

# Tablets - Toys or Tools?

## UCLIC Preceptor iPad Pilot

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# Disclosure

- No conflicts of interest
- No financial interest - although I'm open for discussion . . .



# UCLIC 2014

10 sites

18 Students

17 Primary Preceptors

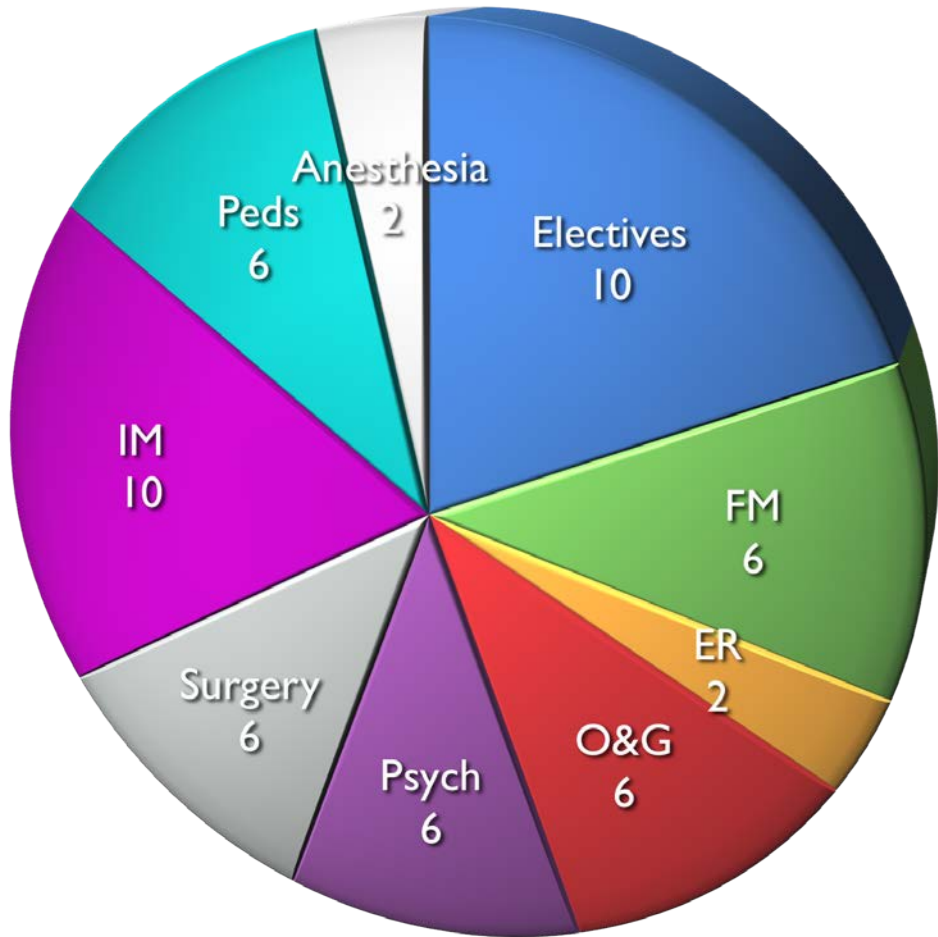
> 150 physicians

3500 km

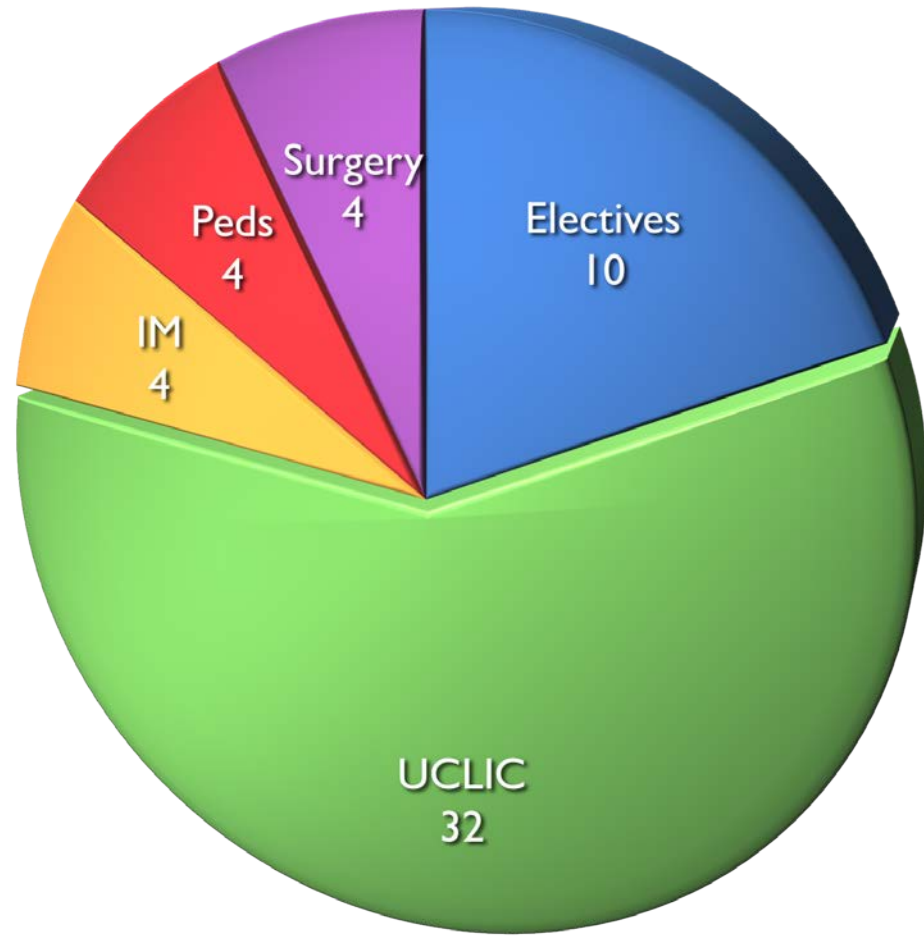
36 weeks



# UCLIC Year



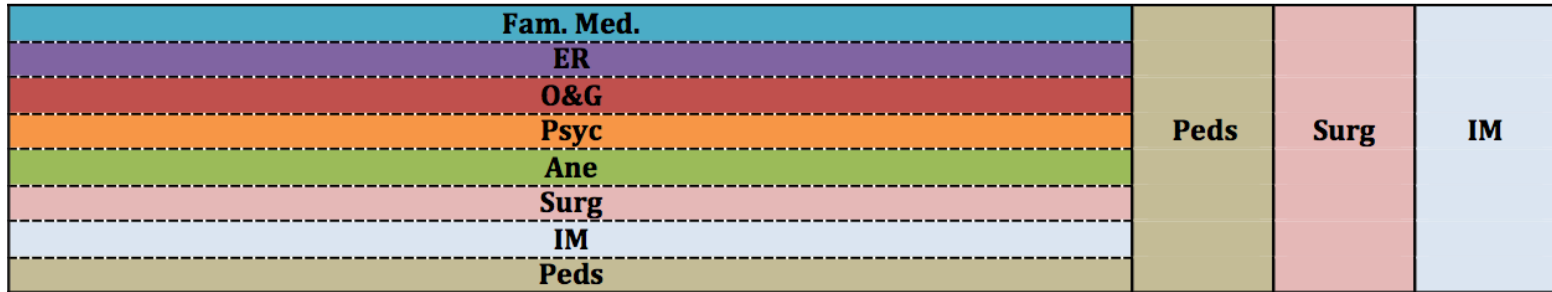
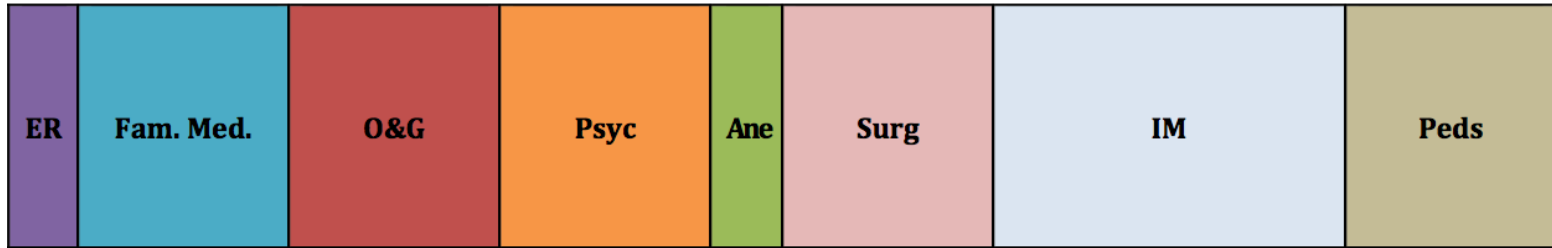
Traditional Clerkship



