

# Simulation: Teaching Clinical and Critical Thinking

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## Incorporating simulation into educational curriculum

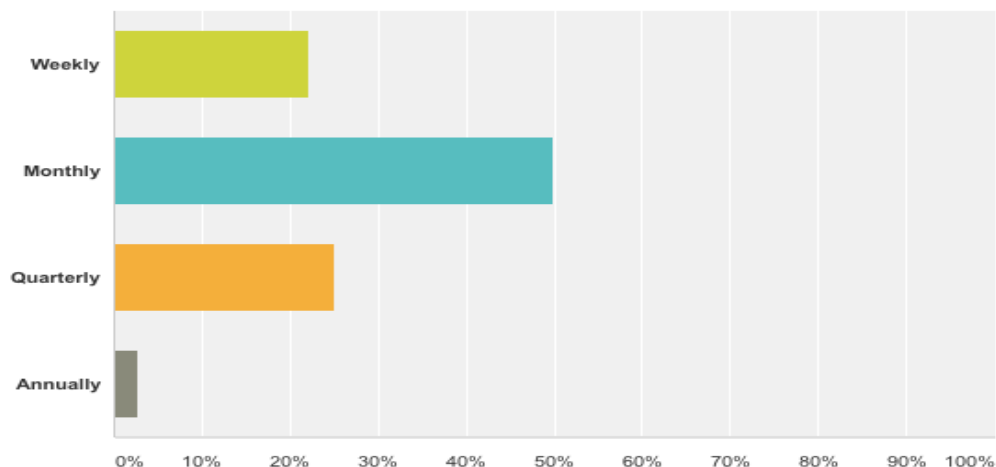
- Simulation as a way to deliver both core-content knowledge base and behavior
  - Procedural training
  - Decision making
  - Teamwork training
- Identify needs assessment at your institution
- Consider resources available at your institution
  - Simulation modalities (partial task trainers, high fidelity simulators, actors, hybrid)
- Incorporate evaluation early in course development
  - Competency culture necessitates integrated assessment
- Debriefing and deliberate practice should help learners self-identify needs
  - Consider varying simulation methods: rapid cycle debriefing, pause and discuss, end case debriefing
- Faculty development: technical, debriefing, assessment

## Current simulation practices in EM residency programs

- 85 of 161 programs responded to CORD survey on Simulation Curriculum (February/March 2015)
- 100% of those respondents said they utilized simulation within their curriculum

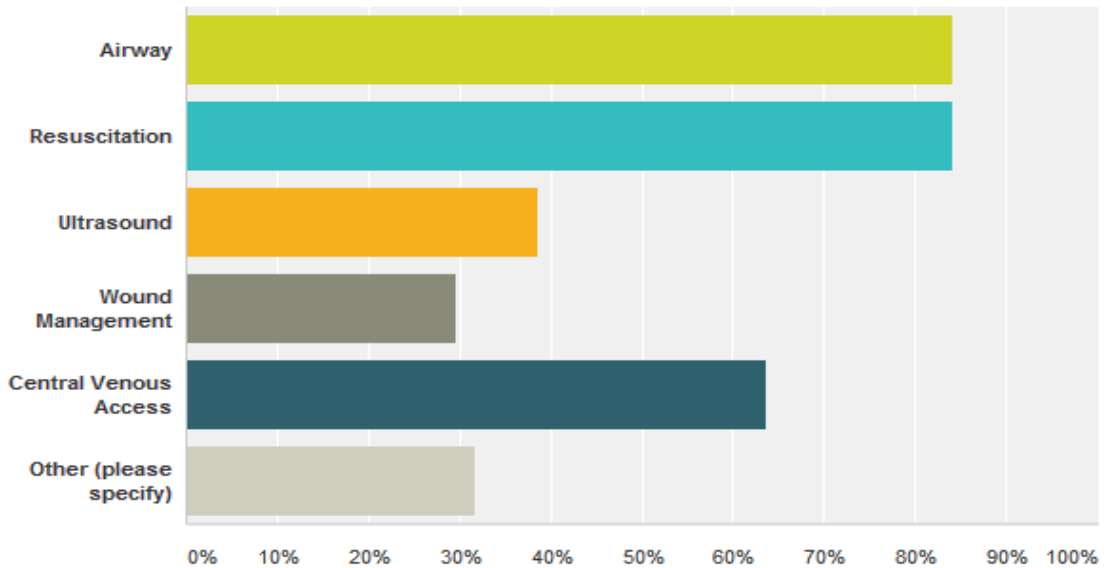
### How frequently do you have simulation activities for the residents?

