May notes be written in perusal time?

- **50% allow notes**
- **50% DON'T allow notes**
- *Australian Medical Council DO NOT allow notes*

Devices NOT permitted in OSCE





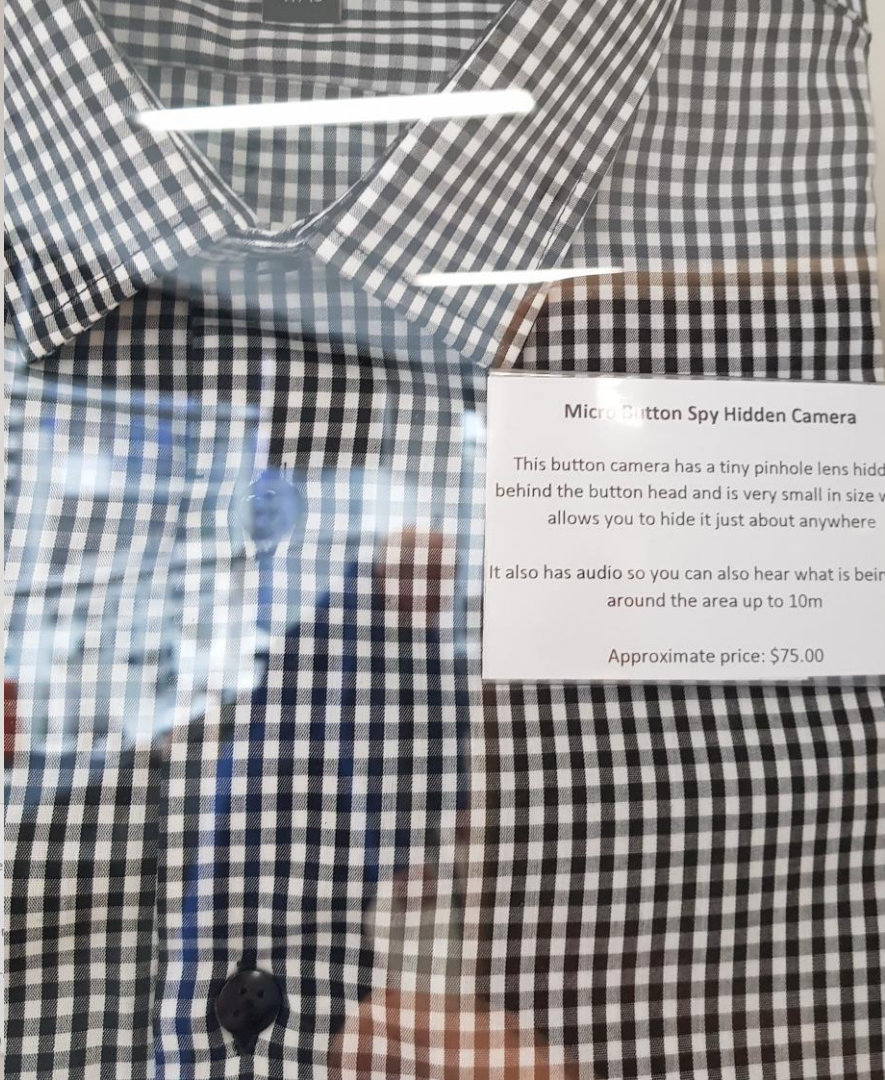
Spy Camera Tie

A fashionable and yet formal tie
can easily wear

It has a hidden pinhole camera

Recording can be start and stop by a wire
controller

Approximate price: \$70.00



Micro Button Spy Hidden Camera

This button camera has a tiny pinhole lens hidden
behind the button head and is very small in size which
allows you to hide it just about anywhere

It also has audio so you can also hear what is being said
around the area up to 10m

