



# A Mobile Application for Direct Observation Evaluation of Dermatology Residents

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# Milestone Evaluations

- More structured and complex evaluations
- Emphasis on direct observation evaluation
- Programs must submit composite milestone data every six months
  - Increased program coordinator burden

# Design Principles

- Fulfill NAS Reporting Requirements
  - Cover all sub-competencies
  - Encourage compliance – make evaluation fast and simple
- Keeping massive amount of data organized
- Provide timely feedback to trainees

# InstantEval Dermatology

- Built on InstantEval
  - Mobile evaluation platform used widely since 2012
  - Co-founded by Dan and Arjun
- Adapted for Dermatology thanks to 2015 AAD Sulzberger Grant
- Free for use by all AAD members

# Try it!

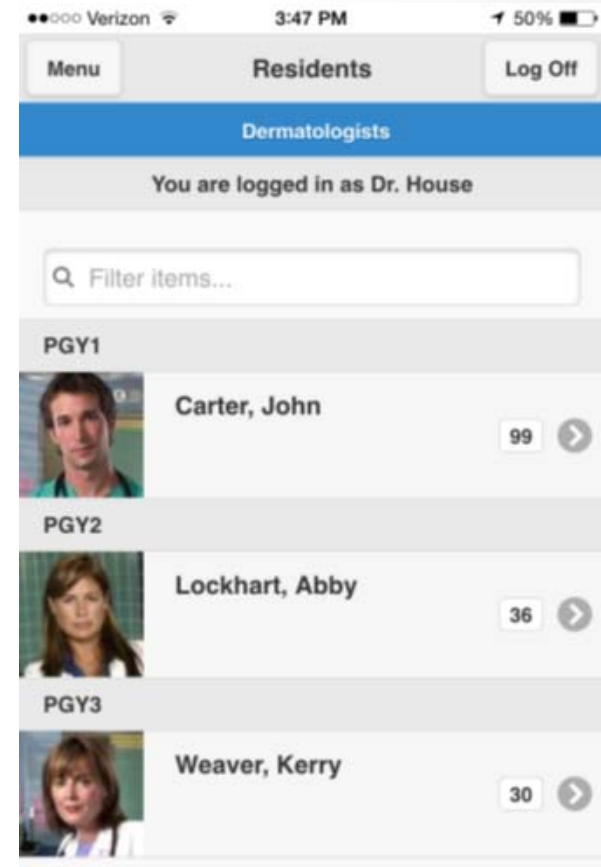
- **derm.instanteval.com**
  - Password: derm

# Key Features

# For the Attending Physician

# Simple and Intuitive Interface

- Instant Search
- Photo Navigation
- Evaluate in 4 Clicks





# Evaluations by Setting

The screenshot shows a web application interface for 'Evaluations by Setting'. At the top left, there is a 'Residents' button with a left-pointing arrow. At the top right, there is a 'Log Off' button. Below these is a header for the current user: 'Resident: John Dorian'. The main content area is a list of evaluation settings, each with a folder icon on the left and a right-pointing arrow on the right. The settings are: 'All Evaluations', 'Clinical Setting', 'Outpatient Clinic', 'Post Clinic', 'Inpatient Consult', 'Mentorship', 'Subspecialty Clinics', 'Pediatrics', 'QA/QI and Teaching', and 'Surgical Skills'.

