



PRECICECAP Portal Site User Guide

PREPARED FOR THE

PRECICECAP CLINICAL TRIAL

November 1, 2023

Revision History

| Rev | Description | Date |
|-----|---|----------|
| 3.0 | Updated for new version of CONNECT | 11/01/23 |
| 2.3 | Updated screenshots, added TOC, added "Troubleshooting", "Reporting Issues" and "Upload Portal File Requirements" sections. | 11/03/22 |
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| | |
|--|-----------|
| GETTING STARTED | 3 |
| INITIAL LOGIN | 3 |
| CHANGING YOUR PASSWORD | 5 |
| SELECTING AND UPLOADING DATA | 6 |
| UPLOAD PROCESS | 6 |
| UPLOAD HISTORY | 13 |
| TROUBLESHOOTING TIPS | 14 |
| REPORTING ISSUES | 14 |
| UPLOAD PORTAL FILE REQUIREMENTS | 15 |
| SCOPE | 15 |
| BACKGROUND | 15 |
| PATIENT DIRECTORY | 15 |
| MEDICATION FILES | 16 |

PRECICECAP Portal Site User Guide

This document provides instructions for Principal Investigators and Clinical Research Coordinators to upload subject data and view uploaded data.

The upload portal can be accessed at: <https://precicecap.connect.bedsidinfo.org/>

For additional support, please reach out to:

- Elizabeth Osborn (eosborn@stanford.edu)
- Sara DiFiore (difioresm@upmc.edu)
- Karen Hirsch (khirsch@stanford.edu)

Getting Started

Initial Login

When an admin creates an account for you, you will receive an email similar to the following from moberg@admin.bedsidinfo.org:

Dear John Smith,

Please use the link below to create your account. This link expires in 48 hours.

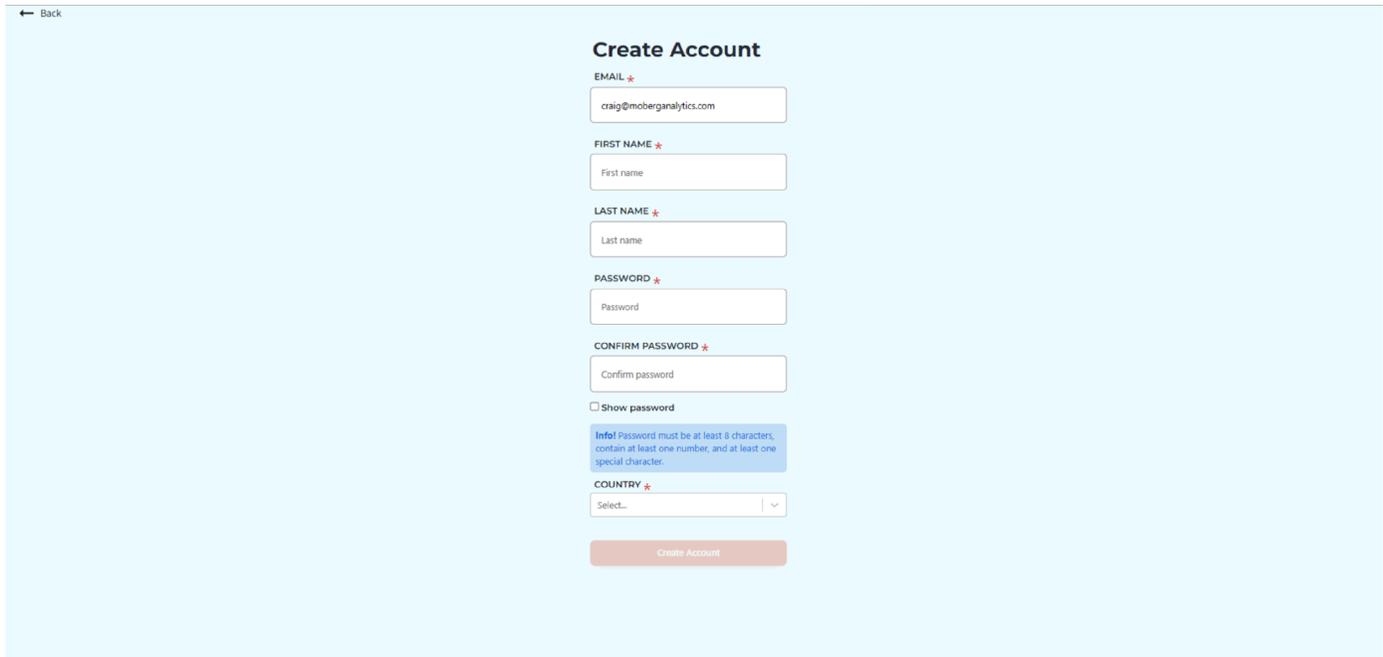
https://precicecap.connect.bedsidinfo.org/create_account?token=1926c539e78a75d547c2d27738f581d3137a886f22048c36940528c7e1ce5bf8f39a5340949ca78848de238781592861585ed94907aef3c5f5d58d91106053e4b990d521caac81888a5ce17e6dfd3a0e1731c767406547d73eb37a5cd0ad1ca89f68e848

Sincerely,

The Moberg Analytics Team

Click on the link in the email or copy and paste it into your browser.

