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|  |  | **Barrier relevance to technology innovation deployment process** | | | | | | | |
|  |  | Initiation (pre-adoption) | | | | Implementation (post-adoption) | | | |
|  |  | Barrier | Cause | Effect | Source | Barrier | Cause | Effect | Source |
|  | Organization | Degree of organizational change:   * *EMRs introduction requires large organizational change (HITV1\_DI, Pos. 18)* * *The more ingrained the new technology the more adoption and usage problems one runs into (HITV1\_DI, Pos. 18; HITV1\_DI, Pos. 22)* | *EMRs are deeply ingrained into an organization (HITV1\_DI, Pos. 18)* | *Physicians do not trust that they are knowledgeable enough to use the EMR software, so that no human error occurs (HITV1\_DI, Pos. 22-24)* | HITV1\_DI, Pos. 18  HITV1\_DI, Pos. 22  HITV1\_DI, Pos. 22-24 | Degree of organizational change:   * *EMRs introduction requires large organizational change (HITV1\_DI, Pos. 18)* * *The more ingrained the new technology the more adoption and usage problems one runs into (HITV1\_DI, Pos. 18; HITV1\_DI, Pos. 22)* | *EMRs are deeply ingrained into an organization (HITV1\_DI, Pos. 18)* | *Physicians do not trust that they are knowledgeable enough to use the EMR software, so that no human error occurs (HITV1\_DI, Pos. 22-24)* | HITV1\_DI, Pos. 18  HITV1\_DI, Pos. 22  HITV1\_DI, Pos. 22-24 |
| System | Shift in power structures:   * *Self-sovereign identity technology is democratic / decentralized* * *Self-sovereign identity technology only makes sense in a conglomerate (PYV1\_DI, Pos. 36-38)* * *This new technology removes the intermediary (PYV1\_DI, Pos. 36)* * *There is a lot of fear that if there were one utility foundation implemented in the HC system it were to be run by one unchecked intermediary establishing a monopoly (PY2\_DI, Pos. 10-14)* |  | * *Need to bring multiple stakeholders together and apply democratic mechanisms to product management (PYV1\_DI, Pos. 52)* * *Getting such a technology adopted requires different scalability proportions (PYV1\_DI, Pos. 36-38)* * *HC system lacks a utility function to provide connectivity between siloed data serving as a single registry (PY2\_DI, Pos. 12-16)* | PYV1\_DI, Pos. 52  PYV1\_DI, Pos. 36-38  PY2\_DI, Pos. 10-14  PY2\_DI, Pos. 12-16 | Shift in power structures:   * *Self-sovereign identity technology is democratic / decentralized* * *Self-sovereign identity technology only makes sense in a conglomerate (PYV1\_DI, Pos. 36-38)* * *This new technology removes the intermediary (PYV1\_DI, Pos. 36)* * *There is a lot of fear that if there were one utility foundation implemented in the HC system it were to be run by one unchecked intermediary establishing a monopoly (PY2\_DI, Pos. 10-14)* |  | * *Need to bring multiple stakeholders together and apply democratic mechanisms to product management (PYV1\_DI, Pos. 52)* * *Getting such a technology adopted requires different scalability proportions (PYV1\_DI, Pos. 36-38)* * *HC system lacks a utility function to provide connectivity between siloed data serving as a single registry (PY2\_DI, Pos. 12-16)* | PYV1\_DI, Pos. 52  PYV1\_DI, Pos. 36-38  PY2\_DI, Pos. 10-14  PY2\_DI, Pos. 12-16 |