

# 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

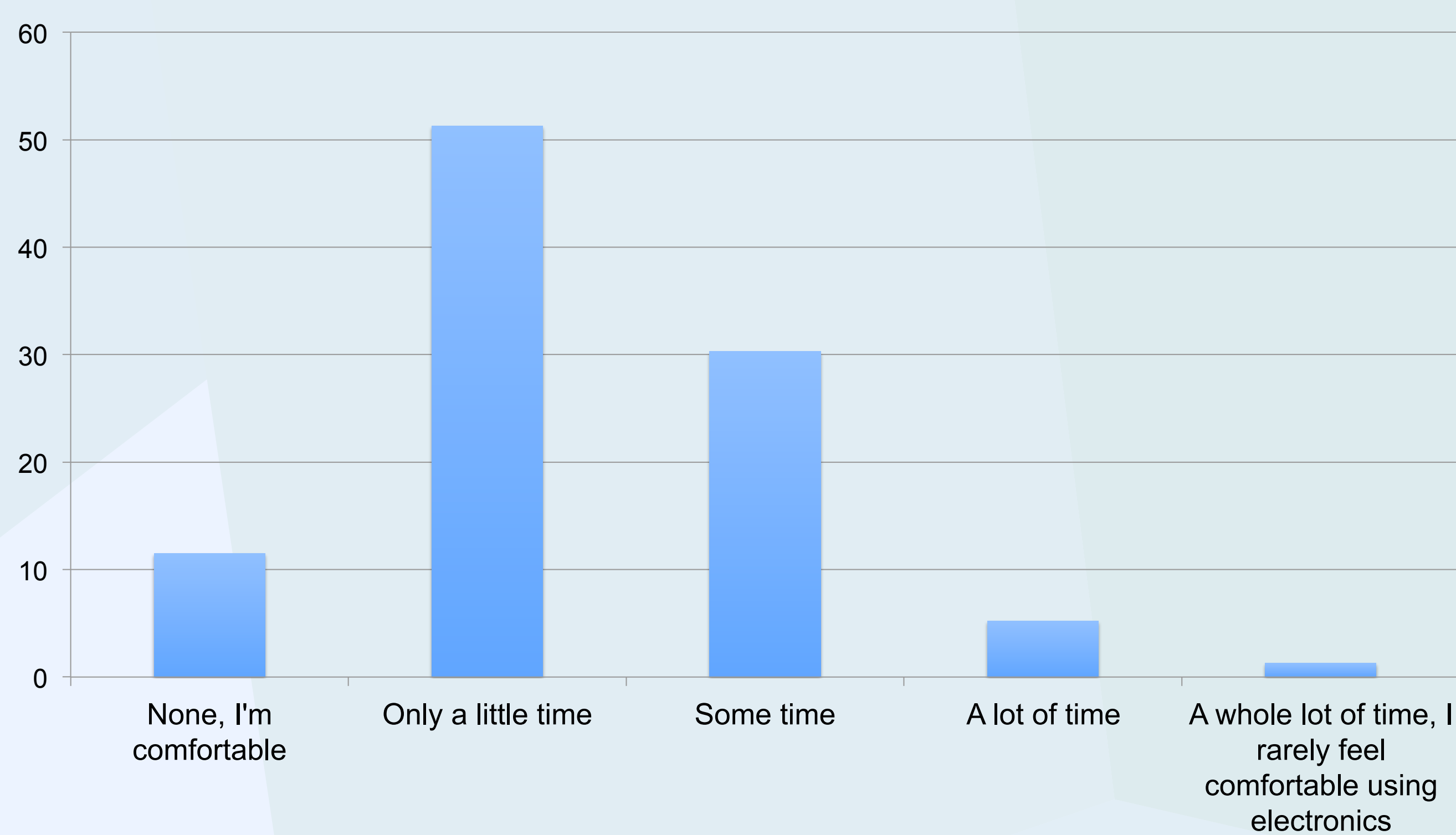
## Methods & Demographics

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