Approximate price: \$75.00

Blueprinting

- **ALL use their own curriculum**

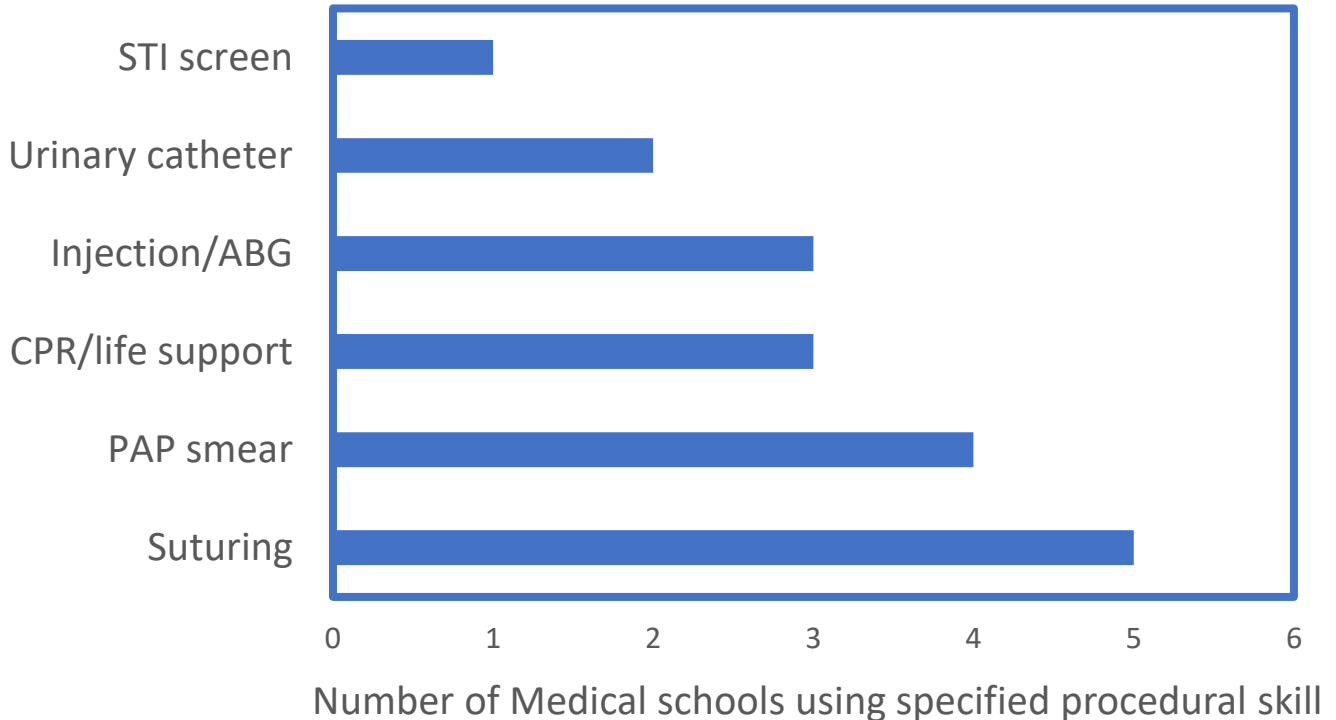
+/- Graduate outcomes from

- Australian Medical Council(AMC)
- Medical Deans of Australia & New Zealand (MDANZ)