U of C Longitudinal Integrated Clerkship (UCLIC)

Total - 54 weeks

# Traditional Clerkship



# UCLIC

# Will preceptor access to a centrally updated mobile device improve:

- Communication with the program?
- Teaching of learners and patients?
- Continuing medical education?
- Efficiency?

# Method

- Central server, using WebDav, secure site, controlled by program director
- Preceptors supplied with iPads and \$25 iTunes gift card - required to purchase GoodReader (\$4.99)
- Equivalent to budget for textbooks
- 10 preceptors had a 1 hour orientation to the iPad
- One - button sync set-up - in person for 8, documents sent for 10.



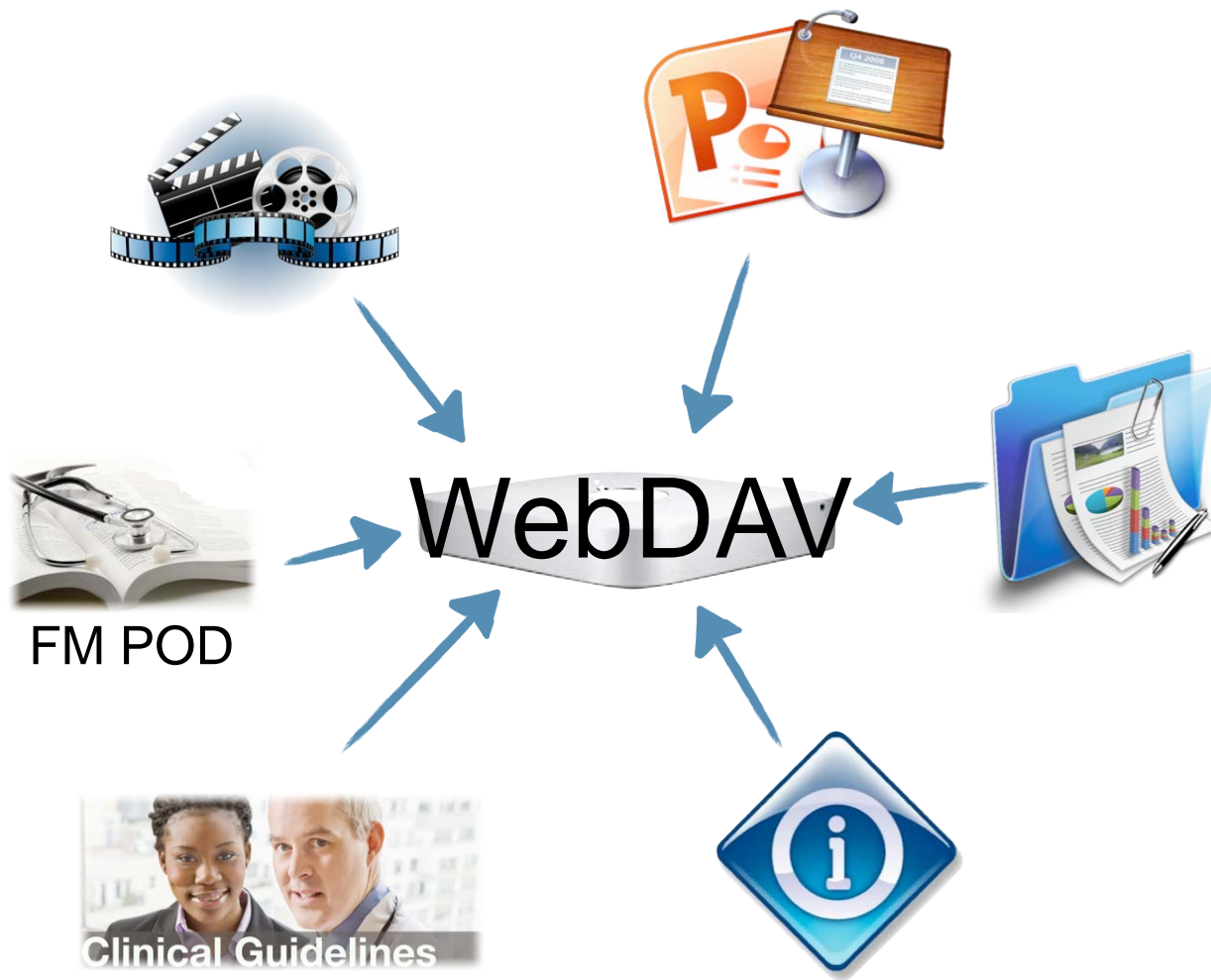


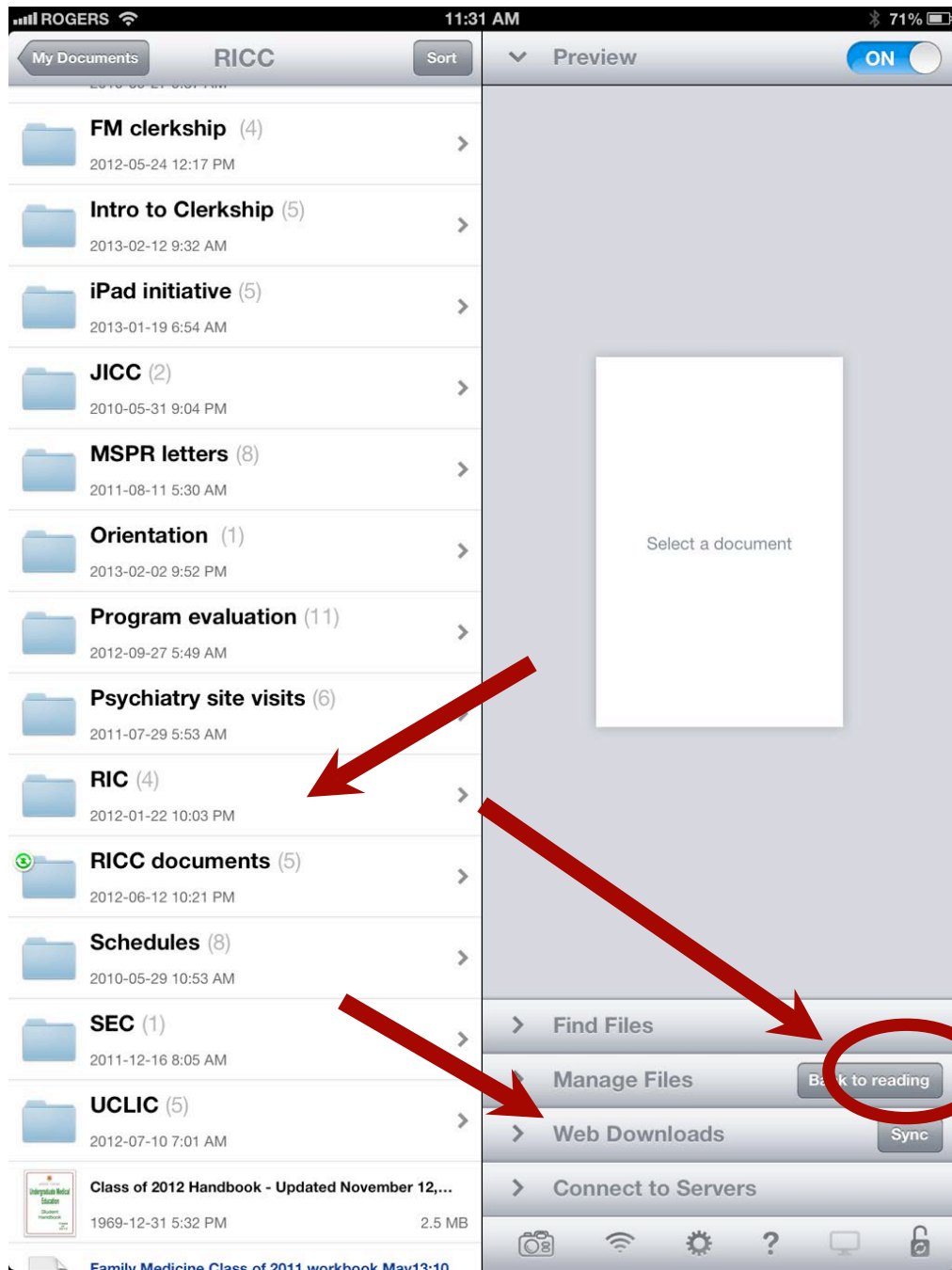
# DynaMed™

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PROVIDING ANSWERS TO  
CLINICAL QUESTIONS





# GoodReader



FM POD



Clinical Guidelines

WebDAV



Sync



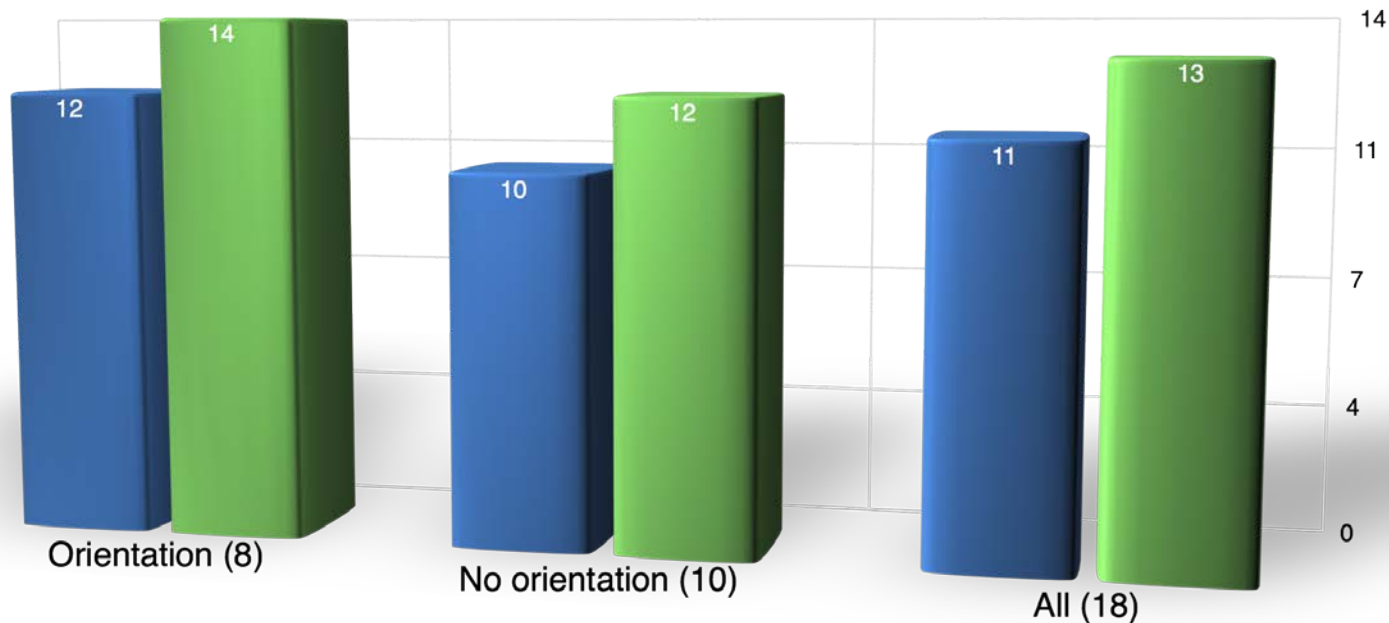
Demo . . . .

# Evaluation

- Quantitative - MCQ quiz before and after
  - 30 questions in 10 minutes
- Qualitative survey after 9 months use

