

Attitudes and Readiness for Adoption of an Electronic Medical Records System: A Preliminary Case Study

Introduction

We present preliminary study results of future EMR users assessing the impact of EMR adoption at a major academic medical center on:

- record-keeping
- clinical and organizational practices
- work efficiency
- patient care

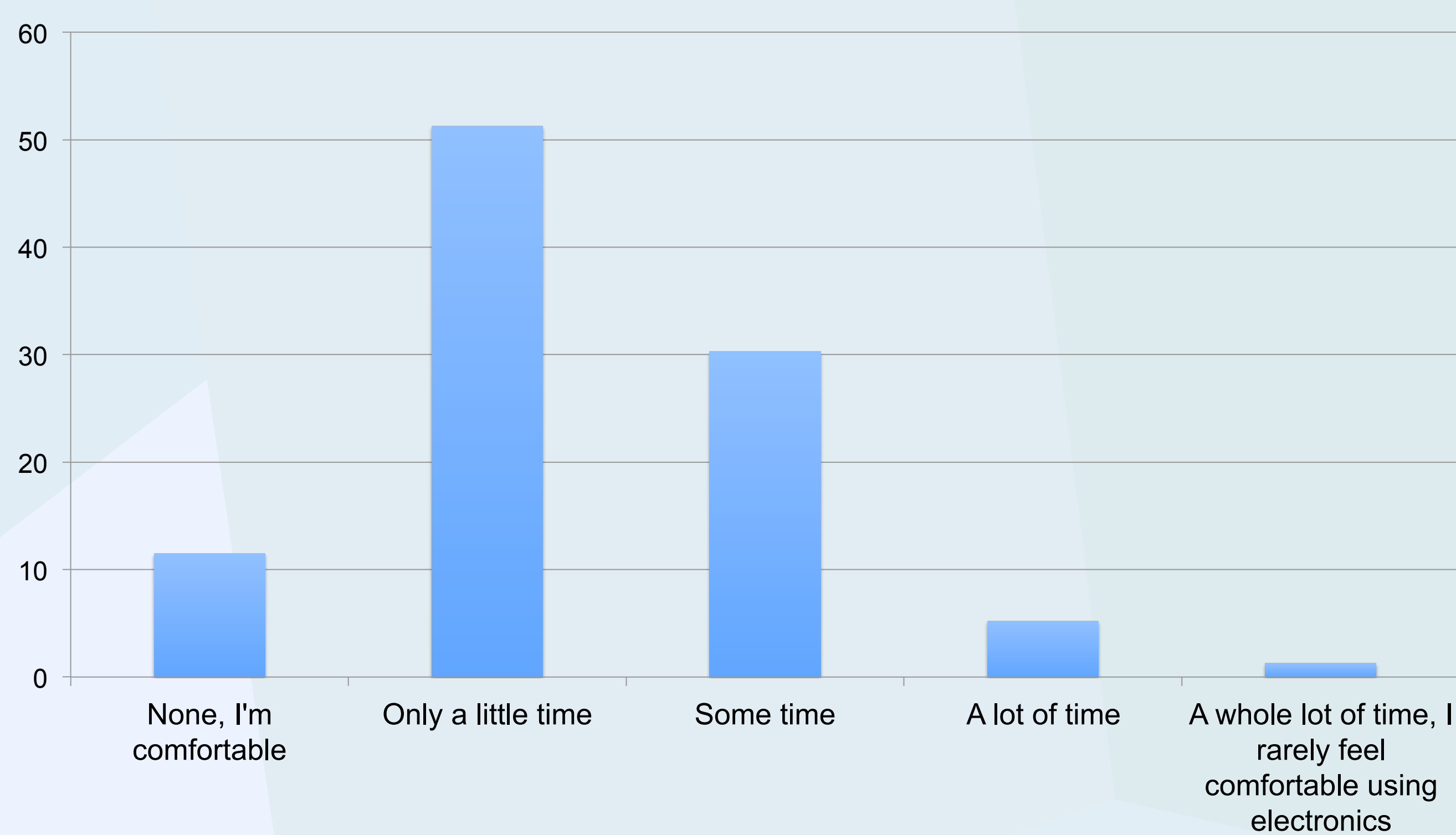
Methods & Demographics

Our conceptual model for facilitators and barriers to implementation and adoption informed by literature on EMR deployments, HIT adoption, and morale and change in hospital settings drove the development of our survey instrument.

