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DormoVision X™ Platform User Manual

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1. Purpose

This manual explains how to use the Dormotech platform (version V3.1.0) to manage users, patients, sleep studies, DormoVision X™ devices (Home PSG, In-Lab), scoring, reports, audit records, system settings, and MSLT studies.

2. Scope

This user manual applies to authorized users of the Dormotech platform, including lab administrators and technicians, scorers, interpreting physicians, viewers, and certified technical support personnel. It covers the routine use of the platform for managing users, patients, sleep studies, devices, scoring activities, reports, audit records, system settings, and MSLT studies, for both Home PSG and In-Lab PSG studies. It does not apply to patients, who interact with the DormoVision X™ device through the Dormotech mobile application, and does not provide instructions for operating or servicing the DormoVision X™ device hardware, except where device-related information or status is managed through the platform.

3. Responsibilities

Authorized users are responsible for using the Dormotech platform in accordance with their assigned roles, organizational procedures, and the instructions provided in this manual. Administrators are responsible for maintaining user accounts and access permissions, while technicians, scorers, and physicians are responsible for ensuring that patient information, study assignments, scoring, review, and reporting activities are completed accurately. Users must protect their login credentials, verify information before saving or approving records, and report technical or cybersecurity concerns to Dormotech Support.

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4. General Information

4.1 Intended Use

4.1.1 DormoVision X™ Device

The DormoVision X™ device is a physiological data recorder designed to collect and record data from multiple physiological channels for use with clinical software in polysomnography and sleep disorder studies. It is intended for use by, or under the direction of, a physician and is suitable for use on adults and children age 6 and above, in both supervised (clinics) and unsupervised (home) environments.

4.1.2 Dormotech Platform

The Dormotech platform is designed to manage sleep tests recorded by the DormoVision X™ device, perform their analysis, enable diagnosis by authorized physicians, and provide access to a physician-signed sleep report.

4.2 Service Notice

The DormoVision X™ device is designed to allow qualified service technicians to perform testing procedures.

4.3 Service Training

Dormotech offers service training for the DormoVision X™ device, including troubleshooting of subassemblies and components, as well as performance testing procedures.

4.4 Service and Technical Support

For technical assistance, please contact Dormotech through our website at Dormotech.com.

4.5 Restrictions

- The data recorded by the device and downloaded through the platform is intended for review and diagnostic interpretation by authorized physicians. While the platform may provide analysis and visualization of recorded data, it does not provide a clinical diagnosis.
- The Dormotech platform should be used only on compatible computers that meet the system requirements specified in this manual (see Section 6).

5. Overview

DormoVision X™ device is a wireless sleep testing solution designed to acquire and transmit physiologic data for review through the Dormotech platform, for both Home PSG and In-Lab PSG studies. For Home PSG studies, recorded data is securely transmitted through the Dormotech mobile application. For In-Lab PSG

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studies, data is transmitted through the In-Lab Vision application on the laboratory tablet. In both cases, the data is made available for review and analysis within the Dormotech platform.

The Dormotech platform enables authorized users to manage patient records, monitor the status of sleep tests, and track associated hardware. Recorded study data can also be downloaded in European Data Format (EDF) using the Dormotech platform.

This manual describes Dormotech platform version V3.1.0.

The Dormotech platform consists of the following six main modules:

- Dashboard (Section 8)
- Patients (Section 9)
- Tests (Section 10)
- Devices (Section 11)
- Reports, including the Audit Trail (Section 13.4)
- Settings (Section 13)

6. Installation and System Requirements

The Dormotech platform is browser-based and does not require local installation. Access is provided through a web browser using the URL supplied by Dormotech. A compatible laptop or desktop computer is required.

6.1 Minimum Hardware Requirements

- **Processor:** 1 gigahertz (GHz) or faster with two or more cores on a compatible 64-bit processor or system on a chip (SoC)
- **RAM:** 4 gigabytes (GB) or greater
- **Storage:** 64 GB or greater available storage

6.2 Minimum Software Requirements

- **Operating System:** Windows 10 or later
- **Web Browser:** Google Chrome or Microsoft Edge
- **Security:** For cybersecurity purposes, ensure that antivirus software is installed on the laptop or PC

> **Note:** For optimal performance, use the most current supported version of Google Chrome or Microsoft Edge and regularly install operating system, browser, and security updates, unless otherwise instructed by Dormotech.

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7. Initial Setup and User Management

7.1 First Login

The URL provided by Dormotech grants access to an organization-specific instance of the Dormotech platform. Each organization is assigned a dedicated database.

A single administrator account is provisioned during system setup. Use the credentials provided by Dormotech to complete the initial login.

After the initial login, configure administrator accounts in accordance with your organization's access control policies. Dormotech recommends replacing the default administrator account with a newly created administrator account to support account security.

> **Note:** If you forget your password, click **Forgot Password** and enter your email address to receive a password reset link.

7.2 Creating Users

To create a new user:

1. In the left menu, select Settings.
2. Select the Users tab.
3. In the upper-right corner of the Users list, select the Add (+) button.
4. In the window that opens, enter the user's details and assign the appropriate role and department.
5. Select Save to create the user.

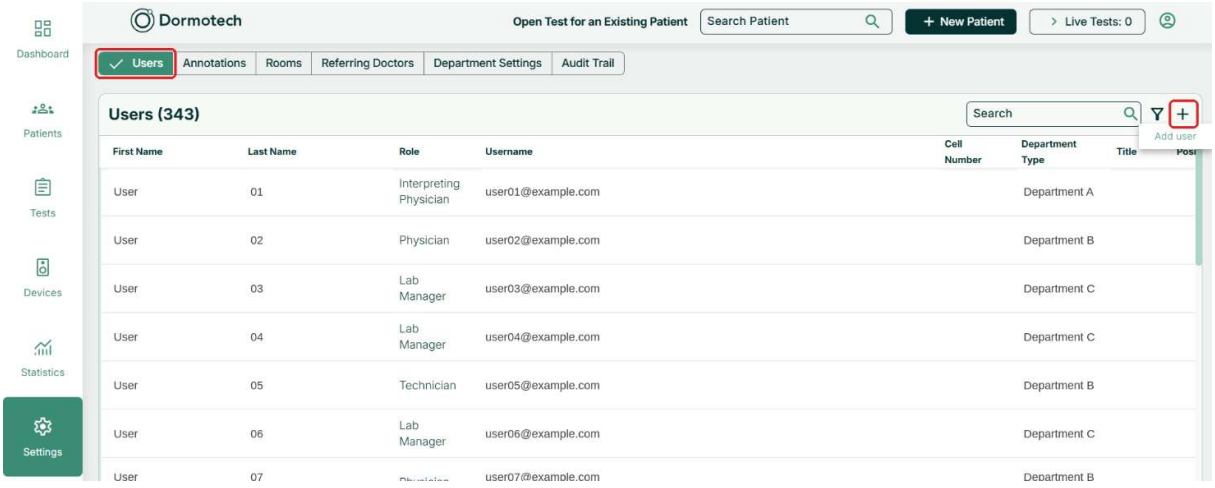

Figure 1. Creating a User in Settings

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> **Note:** Each user must be assigned a unique email address, which serves as the username for accessing the Dormotech platform. Duplicate email addresses are not permitted. After a new user account is created, an automated email is sent to the specified email address with instructions for creating an initial password.