# Results - Quiz

## Average Preceptor Scores



■ Pre-Quiz

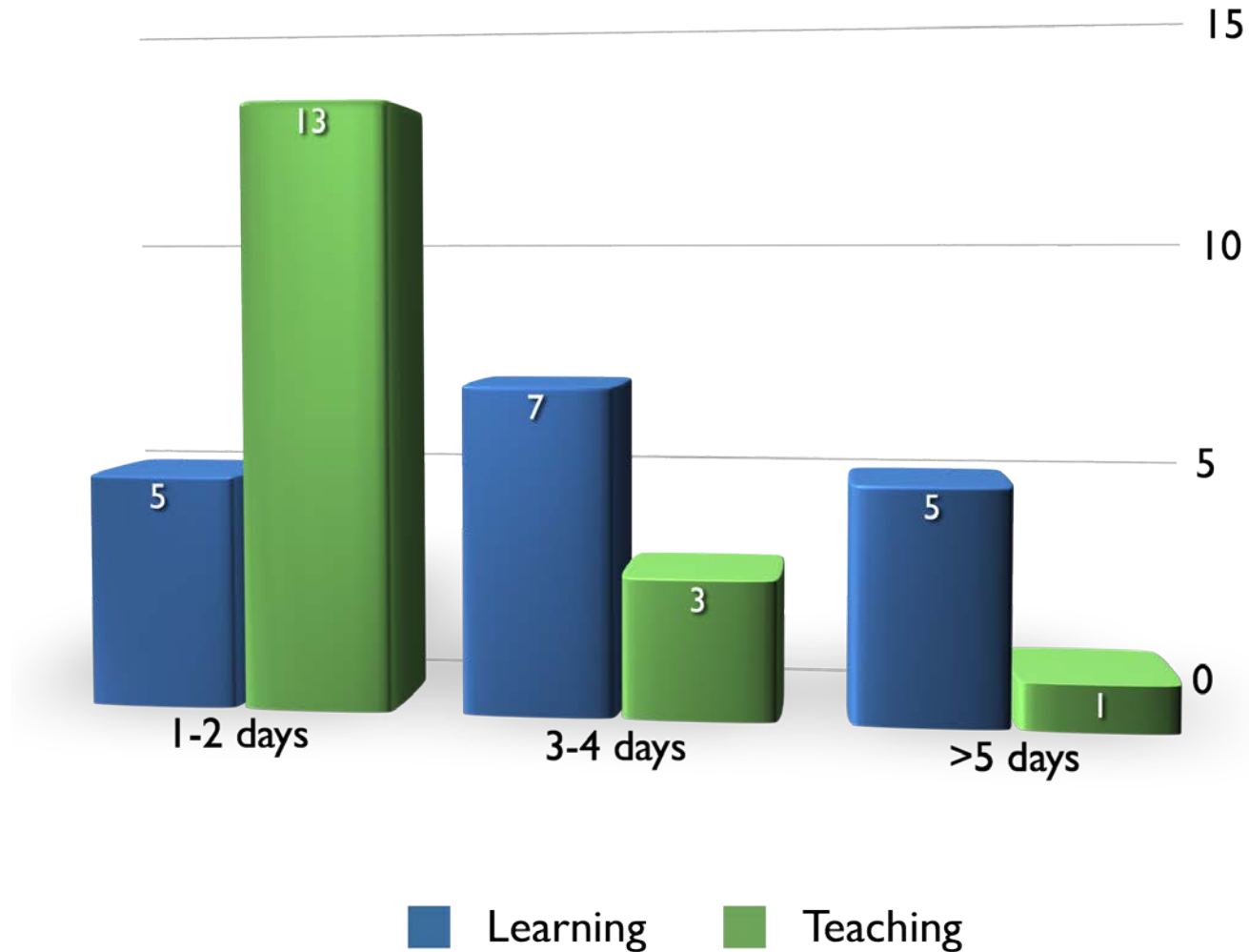
■ Post-Quiz

$t=-1.5$ ;  $p=0.160$

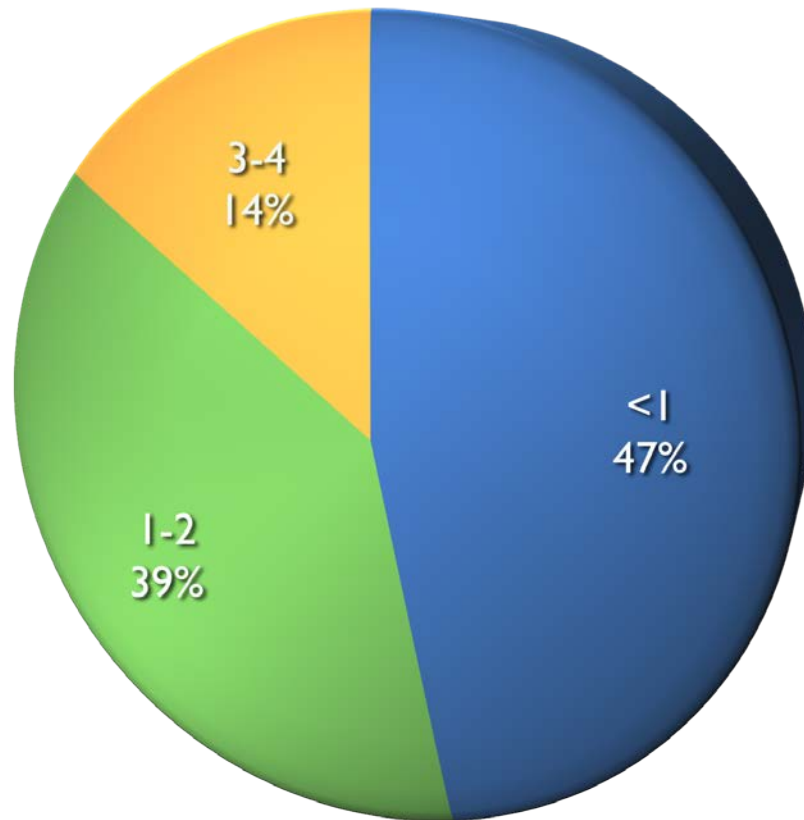
# Results - Survey (17 respondents)