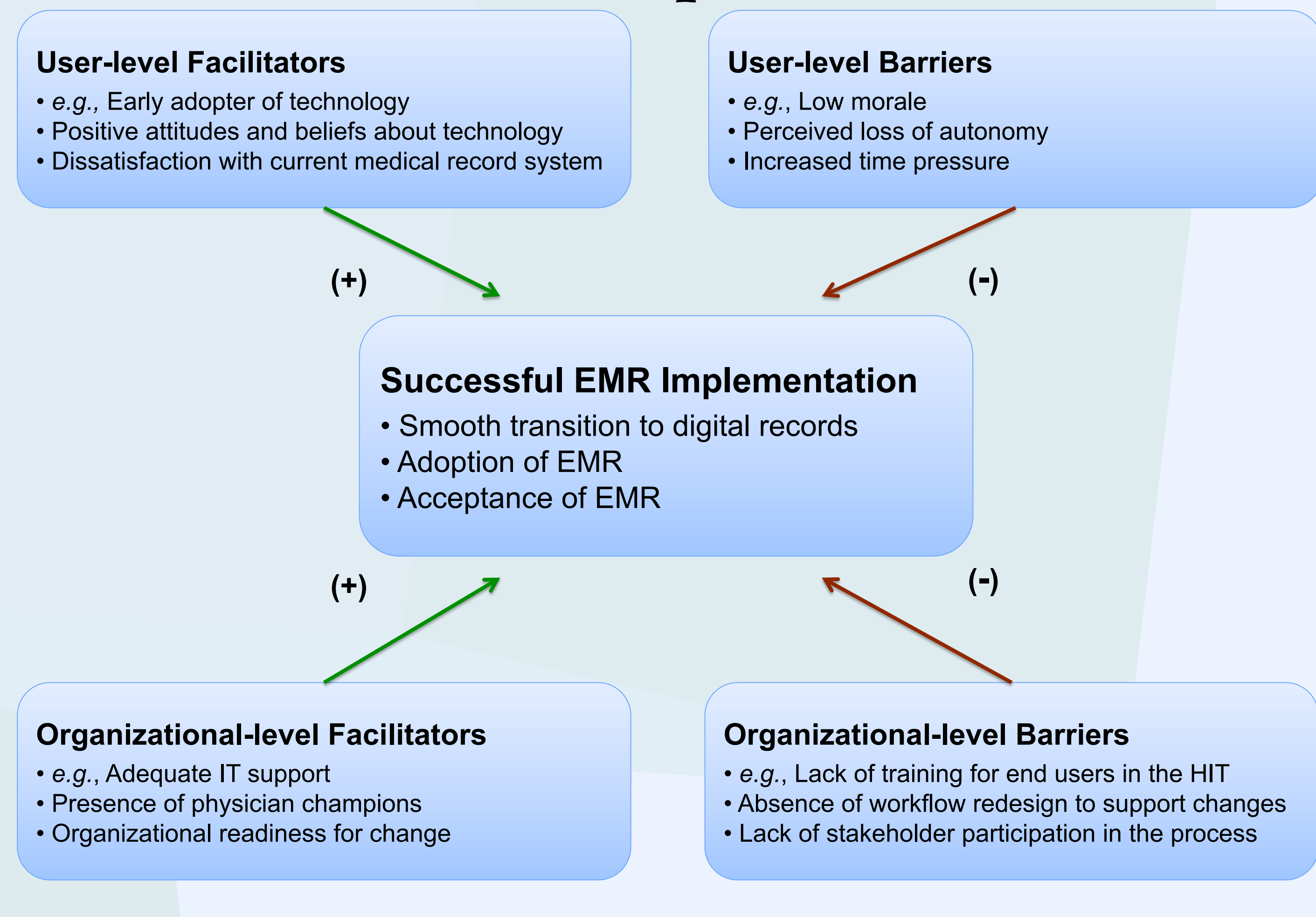
- Administered September 2009, prior to deployment of new EMR system
- 15-minute online survey, 19 questions
- n = 789