User passwords must comply with the following requirements:

- Minimum length: 8 characters
- Include at least one uppercase letter, one lowercase letter, and one numeric character
- Passwords expire every 90 days and must be changed upon expiration
- Previously used passwords cannot be reused

> **Note:** User credentials are intended for individual use only. Passwords must not be shared with other users. To help maintain system security, each user should access the platform using their own account.

7.3 User Roles

User access within the Dormotech platform is controlled through several predefined user roles. Each role is assigned permissions that determine the features and functions available to that user.

Role	Definition
Technician	Can create new patients and tests, and review and manage existing tests.
Tech Admin	Has administrative access to technical and system settings, such as departments, devices, and annotations.
Administrator	Can create and edit users. This role does not have access to managing patients or tests.
Scorer	Performs the scoring and analysis of sleep tests.
Outsource Scorer	An external scorer who performs scoring and analysis of assigned sleep tests.
Physician	Reviews test results and reports. Cannot approve and sign reports.
Interpreting Physician	Reviews the test results and approves and signs the final sleep report. Can approve and sign reports.
External Interpreting Physician	An interpreting physician from outside the clinic who reviews the test results of assigned studies. Can approve and sign reports.
Viewer	Has view-only access and cannot manage tests, patients, or users.
Lab Manager	Manages the lab's daily operations, including patients, tests, devices, and staff assignments, and has access to clinic statistics.

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7.4 Editing Users

To edit an existing user:

1. Open the **Users** list.
2. Locate the required user. Use the search field or role filter if needed.
3. Click the **Edit** icon in the **Actions** column.
4. Update the relevant user information, such as first name, last name, role, department, status, and email.
5. Click **Save** to apply the changes.

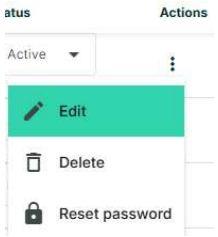

Figure 2. Actions menu – Edit option

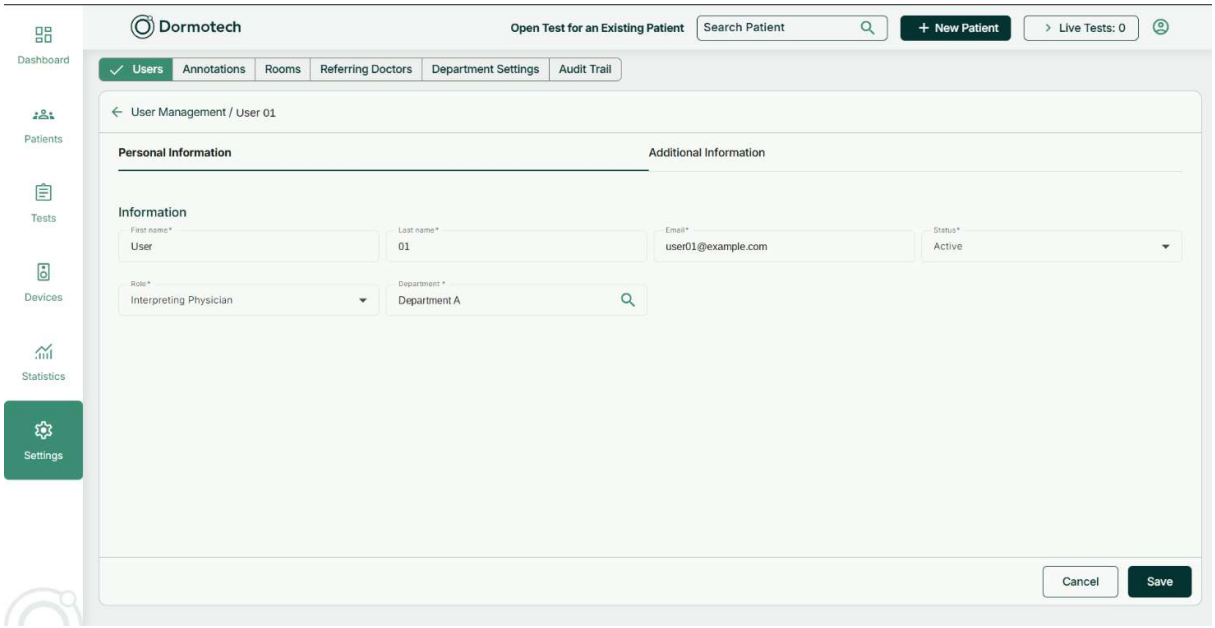

Figure 3. Edit User window

Note: Each user must have a unique email address. Before changing a user's role, confirm that the selected role provides the appropriate level of system access.

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7.5 Activating or Deactivating Users

A user's status can be changed in either of the following ways.

From the Status column:

1. Open the **Users** list.
2. Locate the required user.
3. In the **Status** column, select **Active** or **Inactive**.
4. Confirm the change if prompted.

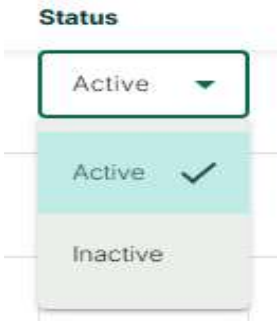

Figure 4. User status selection in the Status column

Through the Edit User window:

1. Open the **Users** list.
2. Locate the required user.
3. Under **Actions**, click **Edit**.
4. Open the **Status** field.
5. Select **Active** or **Inactive**.
6. Click **Save** to apply the change.

An **Active** user can sign in and access the system according to their assigned role. An **Inactive** user remains in the users list but cannot sign in.

> **Note:** Deactivating a user does not delete the account or its previous activity. The user can be reactivated later.

7.6 Deleting Users

To delete an existing user:

1. Open the **Users** list.
2. Locate the user you want to delete. Use the search field or role filter if needed.
3. In the **Actions** column, click the **Delete** icon.
4. Review the confirmation message.

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5. Click **Delete** or **Confirm** to complete the action.

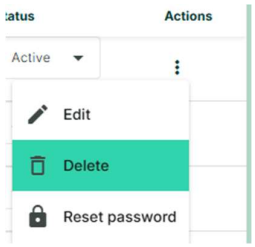

Figure 5. Actions menu – Delete option

> **Warning:** Deleting a user permanently removes the user account from the system. The user will no longer be able to sign in, and the account cannot be reactivated.