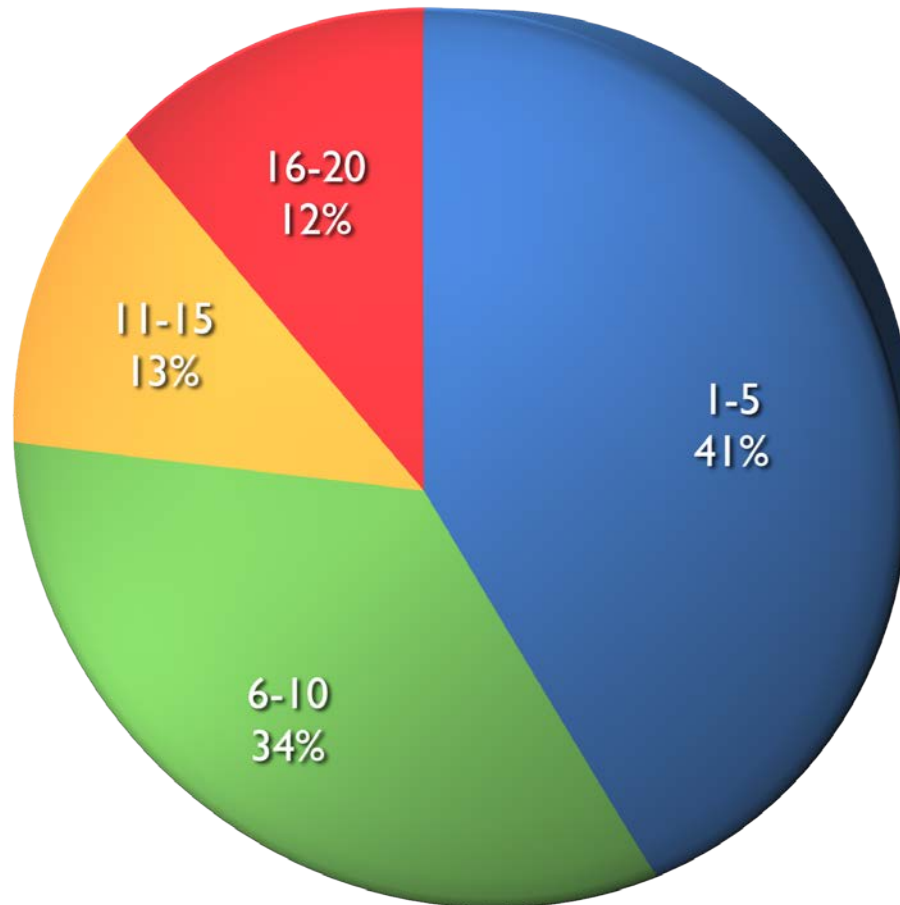
On average, how many times a week did you use the iPad to teach/learn?



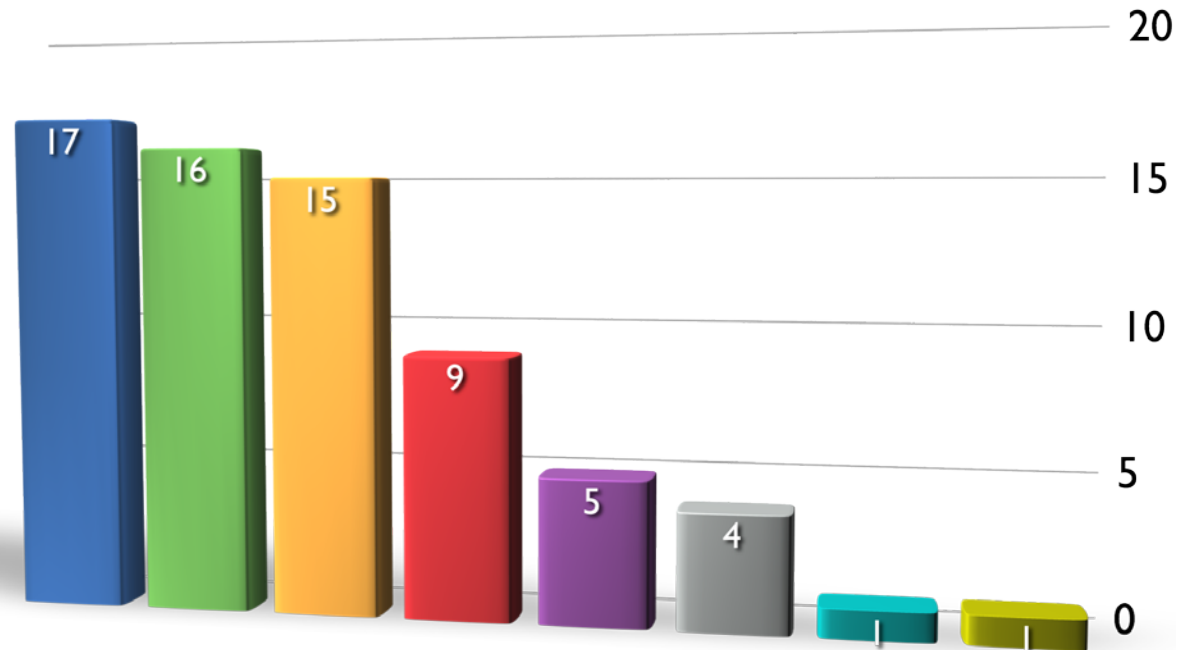
On average, how many hours/day did you use the iPad?