Baseline Survey

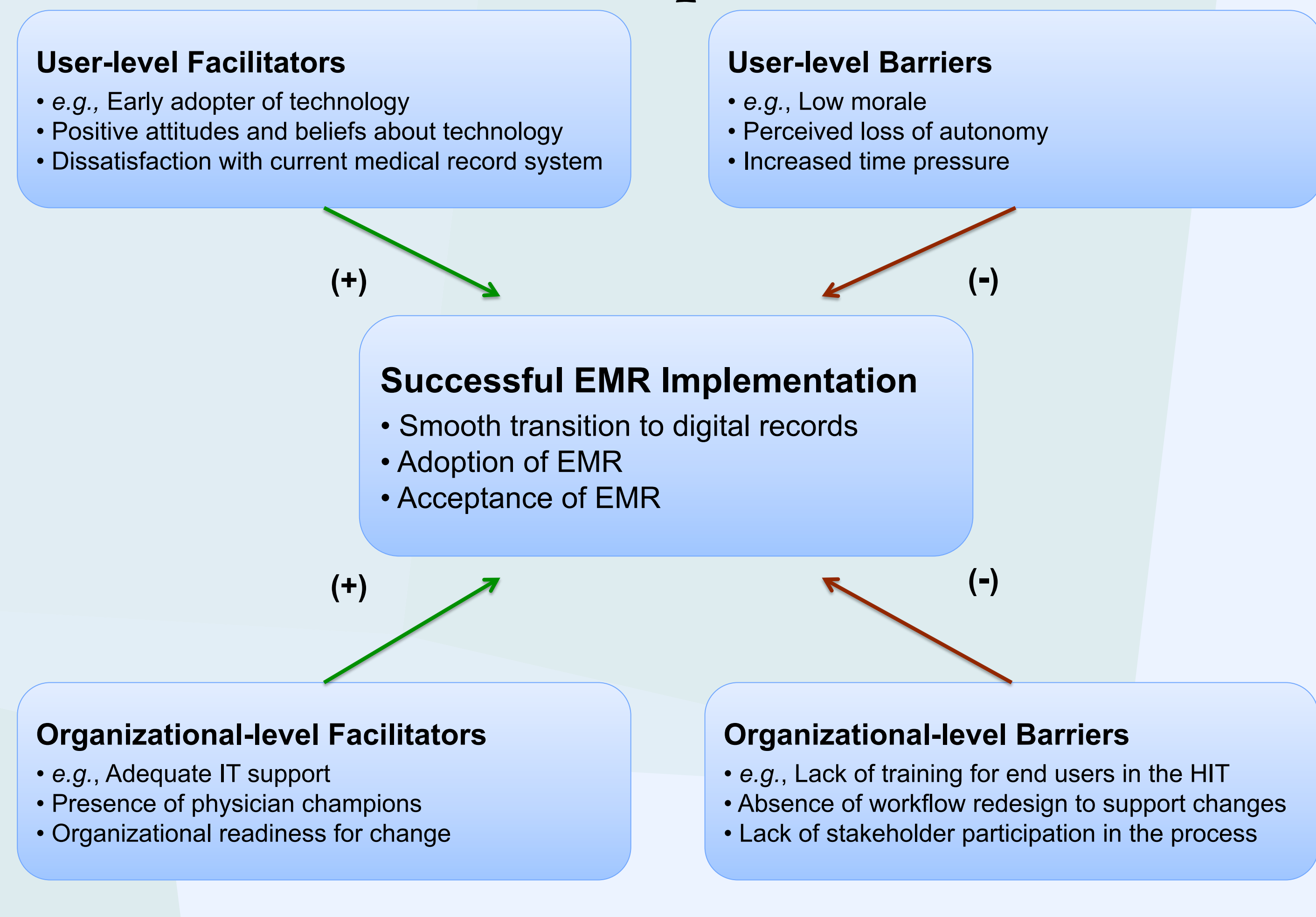
- Administered September 2009, prior to deployment of new EMR system
- 15-minute online survey, 19 questions
- n = 789

Comfort with Electronic Devices



Reponses in percent to the question "How much time does it usually take you to feel comfortable using new electronic devices?"

