

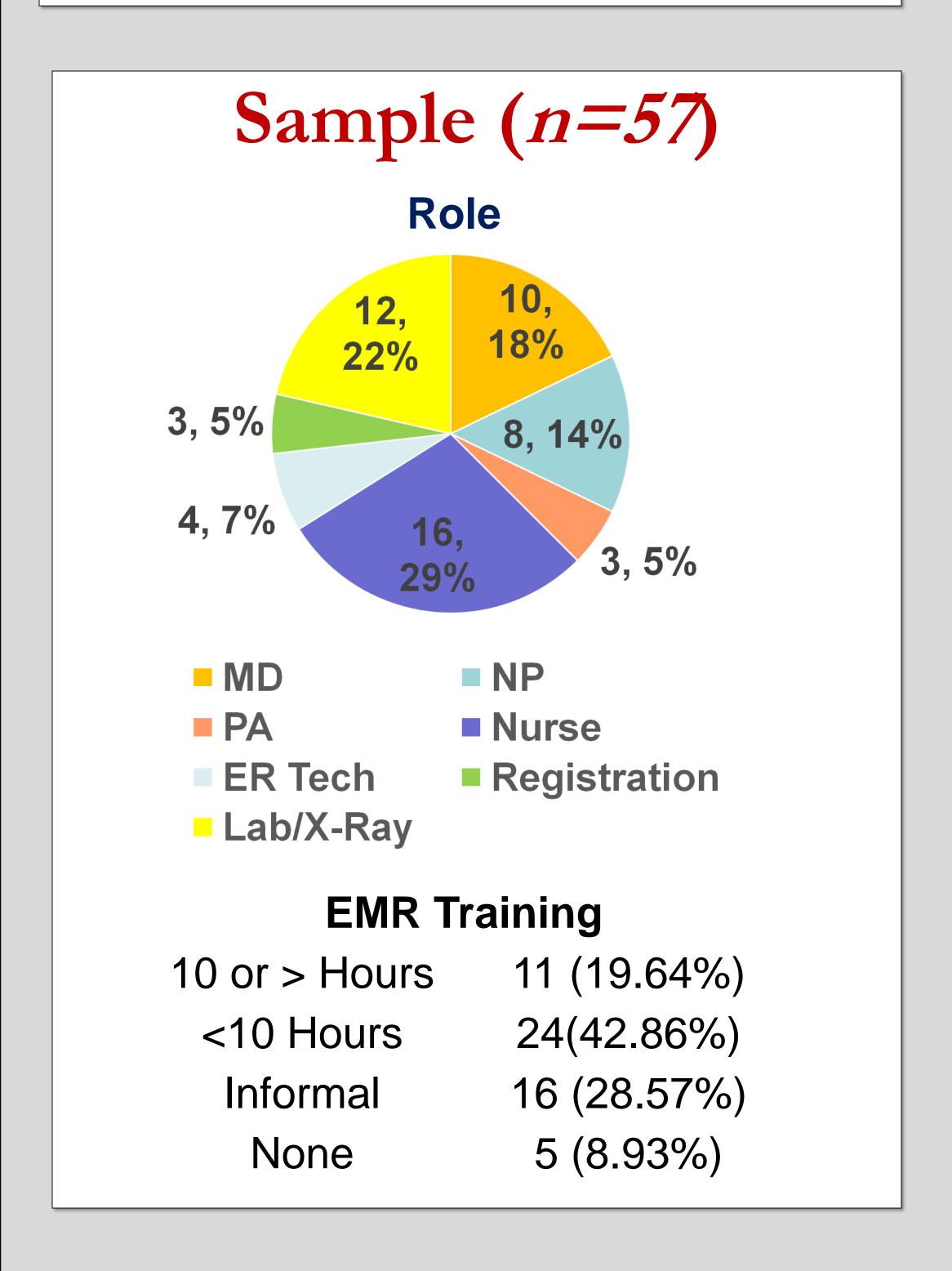
Improving Efficiency After Implementation of an Electronic Health Record: A Program Evaluation Lesley Pyron, DNP Student & Heather Carter-Templeton, PhD, RN-BC Capstone College of Nursing - University of Alabama

