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ADOPTION PATTERNS OF COMPLEMENTARY SYSTEMS IN **BUSINESS PROCESSES**

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Abstract

Information Systems research is replete with examples of the importance of Business Processes defining IT adoption. More recently, business processes are shown to be influenced by both organizational and operational concerns. In this research-in-progress, we test the comparative importance of operational versus organizational influences for IT adoption. Using the HIMSS Analytics database spanning 30 years of IT adoption in hospitals, we focus on the medication process and associated technology adoption. A sequence analysis approach is employed and the adoption patterns are analyzed. Initial results suggest that the organizational determinants play a more significant role for the technology adoption related to the medication process. Planned extensions to this research will evaluate organizational attributes at a finer level of granularity to help distinguish specific adoption strategies in the wider health care industry context.

Keywords: Innovation, diffusion, business processes, process boundary, innovation at the boundary, adoption, IT strategy, IS strategy