Before deleting a user, consider changing the user's status to Inactive instead. This prevents access while keeping the account available for future reactivation and preserving its association with previous system activity.

7.7 Users List

- All users can access the Users List to view user account information.
- The Users List shows the following data for each user: First name, last name, Email (this is also the username), status (a drop-down that defaults to Active), role (a drop-down), and Department (a searchable field).
- Use the global search field at the top of the screen to search for users by any displayed value.
- To filter the list by user role, use the Role filter located at the top of the screen.

7.8 Profile Settings

Users can configure personal preferences by selecting the user icon in the upper-right corner of the screen and then selecting Profile Settings. A window opens where the user can:

- Edit personal information.
- Set preferences for how data is displayed in the platform.
- Set notification preferences:
  - Receive Email notification: turns email notifications from the platform on or off.
  - Trigger Status changes emails: sends an email when the status of a study changes.
- Set PDF report preferences:
  - PDF Signature Enabled
  - Signature Image: select Upload File to upload an image of the signature.
- Enable sign-in security: select Secure now to set up two-factor authentication, which protects the user's Dormotech account across all workspaces.

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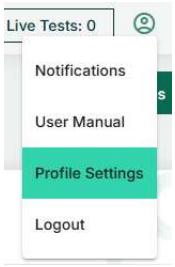

Figure 6. User menu – Profile Settings option

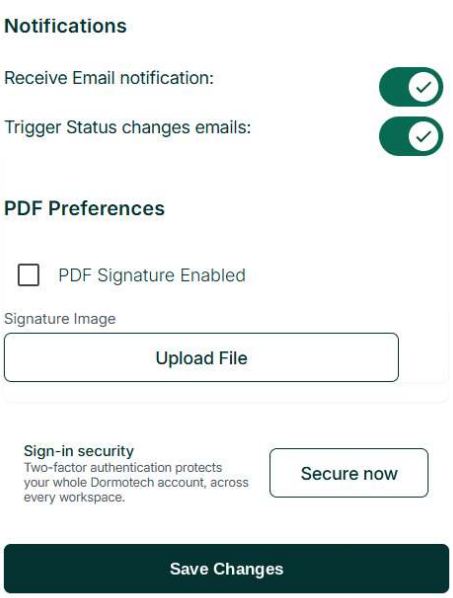

Figure 7. Profile Settings – notifications, PDF preferences, and sign-in security

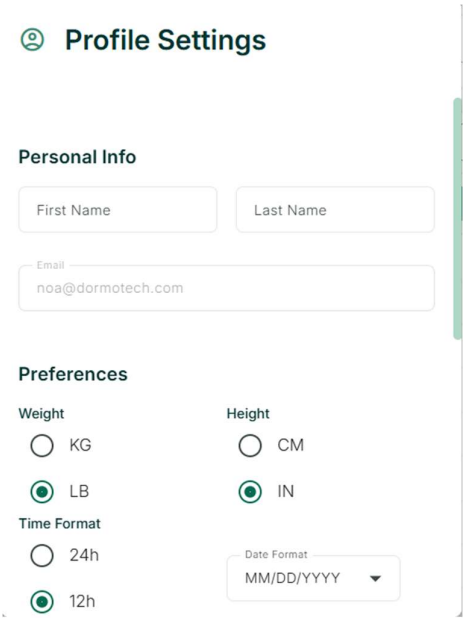

Figure 8. Profile Settings – personal information and display preferences

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8. Dashboard

The Dashboard is the primary screen displayed after a user logs in to the Dormotech platform. It provides a summary of system information and access to commonly used functions. The information displayed is based on the user's assigned role.

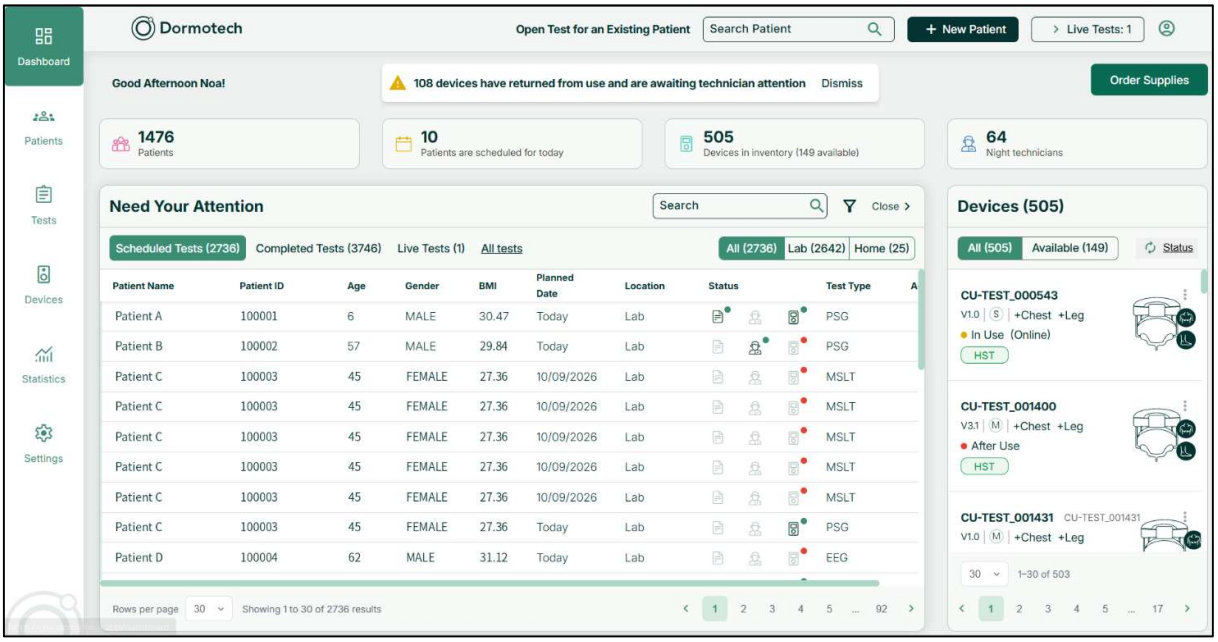

Figure 9. Dashboard overview

8.1 Dashboard Views

The default dashboard view varies according to the user's role:

- **Technician:** Scheduled Tests
- **Scorer:** Completed Tests

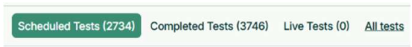

Figure 10. Dashboard view – Scheduled Tests



Figure 11. Dashboard view – Completed Tests

8.2 Summary Information

The top section of the Dashboard displays the following information:

1. **Patients**: the total number of patients registered in the platform.