Residents	Log Off
Resident: John Dorian	
All Evaluations	>
Clinical Setting	
Outpatient Clinic	>
Post Clinic	>
Inpatient Consult	>
Mentorship	>
Subspecialty Clinics	>
Pediatrics	>
QA/QI and Teaching	>
Surgical Skills	>

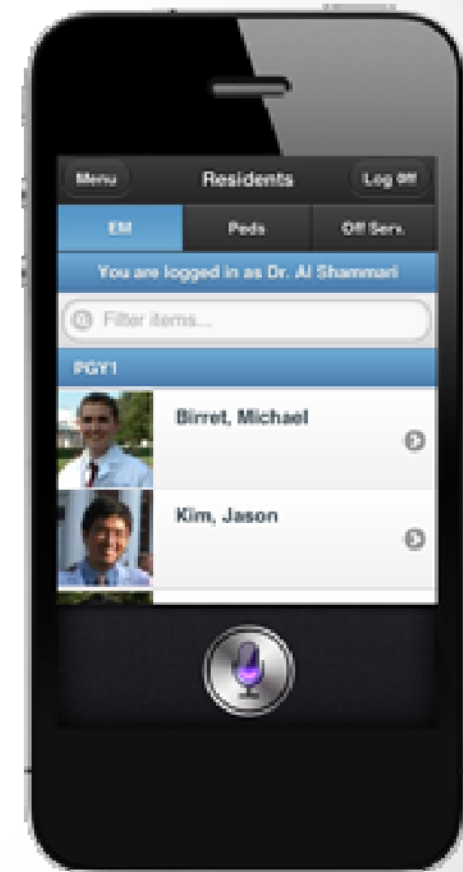
# Completion Indicators

The screenshot displays the 'Evaluations' section of the InstantEval interface. At the top, there are 'Back' and 'Log Off' buttons. Below them is a search bar labeled 'Filter items...'. The main content area is titled 'Surgical Skills' and lists several categories with their respective completion counts. A red box highlights the completion counts for the 'All' category and the 'ICS5. Medical Documentation' category.

Skill Category	Completion Count
All	3
ICS1. Interpersonal skills, communication, rapport	3
ICS5. Medical Documentation	0
MK3. Derm Surg	1
PC6. Surgical Treatment: Intraop techniques	1
PC6. Surgical Treatment: Pre- and post-op	1
PROF3. Patient care is the first priority	2

# Voice Dictation

- Compatible with Siri and Google voice dictation



# For the Trainees

# The “Learn” Module

iPad 7:36 PM 86%

Back Evaluations Log Off

Uses technology to accomplish and document safe healthcare delivery

- Level 1
  - Uses the Electronic Health Record (EHR) to order tests, medications and document notes, and respond to alerts
  - Reviews medications for patients
- Level 1.5
- Level 2
  - Ensures that medical records are complete, with attention to preventing confusion and error
  - Effectively and ethically uses technology for patient care, medical communication and learning
- Level 2.5
- Level 3
  - Recognizes the risk of computer shortcuts and reliance upon computer information on accurate patient care and documentation
- Level 3.5
- Level 4
  - Uses decision support systems in EHR (as applicable in institution)
- Level 4.5
- Level 5
  - Recommends systems re-design for improved computerized processes

Comments and Plan for Improvement

John has done a much better job completing his charts on time recently- they are also very thorough. Although he is still figuring out the "ins and outs" of Epic, he could benefit from utilizing more smart phrases and macros to accelerate the completion of his procedure and discharge notes.

# For the Program Director

# Powerful Administrative Dashboard

**InstantEval  
Dermatology**

Logged in as InstantEval Admin | [Sign Out](#)

- Home
- Evaluation Indicators
- Attending Physicians
- Resident Physicians
- Specialties
- System Administrators
- Categories (Competencies)
- Surveys (Sub-Competencies)
- Change Password