How many medical apps do you own?

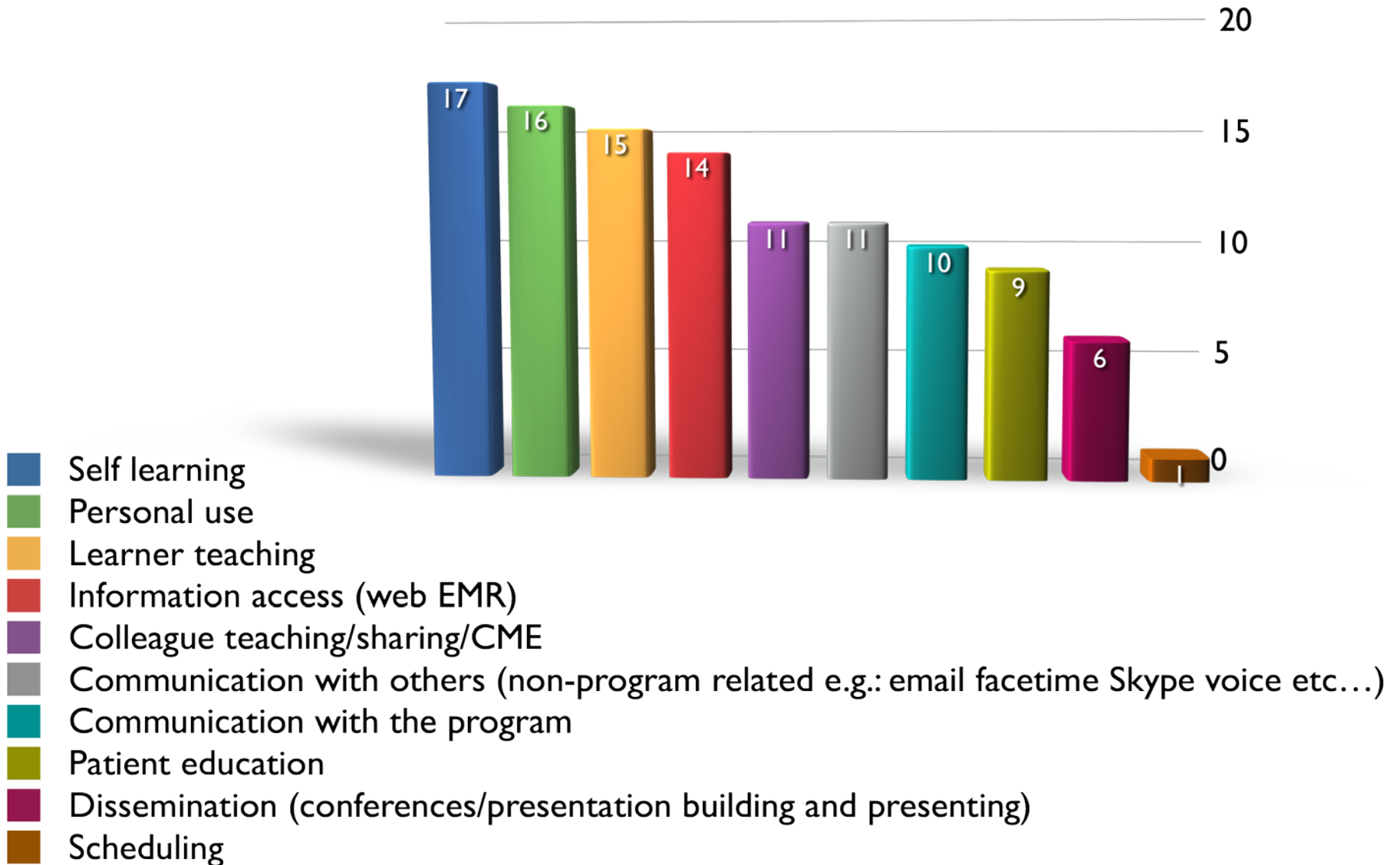


# What type of apps do you own?

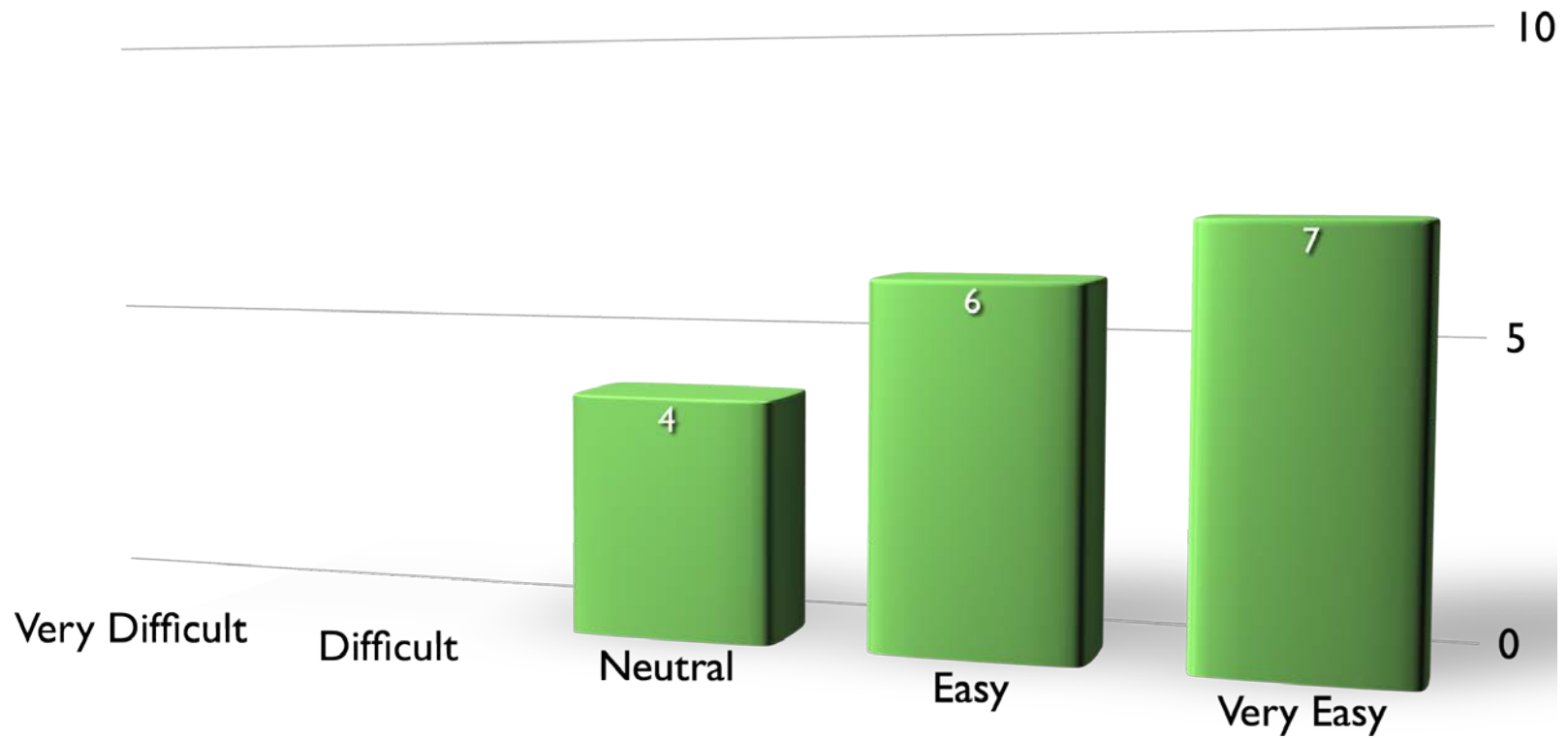


- Medication/drug reference
- Clinical score systems/medical calculator
- Disease diagnosis/management
- Anatomy
- Filing system
- Password management
- Procedure documentation
- Other

