

My On Call (MOC) Pager App: a simulated pager program

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Objectives

1. To review the purpose, format, and functionality of the app
2. To discuss its role to date
3. To explore its potential role in Toronto's Postgraduate Medical Education programs

Purpose of App

First year of residency

- Increase in responsibility
- Steep learning curve
- High acuity patients

Dozens of pages

- Clinical decision-making

Culture that praises independence

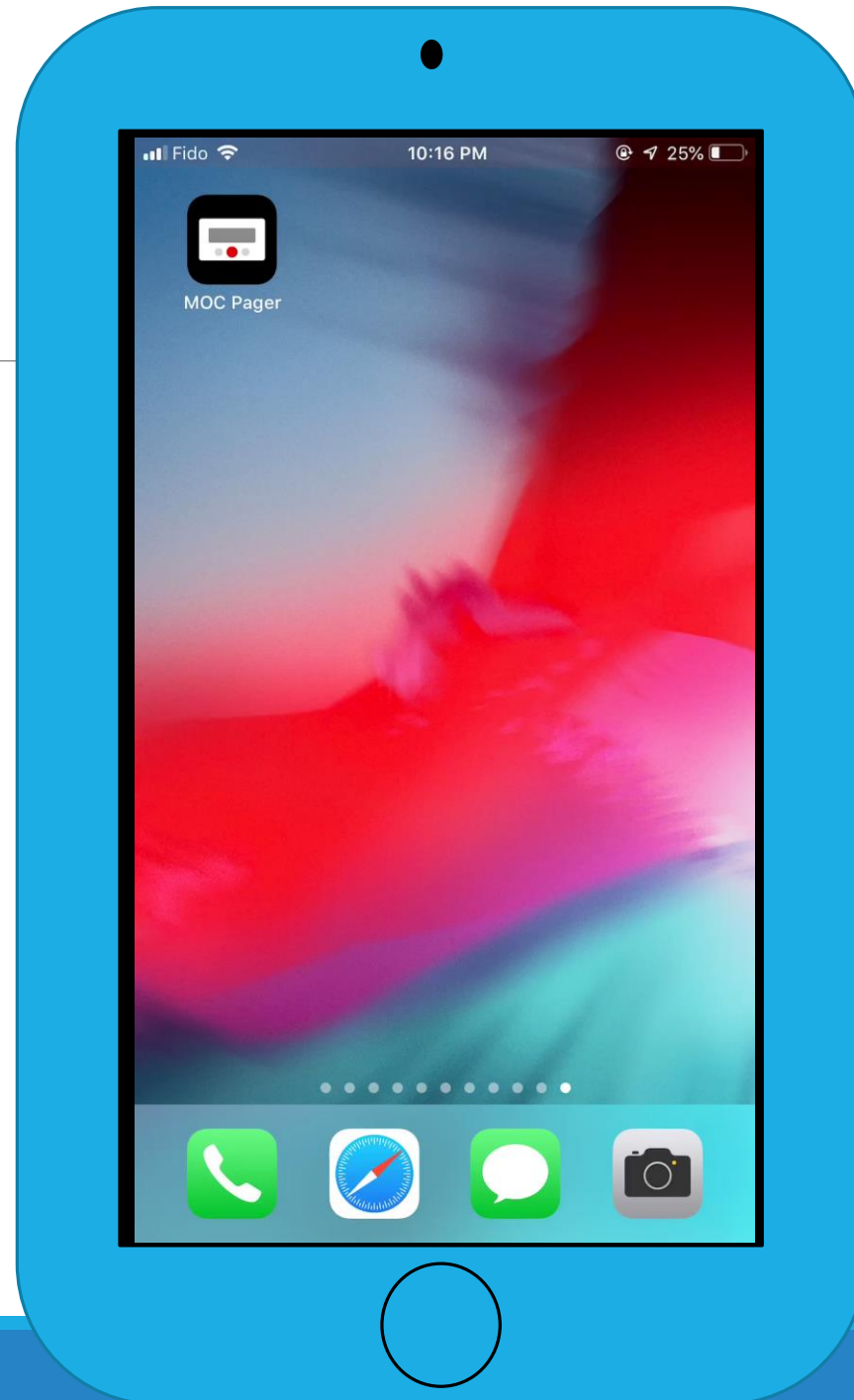
The MOC Pager

1. Created in 2015 at the University of Ottawa
2. Simulated clinical education and assessment tool
3. Common on-call scenarios pertaining to a list of virtual patients

How does it work?

