CHILDHOOD CANCER CLINICAL DATA COMMONS (C3DC)

Release 4
11/7/2024

Overview

The November release introduces several enhancements to the C3DC application, including the addition of new datasets, updates to existing datasets, and the introduction of a key new feature called the **Cohort Selector**. These updates are designed to optimize data exploration, enhance user experience.

Data Updates

This release includes updates to 3 existing datasets and the addition of 3 new ones, ensuring the latest information is available for research and exploration:

- **New Dataset: phs003432**: Identification and Targeting of Treatment Resistant Progenitor Populations in T-cell Acute Lymphoblastic Leukemia
- **New Dataset: phs003519**: Single-Cell Atlas of NF1 Nerve Sheath Tumors
- **New Dataset: phs00466**: TARGET: Kidney, Clear Cell Sarcoma of the Kidney (CCSK)
- Dataset Update: **phs002504** (UCSF Database for the Advancement of JMML - Integration of Metadata with "Omic" Data)
- Dataset Update: **phs002517** (Molecular Characterization across Pediatric Brain Tumors and Other Solid and Hematologic Malignancies for Research, Diagnostic, and Precision Medicine)
- Dataset Update: **phs002790** (Molecular Characterization Initiative)

General Application Updates

This release introduces significant updates to the user interface and underlying data model for enhanced search and analysis capabilities.

- **Facet Search Reorganization**: The **Ethnicity** widget has been removed. A new **Treatment Type** widget allowing users to filter participants based on treatment data.
- **New Nodes Added**: Additional nodes for **treatment**, **treatment response**, and **survival** have been integrated into the **C3DC Harmonized Data Model**, enabling more refined search and analysis. These nodes come with updated permissible values to support research needs.
- **Cohort Selector (New Key Feature):** The new **Cohort Selector** feature enables users to create and manage up to **10 cohorts**. This feature offers flexibility to researchers, allowing them to create cohort groups according to their specific requirements. Users can do the following:

  - **Create New Cohort**: Select participant IDs from the facet search and create a new cohort. Users can name and describe the cohort for easy reference.
  - **Add to Existing Cohort**: Add participants to existing cohorts or remove them. Entire cohorts can also be deleted as needed.
  - **View All Cohorts**: View a list of all created cohorts, making it easier to manage and analyze groups.

- **New Feature: Announcements Page:** The **Announcements Page** is a new addition to the application. Located under the "About" section, this page highlights new datasets, version updates, and relevant news. Content on this page is searchable via a **global search function**, ensuring users can quickly find updates and release information.

Additional Support and Inquiries

Users requiring any additional support of with any questions about the C3DC can contact the Childhood Cancer Data Initiative at NCIChildhoodCancerDataInitiative@mail.nih.gov. Please include a name and a reference to the C3DC with the submitted inquiry.