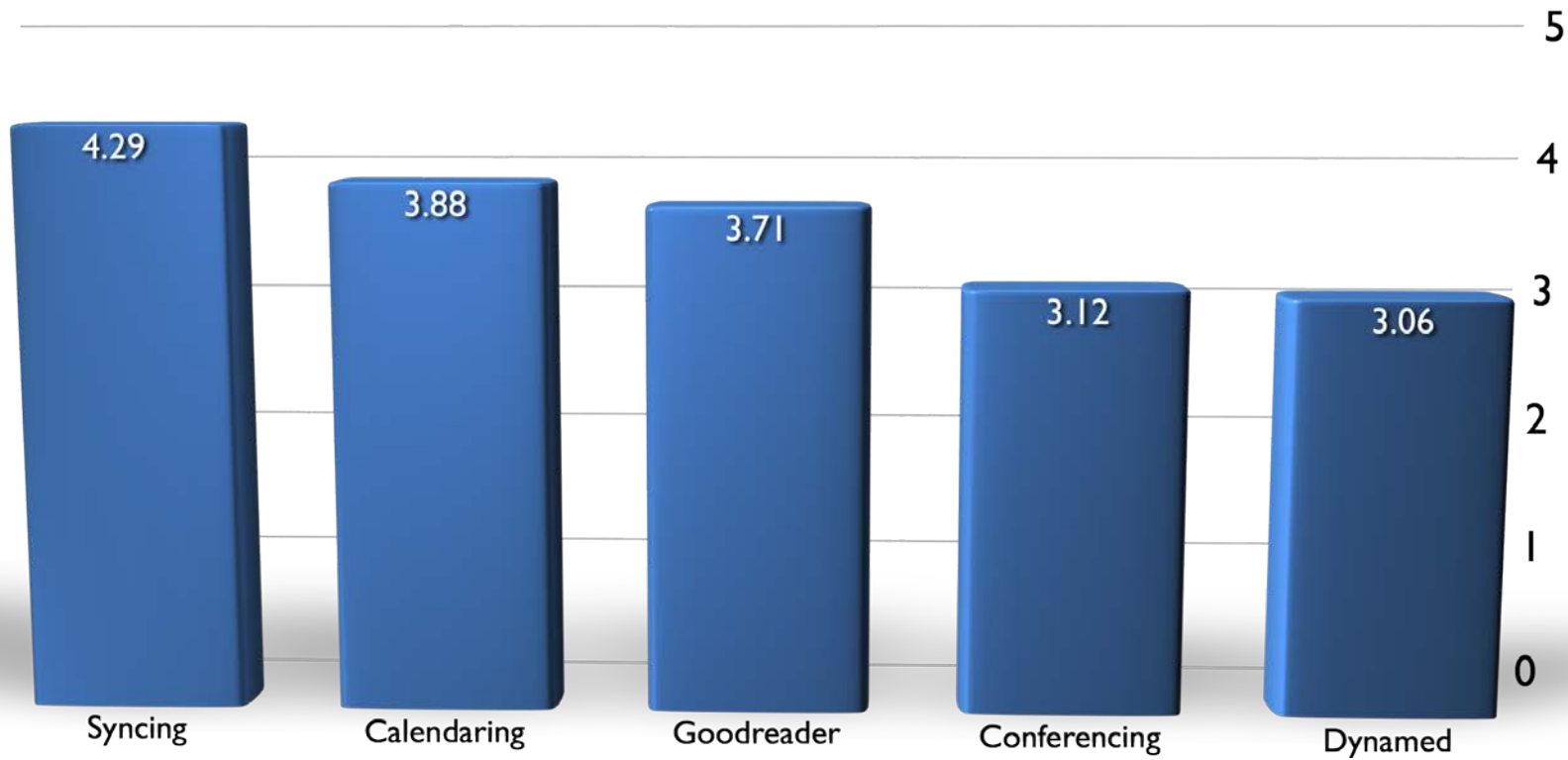
# How did you use the iPad?



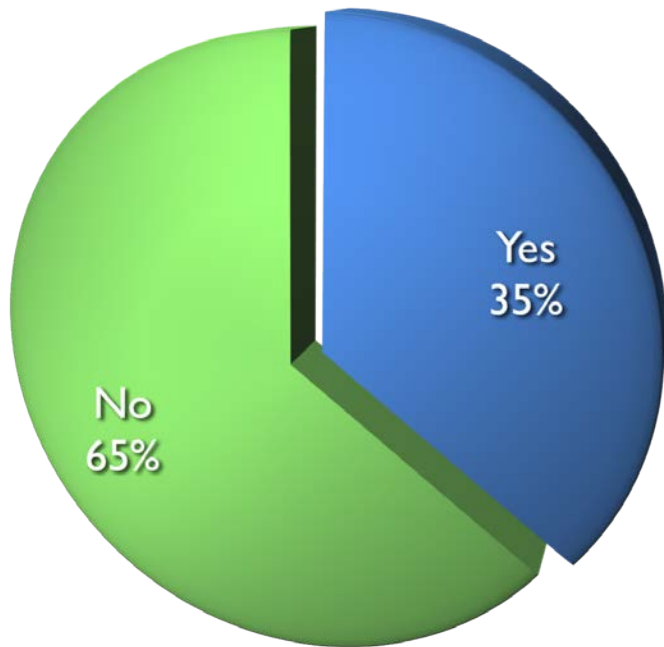
# How difficult was it to learn to access the information of the iPad?



My current comfort level with the following tasks is...



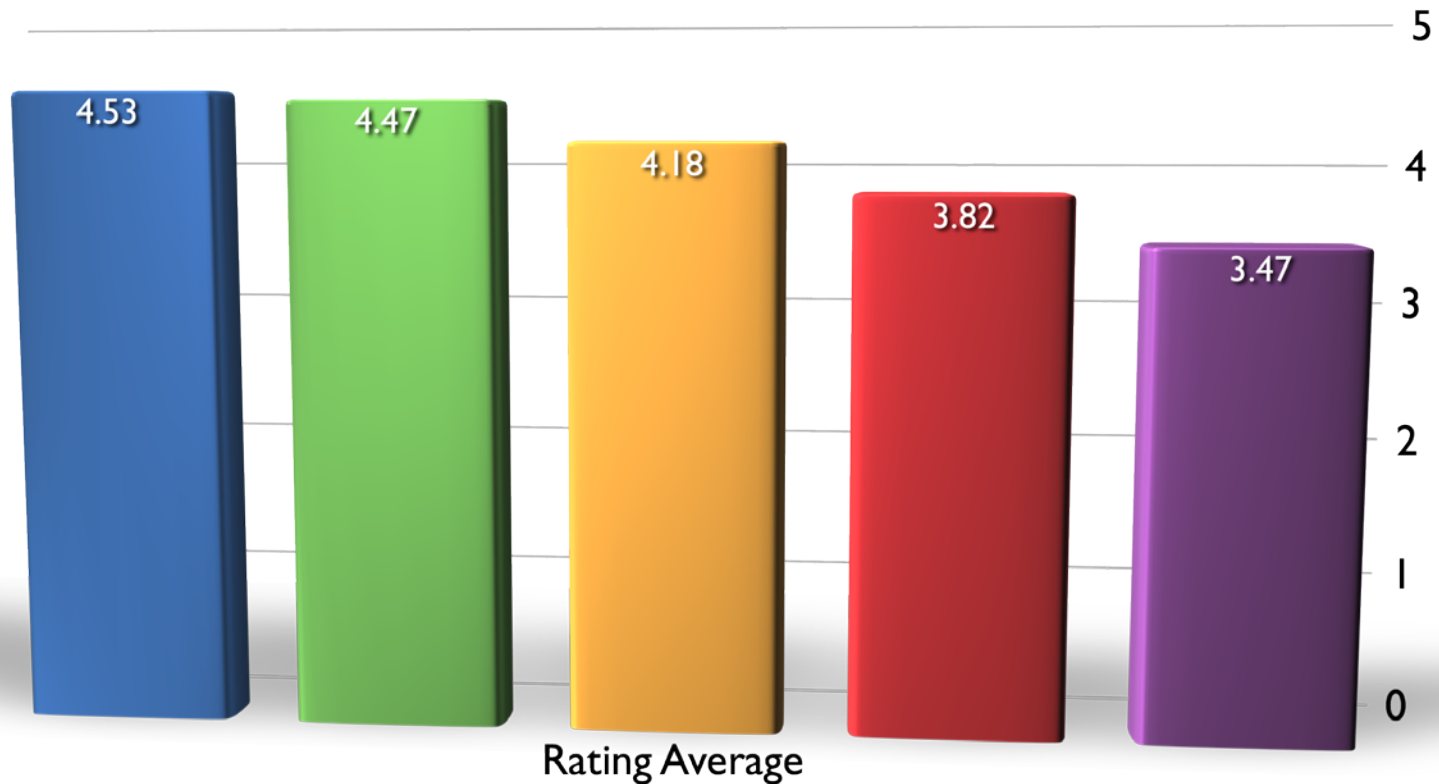
# Was there anything you learned from this device that was unexpected?



