Open Health Tools

PSU Capstone Proposal

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Improving the world's health and well-being by unleashing health IT innovation
About OHT

• Global 501c6 Trade Association
• ~80 members
  – Government agencies from around the world
  – Large and small technology companies
  – Standards Development Organizations (SDOs)
  – Academic Institutions

• Platform Implementation Project (PIP)
Platform Implementation Project

• Key Initiative of OHT
• Open Source Health Information Exchange
• Current commercial deployments
• VuHID is one of several components
• PIPHIE.org

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Problems to be solved

• Coordinating VuHID requests between an EMPI and Hospital Information System
• Establishing a good workflow between the patient, the intake coordinator, and the HIE
• Managing security amongst services and actors
• Administrative function – dashboard, portals, and alerts

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Sample Architecture

Health Information Exchange

EMPI → Capstone Portal → ADT 1 → BCR
EMPI → Capstone Portal → ADT 2 → BCR
EMPI → Capstone Portal → ADT 3 → BCR

EMPI – enterprise master person index
ADT – admit, discharge, transfer system
BCR – bar code reader
VUHID – Voluntary Universal Healthcare Identifier system

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Project Sponsors

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