



# Recognition of Wrong Patient Errors in a Simulated Computerized Provider Order Entry System

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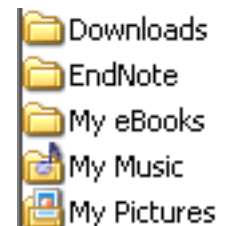
# Disclosure

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- None
- Acknowledgements:
  - Work began at University of Rochester

# Background/Hypothesis

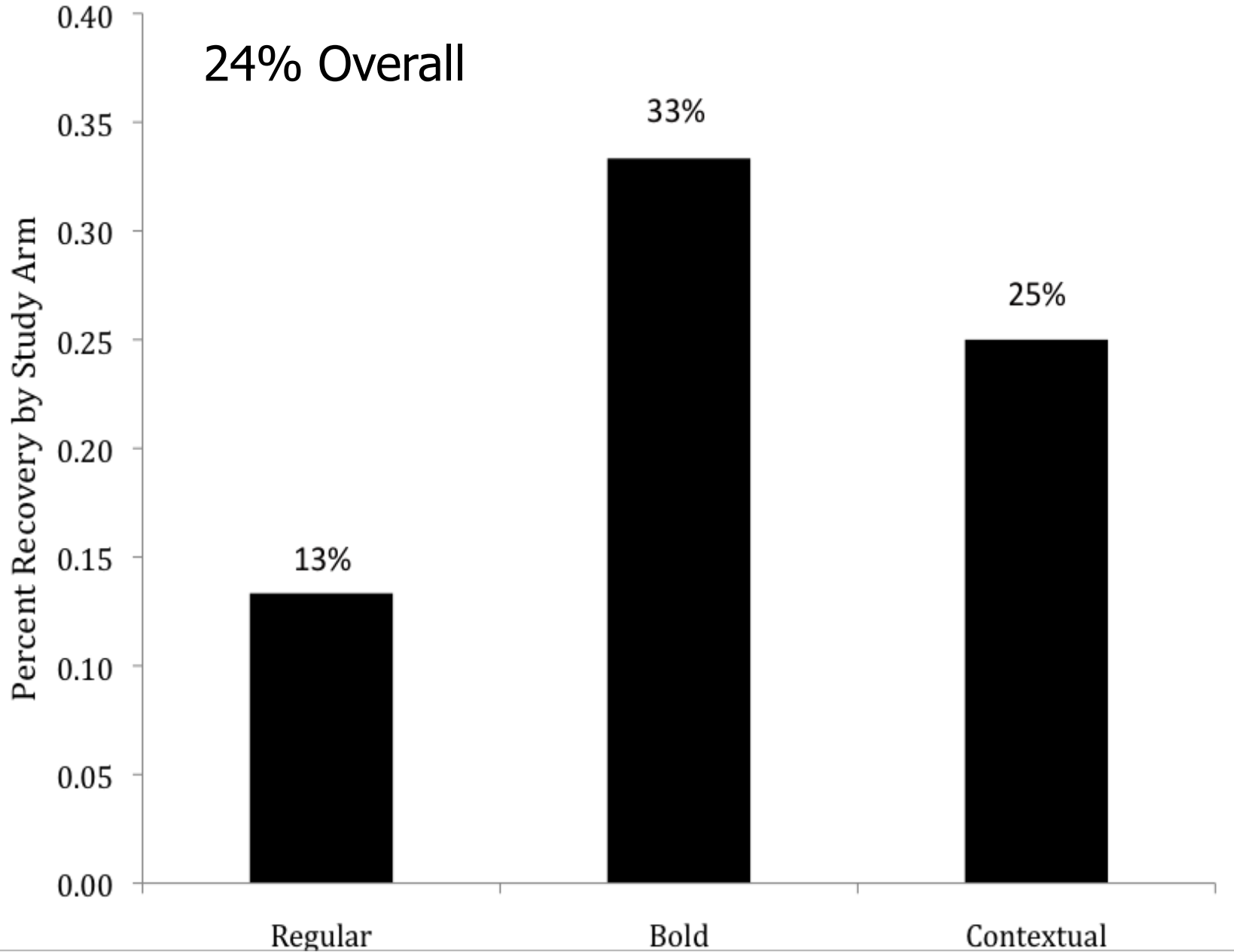
- Computerized provider order entry (CPOE) systems
  - Potential to improve patient care
  - Interface design & error rates
- The addition of contextual information to a CPOE interface improves provider recovery from “wrong-patient” errors for ED radiology orders