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2. **Patients are scheduled for today**: the number of patients with a study scheduled for the current day.
3. **Devices in inventory**: the total number of DormoVision X™ devices, with the number currently available.
4. **Night technicians**: the number of night technicians registered in the platform.

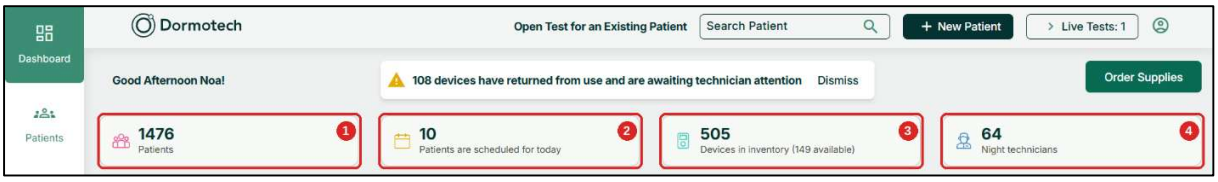

Figure 12. Dashboard summary information

8.3 Devices List

The Devices List is displayed on the right side of the Dashboard and can be expanded or collapsed. It shows each DormoVision X™ device in the inventory together with its current status.

Each device card displays the following information:

- Device ID: the unique identifier of the device (for example, CU-TEST_000543).
- Version: the device version (for example, V1.0).
- Device size: L – Large, M – Medium, S – Small or C-Child.
- Additional components: the components connected to the device, such as the chest belt (+Chest) and leg EMG sensors (+Leg).
- Status: the current device status, indicated by a colored dot (for example, New, Available, After Use, Assigned, In Use, Sent for Repair, or Charging).
- Study type: the type of study the device is assigned to (for example, HST).

Select **Available** to display only devices that are currently available for use.

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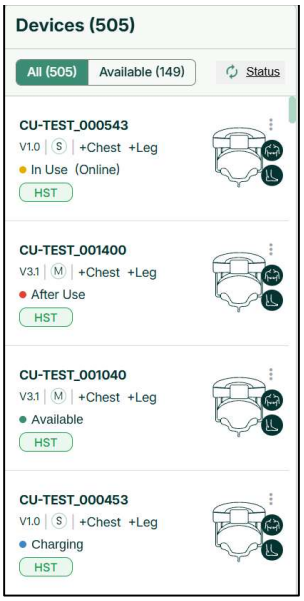

Figure 13. Devices List on the Dashboard



Figure 14. Devices List filter tabs and Status button



Figure 15. Device card details: version, size, and additional components

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8.4 Updating Device Status

To update a device status, select the three-dot menu next to the device and choose the appropriate status.

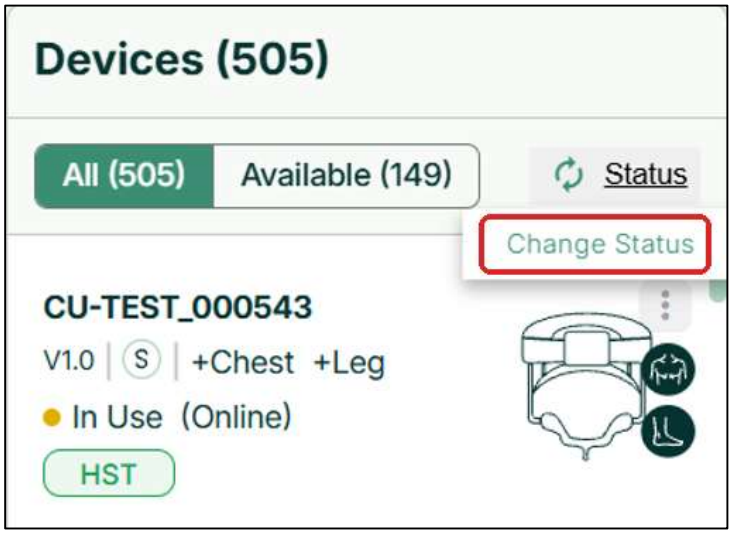

Figure 16. Change Status option in the device menu

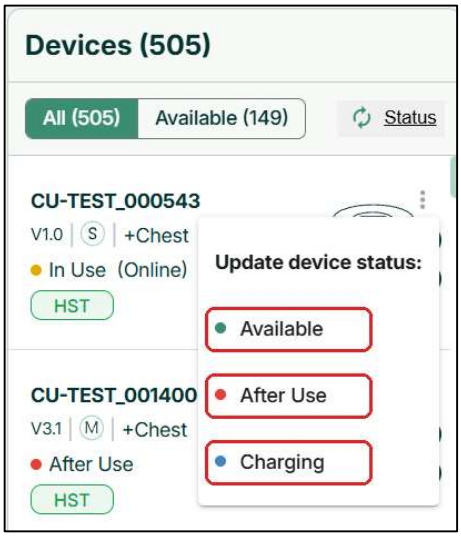

Figure 17. Update device status menu

The following device statuses are available:

- **Available (inspected after use)** – Set the device to this status after the device was returned from a previous test and all actions were completed for the device to be ready for the next use (the device was cleaned and consumables were replaced).
- **After use (awaiting inspection)** – Devices are automatically set to this status when a test is done, indicating that the device is waiting for the technician's attention.
- **Charging** – Optionally set the device to this status while the device is charging.

> **Note:** Device status may also be updated for multiple devices simultaneously using the Status icon located at the top of the Devices List. See figure 18.