You will be directed to a page that is unique to your account where you will be prompted to set up your account and password.



← Back

Create Account

EMAIL *

FIRST NAME *

LAST NAME *

PASSWORD *

CONFIRM PASSWORD *

Show password

Info! Password must be at least 8 characters, contain at least one number, and at least one special character.

COUNTRY *

Create Account

Enter your First and Last Name. Enter and confirm your password. Select your Country. Passwords must meet the following requirements:

- Minimum 8 characters
- At least 1 number
- At least 1 special character (!@#\$%&)

After setting your password, click “Submit.” You will then be prompted to log in.

Changing Your Password

If you need to change your password, click on the “Forgot your password?” link on the login screen:

Welcome to Moberg Analytics

CONNECT

The Only Data Pipeline Specifically for Neurocritical Care

LEARN MORE

EMAIL

Email

PASSWORD

Password

LOG IN

Remember me Show password

[Forgot your password?](#) [Create workspace](#)

Not a customer? [Try for free](#)

CAUTION - Investigational device. Limited by Federal (or United States) law to investigational use.

Copyright © 2023 Moberg Analytics, Inc. All Rights Reserved. | [Privacy](#)

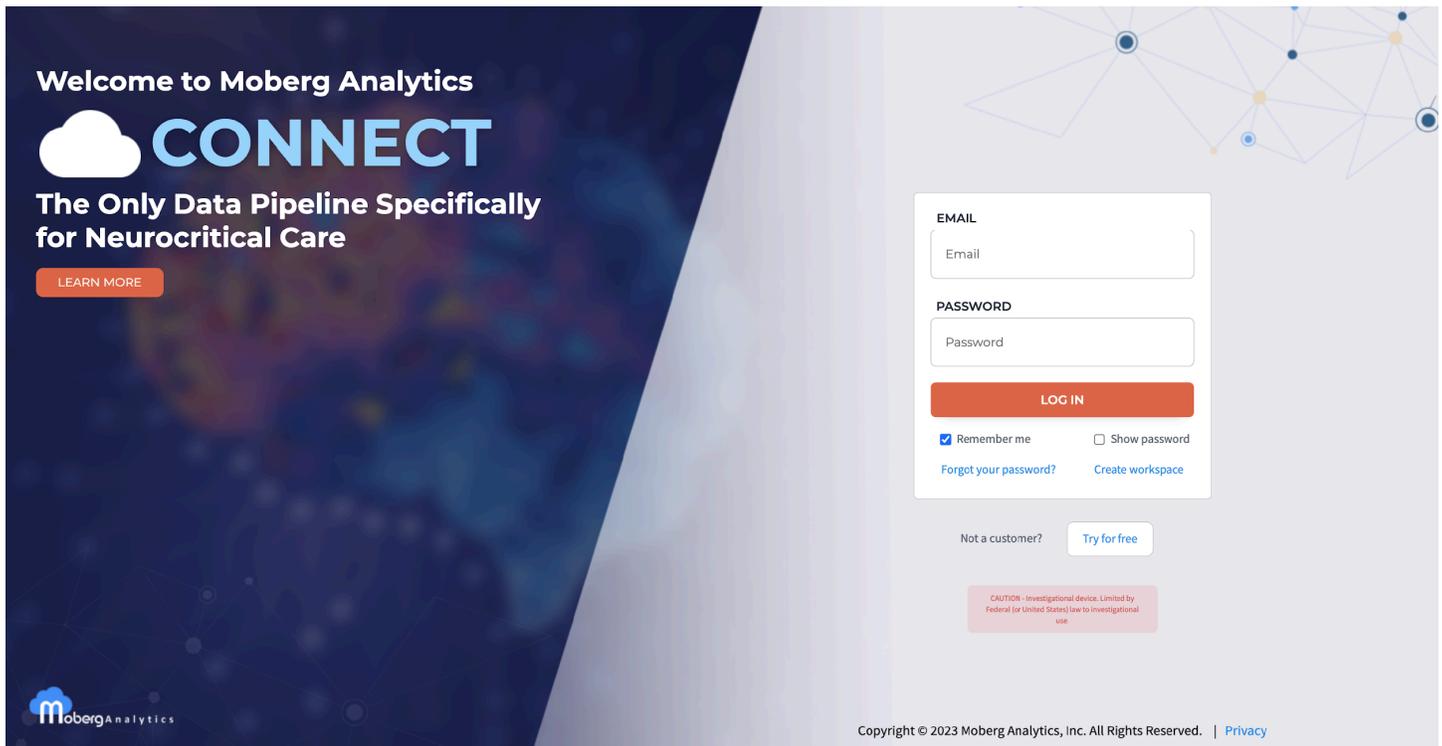
On the next screen, you will be prompted to enter your email address.

