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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 serve as the foundation for future projects in advancing 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 VA health data in support of the proposed overlapping analysis and federate modeling. By leveraging Datavant privacy-preserving-linkage technique, there will be no potential for individuals to be re-identified as the hash tokens are irreversible. **Upon the GPC External Institution Collaborator Agreement (EICA) being established with VA**, participating sites are expected to submit hash token tables to GPC CC. GPC CC will then transfer the aggregated hash token table to VA linkage team to link with clinical data from DaVINCI database. VA analytic team will perform the overlapping analysis on the linked data. VA linkage team and analytic team are two separate team with no overlap. **Overlapping analysis results will be disseminated back to participating site.**

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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-VA-specific hash token table to GPC CC following the cloud-based secure process | $ 2,786 | $ 3,583 | $ 1,013 |
| 3. Linkage mapping generation | GPC CC will aggregate hash token tables, perform deduplication and coordinate with leading site and VA to generate linkage mapping (VA will be the linkage broker) | $ 2,340 | $ 2,340 | $ 780 |
| 4. Analysis and Result Dissemination | Authorized analysts at CC and VA will perform overlapping analysis and disseminate results back to sites. | $ 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

In accordance with master fee schedule described in the Datavant Order form, GPC CC will make payment to sites at once upon the completion of milestone 3.