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| **PI name:** Jacob Kean, Russ Waitman, Xing Song |
| **Working Title:** PCORnet Phase III Milestone **-** GPC-VA Data LinkagePilot Study |
| **Sponsor:** PCORI, VA, DoD |
| **Performance Period:** 10/01/2022 – 10/01/2023 |
| **Project State:** interests in responding to the DoD TBIPHRP RFA |

# Site Scope of Work

As one of the contractual milestones for PCORnet Phase 3, GPC will advance Datavant tokenization of the Veterans Administration (VA) and Department of Defense (DoD) electronic health records to support linkage across PCORnet and the corresponding Governance processes. Leveraging existing inter-network resources and in support of the brain injury data sharing (BIDS) project, we propose a demonstration linkage project between GPC EHR data and DoD/VA EHR data to advance the understanding of treatment, progression and long-term outcomes of traumatic brain injury (TBI) for Servicemembers and Veterans.

Participating sites will need to maintain Datavant® software for generating GPC-specific hash token used for linking with DaVinci database in support of the overlapping analysis. The overlapping analysis will perform first on the entire GPC population, and then on a subset of overlapping TBI population. Overlapping analysis will be performed on DaVinci database.

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| **Milestone** | **Activity** | **Budget for Leading Site\*** | **Budget for Coordinating Site\*** | **Budget for Performing Site** |
| 1. Administrative preparation | Datavant order form, IRB or non-human-determination, GPC DROC request | $ 1,560 | $ 1,560 | $ 1,170 |
| 2. Hash Token Generation and Submission | Performing sites will submit GPC-specific hash token table to the GPC AWS-based cloud environment following secure TLS/SSL protocol. Instructions for data submission will be disseminated on github. | $ 2,786 | $ 3,583 | $ 1,013 |
| 3. Linkage mapping generation | Coordinating site will aggregate hash token tables, perform deduplication and coordinate with leading site and VA to generate linkage mapping | $ 2,340 | $ 2,340 | $ 780 |
| 4. Analysis and Result Dissemination | Authorized analysts at CS will perform overlapping analysis, federated analysis on selected topics to assess the validity and utility of the linked dataset | $ 624 | $ 546 | $ - |
| **Total** |  | **$ 7,310** | **$ 8,029** | **$ 2,963** |

\* Assume coordinating site (MU) is also performing site, and leading site (Utah) is also performing site