## Evaluations Currently in System

Last survey recorded on: September 17, 2015, 4:25 pm

Total responses in system: 401

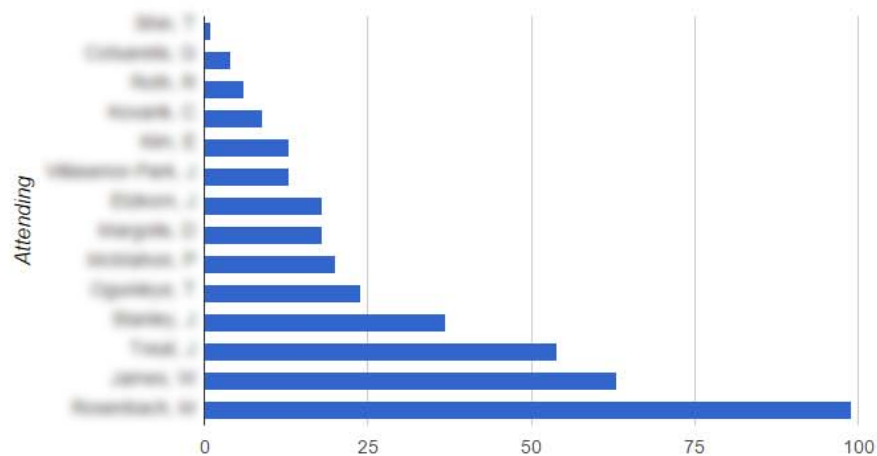
[Download Data](#)

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Showing all data in the system