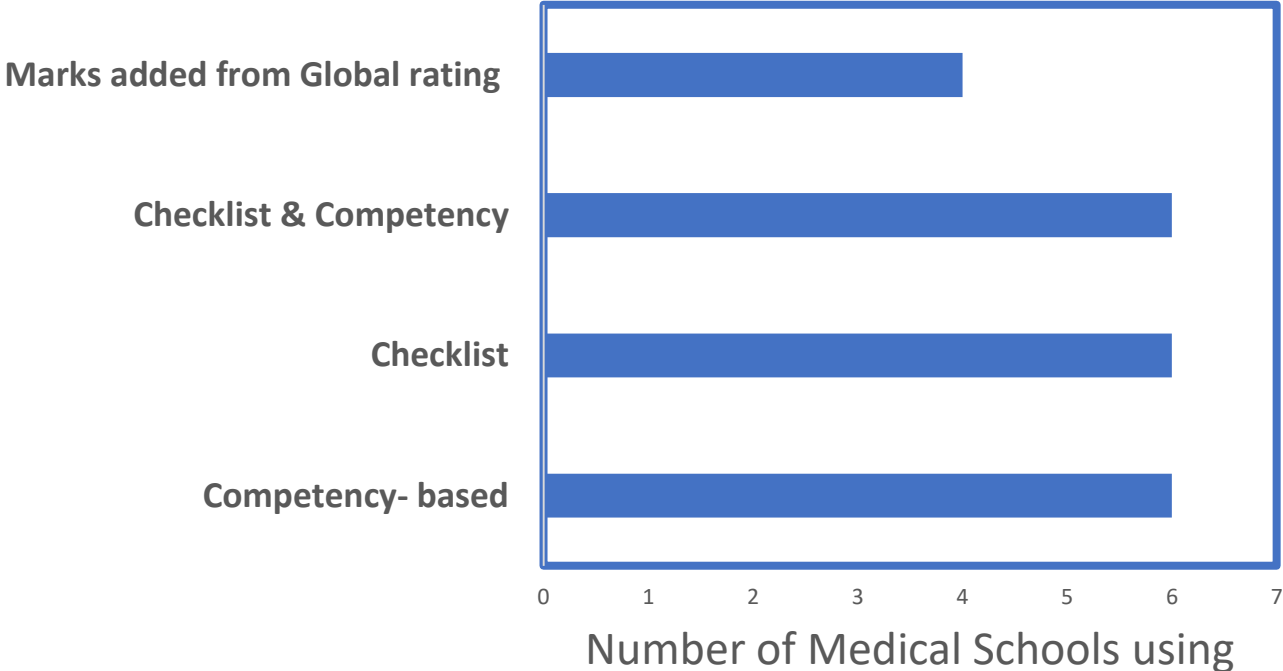


Procedural skills tested in OSCEs

14 do, and 4 don't

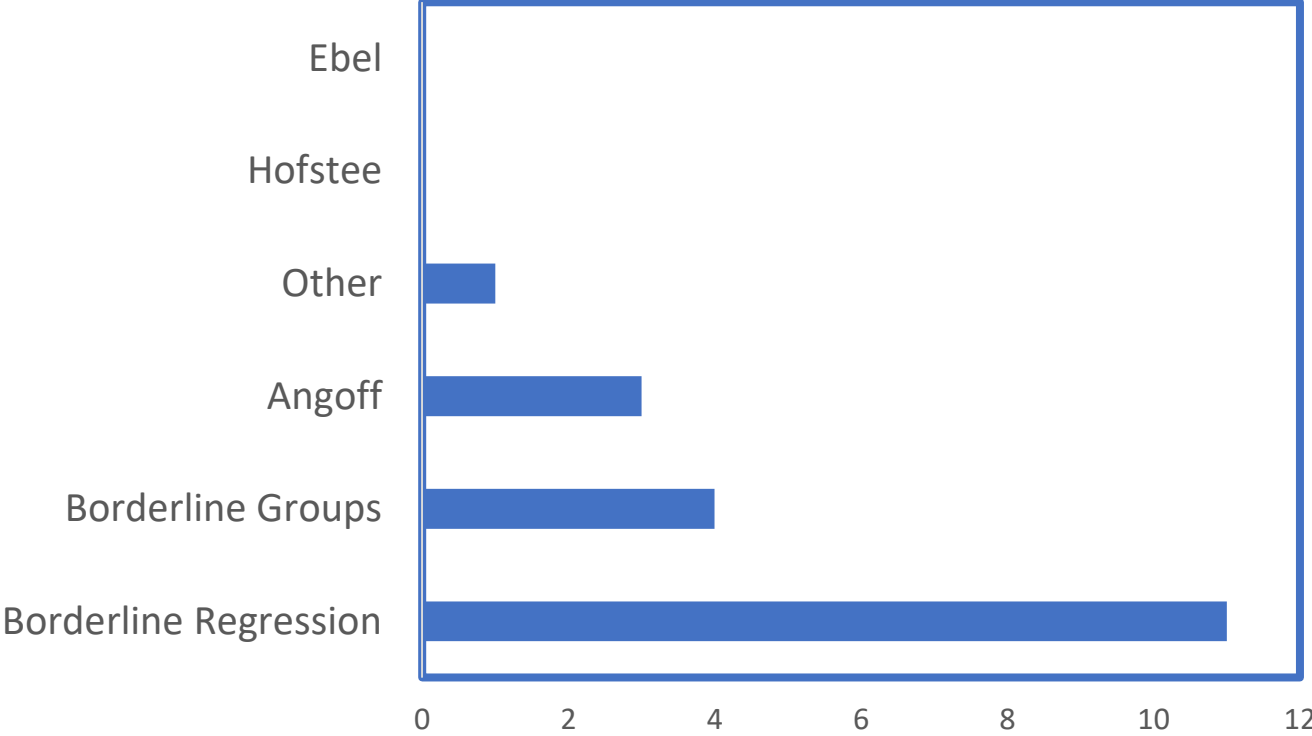


Types of rating scales used to score marks

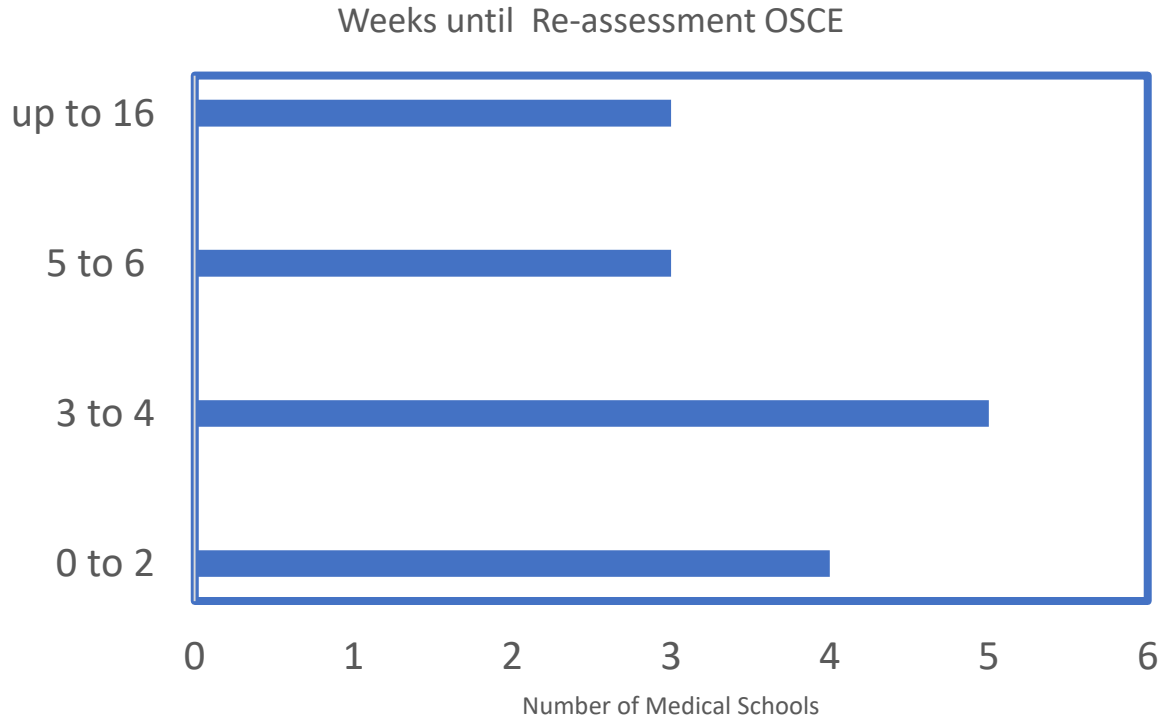


Standard setting used for OSCE

Number of Medical Schools using each