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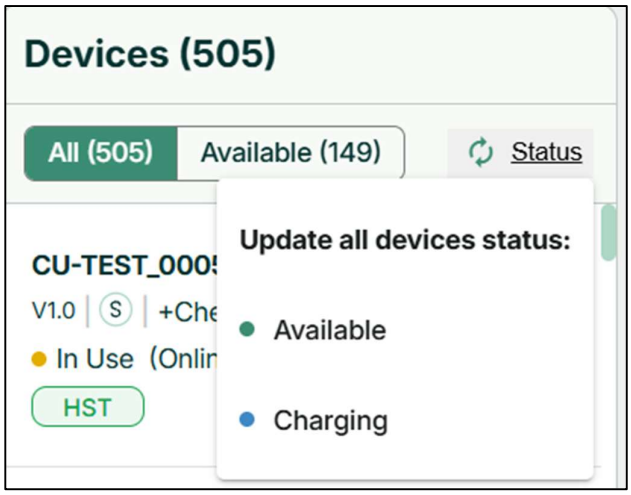
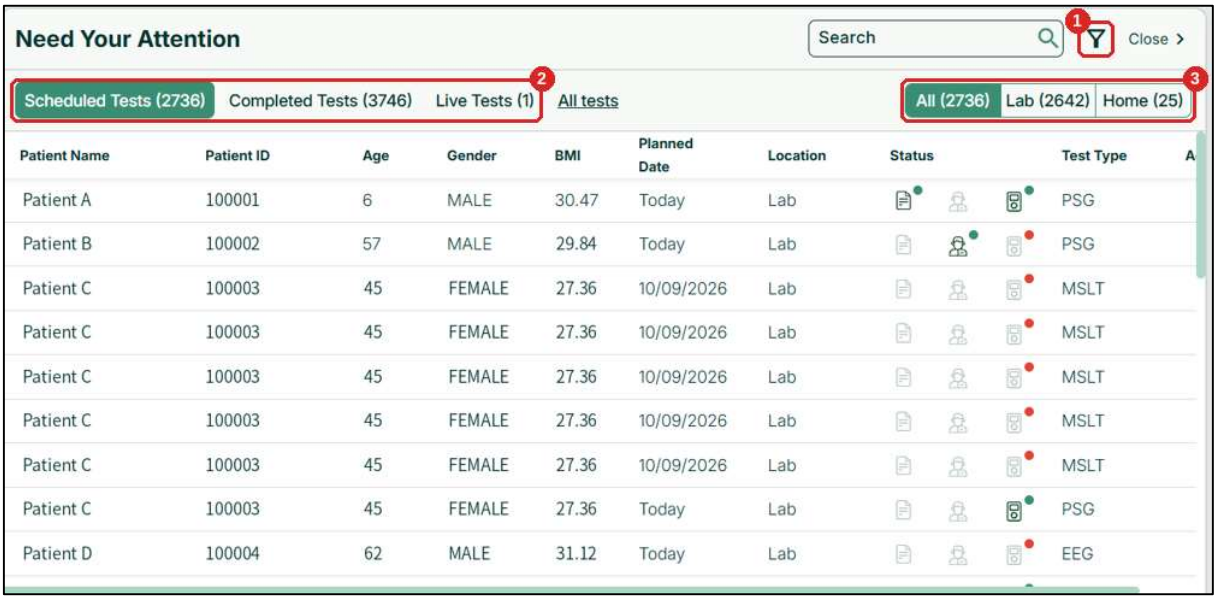


Figure 18. Updating the status of all devices

8.5 Need Your Attention

The Need Your Attention table displays tests requiring user action. The table can be filtered by:

1. **Date Range**
2. **Test Type:** Scheduled, Completed, or Live
3. **Test Location:** Home (Home PSG), Lab (In-Lab PSG), or Both



Patient Name	Patient ID	Age	Gender	BMI	Planned Date	Location	Status	Test Type
Patient A	100001	6	MALE	30.47	Today	Lab		PSG
Patient B	100002	57	MALE	29.84	Today	Lab		PSG
Patient C	100003	45	FEMALE	27.36	10/09/2026	Lab		MSLT
Patient C	100003	45	FEMALE	27.36	10/09/2026	Lab		MSLT
Patient C	100003	45	FEMALE	27.36	10/09/2026	Lab		MSLT
Patient C	100003	45	FEMALE	27.36	10/09/2026	Lab		MSLT
Patient C	100003	45	FEMALE	27.36	10/09/2026	Lab		MSLT
Patient C	100003	45	FEMALE	27.36	Today	Lab		PSG
Patient D	100004	62	MALE	31.12	Today	Lab		EEG

Figure 19. Need Your Attention table

8.6 Scheduled Tests

The Scheduled Tests view displays studies that have been created but have not yet started.

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The Status column indicates:

- Whether the patient anamnesis has been completed
- Whether a technician has been assigned
- Whether a device has been assigned

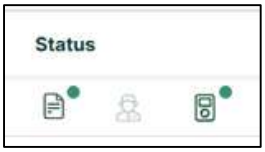

Figure 20. Scheduled Tests status indicators

When all required assignments have been completed, the row is highlighted in green, indicating the study is ready to begin.

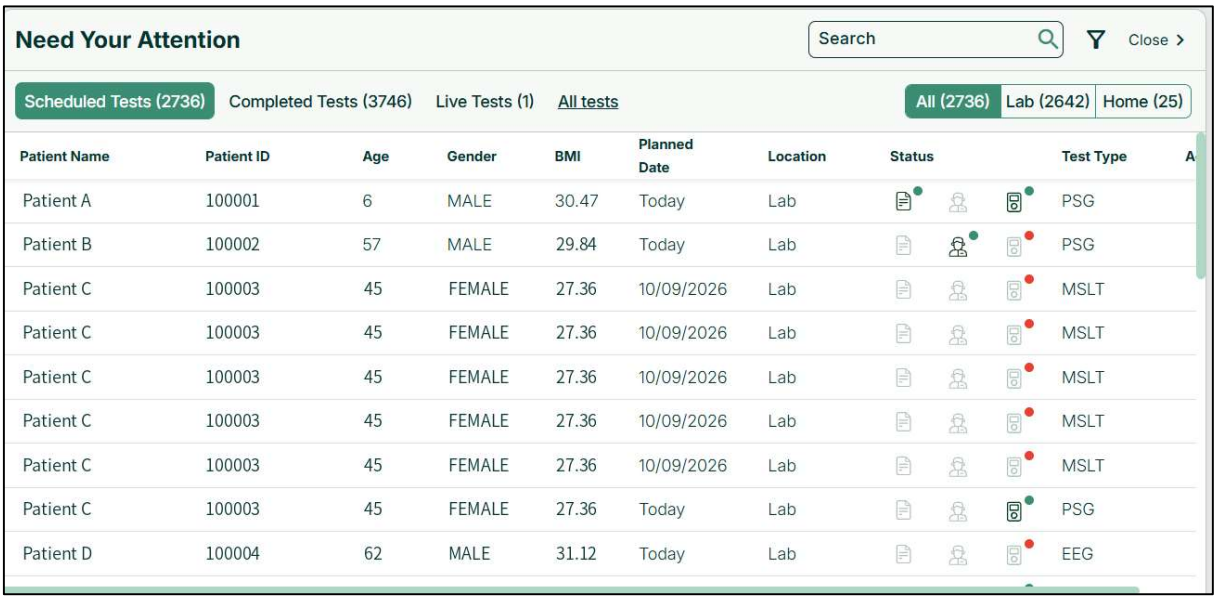

Figure 21. Scheduled Tests view

> **Note:** A study may be started without a completed anamnesis or assigned technician. However, a device must be assigned before the study can be started. Verify that the device provided to the patient is assigned to the correct study.

8.6.1 Available Actions in "Status" Column

Users can:

- Assign or change the technician
- Assign or change the device
- Select **Edit Test** from the three-dot menu to modify the Test Location, Planned Date, and Test Type

Once a study begins, it automatically moves to the Live Tests view.

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8.6.2 Available Actions in “Actions” Column

Select the three-dot menu (⋮) in the Actions column to display the actions available for a study.