### Number of Evaluations by Attending

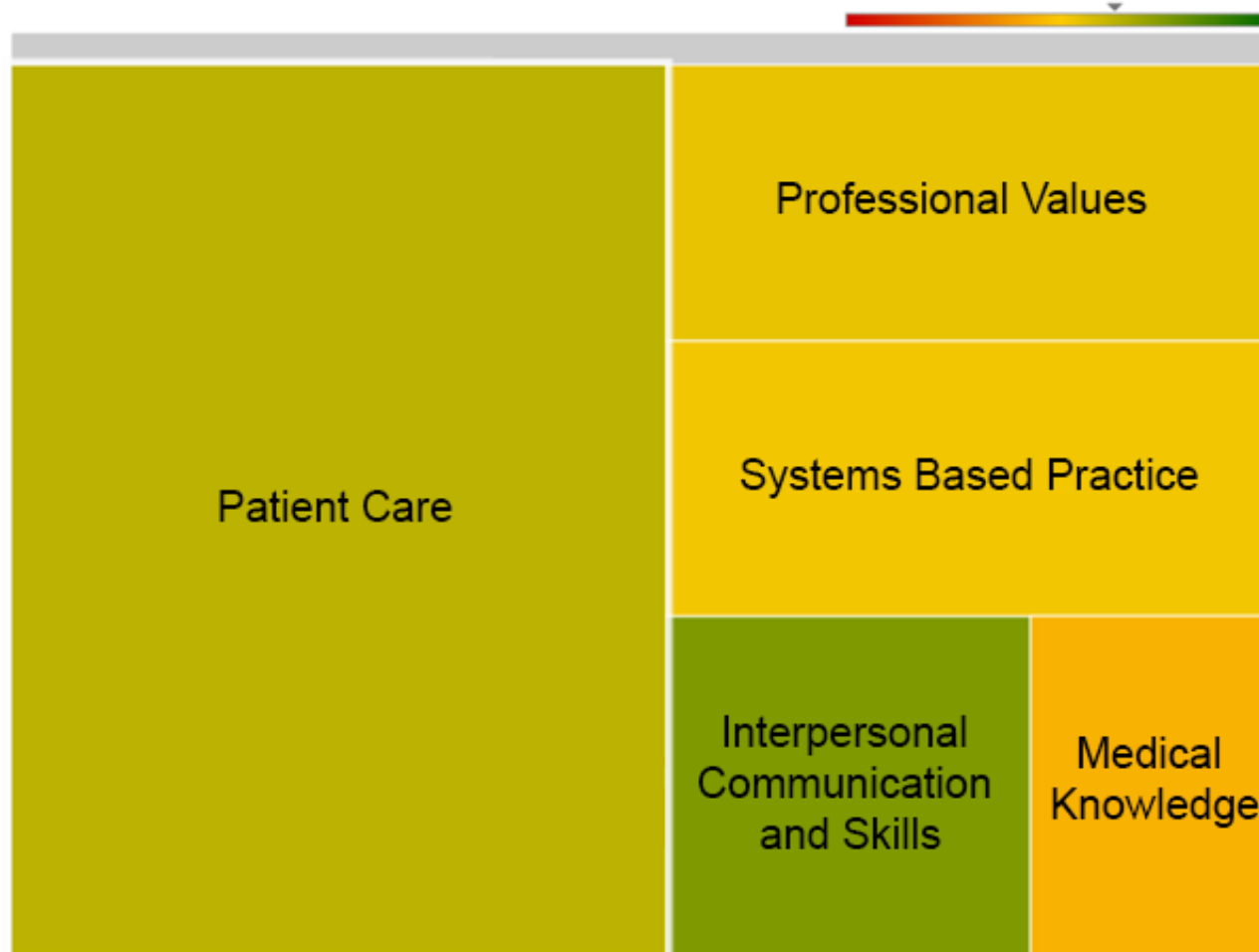


# Interactive Heat Maps

## JOE DOE (PGY2)

Size depicts the number of evaluations. Color