- “It’ s ability to interact with other devices”
- “It can’ t be broken; overcome the fear and just use it.”
- “Unable to access some programs, such as our calendar”
- “Dropbox file sharing - handy”
- “How you can edit documents in GoodReader!”
- “Great functionality in general practice”

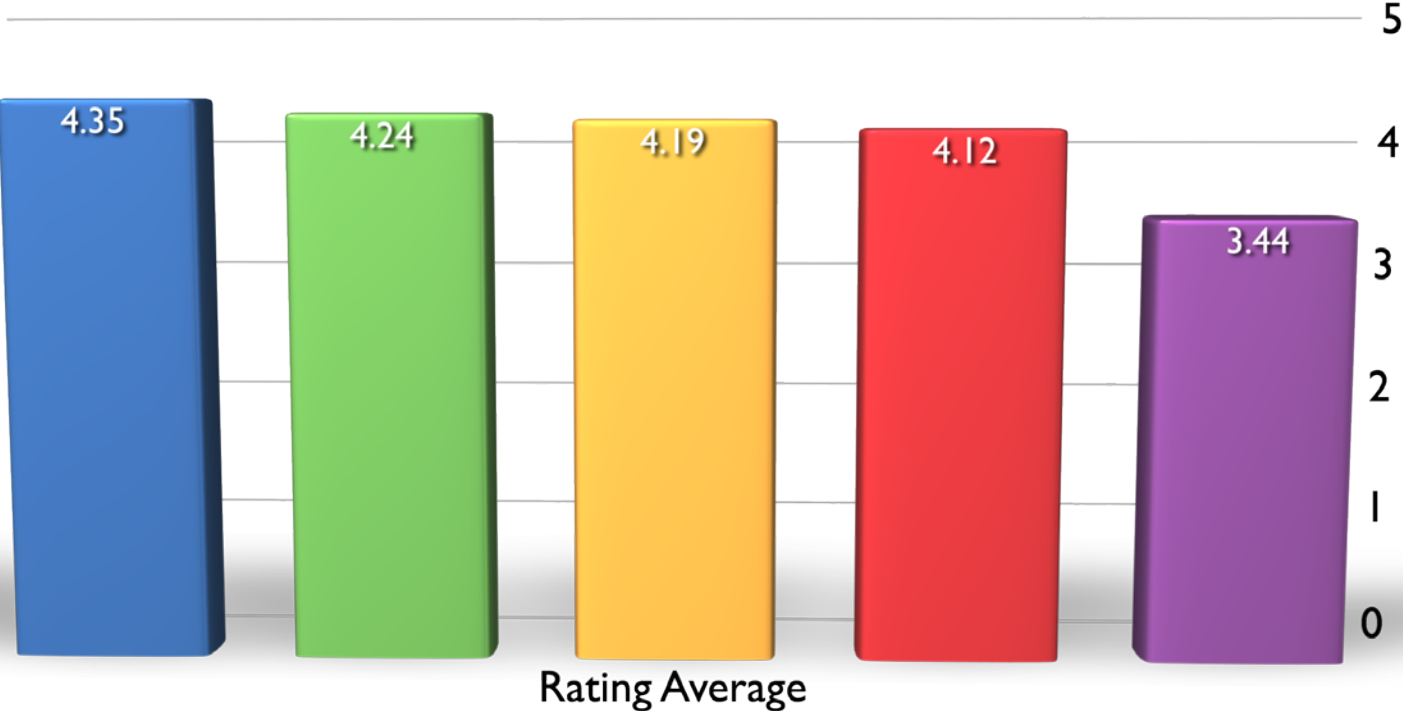


# The access to a centrally updated mobile device (iPad)...



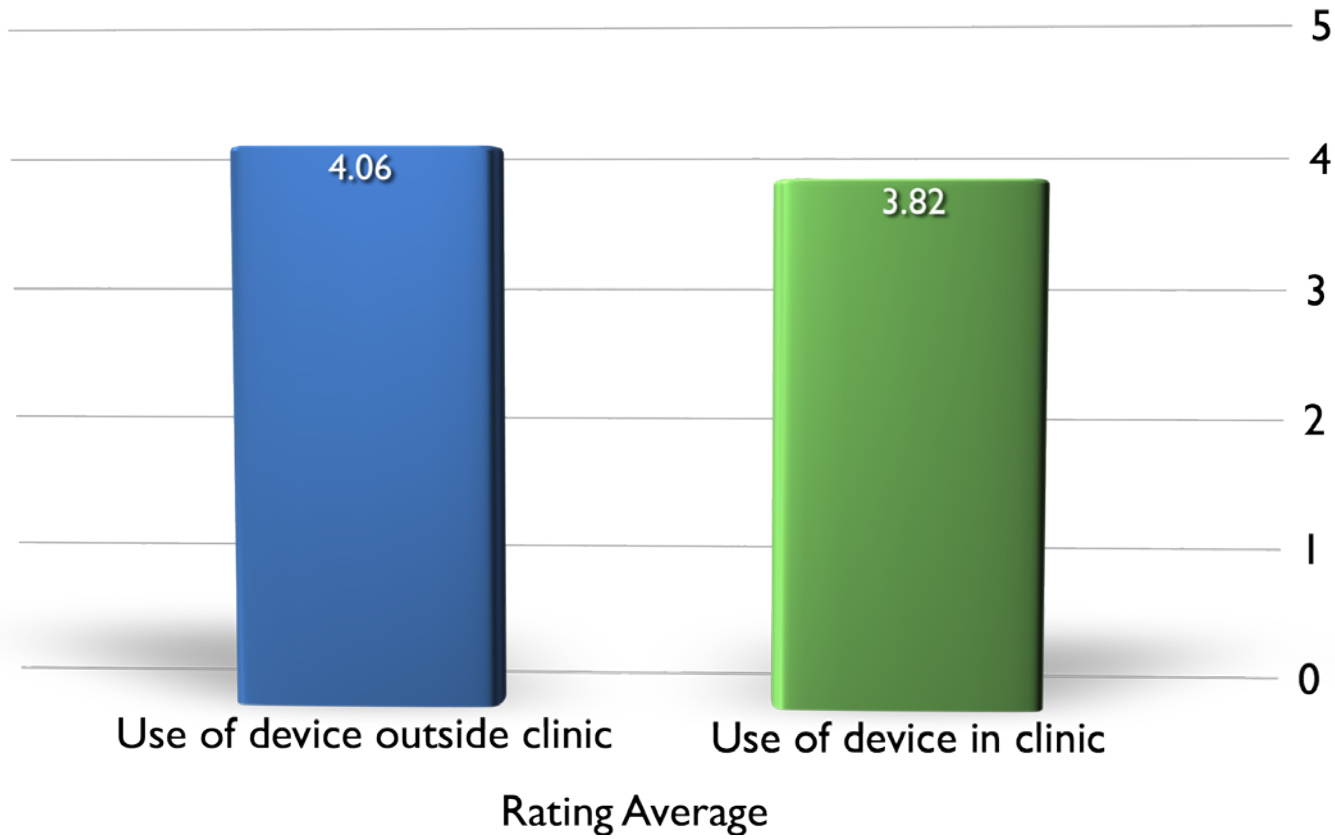
- Increased my enjoyment
- Increased my access to program documentation including schedules and core documents
- Allowed me to access up to date contact information
- Saved time
- Increased my communication with the program