Scheduled Tests

- **Patient Details**: opens the patient's record to view their clinical information.
- **Edit Test**: opens the test details for editing, for example, to change the planned date, location, or test type before the study starts.
- **Delete**: permanently removes the scheduled test. This option is available only for tests that have not started recording.
- **Unassign Patient**: removes the patient's association with the test, so the test can be assigned to a different patient.

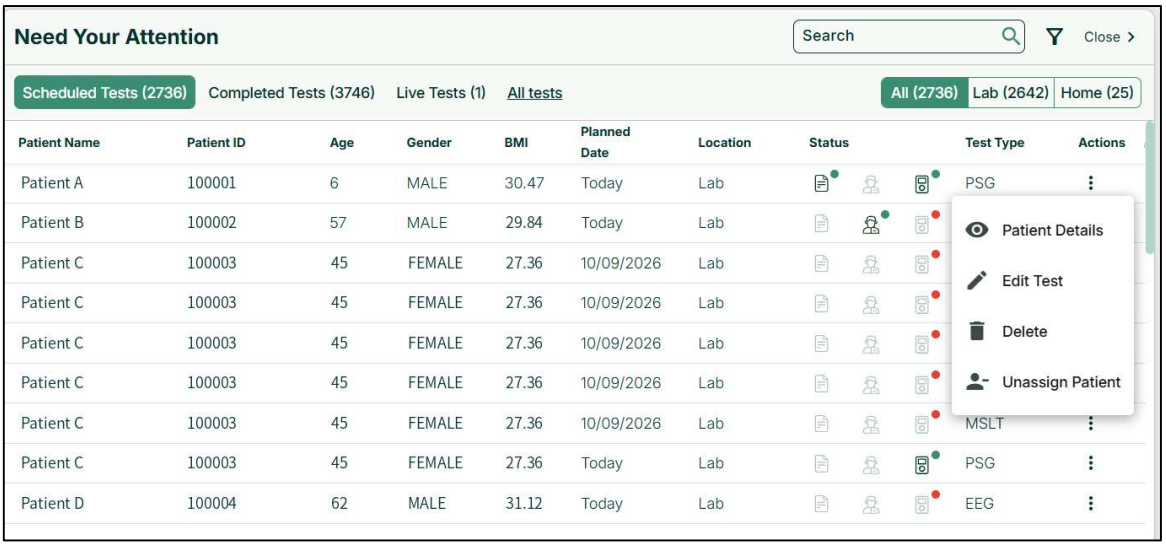

Figure 22. Scheduled Tests – Actions menu

8.7 Completed Tests

The Completed Tests view shows studies that have finished recording. It is the default Dashboard view for scorers. Unlike the Scheduled Tests view, it includes a **Test ID** column, which shows the unique ID of each study.

Each study has three status columns: **Scoring**, **Report**, and **PDF**.

Scoring

The Scoring column shows the scoring status with an icon and, for most statuses, a colored dot. Click the status to open the Working Area.

- **Red dot (no text):** the preprocessing algorithm failed.
- **Pending (no dot):** automatic scoring is complete. The study is waiting for manual review.
- **In Progress (yellow dot):** manual scoring is in progress.

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- **Done (green dot): Save & Submit** was selected in the Working Area.

Report

The Report column shows the report status with a report icon. The icon is gray while the report is pending and dark when it is ready. Click the status to open the Report section. The report moves through these statuses in order:

- **Preliminary report:** a report was generated automatically from the automatic scoring.
- **Pending:** scoring is in progress and **Save & Submit** has not been selected.
- **Ready: Save & Submit** was selected.
- **Done: Approve & Sign** was selected in the Report section.

PDF

The PDF column shows whether the PDF report is available: **Pending** or **Ready**.

The PDF becomes Ready only after **Approve & Sign** is selected in the Report section. This is possible only when scoring is **Done** and the report is **Ready**. When the PDF is ready, click it to open a window where you can download the PDF or cancel.

Auto-scoring workflow

In departments that use the auto-scoring workflow, statuses change automatically when the test is completed:

- Scoring changes to **Done**.
- Report changes to **Ready**.

The report then changes to **Done** when **Approve & Sign** is selected. The PDF follows the same rule as in the manual workflow.

Select the Actions menu (⋮) to display additional options for the study (see Section 8.7.1).

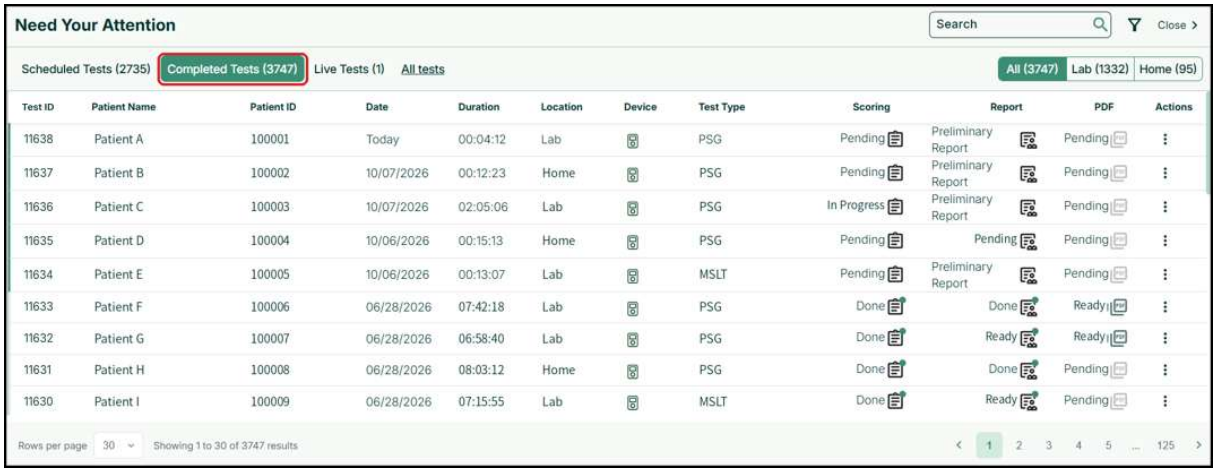

Figure 23. Completed Tests view

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8.7.1 Available Actions in “Actions” Column

Select the three-dot menu in the Actions column to access the following functions:

- Working Area
- Edit Test
- Generate Report
- Auto Scoring
- Patient Details
- Update Medical History
- Review & Edit Tech Notes
- Hide (hidden from the Dashboard but available in the Tests module)
- Unassign Patient