depicts the average milestone score (1-5).

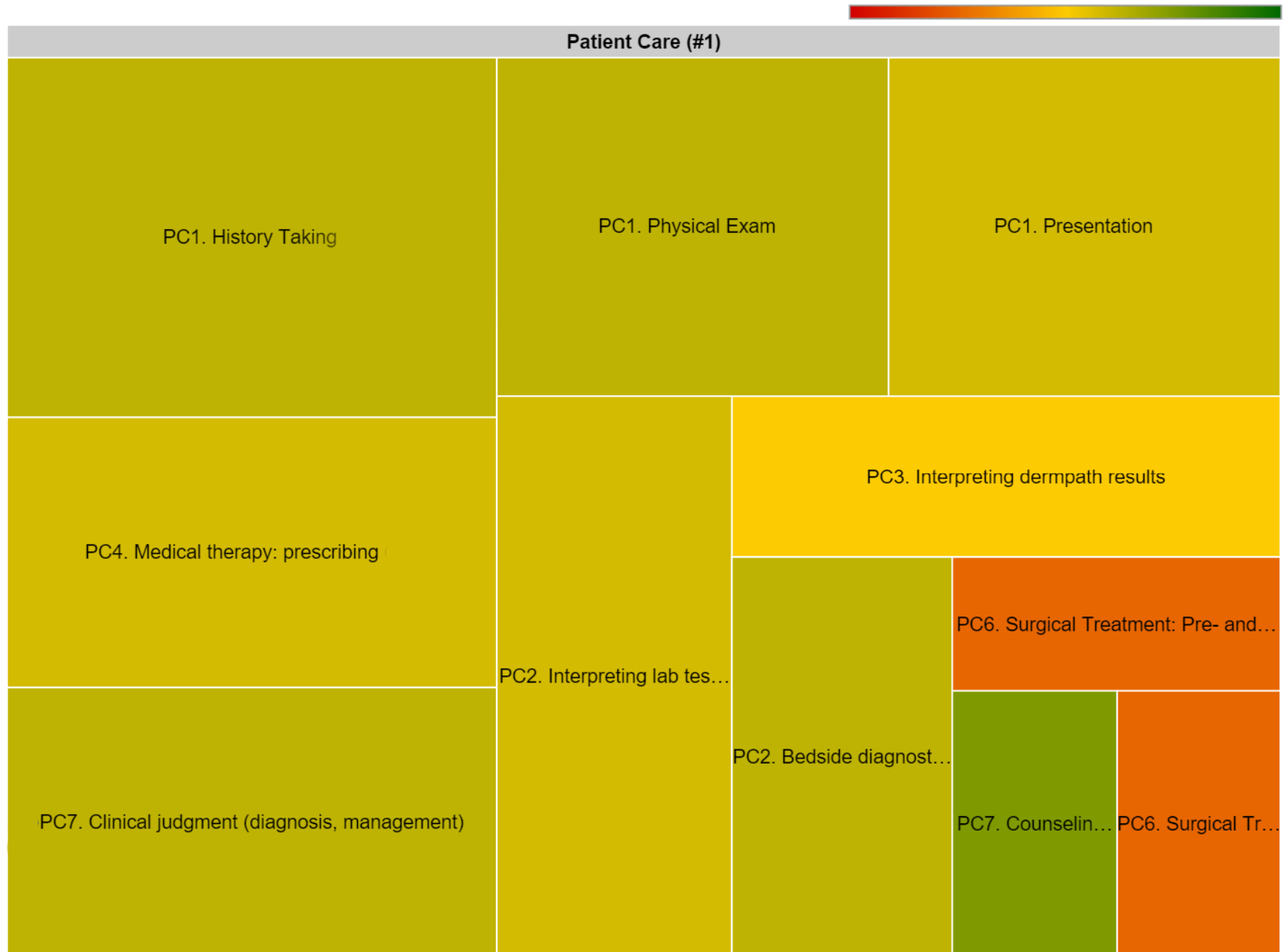
Left click a rectangle for more details. Right click for less details.



