

Patient Study Calendar (PSC)

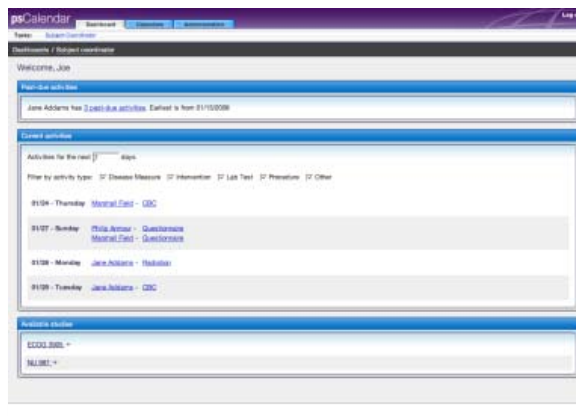
Participant schedule management

The Patient Study Calendar (PSC) is an open source, standards-compliant software application intended for use by organizations that manage patients on clinical trials. PSC is a web-based application providing the ability to create and edit study calendar templates, generate and view prospective calendars of patient activities, track activities as they occur, and manage patient calendars as they change during a study. PSC accommodates all types of studies and facilitates management of the screening process, registration, active monitoring, and long-term follow-up. PSC supports multi-site environments as well as the ability to share templates between instances of PSC.

New features for CCTS 1.1 include template amendments, import/export of templates, consideration for specific patient populations, configurable reports, and an activity management interface.

Features:

- Create template to represent activities of a study and apply template to patient to generate calendar
- Import and export study templates
- Apply additional parts of the study template as the patient advances through the study
- Provides prospective and historical views of patient activities
- Manage state of activities and modifications to patients' schedules
- Track the history of changes to an activity as well as its ideal date
- Manage changes to templates from protocol amendments
- Manage reconsent of patients on a study
- Flexible reporting interface
- Provide access control to patient calendars within a multi-site environment
- Receive AE notifications from caAERS and displays them in the patient calendar
- Provide link to Lab Viewer from patient calendar
- Receive patient registration from C3PR



PSC interface

Categories of Use:

- | | | | |
|---|--|--------------------------------------|---|
| <input type="checkbox"/> Biospecimens | <input type="checkbox"/> Data Sharing | <input type="checkbox"/> Imaging | <input type="checkbox"/> Proteomics |
| <input checked="" type="checkbox"/> Clinical Trials Management | <input type="checkbox"/> Genome Annotation | <input type="checkbox"/> Microarrays | <input type="checkbox"/> Translational Research |
| <input type="checkbox"/> Data Analysis & Statistical Tools | <input type="checkbox"/> Infrastructure | <input type="checkbox"/> Pathways | <input type="checkbox"/> Vocabularies |



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Architecture Overview

- **Application type:** Enterprise System/Infrastructure - server/ Network Dependent
- **System requirements:** Multiple files and a database instance required for installation; tested on multiple platforms, outlined in the Installation Guide

Installation and Administration:

- **Skill sets needed:** System administration, database administration, Web application administration
- **Infrastructure needed:** Database (Postgres or Oracle), application container (Tomcat), caGrid (optional, needed for multi-site interactions and deployment as part of the caBIG® Clinical Trials Suite)
- **Long-term administration needs:** Standard database, Web, and system administration

Key Contributors:

- Akaza Research
- Comprehensive Cancer Center of Wake Forest University
- Jonsson Comprehensive Cancer Center at University of California Los Angeles
- June E. Nylen Cancer Center
- Kimmel Cancer Center at Thomas Jefferson University
- Mayo Clinic Cancer Center
- Norris Cotton Cancer Center at Dartmouth
- Robert H. Lurie Comprehensive Cancer Center of Northwestern University
- SemanticBits, LLC
- University of Virginia Cancer Center
- Winthrop P. Rockefeller Cancer Institute at University of Arkansas

Other Clinical Trials Compatibility Framework Components:

- Cancer Adverse Event Reporting System (caAERS)
- Cancer Central Clinical Participant Registry (C3PR)
- Cancer Data Exchange (caXchange)
- Clinical Trials Object Data System (CTODS)



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Resources

Tool Overview Page	https://cabig.nci.nih.gov/tools/PatientStudyCalendar
Primary Workspace	Clinical Trials Management Systems (CTMS) https://cabig.nci.nih.gov/workspaces/CTMS/
CTMS Knowledge Center	https://cabig-kc.nci.nih.gov/CTMS/KC/index.php/Main_Page
CTMS LISTSERVS	https://list.nih.gov/archives/cabig_ctms_cond_sig.html and https://list.nih.gov/archives/cabig_ctms-l.html
caBIG® Tool Inventory	https://cabig.nci.nih.gov/inventory
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