Answered: 72 Skipped: 17



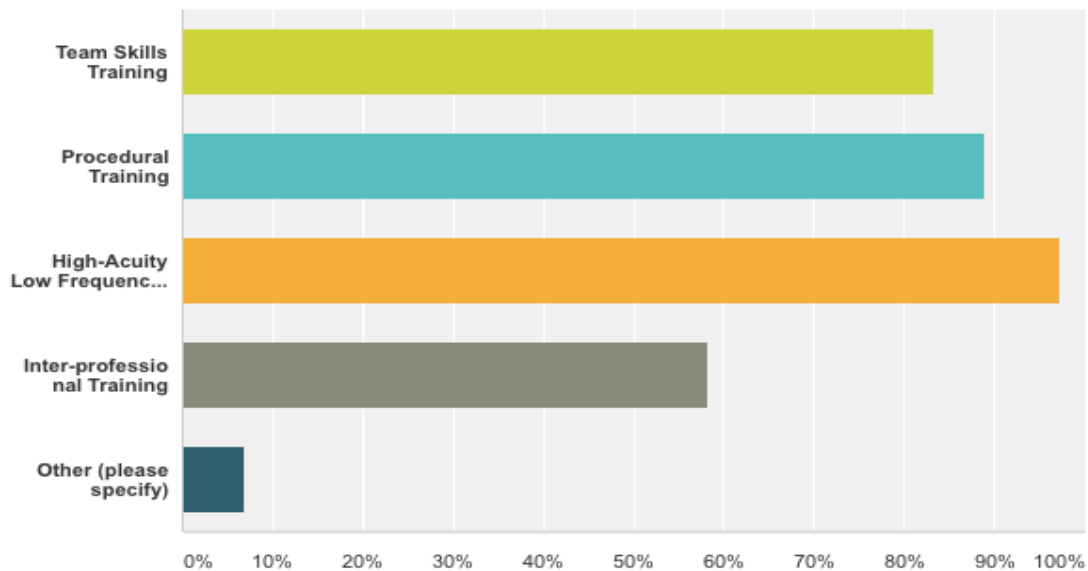
## Current simulation practices in EM residency programs

- Simulation as a milestone assessment tool
  - 39% No
  - 63% yes
- Of those programs utilizing simulation as a milestone assessment tool what competency domains were most often assessed



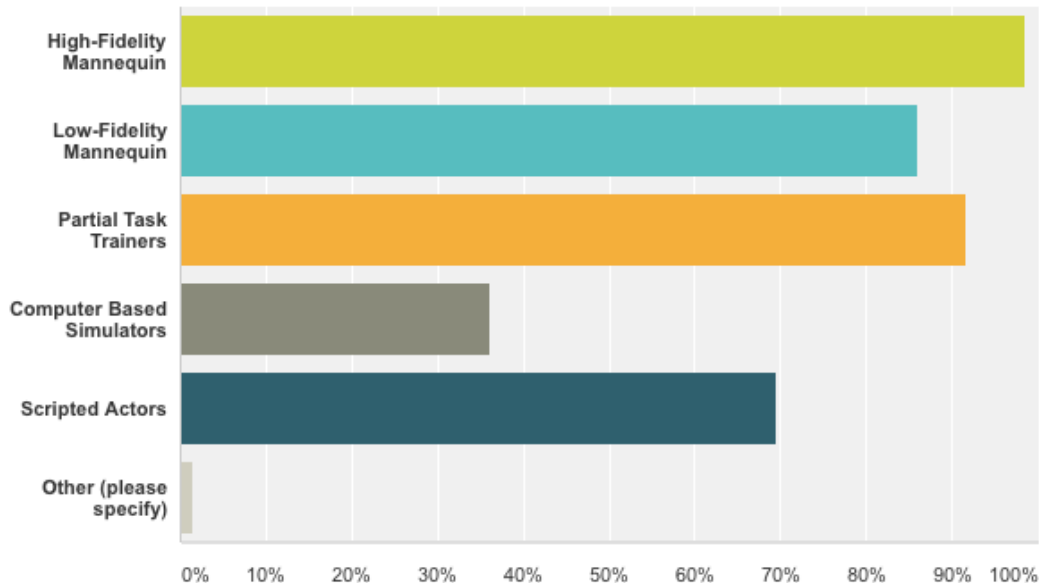
### Which of the following best describes your simulation curriculum? (select all that apply)

Answered: 72 Skipped: 17



## Which of the following simulation resources do you have at your institution? (select all that apply)

Answered: 72 Skipped: 17



### Teaching cognitive knowledge with simulation

Debriefing is a key component. Utilize debriefing with “good-judgment.”  
Consider learner  
Experiential Learning theory as a motivator for self-identified learning

### “Best Practices” in EM residency programs

Based on survey data in February/March 2015

- Oversight committee
- Formal training in debriefing for simulation director with faculty development procedures in place
- Graded simulation curriculum with varying goals at each level
- In-situ Simulation

### Common Challenges

Based on CORD survey data February/March 2015

- Time for both residents and faculty
  - Monetary support, Staff/Equipment
- Interdisciplinary cases, nursing involvement