Patient Care (#0): 14 evaluations. Average score: 3.54



Left click a rectangle for more details. Right click for less details.



Patient Care (#1): 26 evaluations. Average score: 3.31

# Data Export

Summary - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

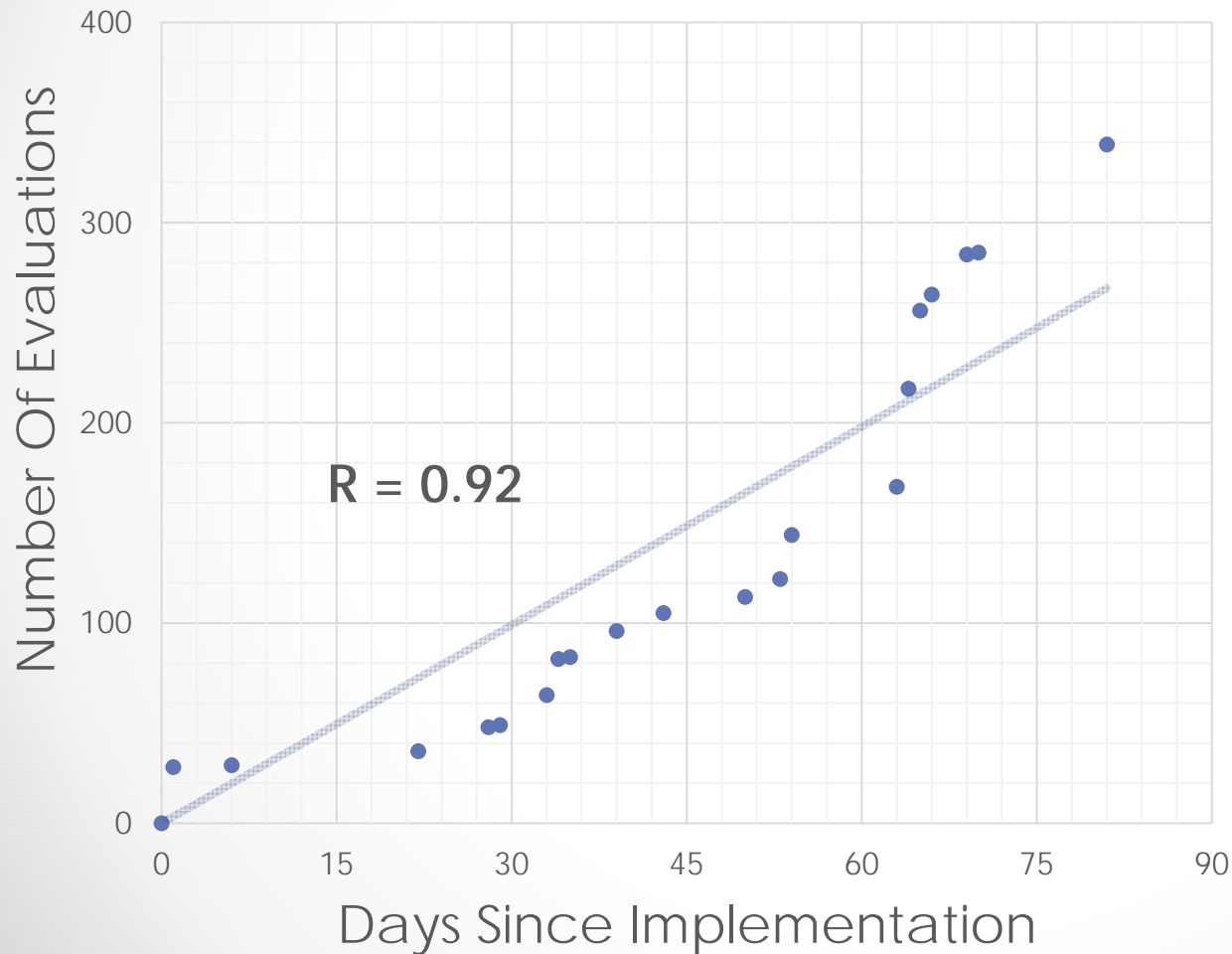
Q1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	Last Name	First Name	Evaluation Category	Evaluation Title	Avg. Level	Number of Evaluations	Level 1	Level 2	Level 3	Level 4	Level 5				
2	Carter	John	Patient Care	Airway Management	3	1	0	0	0	0	1	0	0	0	0
3	Carter	John	Patient Care	General Approach to Procedures	3.5	3	0	0	0	1		1	1	0	0
4	Carter	John	Patient Care	Multi-tasking (Task-switching)	2	4	0	2	2	0	0	0	0	0	0
5	Carter	John	Patient Care	Performance of Focused History and Physical Exam	3	1	0	0	0	0	1	0	0	0	0
6	Carter	John	Patient Care	Vascular Access	3	5	0	0	1	0	3	0	1	0	0
7	Carter	John	Medical Knowledge	Medical Knowledge	4	2	0	0	0	0	0	0	2	0	0
8	Carter	John	Professional Values	Accountability	3.5	1	0	0	0	0	0	1	0	0	0
9	Carter	John	Professional Values	Professional Values	3.5	2	0	0	0	0	1	0	1	0	0
10	Carter	John	Interpersonal Communication and Skills	Team Management	3	2	0	1	0	0	0	0	0	1	0
11	Carter	John	Practice-Based Learning and Improvement	Practice-based Performance Improvement	2.5	1	0	0	0	1	0	0	0	0	0
12	Carter	John	Systems Based Practice	Patient Safety	4	2	0	0	0	0	0	0	2	0	0
13	Dorian	Steve	Patient Care	Diagnosis	3.5	1	0	0	0	0	0	1	0	0	0
14	Dorian	Steve	Patient Care	Disposition	2	4	0	2	0	2	0	0	0	0	0
15	Dorian	Steve	Patient Care	General Approach to Procedures	3.5	1	0	0	0	0	0	1	0	0	0
16	Dorian	Steve	Patient Care	Multi-tasking (Task-switching)	2	2	0	1	0	1	0	0	0	0	0
17	Dorian	Steve	Patient Care	Performance of Focused History and Physical Exam	2.5	1	0	0	0	1	0	0	0	0	0