You will receive an email with a link to change your password. Follow the link to be directed to a screen where you can enter a new password. This link will expire after 48 hours.

Selecting and Uploading Data

Upload Process

In a browser, navigate to <https://precicecap.connect.bedsideinfo.org> and log in.



After logging in, you will see the main Patients page. To upload subject data, click the “Upload New Patient” button.

Accept the Terms and Conditions and click “Next” to proceed to the next step.

Click on the "Upload New Patient" button.

The screenshot shows the Moberg CONNECT V1.0.0.0 interface. The top navigation bar includes a back arrow, the logo, and a dropdown menu set to 'DEMO'. The right side of the header shows the email 'admin@moberganalytics.com' and a share icon. The left sidebar contains 'DATA' (with 'Patients' selected), and 'WORKSPACE' (with 'Projects', 'Sites', and 'Users' listed). The main content area is titled 'Patients' and features a search bar and a table. A red box highlights the 'Upload New Patient' button in the top left of the main area. Below the button, a status bar indicates 'Info! 3.33 GB of patient data has been reserved out of 5.00 GB.' The table below has the following columns: Site ID, Patient ID, Most recent upload, Uploaded by, Patient directory size, Annotations, Files loaded, Start time, End time, and Total monitoring time. The table contains five rows of patient data.

| Site ID | Patient ID | Most recent upload | Uploaded by | Patient directory size | Annotations | Files loaded | Start time | End time | Total monitoring time |
|---------------------------------------|------------|-----------------------|--------------|------------------------|-------------|--------------|-------------|-------------|-----------------------------|
| 0000: Moberg-Analytics - Philadelphia | 0001 | 8 Sep 2023 - 4:04 PM | Moberg.Admin | 3.53 GB | 8 | 0 out of 1 | 28 Nov 2017 | 30 Nov 2017 | 1 days, 15 hours, 8 minutes |
| 0000: Moberg-Analytics - Philadelphia | 0000 | 8 Sep 2023 - 4:08 PM | Moberg.Admin | 3.53 GB | 0 | 0 out of 1 | 28 Nov 2017 | 30 Nov 2017 | 1 days, 15 hours, 8 minutes |
| 0000: Moberg-Analytics - Philadelphia | 0002 | 8 Sep 2023 - 4:10 PM | Moberg.Admin | 3.53 GB | 0 | 0 out of 1 | 28 Nov 2017 | 30 Nov 2017 | 1 days, 15 hours, 8 minutes |
| 0000: Moberg-Analytics - Philadelphia | 0003 | 10 Oct 2023 - 5:06 PM | Moberg.Admin | 3.53 GB | 0 | 1 out of 1 | 28 Nov 2017 | 30 Nov 2017 | 1 days, 15 hours, 8 minutes |
| 0000: Moberg-Analytics - Philadelphia | 0111 | 12 Oct 2023 - 6:00 AM | Moberg.Admin | 0.00 B | 0 | 0 out of 0 | 0 | 0 | 0 |

