Factors Involved in the Successful Transition to and Subsequent use of Electronic Health Records (EHRs) Systems by Individual and Group-Practice Physicians

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Factors Involved in the Successful Transition to and Subsequent use of Electronic Health Records (EHRs) Systems by Individual and Group-Practice Physicians

Naveen Chandra Kotha and Dr. Faye O. Prichard

Abstract

The use of Electronic Health Records (EHRs) by healthcare professionals has been recommended as a way of improving healthcare quality, patient safety, and workflow efficiency, and lowering costs in the long run. While large hospital systems integrate EHRs into their services, individual and group practice-owning physicians, especially those of specialties and subspecialties, are often left wondering whether they should follow the trend and whether the transition from traditional, paper-chart systems or older EHRs to newer, commercial ones will truly benefit their patients and their practice as a whole. These physicians also often wonder whether benefits such as electronic-prescribing, clinical decision support, and patient results tracking outweigh obstacles such as initial costs, reliability, and user adaptability. This investigation sought to provide a more informed perspective in considering the decision to either transition to an Electronic Health Records system or maintain a traditional paper-chart style system. A number of studies examining care quality improvement and physician satisfaction in regards to transitions to EHRs under various conditions, such as specialty type, previous EHR-experience, and difficulty of transition, among others, were investigated to form this perspective. The improvement of care quality and physician satisfaction as a result of adopting EHRs relies heavily on both the efficiency and completeness of the transition and the EHR's degree of customization towards a practice’s specific needs. Since EHRs are continuously being developed and improved, the transition to an EHR system and its subsequent use can be successful with proper preparation for the transition, extended clinician training, and choosing one that is well-tailored to the needs of the specialty and its patients' medical conditions.

Introduction

An Electronic Health Record (EHR) is a collection of electronic tools that helps healthcare providers keep track of and maintain their patients’ medical history, demographics, progress notes, medications, vital signs, immunizations, and laboratory data. The use of EHRs by healthcare professionals has been recommended as a way of improving healthcare quality, patient safety, and workflow efficiency, and lowering costs in the long run. The federal government has even allocated $17 billion as incentives for physicians who adopt EHRs and show meaningful use. The three main components of achieving meaningful use include the EHR being used in a practical way, such as by creating prescriptions, the EHR being used to exchange electronic health information in ways that improve the quality of healthcare, and the EHR being used to record clinical tasks and care quality. While large hospital systems integrate EHRs into their services, individual and group practice-owning physicians, especially those of specialties and subspecialties, are often left wondering whether they should follow the trend and whether the transition from traditional, paper-chart systems or older EHRs to newer, commercial ones will truly benefit their patients and their practice as a whole. This investigation sought to provide a more informed perspective in considering the decision to either transition to an Electronic Health Records system or maintain a traditional paper-chart style system. Although physicians often wonder whether the benefits of EHRs are worth overcoming their obstacles, such as initial costs, reliability, and user adaptability, the transition to an EHR system and its subsequent use can be successful with proper preparation for the transition, extended clinician training, and choosing one that is well-tailored to the needs of the specialty and its patients’ medical conditions.

Results/Discussion

A number of studies examining care quality improvement and physician satisfaction in regards to transitions to EHRs under various conditions, such as specialty type, previous EHR-experience, and difficulty of transition, among others, were investigated to gain a more informed perspective.

Conclusion

Although physicians often wonder whether the benefits of EHRs are worth overcoming their obstacles, such as initial costs, reliability, and user adaptability, the transition to an EHR system and its subsequent use can be successful with proper preparation for the transition, extended clinician training, and choosing one that is well-tailored to the needs of the specialty and its patients’ medical conditions.

Acknowledgements

Thank you to Dr. Prichard for her guidance and direction and Noah Lynn and Julie Rothey for their advice and feedback.