- Sends randomized, time-sensitive pages to the user
- Answers are automatically recorded and marked by a database
- Each page has a set of two questions:
 - 1. Clinical pager question
 - 2. Follow-up triaging question

Video



Follow-up Triaging Question

	Best	Safe	Unsafe
Give verbal order over the phone, no need to see the patient			X
See the patient when you have time (1-2 hours) and write the orders then			X
See the patient immediately	X	X	
Call the senior (who is at home) for help		X	
Call the appropriate service for help (ex. CCRT, anesthesia, IM, etc.)		X	

Applications of the App

Perioperative Management Elective (University of Ottawa)

National Cardiac Surgery Bootcamp

Ottawa General Surgery Clerkship Rotation (2019)

Impact of the App

Published in:

Journal of Surgical Education 2017

Cureus 2018

Funding

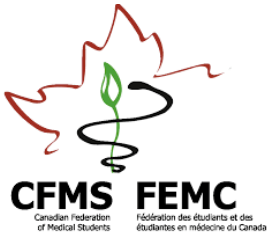
Joule Innovation Grant, CFMS Student Initiative Grant, TOH, CREATE-BEST NSERC

Presented at:

Perioperative Care Congress, Toronto 2017

The Association for Surgical Education Annual Meeting, San Diego 2017

Canadian Conference on Medical Education, Winnipeg 2017



MOC Pager in Toronto

Education and
assessment

- Specialty-specific pages and patients
- Potential role in CBME

Decreased anxiety
for residents

- Independent clinical-decision making
- Improved patient safety

Unlimited research
opportunities

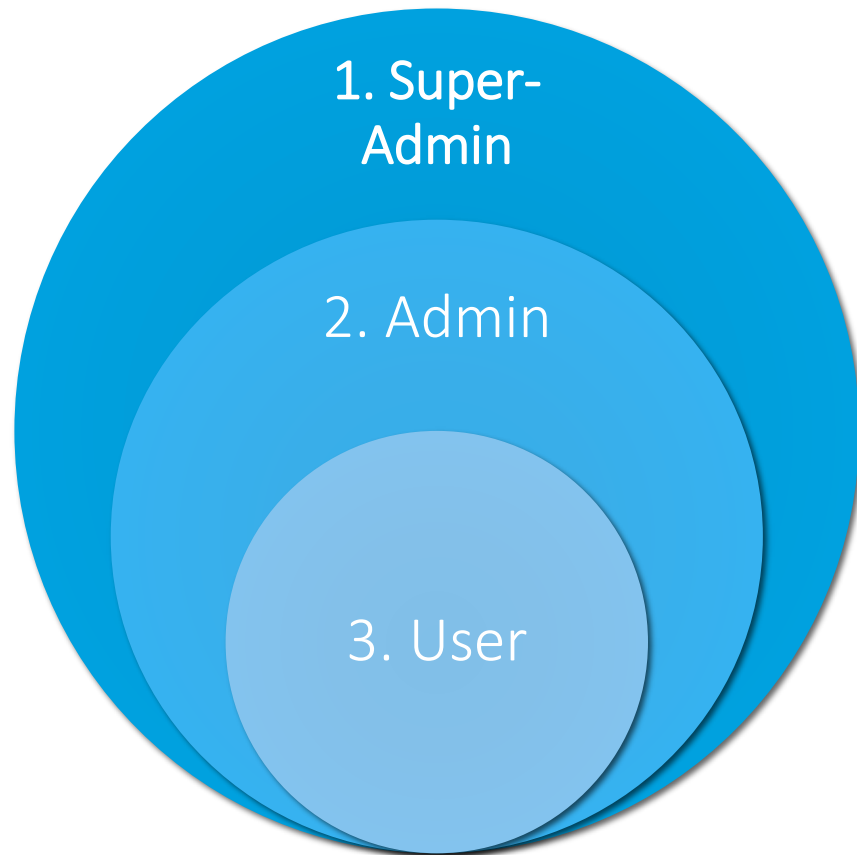
- Ex. Monitor progression
- Ex. Assess feedback strategies