## 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

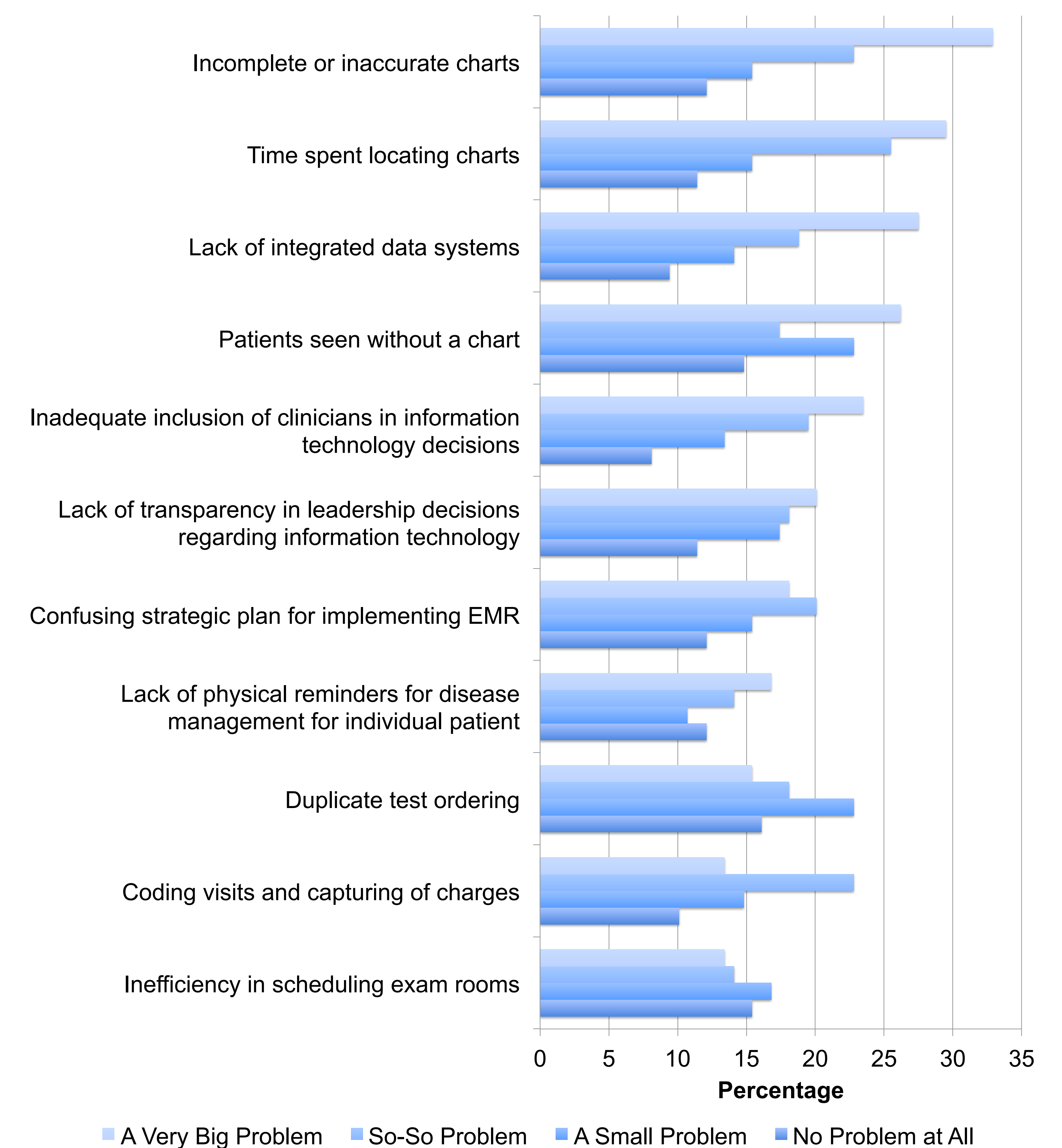
### Current Challenges

- 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.

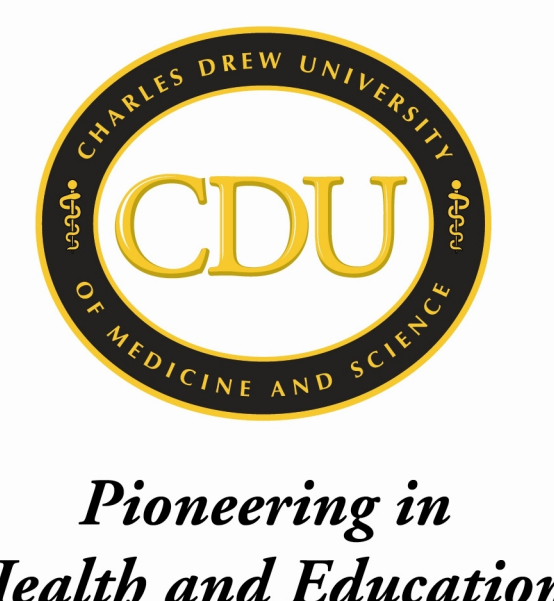
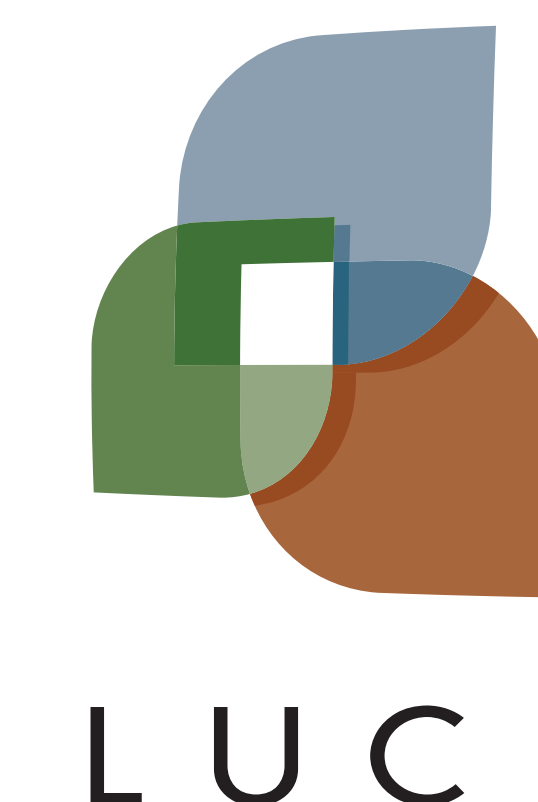
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