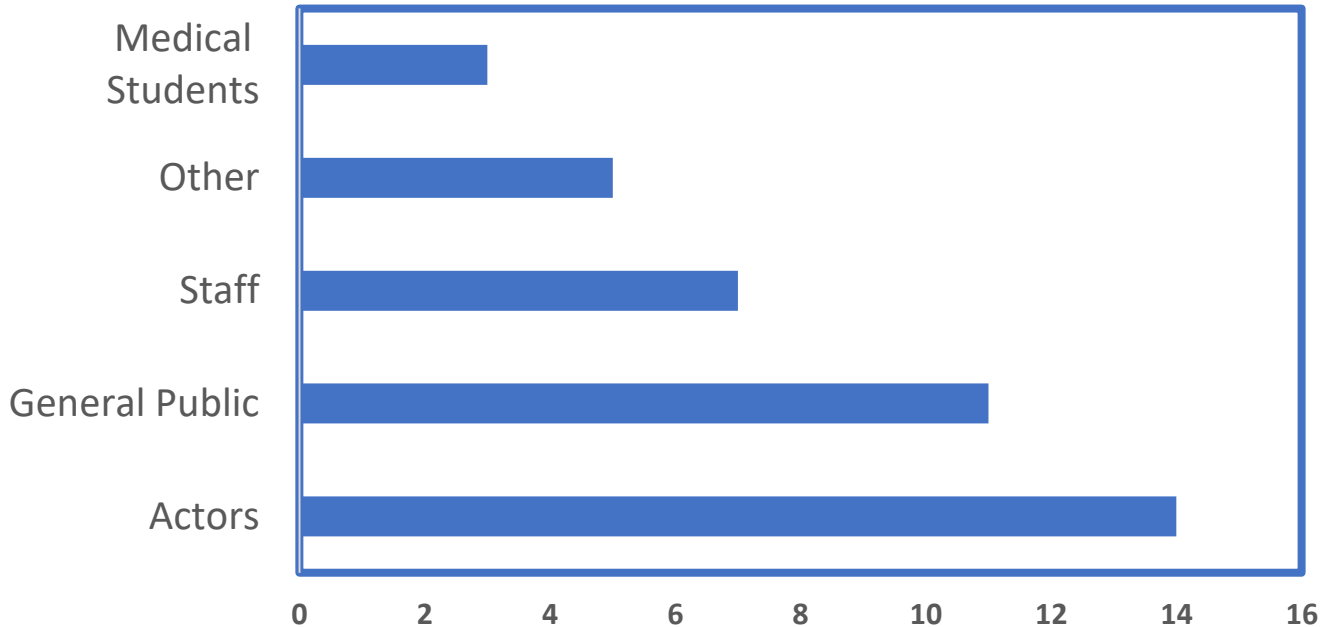


How much time until re-assessment OSCE?



The multiple sources of simulated Patients

Number of Medical schools using each type of simulated Patient



Other: real patients, elective international students, community volunteers, general public who have been trained

Use of REAL PATIENTS in OSCEs

Just under half use real patients in OSCE physical examination stations



EXAMPLES:

- *Abnormal heart sounds*
- *Abnormal respiratory sounds eg pulmonary fibrosis*
- *Musculoskeletal deformities*
- *Diabetic limb*
- *Neurological signs eg Parkinsons, eg peripheral neuropathy*
- *Splenomegaly*

