

Examining the Impact of User Personality Traits on Concern for Information Privacy of Personal Health Information

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Abstract

There is an increasing concern for the privacy of personal health information (PHI), driven by the proliferation of electronic health system utilization in the healthcare sector. The management of personal electronic health information, i.e., digital report(s) of real-time patient-centered information, has multiple stakeholders and is heavily regulated. As more personal health information is stored and transmitted in electronic form, there is an increasing concern for the privacy of sensitive PHI data. This study explores how an individual's personality traits, as measured by the "Big Five" from Costa & McCrae (2003), drive individual concerns for data privacy. Rather than viewing privacy concerns as a single multidimensional consequence, we investigate six dimensions of privacy concern – collection, errors, unauthorized secondary use, improper access, control, and awareness. We aim to understand which privacy concern dimensions are most impacted by consumers/patients will greatly contribute to both practitioners and academics alike.

Keywords

Concern for Information Privacy, CFIP, Personal Health Information, PHI, Privacy, electronic health.