Costs to Consider

- Joule Grant provides:
 1. \$750/program for question development (\$50/h = 15 hours of paid question-development)
 2. Project coordinator
- Administrative Support



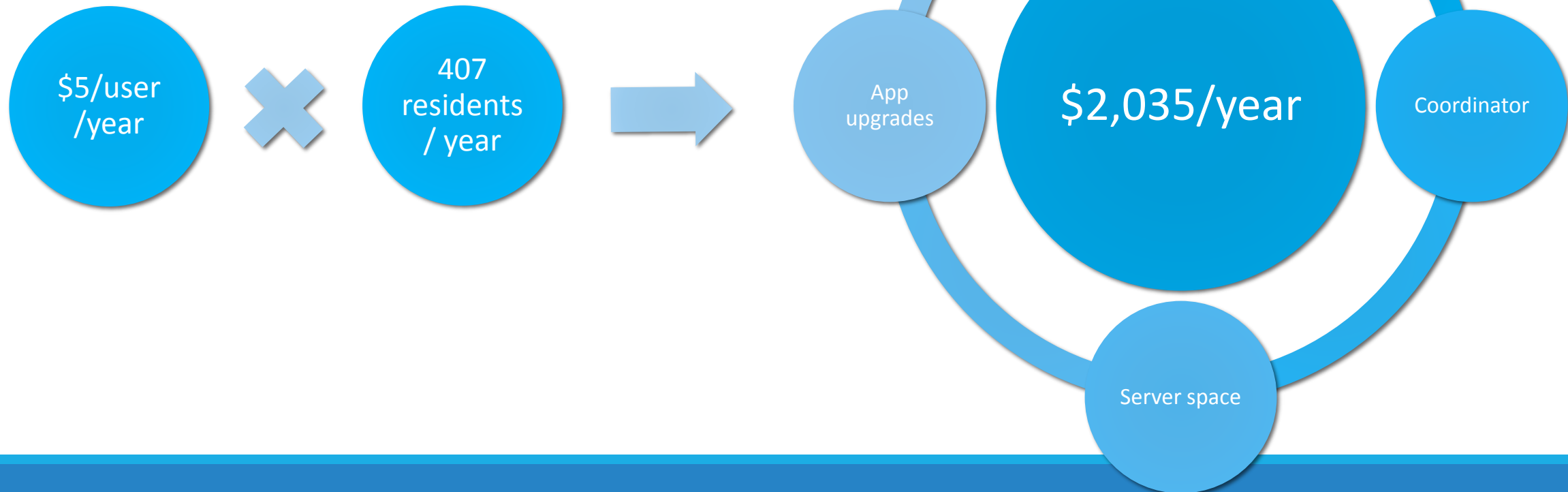
Administrative Support



1. Access to everything everywhere (project coordinator)
2. Localized to each program, creates parameters, schedules pages
3. Can be in multiple programs simultaneously

Costs to Consider

- In future years, cost will be based on ongoing app fees
- Non-profit



Summary of the MOC Pager



Simulated clinical-decision making tool for learning and assessment

Abundant educational and research opportunities

Free-of-cost for first year with minimal cost moving forward

Questions?

THANK YOU

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References

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3. Norman G. Research in clinical reasoning: past history and current trends. *Med Educ*. 2005;39(4):418-427. doi:10.1111/j.1365-2929.2005.02127.x.