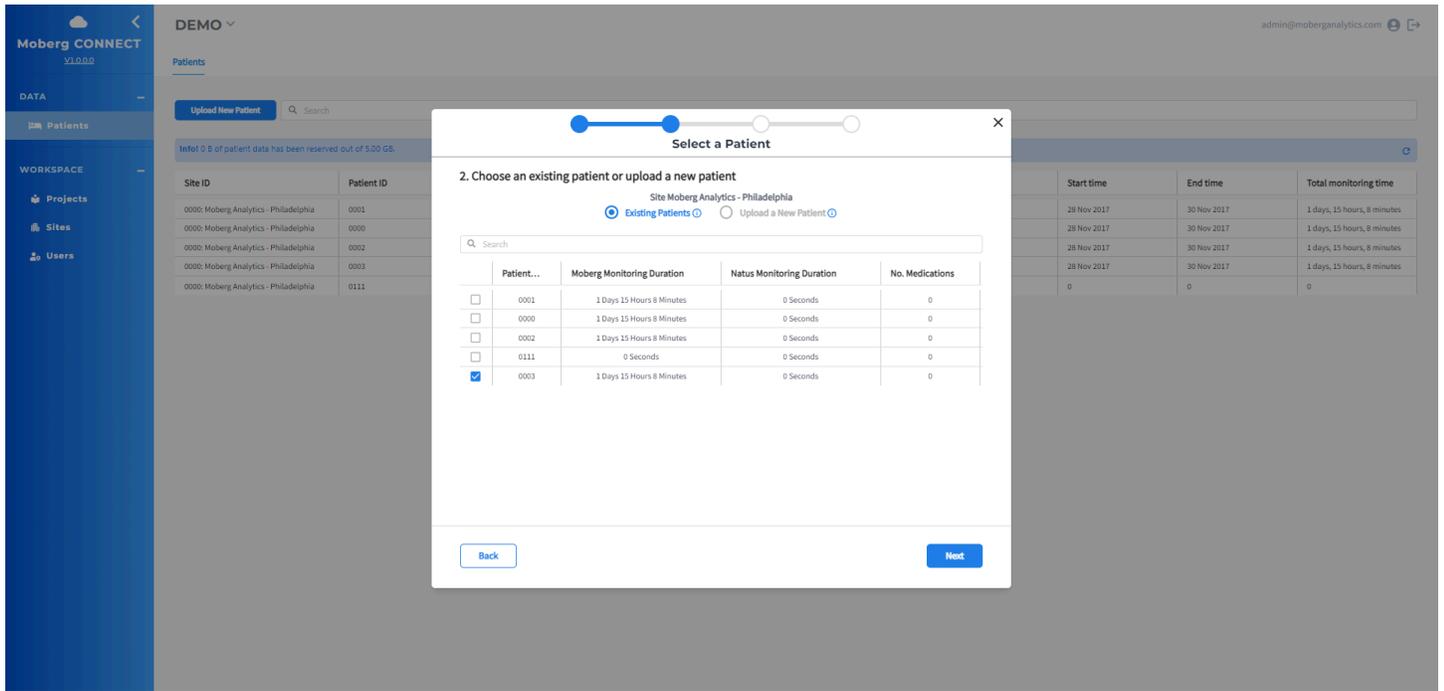
Select the site to which the patient data belongs.

The screenshot shows the Moberg CONNECT V1.0.0.0 interface with a 'Select a Site' dialog box open. The background shows the 'Patients' page with a search bar and a table. The dialog box has a title bar with a close button and a progress indicator. The main content of the dialog is titled '1. Select an existing site' and includes a search bar and a table of sites. The '0000: Test Site' is selected with a blue checkmark. At the bottom of the dialog are 'Back' and 'Next' buttons.

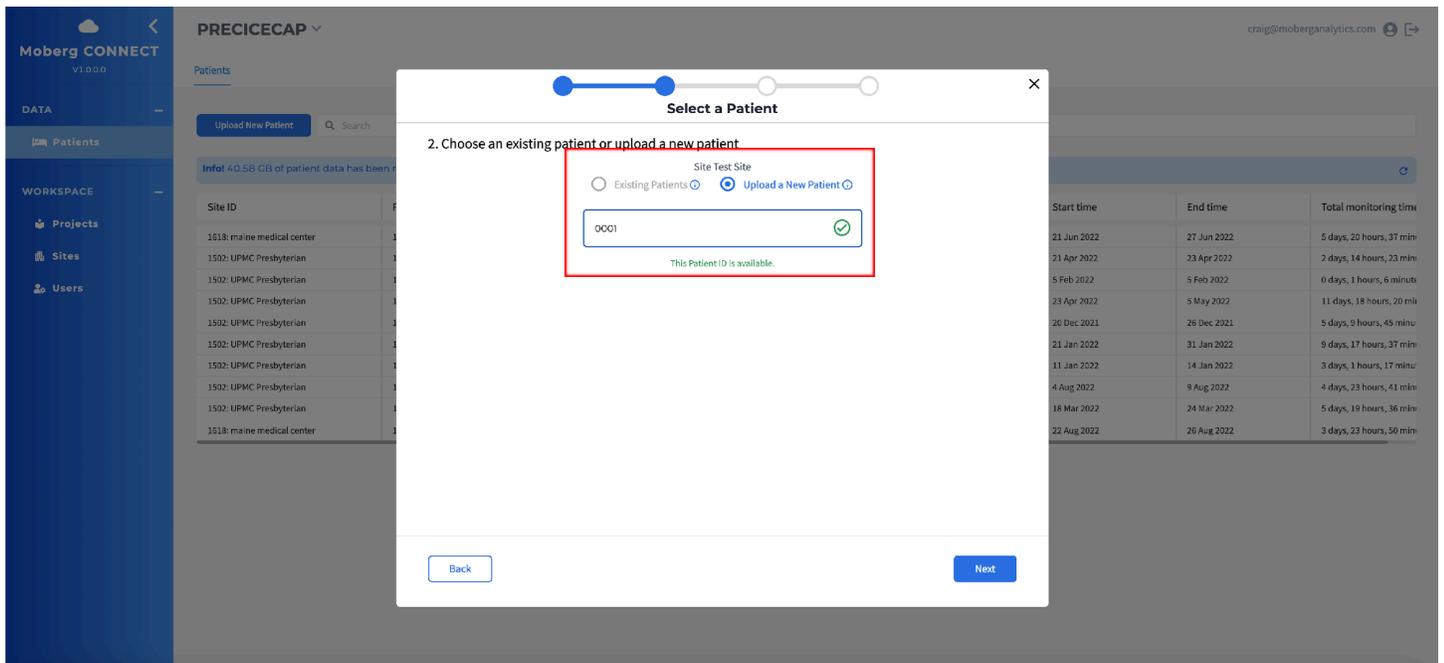
| Site ID | No. Patients |
|--|--------------|
| <input type="checkbox"/> 1435: UCSD | 8 |
| <input checked="" type="checkbox"/> 0000: Test Site | 3 |
| <input type="checkbox"/> 1618: maine medical center | 4 |
| <input type="checkbox"/> 1480: university of michigan | 2 |
| <input type="checkbox"/> 1313: university of alabama at birmingham | 0 |
| <input type="checkbox"/> 1502: UPMC Presbyterian | 22 |
| <input type="checkbox"/> 1125: stanford university medical center | 3 |