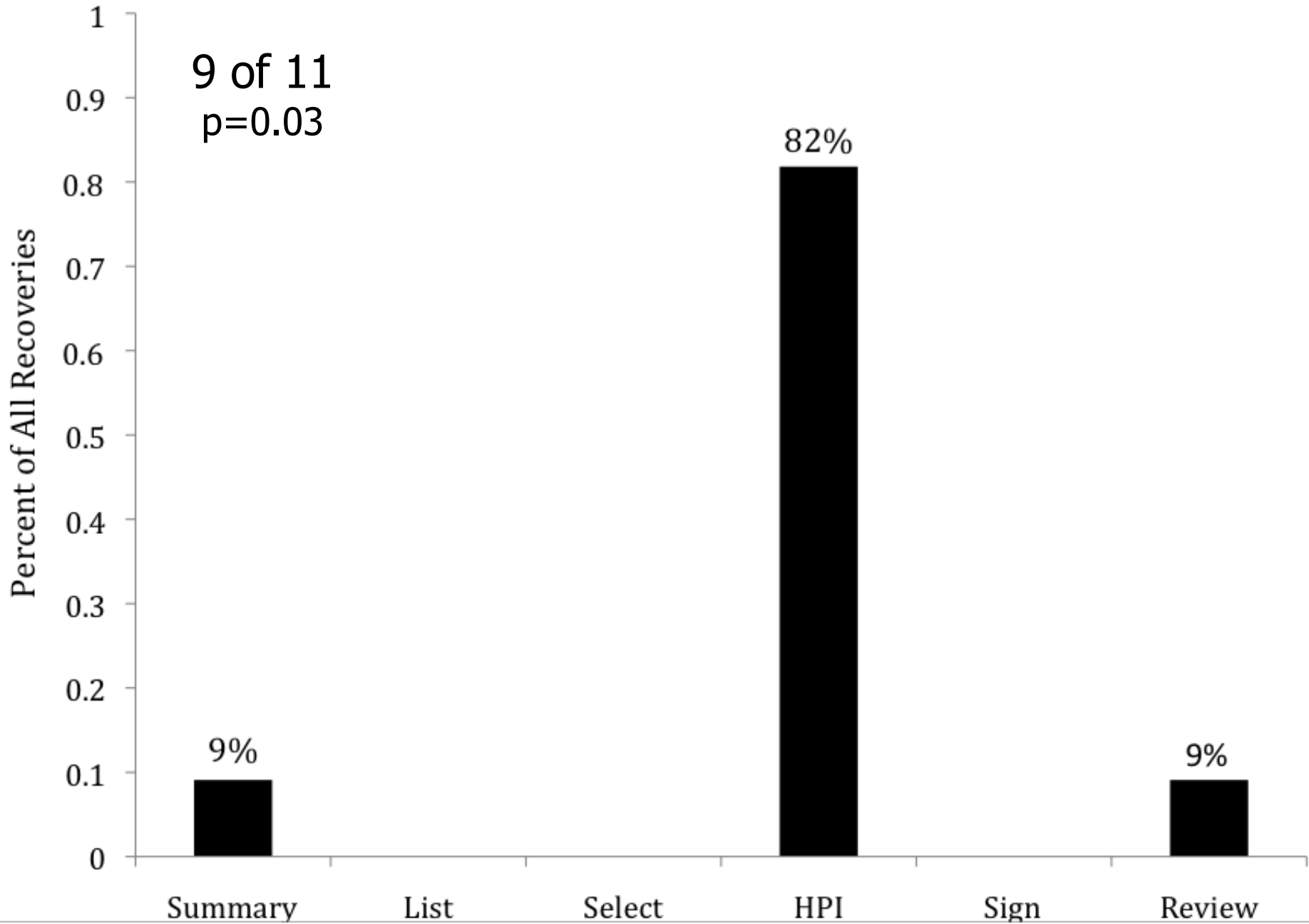


# Methods

- 46 EM Providers
- Randomly assigned to three arms
  - 1) Standard
  - 2) Bolded
  - 3) Contextual Information
- Between-subjects design
  - 3 scenarios, 3<sup>rd</sup> introduced error
- Outcome measures in Simulated System
  - 1) Recovery from the error
  - 2) Time interval from start to recovery
  - 3) Step in the ordering process at which recognition occurred

24% Overall





# Conclusion

- 76% of providers did not recognize the occurrence of wrong-patient selection error
  - Recovery took place significantly more often in the data entry phase
- No significant impact from the addition of contextual information in this pilot study
- Further study is needed to determine the most effective intervention to reduce the wrong-patient selection errors

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