SUMMARY

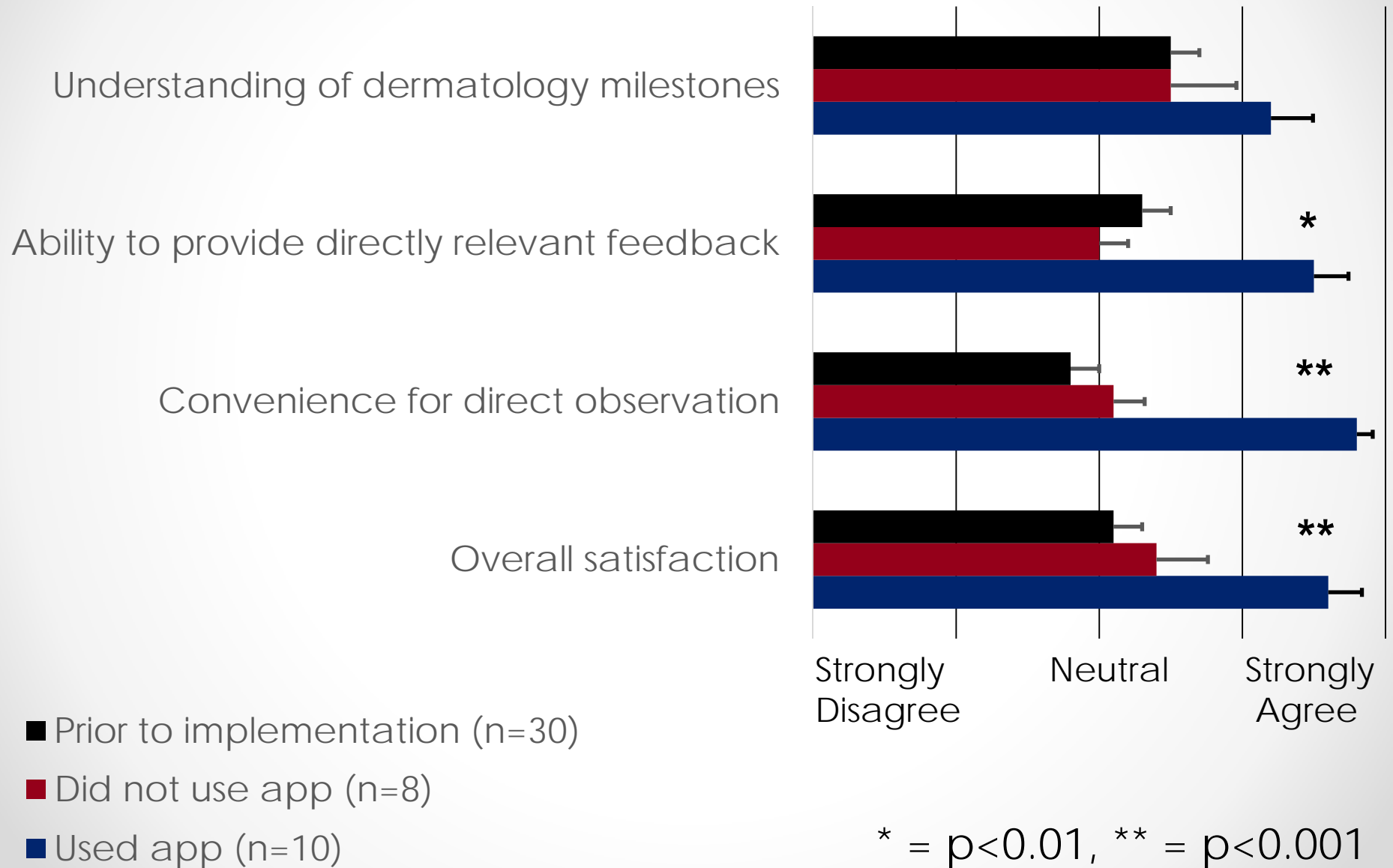
READY 120%

# Penn Usage Data



- **375** evaluations in **90** days
- **18** dermatology residents at Penn
- **30** evaluations submitted per week
- **42** evaluations / resident (6 month projection)

# Penn Faculty Survey



Try it!

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