# The following applications/elements helped me to improve my teaching:

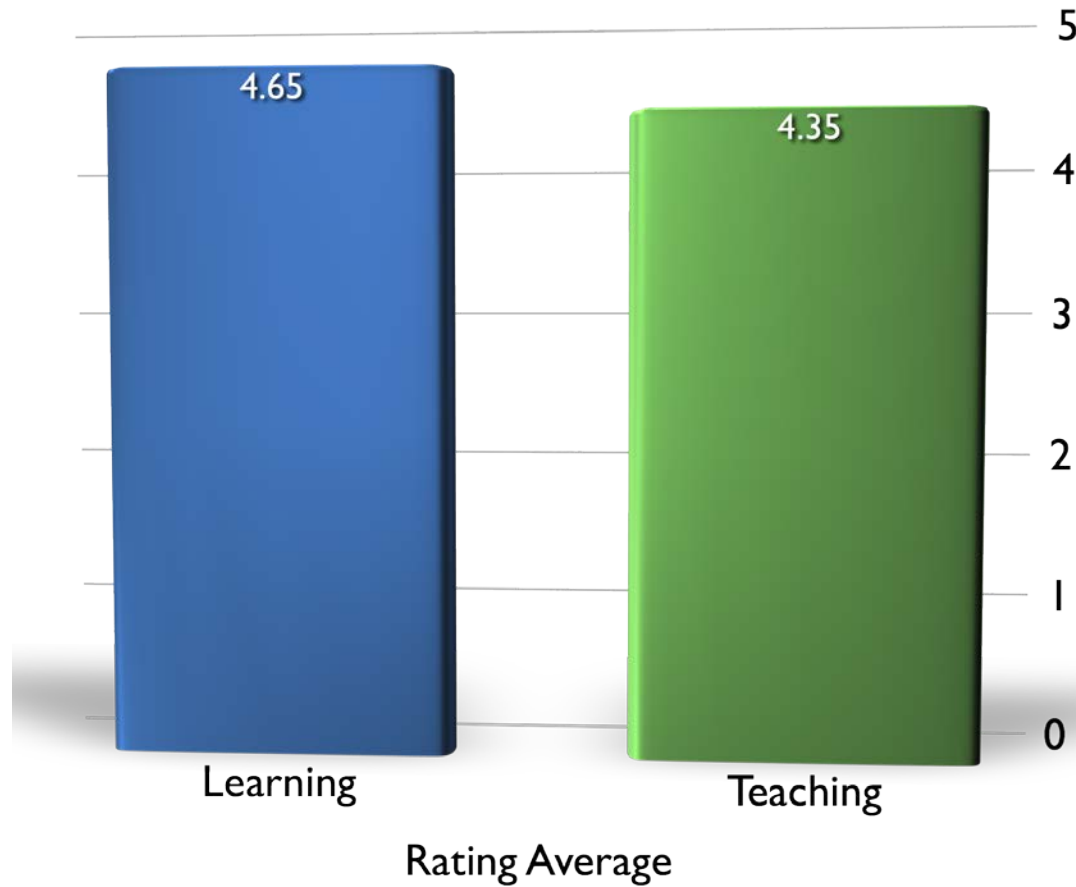


- Pre-installed clinical guidelines
- Pre-installed teaching aids and documentation-centrally updated throughout the year
- List of potential medical apps to purchase
- Pre-installed teaching videos
- Dynamed

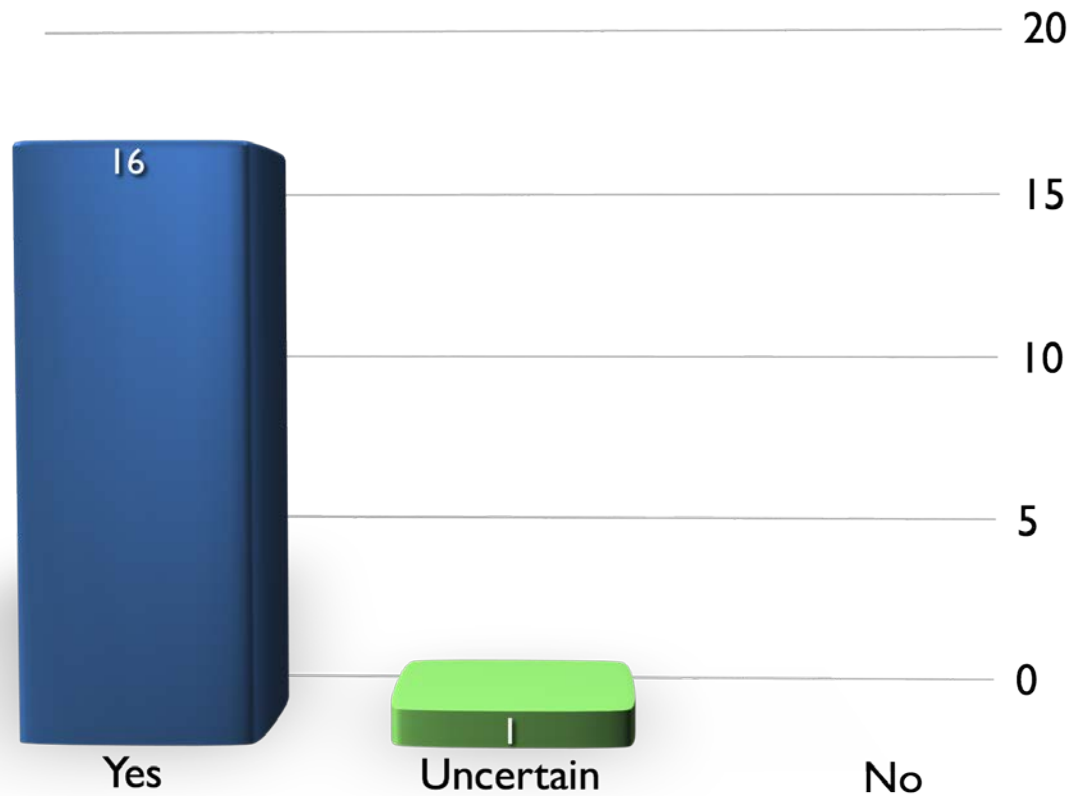
The access to a centrally updated mobile device (iPad) helped to improve CME through:



Overall, how satisfied are you with the iPad for . . .



Would you recommend the program to another colleague in your practice?



# Will preceptor access to a centrally updated mobile device improve:

- Communication with the program?
- Teaching of learners and patients?
- Continuing medical education?
- Efficiency?

# Other applications

- Global Health
- Departmental communication
- Residency communication
- etc.

**Tablets: Toys AND  
Tools!**



# Questions?



Distributed Learning  
and Rural Initiatives  

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More than meets the eye



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