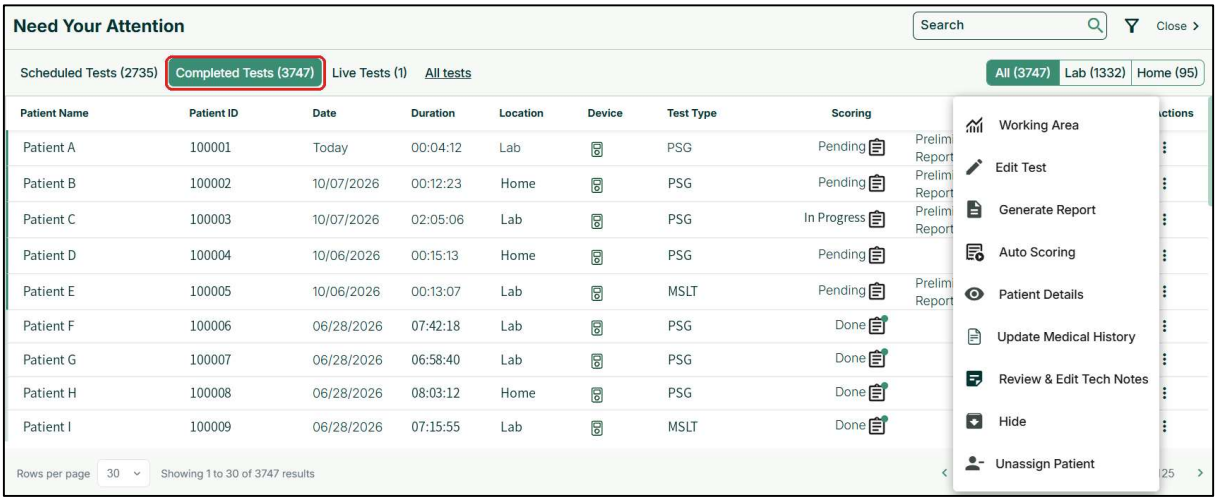

Figure 24. Completed Tests – Actions menu

8.7.2 Working Area

Select **Working Area** to review the recording and perform manual scoring. See Section 10.4 for additional information.

8.7.3 Auto Scoring

Select **Auto Scoring** to execute the automatic scoring algorithm. See Section 10.5 for additional information.

8.7.4 Generate Report

Select **Generate Report** to generate the study report.

> **Note:** Reports can be generated only after the scoring status is **Done**.

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> **Note:** To generate a report, you must score the recording (manually or automatically).

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9. Patients



Figure 25. Patients module in the main menu

9.1 Creating a New Patient

To create a new patient record, select **+ New patient** in the upper-right corner of the screen.



Figure 26. Patients module with the + New patient button

The New Patient window guides the user through four steps: **Main Info**, **Additional Info**, **Comments**, and **Assign Device**.

9.1.1 Main Information

In the Main Information section, enter the patient's demographic and study information.

- Fields marked with an asterisk (*) are required. All other fields are optional.
- Enter the patient's **First name***, **Last name***, and **Patient ID***.
- Specify whether the study will be performed in the Home (Home PSG) or Lab (In-Lab PSG) setting.

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- Select the appropriate **Test Type*** for the study.

  For an MSLT study, select **[MSLT]** as the Test Type. The system automatically creates six linked tests: one overnight PSG test and five MSLT nap tests.
- Enter the anticipated date and time **(Planned Date*)** on which the study is scheduled to be performed.
- If the patient's medical history is maintained in an external document, indicate that an external medical history file is available.
- The Number of Tests field specifies the number of sleep studies to be created for the patient. If no value is entered, one study is created by default. If a value greater than one is entered, the specified number of studies will be created for the patient.
- Select **Pediatric Interpretation** to apply pediatric-specific AASM scoring rules and AHI severity thresholds in the study report.
- Select **Additional Medical History details in an external file** to indicate that further medical history for the patient is available in an external document.

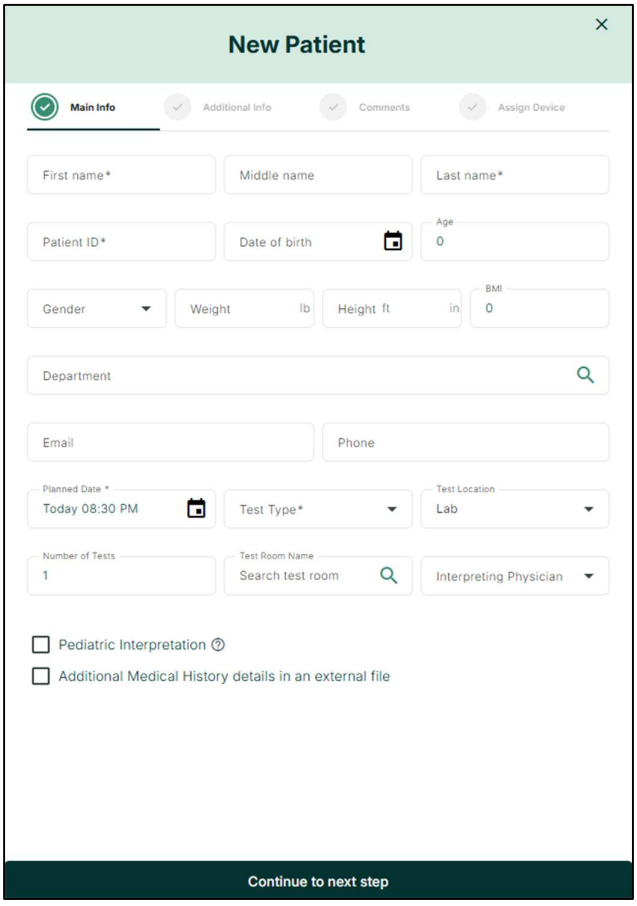

Figure 27. New Patient – Main Info step

After completing all required fields, select **Continue to next step.**

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9.1.2 Additional Information

The Additional Info step allows entry of supplemental clinical information, including the patient's medical history and current medications. This step also provides fields for documenting additional patient information, such as neck size and the Epworth Sleepiness Scale (ESS) score, when applicable. Scroll down to reveal more parameters if needed. **Fields marked with an asterisk (*) are required.**

- History: enter free-text comments about the patient's medical history (up to 2,048 characters), and search for and select relevant conditions in the Medical History field.
- Medications: enter free-text comments about the patient's medications (up to 2,048 characters), and search for and select the patient's current medications in the Known Medications field.
- Clinical and lifestyle information: enter details such as pregnancy, smoking, medical condition, medication groups, alcohol and caffeine use, exercise, stress level, shift work, usual hours of sleep, diagnosed sleep disorders, and neck size (in).
- Demographic information: enter details such as profession, country of birth, education, income level, race, and insurer.
- Epworth Sleepiness Scale: enter the patient's ESS score.
- Referring Doctor Name*: search for and select the referring doctor. The referring doctor's phone and fax numbers are displayed automatically.
- Ordering Physician: select the physician who ordered the study.
- Shipping Address: enter the street, city, state/province, postal code, and country to which the device will be shipped.