Model for EMR Adoption



Findings

Comfort with Electronic Devices

- 20% are "early adopters"
- 52% take "only a little time" to learn about new technologies
- 38% are eager to try new technologies after others report success

Technology at Work

- Participants report using a wide variety of technology
- 84% use email very often
- 67% have never used a PDA or SmartPhone at work

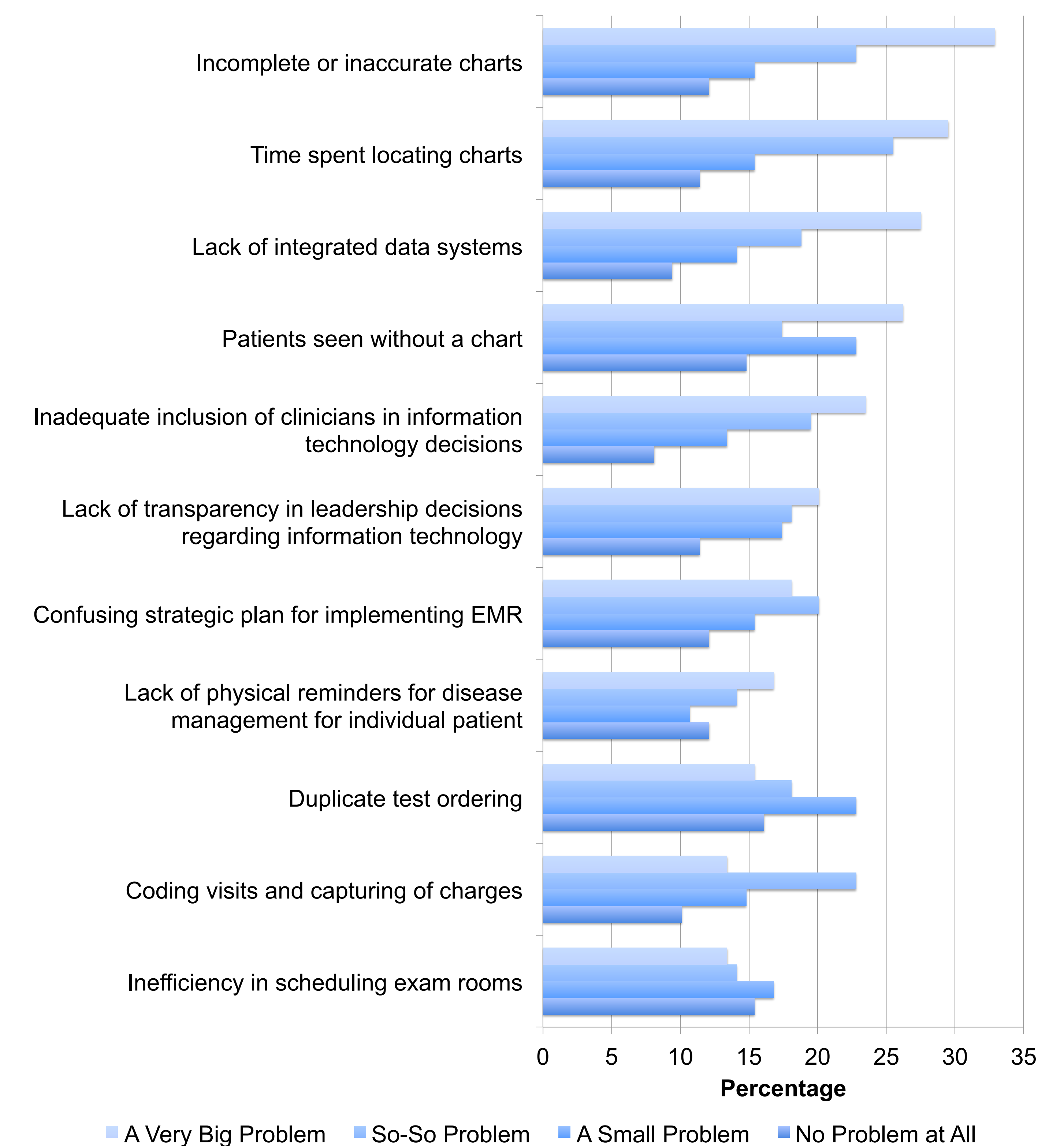
Current Challenges

- Incomplete or Inaccurate Charts
- Time Spent Locating Charts
- Lack of Integrated Systems
- Patients Seen without Charts

Conclusion

- Survey data confirms observations that personnel are prepared for and optimistic about this transition
- Data reported here represent only one aspect of the overall EMR project
- Follow-up surveys will be administered every 6 months

Current Problems at UniHospital



Reported problems in current work practices and tools, ordered by severity.

Contact Information

Jed R. Brubaker
Yunan Chen
Chris Combs
Sidney Harrison
Gillian R. Hayes
Department of Informatics
University of California, Irvine

Karen Cheng
Department of Psychiatry
Charles Drew University

Sheba George
Ctr. for Biomedical Informatics
Charles Drew University

Sherrie Kaplan
Ctr. for Health Policy Research
University of California, Irvine

