

An Update to The Defense and Veterans Center for Integrative Pain Management's Pain Registry Biobank: Remains a Valuable Asset For Future Research Studies

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Introduction

Longitudinal registries are important to capture reliable and high-quality data allowing for long term observation and analysis in various aspects of medicine, including chronic pain. Linking these data to patient reported outcomes and biological samples provides an opportunity to elucidate the biopsychosocial mechanisms that influence health and disease status over time. The Defense and Veterans Center for Integrative Pain Management (DVCIPM) has created the Pain Registry Biobank at Walter Reed National Military Medical Center (WRNMMC), Naval Medical Center San Diego (NMCS D), and Naval Medical Center Portsmouth (NMCP).

Materials and Methods

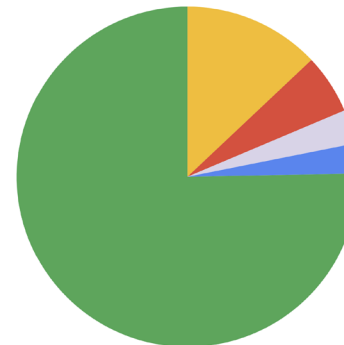
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Results

The Pain Registry Biobank recruits from multiple different clinics across three separate sites and represents diverse populations that include both civilians as well as military service members. The Biobank includes longitudinal data on many different measures including pain catastrophizing, depression, anxiety, anger, adherence to treatment, prescription medication misuse as well as demographics, diagnoses, procedures, and medications.

Participant Source

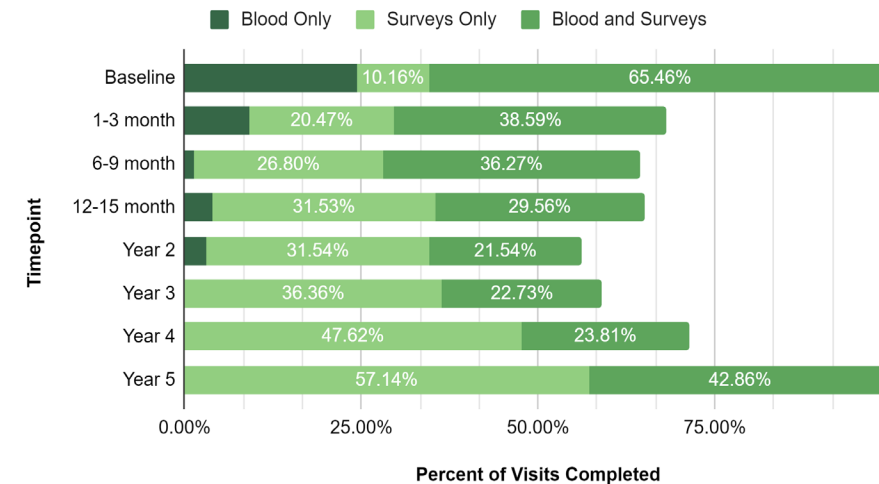
- Orthopedic Clinic (13%)
- Dental Clinic (5.7%)
- Mobile Amputee Training Center (3.2%)
- Warrior Transition Unit (2.8%)
- Pain Clinic (75.3%)



*This chart is representative of data from our WRNMC site as of 8.9.2024

Retention Rates

*This chart is representative of data from our WRNMC, NMCS D, and NMCP sites as of 8.9.2024



The Biobank has enrolled over 400 participants since February 2019 and includes over 800 biological sample sets from various timepoints.

• The follow-up rates at each time point are as follows:

- 1-3 Months: 68.24%
- 6-9 Months: 64.38%
- 12-15 Months: 65.02%
- 2 Year: 56.15%
- 3 Year: 59.09%
- 4Year: 71.43%
- 5 Year: 100%

Discussion

The collected information and samples are stored as part of the Biobank records for future pain research, and both intramural and extramural researchers can apply for access and use of these samples and data. This Biobank is a rich resource of longitudinal data and biological samples that may be used for studying chronic and acute pain conditions and other diseases.

Contact Us

Please reach out to DVCIPM for more information and apply to use the data and samples from this database in your own research study.

Email: BiobankWR@usuhs.edu

Phone: 301-538-8785

Defense and Veterans Pain Rating Scale