A list of existing patients will be shown.

If you want to add data to an existing patient, select the check box next to that patient and click “Next.”



If you would like to upload data for a new patient, provide the 4-digit Subject ID from WebDCU and click “Next.” The system will validate the Subject ID and indicate it is available in green text.



Note: If data has already been uploaded for the subject, the following message will appear and you are given the option to select the existing patient, which will return you to the previous screen with that patient selected. Alternatively, you can continue editing the Subject ID and provide a new number.

Moberg CONNECT V1.0.0.0

PRECICECAP

Patients

Upload New Patient

Info! 40.5% of patient data has been

Site ID

| | |
|----------------------------|---|
| 1618: maine medical center | 1 |
| 1502: UPMC Presbyterian | 1 |
| 1618: maine medical center | 1 |

Select a Patient

2. Choose an existing patient or upload a new patient

Site Test Site

Existing Patients Upload a New Patient

7654

Warning! This Patient ID already exists in Site 0000.

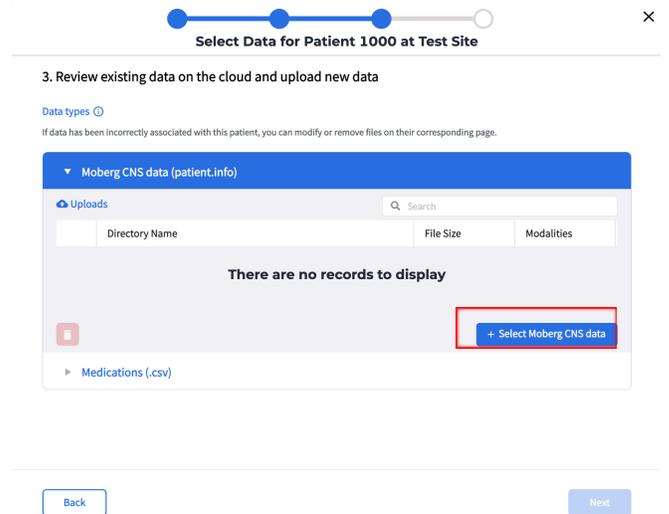
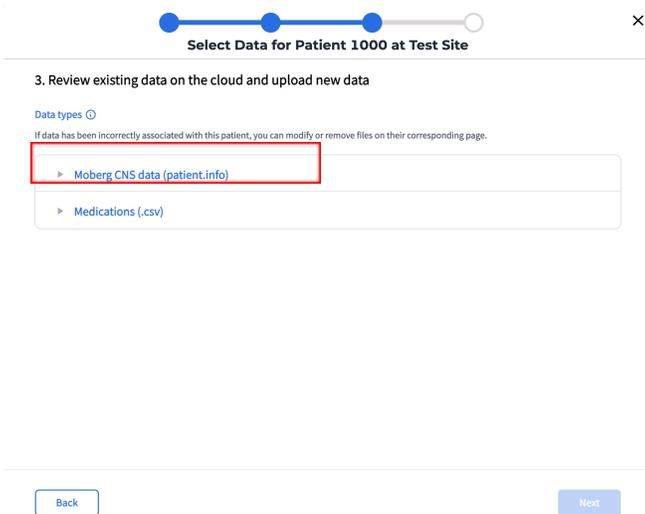
Would you like to select Patient 7654 at Site 0000?