Purpose

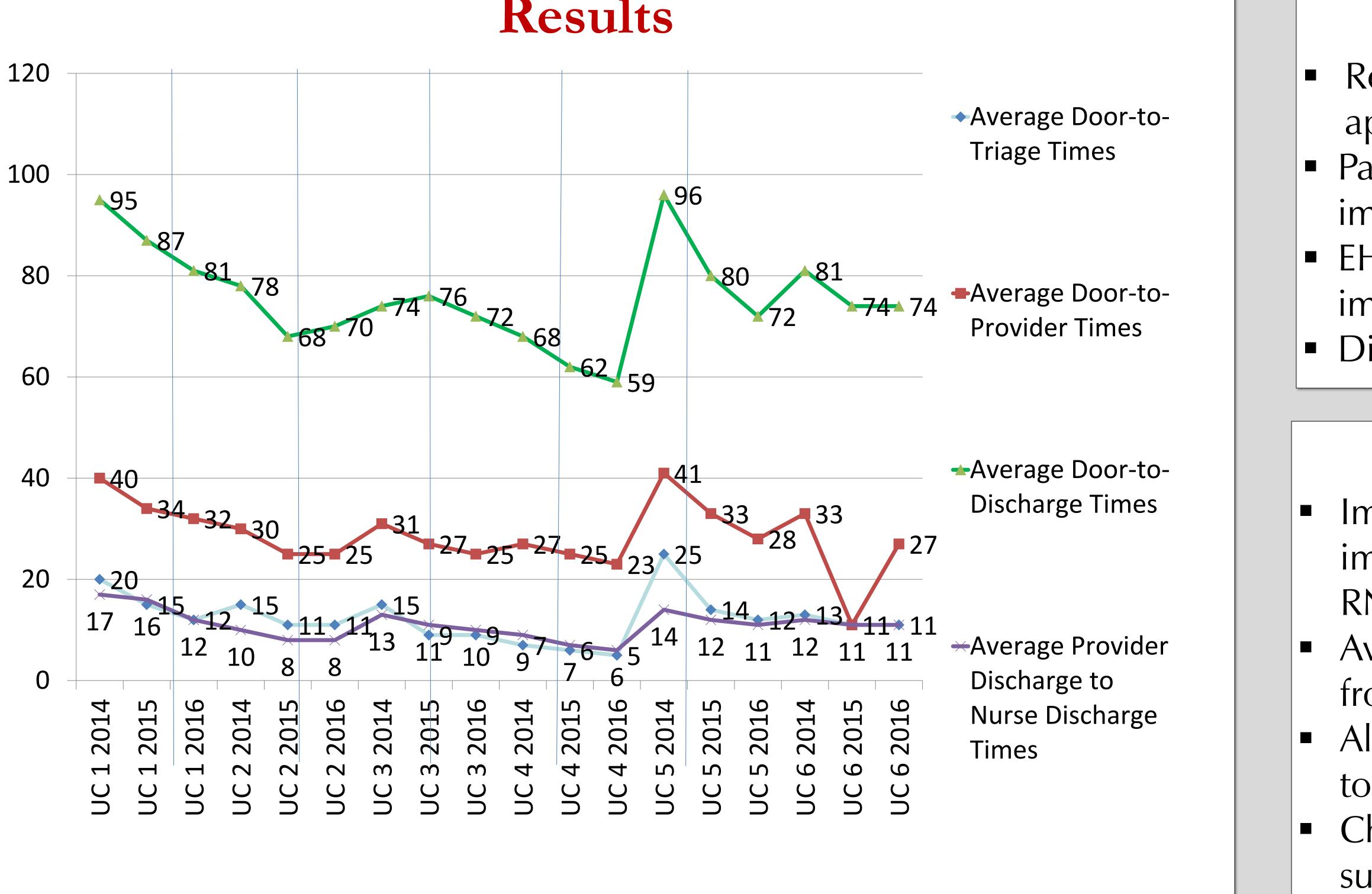
The purpose of this project is to evaluate a provider efficiency and workflow program at a hospital owned, free-standing urgent care system after implementation of an EHR

Background

- Productivity loss is a deterrent to EHR adoption
- Understanding context (i.e., workflow, information requirements, patient mix) prior to EHR implementation is essential



Results



Survey Data

	Completely	Slightly	Slightly	Completely	Don't
	Agree	Agree	Disagree	Disagree	Know
Accomplishes Tasks					
Quickly	10	13	4	12	18
Work Longer to See					
Patients	10	13	7	8	19
EMR Makes Job Easier	4	16	12	7	8
Useful in Job	6	14	10	9	18
Decreases Time with					
Patients	13	14	8	6	16
Causes Disruptions in					
Workflow	3	18	7	11	18
Improves Patient Flow	9	18	9	4	17
Improves Patient Care					
Decisions	10	11	13	6	12

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Methods

 Retrospective, longitudinal approach used Paper chart review prior to EHR implementation EHR data review performed postimplementation Direct observation of 15 providers

Conclusion

Improvement in all areas after EHR implementation except provider-to-RN discharge

Average length of stay decreased om 109 minutes to 73 minutes providers verified allergies prior e-prescribing

hart review showed missing data iggesting EHR data collection is a etter option

Discussion

verall, EHR system improved roductivity and efficiency leed improved RVU productivity acking using EHR and the ability

filter vacations, summer leave, nange in work status for increased curacy

articipants accepted EHR as a standard of care

Ideas for improving patient flow were illuminated during this project