caBIG® Clinical Connector

Clinical Trials Integration Tool

The caBIG® Clinical Connector is a component of the caBIG® Clinical Trials Suite that provides a conduit (a semantically integrated service layer) from the caBIG® Clinical Trials Suite to multiple Clinical Data Management Systems (CDMS). The connector uses a data model based on the Biomedical Research Integrated Domain Group (BRIDG) model, and defines the service operations that can be implemented by CDMS.

The Clinical Connector is made up of multiple connector services. The first connector service provides a mechanism for external applications to enroll patients. The second connector service provides a conduit for external applications to load laboratory test result data. The third connector service facilitates data extraction.

Features (Services)

- Allows a patient registered in the caBIG® Central Clinical Participant Registry (C3PR) to be enrolled on the corresponding study in the CDMS
- Allows the caBIG® Lab Viewer tool to transfer laboratory test results into the CDMS and populate electronic Case Report Forms (eCRFs)
- Allows study design metadata to be extracted from the CDMS along with context-related information

Technical Specifications

- Database (compatible CDMS)
- Application container (Tomcat)
- caGrid

Other caBIG® Clinical Trials Suite Components

- caBIG® Adverse Event Reporting System (caAERS)
- caBIG® Central Clinical Participant Registry (C3PR)
- caBIG® Integration Hub
- caBIG® Lab Viewer
- caBIG® Patient Study Calendar (PSC)

Categories of Use

☐ Biospecimens	■ **Data Sharing**	☐ Imaging	☐ Proteomics
■ **Clinical Trials Management**	☐ Genome Annotation	☐ Microarrays	■ **Translational Research**
☐ Data Analysis & Statistical Tools	☐ Infrastructure	☐ Pathways	☐ Vocabularies

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Resources

Tool Overview Page	https://cabig-kc.nci.nih.gov/CTMS/KC/index.php/C3D_Connector
Primary Workspace	Clinical Trials Management Systems (CTMS) https://cabig.nci.nih.gov/workspaces/CTMS/
Knowledge Center	https://cabig-kc.nci.nih.gov/CTMS/KC
CTMS Forums	https://cabig-kc.nci.nih.gov/CTMS/forums
CTMS LISTSERVS	https://list.nih.gov/archives/cabig_ctms_cond_sig.html https://list.nih.gov/archives/cabig_ctms-l.html
caBIG® Tool Inventory	https://cabig.nci.nih.gov/inventory
caBIG® Support Service Providers	https://cabig.nci.nih.gov/esn/service_providers
NCI Center for Bioinformatics Application Support	ncicb@pop.nci.nih.gov
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