Select Existing Patient

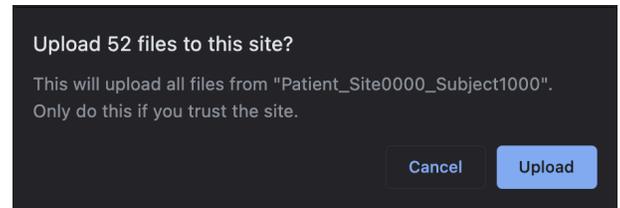
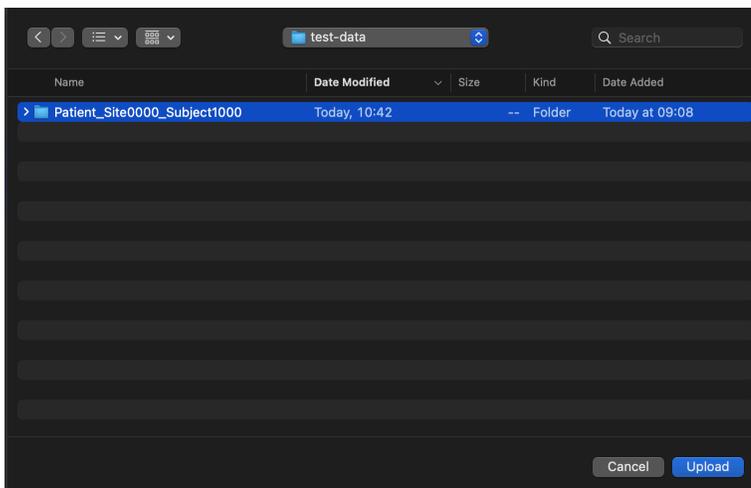
Back Next

| Start time | End time | Total monitoring time |
|-------------|-------------|--------------------------|
| 21 Jun 2022 | 27 Jun 2022 | 5 days, 20 hours, 37 min |
| 21 Apr 2022 | 23 Apr 2022 | 2 days, 14 hours, 23 min |
| 5 Feb 2022 | 5 Feb 2022 | 0 days, 1 hours, 6 mins |
| 23 Apr 2022 | 5 May 2022 | 11 days, 18 hours, 20 mi |
| 20 Dec 2021 | 26 Dec 2021 | 5 days, 9 hours, 45 minu |
| 21 Jan 2022 | 31 Jan 2022 | 9 days, 17 hours, 37 min |
| 11 Jan 2022 | 14 Jan 2022 | 3 days, 1 hours, 17 min |
| 4 Aug 2022 | 9 Aug 2022 | 4 days, 23 hours, 41 min |
| 18 Mar 2022 | 24 Mar 2022 | 5 days, 19 hours, 36 min |
| 22 Aug 2022 | 26 Aug 2022 | 3 days, 28 hours, 50 min |

On the next page click the “twisty” arrow next to the data type you wish to download. The dialog box will expand. Click on the “+ Select Moberg CNS data” button.



Navigate to the patient folder location and select the directory containing the patient data. Click the “Upload” button. You may be asked to confirm you upload (Chrome version shown)



To upload Medications, follow the same path, open the “Medications” twisty arrow, and select local the file with the patient’s medication.

The system will do a quick validation of the input data and present a summary of the data to be uploaded. Click “Next”.

Review the data summary, check the box confirming the PHI removal and click “Upload”.

Select Data for Patient 1000 at Test Site

3. Review existing data on the cloud and upload new data

Data types ⓘ

If data has been incorrectly associated with this patient, you can modify or remove files on their corresponding page.

Moberg CNS data (patient.info)

Uploads

| Directory Name | File Size | Modalities |
|---|-----------|------------|
| <input type="checkbox"/> Patient_Site0000_Subject1000 | 300.64 MB | 8 |

+ Select Moberg CNS data

Medications (.csv)

Back Next

Summary for Patient 1000 at Test Site

4. Confirm data upload

Review Uploads

- Moberg Data: 1 Directory, 300.64 MB
- Medications: 0 Directories, 0 B

Data Summary

Total size of upload: 1 Directory, 300.64 MB

I confirm that I have removed all PHI from this data set.

Back Upload

A dialog box will appear and inform you of the status of your upload. There are two phases to the upload: A “Preparing” phase during which the system calculates hash values to ensure data accuracy. An “Uploading” phase during which the system transfers the data to the cloud.

Upload in Progress

21% Uploading data for: Patient 1000 at Test Site

Preparing 25/52 files
Patient_Site0000_Subject1000/ABP_Mean_Numeric_Float_IntelliVue_Index

Uploading 0/52 files

21%

Cancel Hide

Upload in Progress

50% Uploading data for: Patient 1000 at Test Site

Prepared 52/52 files

Uploading 9/52 files
Patient_Site0000_Subject1000/protocol.xml

50%

Cancel Hide

At any time you may hide the progress box by pressing the “Hide” button. The upload status will be visible in the lower right corner of the screen.

1 upload in progress... [v] [x]

50% Patient_0000_1000 [View] [Refresh]

When the upload is complete, the status box will indicate the upload was successful.