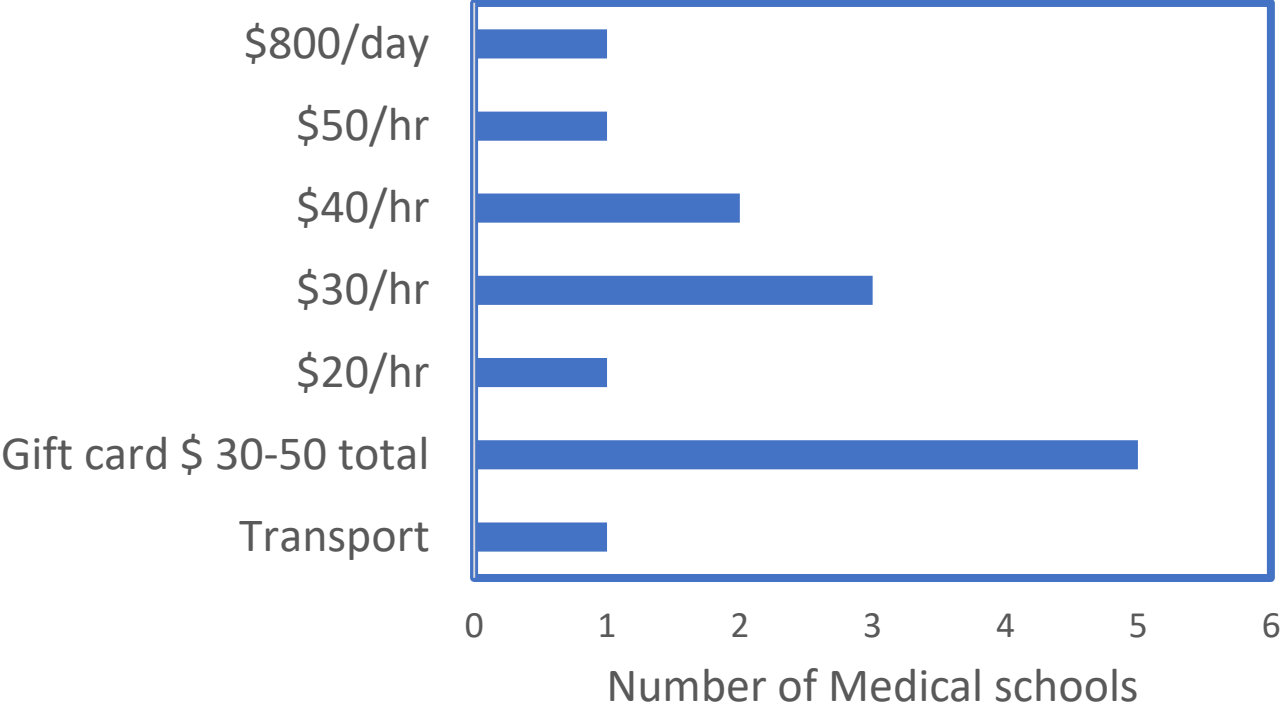
Simulated Patients marking the student

**In 20% of the responding Medical schools
Simulated patient give 10% of the station marks**

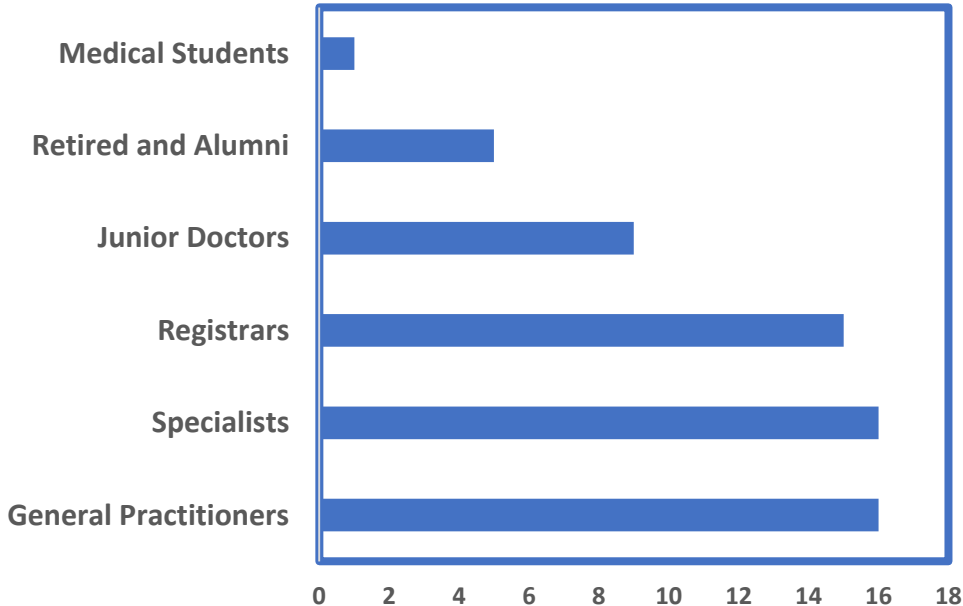
SCORING of

- *rapport and communication with patient*
- *whether they were respectful*
- *showed empathy*
- *how they felt treated as a patient*

Rates of pay to simulated patients



WHO are the EXAMINERS? *(ALL had multiple answers)*



Examiner Training ?

- Orientation to OSCE & calibration
- Training workshops
- Briefing before the OSCE
- Documents to read prior to the OSCE
- Orientation to examiner's OSCE station
- Online training prior to the OSCE

Do medical schools pay examiners?

1/3 DO, 2/3 DONT

“Gold Standard” AMEE guide 81

- Examiner training reduces examiner variation in scoring
- Poorly standardized simulated patients = poor reliability
- Checklist v competency based v global rating scale
- Standard setting varies from recommended
- Quarantine recommended & practiced
- Devices = many more than phones

Conclusions



- **ACCLAIM is a great example of collaboration**
- **Variation between medical schools**
- **Shared information is of use to all**
- **Many future research possibilities**
- **ACCLAIM contact jcu.acclaim@gmail.com**
- **My email jsmith@bond.edu.au**



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