

Table 1

Summary of Selected Studies of Physician Electronic Health Record (EHR)
Adoption Factors and Satisfaction

Report	Study Design and Participants	Outcome Measures	Result Highlights
Verdon (2014)	Survey done in 2013 with 960 respondents, conducted by MPI Research and <i>Medical Economics</i> Physician makeup: 32% family practice, 16% internal medicine, 33% specialty	Physician satisfaction Financial impact Patient care	70 percent of physicians feel the EHR has not been worth the cost (79 percent in practices with >10 physicians) 73 percent would not purchase their current EHR system 67 percent dislike functionality of their EHR system 65 percent thought their EHR system results in financial losses 69 percent thought health care has not improved
Brown-Wilson Group (2013)	Survey of 17,000 EHR adopters	Percentage of EHR adopters considering a switch in systems Physician satisfaction with current EHR Whether the EHR meets the practice's needs	17 percent to 31 percent of medical practices were considering a switch from their first-choice EHR Survey indicated that many EHR vendors were preoccupied with backlogged implementations and product development had not been a priority 80 percent reported that the EHR does not meet needs 79 percent indicated that the medical practice had not adequately assessed provider needs before choosing their EHR system 77 percent thought their current EHR system was not well suited for their practice setting 44 percent stated that vendors were unresponsive to practice needs Deterrents to change: mergers and acquisitions, training, lack of value, executive pushback
Verdon (2013)	Survey by American College of Physicians	Physician satisfaction Likelihood of purchasing same system again	34 percent of providers were dissatisfied with the EHR's ability to decrease workload 32 percent had not returned to their normal productivity after implementation 37 percent of providers were dissatisfied with ease of EHR use 37 percent of physicians would not get the same system again

Pfoh et al. (2012)	Cross-sectional survey of 197 providers transitioning to a new EHR system	Physician satisfaction	64 percent reported being more satisfied with new EHR system Physicians who used the Internet daily were more likely to be satisfied Physicians with satisfaction with workload and quality of life were more likely to be satisfied with EHR system Barriers to satisfaction: maintaining problem and medication lists, tracking health maintenance information, referring to clinical practice guidelines, and ordering lab and radiology tests
Palojoki et al. (2016)	Cross-sectional, web-based survey of 2,864 EHR users in a hospital district in Finland	Perceived risk level	About 50 percent of users reported a severe perceived risk level related to extended EHR unavailability, particularly in the emergency room, operating room, and intensive care unit 40 percent of severe perceived risk was related to system-to-system interface errors, failure to find or use the most recent data, EHR time measurement errors, and incomplete orders

Sources:

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