Upload in Progress ✕



100% Upload Complete for:
Patient 1000 at Test Site

✓ Prepared 52/52 files

✓ Uploaded 52/52 files

100%

Thank you! Your upload was successful! You will receive an email when your data is ready for review.

[Hide](#)

Once the data is successfully uploaded, a process will run on the cloud to validate the data and make it available for review. When this process is complete, you will receive a confirmation email and the data will be visible on the platform.

Moberg Analytics CONNECT - PRECICECAP: Upload 1000 at Test Site was successful 🔍

moberg@admin.bedsideinfo.org

To: Craig Maddux

Wed 2023-10-18 11:42

Dear Craig,

Your upload for patient 1000 at Test Site was successful.

Sincerely,

The Moberg Analytics Team

↩ Reply➡ Forward

Moberg CONNECT
V1.0.0.0

DATA

Patients

WORKSPACE

- Projects
- Sites
- Users

PRECICECAPcraig@moberganalytics.com

Patients

Upload New Patient🔍 Search

Info! 40.58 GB of patient data has been reserved out of 49.00 GB.

| Site ID | Patient ID | Most recent upload | Uploaded by | Patient directory size | Annotati... | Files loaded | Start time | End time | Total monitoring time |
|----------------------------------|------------|------------------------|--------------|------------------------|-------------|--------------|-------------|-------------|--------------------------|
| 0000: Test Site | 7654 | 11 Aug 2023 - 6:20 AM | Sara DiFiore | 435.16 MB | 0 | 0 out of 1 | 31 Jan 2022 | 31 Jan 2022 | 0 days, 7 hours, 12 minu |
| 0000: Test Site | 0000 | 10 Oct 2023 - 11:08 AM | Moberg.Admin | 0 KB | 0 | 0 out of 2 | 9 Jul 2019 | 13 Jul 2019 | 3 days, 16 hours, 4 minu |
| 0000: Test Site | 9411 | 5 Oct 2023 - 12:39 PM | Sara DiFiore | 3.69 GB | 0 | 0 out of 1 | 1 Oct 2022 | 13 Nov 2022 | 43 days, 13 hours, 38 mi |
| 0000: Test Site | 1000 | 18 Oct 2023 - 11:39 AM | Craig Maddux | 300.64 MB | 0 | 0 out of 1 | 12 Jul 2019 | 15 Jul 2019 | 2 days, 23 hours, 30 min |
| 1018: university of cincinnati | 1675 | 21 Jul 2023 - 9:54 AM | Moberg.Admin | 1.71 GB | 0 | 0 out of 1 | 13 Nov 2022 | 13 Dec 2022 | 29 days, 10 hours, 50 mi |
| 1073: cooper university hospital | 1630 | 21 Jul 2023 - 9:34 AM | Moberg.Admin | 5.67 GB | 0 | 0 out of 2 | 15 Sep 2022 | 19 Sep 2022 | 4 days, 11 hours, 38 min |
| 1073: cooper university hospital | 1646 | 21 Jul 2023 - 9:51 AM | Moberg.Admin | 1.82 GB | 0 | 0 out of 1 | 29 Sep 2022 | 12 Oct 2022 | 13 days, 8 hours, 4 minu |
| 1073: cooper university hospital | 1659 | 21 Jul 2023 - 9:57 AM | Moberg.Admin | 2.73 GB | 0 | 0 out of 1 | 23 Oct 2022 | 26 Oct 2022 | 5 days, 4 hours, 47 minu |
| 1073: cooper university hospital | 1664 | 21 Jul 2023 - 10:00 AM | Moberg.Admin | 2.18 GB | 0 | 0 out of 1 | 26 Oct 2022 | 3 Nov 2022 | 7 days, 15 hours, 16 min |
| 1073: cooper university hospital | 1677 | 21 Jul 2023 - 10:11 AM | Moberg.Admin | 5.77 GB | 0 | 0 out of 1 | 14 Nov 2022 | 30 Nov 2022 | 16 days, 0 hours, 2 minu |

1 of 7

Selecting the entry from the main “Patients” list will show details about the uploaded data.

