# Using a New Smartphone App to Document Milestones and Augment Resident Evaluation

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# Disclosure

- Roger and Keith are owners of MedEdTrack, LLC and have a financial interest in the company

- The smartphone app that will be demonstrated is for sale by MedEdTrack, LLC

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# Learning Objectives

1. Discuss the importance of the milestones as a measure of resident competency
2. Identify ideal attributes of a milestone evaluation tool from a faculty perspective
3. Identify ideal attributes of a milestone evaluation tool from a resident perspective
4. Use the app for meaningful resident feedback and milestone documentation

# Who are we?



**Roger Musa, MD**
Program Director



**Keith Werstler, MD**
Associate Director

# Importance of the Milestones For Residents

- Provides national standards to assess and track the development of resident competency
- Provides discreet, observable events to assess resident competency
- Provides a "grading system" to measure the level of attainment a resident has achieved
- All residencies are required to report resident levels of attainment twice yearly

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# Limitations of the Milestones and Measurement

- Positive events of achievement but may lack formative feedback to improve
- Too many milestones to remember
- Can be unwieldy to document milestones
- Can be a collation nightmare for the CCC
- Does not solve the difficulty of completing the feedback loop to affect resident change

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# Purpose of Milestones For Programs

- Provide a descriptive roadmap for training
- Increase transparency of performance requirements
- Encourage informed self-assessment and self-directed learning
- Facilitate better feedback to the resident

# Purpose of Milestones for Programs

- Guide curriculum and assessment tool development
- Provide meaningful framework for the Clinical Competency Committee (CCC)
- Provide more explicit expectations of residents
- Enhance opportunity for early identification of under-performers

# 2016 Milestones Annual Report Recommendations

- It is generally better to have a comprehensive "system" of milestone assessment rather than an ad hoc collection of disparate assessment tools
- It appears to be most effective if residents are engaged in the collection of their performance data so they can more readily respond to areas of improvement
- The process needs to be reasonable and easy to do

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# What qualities would make for an ideal milestone tool from a **faculty** perspective?

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# Ideal Evaluation Tool from Faculty Perspective

- Easy and fast
- Tool is always available
- Observations made in real-time
- All milestones are available and recordable
- Tool eliminates the need to memorize milestones
- Provides meaningful narrative for qualitative feedback and provides quantitative data

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# Ideal Evaluation Tool from Faculty Perspective

- Tool provides meaningful feedback to faculty prior to submission of an observation to eliminate unnecessary work
- Each direct observation feeds a summative milestone "report card" that is always up-to-date
- Valuable, formative feedback can be submitted without credit for a milestone
- Tool automatically completes the feedback loop to the resident
- Provides information about program gaps

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# What qualities would make for an ideal milestone tool from a **resident** perspective?

# Ideal Evaluation Tool from Resident Perspective

- Provides immediate quantitative and qualitative feedback
- Always available, fast and convenient
- Can review an up-to-date "report card" and all past observations and feedback
- Can review what milestones are needed to reach the next level of attainment for each sub-competency

# Demo

# App Lessons Learned

- A milestone search feature was needed to give access to all milestones
- A mechanism was needed to report formative feedback without changing the resident report card
- The program should decide what determines milestone competency (one size does not fit all)

# CCC Lessons Learned

- The Milestones app data is the focal point of determining competency
- Evaluation tools that map directly to the Milestones help streamline the process for CCC members, saving work and time
- A tool that provides a Milestone "report card" allows focused resident discussion
- A tool that provides a Milestone "report card" allows faculty to identify program needs and gaps
- Faculty members need occasional reinforcement and encouragement to use the app

# Contact Us

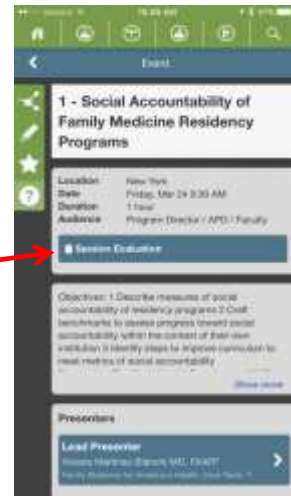Keith Werstler
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