

NATIONAL UNIVERSITY OF SINGAPORE

School of Computing

Graduate Research Paper Presentation

Title: From Vision to Value: A Review on HIT Payoff

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ABSTRACT:

Healthcare information technology (HIT) holds enormous potential for reducing the costs, improving quality, and eventually transforming the healthcare industry. With an increasing amount of investment in HIT comes the responsibility to provide economic justification. Moreover, the manifestation of HIT's values has tremendous implication for the entire human being. Thus, a growing number of scholars from different domains devote much effort to the quantification of HIT payoff. This paper aims to inform researchers about the current state of empirical HIT payoff studies in the fields of IS, Health Informatics, Management, and Economics through a framework-based review. After an in-depth anatomy of value measures, focal HIT, and the consideration of value generation process in the existing literature, this paper identifies three major research gaps - omission of the value generation process, static value measures, and the aggregated HIT artifact and impacts. Four research questions and methodological improvements are proposed accordingly to bridge the gaps. A research agenda for future work is illustrated with a feasible data set in the end.