The screenshot shows the Moberg CONNECT interface for a patient named 'Patient_Site0000_Subject1000'. The main data table lists the following files:

| Type | Name | Time Created | Time Modified | Size |
|------|---|--------------------------|--------------------------|-----------|
| | ABPNo_WaveQualityIntegerIntellVue_Index | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 28 bytes |
| | AlertNo_Event_Char_CMS_data | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 28 bytes |
| | AlertNo_Event_Char_CMS_soidata | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 72 bytes |
| | ArchivedInventory.xml | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 7.80 KB |
| | ArchivedCount | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 1 byte |
| | CarePathNotifications.xml | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 83 bytes |
| | Events.xml | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 24.03 KB |
| | ICP_Mean_Numeric_Float_Camino_data | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 781.27 KB |
| | ICP_Mean_Numeric_Float_Camino_index | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 96 bytes |
| | ICP_Mean_Numeric_Float_Camino_settings | 18 Oct 2023 11:42 AM PDT | 18 Oct 2023 11:42 AM PDT | 98 bytes |

Monitoring Summary:

- Total Monitoring Time: 2 Days 23 Hours 30 Minutes 7 Seconds
- Monitoring Start Time: 12 Jul 2019 10:47 AM PDT
- Monitoring End Time: 15 Jul 2019 10:17 AM PDT

| Variable | Start Time | End Time | Time Recorded | Percentage of Total Monitoring Time |
|----------|--------------------------|--------------------------|---|-------------------------------------|
| ICP_na | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 5 seconds | 100.00% |
| ABP_na | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 4 seconds | 100.00% |
| ICT_na | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 6 seconds | 100.00% |
| ABP_Mean | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 7 seconds | 100.00% |
| PbtO2_na | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 5 seconds | 100.00% |
| ABP_Dias | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 7 seconds | 100.00% |
| ABP_Syst | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 7 seconds | 100.00% |
| ICP_Mean | 12 Jul 2019 10:47 AM PDT | 15 Jul 2019 10:17 AM PDT | 2 days, 23 hours, 30 minutes, 6 seconds | 100.00% |

Upload History

All uploads are saved in the database and can be retrieved at any time to view the time of the upload, the name of the uploader, and any messages that were generated during the upload. To view your upload history, select the “Uploads” tab.

The screenshot shows the Moberg CONNECT interface with the 'Uploads' tab selected. The interface displays the following information:

- 0 Uploads Completed
- 0 Uploads Failed

| Uploaded | Uploaded By | Most Recent Message | Actions |
|--------------------------|--------------|---|---------------------------|
| 18 Oct 2023 11:39 AM PDT | Craig Maddux | Success! All files have been uploaded successfully. | View logs |

Troubleshooting Tips

The primary source of problems with the portal are network-related issues.

Network speeds will greatly impact upload times.

Corporate firewalls may block ability to upload large files or block needed ports.

Unstable or weak Wi-Fi connections may cause uploads to fail.

Check your upload speed using <https://speedtest.net>

You will receive a speed rating similar to this (your numbers may vary greatly). Note the “Upload” number.



Run the speed test from various locations available to you (office, lab, home, etc.) and use the location with the faster upload speed, if possible.

If this number is less than 50, you will likely have long upload times. Uploading large archive directories (over 2-3GB) can take well over an hour.

Reporting Issues

If you encounter problems that you cannot resolve, please contact your site coordinator or one of the PRECICECAP contacts at the top of this document.

In order to expedite resolution to problems, please collect the following information. Feel free to copy and paste this template into an email.

Name:

Email:

Phone:

Site/Subject ID: ____ / ____

Title: A short description of the issue. (e.g. Upload Failing for Site 1234)

Steps to Reproduce: (tell us exactly what you did so that we can attempt to reproduce the error)

Expected Result: (tell us what you expected to happen)

Actual Results: (tell us what did happen)

List any error messages you received:

Please attach screen shots, if possible.

Upload Portal File Requirements

Scope

This document covers the requirements of files uploaded to the IBM Cloud through the PRECICECAP Upload Portal.

Background

The software that processes CNS Monitoring session directories and medication files has certain requirements that must be met in order for these file types to be processed.

Patient Directory

These patient directories (CNS Monitoring sessions) **must be** named starting with “**Patient_**”. Files not named in this manner will fail during the upload and conversion process.

We recommend leaving the patient directory names unchanged and using directory structures **above** the patient directories for organization.

Alternatively, the user may add identifying sequences or patient identifiers following the first underscore (i.e., after “Patient_”). Valid characters include letters, underscores, and numbers. Do not use special characters or spaces.

These directories come in two variants: non-segmented and segmented.

For non-segmented directories:

- There must be a patient.info file on the root level.

For segmented directories:

- There must be an admission.info file on the root level.
- Each directory must be named starting with “Segment_”

The data contained in the non-segmented directory and the segmented directory must follow the following structure:

For Event files:

- Each measurement must contain two files ending in “,data” and “,textdata”

For Numeric files:

- Each measurement must contain three files ending in “,index”, “,data”, and “,settings”

For NumericQuality files:

- Each measurement must contain two files ending in “,index” and “,data”

For SampleSeries files:

- Each measurement must contain three files ending in “,index”, “,data”, and “,settings”

For WaveQuality files:

- Each measurement must contain two files ending in “,index” and “,data”

Medication Files

Medication files may have the .csv or .xlsx file extension. The current version of the Upload Portal does not impose any restrictions on the file name or the structure of the file contents.