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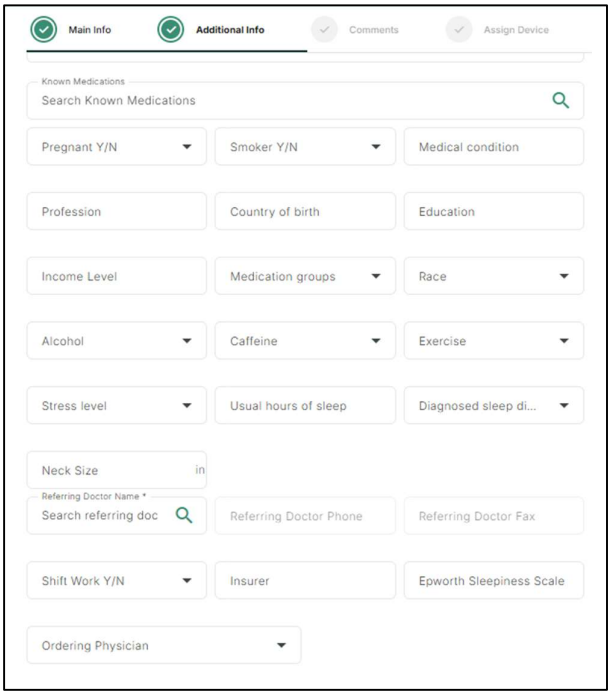

Figure 28. New Patient – Additional Info step (clinical and demographic fields)

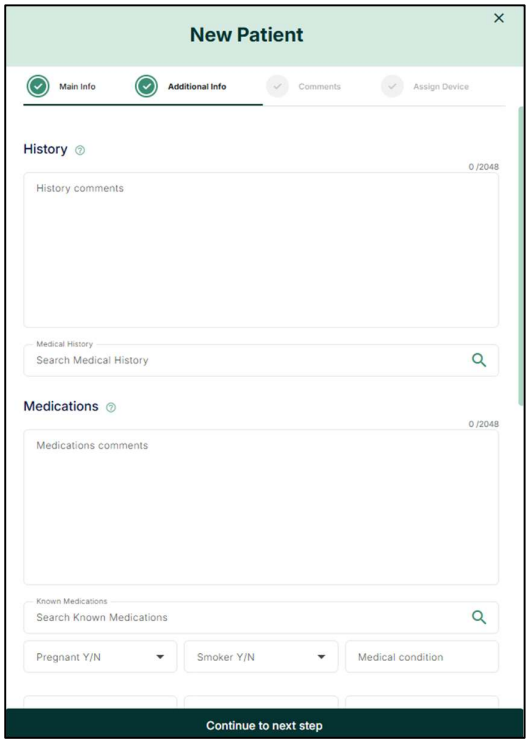

Figure 29. New Patient – Additional Info step (history and medications)



Figure 30. New Patient – Shipping Address fields

> **Note:** Only the Referring Doctor Name field is required in this step. Completing the remaining fields, if known, is recommended to support better analysis of test results.

9.1.3 Comments

The Comments section is intended for any information and relevant notes related to the patient. After entering any comments, select **Continue to Next Step**.

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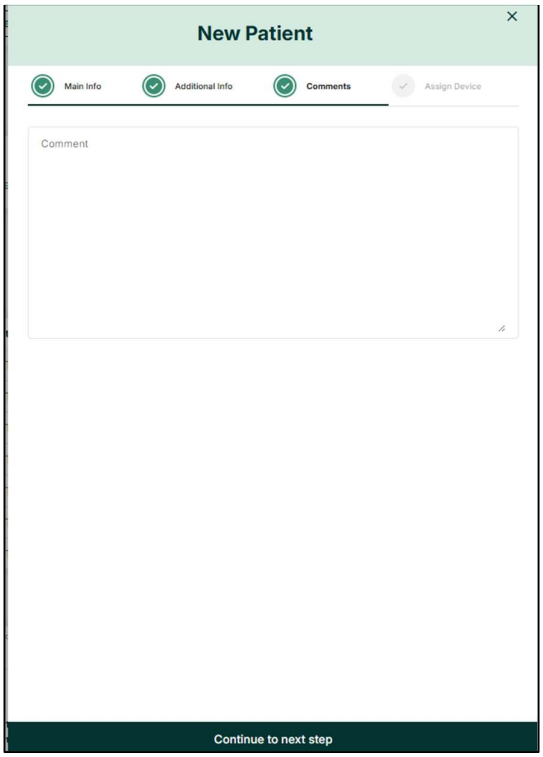

Figure 31. New Patient – Comments step

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9.1.4 Assign Device

The Assign Device section is used to assign a DormoVision X™ recording device to the patient.

The **Available** list displays devices that are currently available for assignment. The **All** list displays all registered devices, including devices that are unavailable. If the device serial number is known, use the Search field to locate a specific device.

When assigning a device, ensure the selected device is appropriate for the patient's needs, including the correct device size.

After assigning the device, select **Save & Close** to create the patient record, or select **+ Add Other Patient** to create an additional patient.

After the patient record is saved, the associated study is added to the Scheduled Tests list.

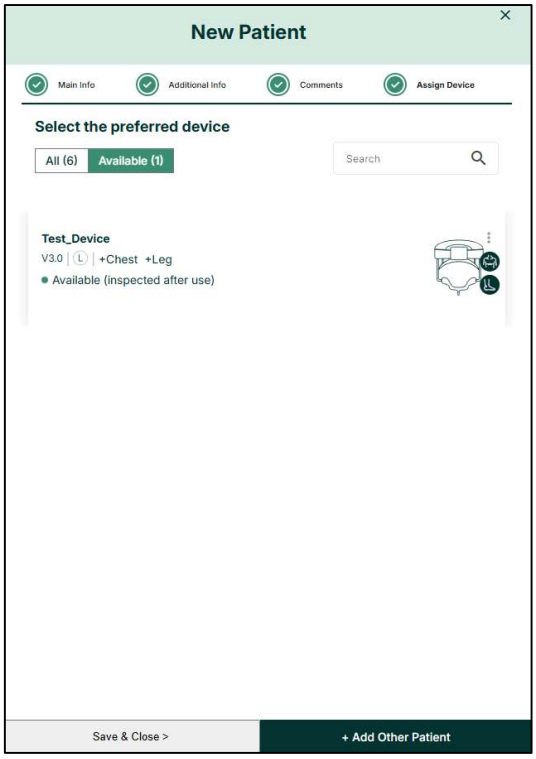

Figure 32. New Patient – Assign Device step

9.2 Creating a Test for an Existing Patient

To create a new study for an existing patient, select **Open Test for an Existing Patient** from the top toolbar. For additional information, refer to Section 10.1.

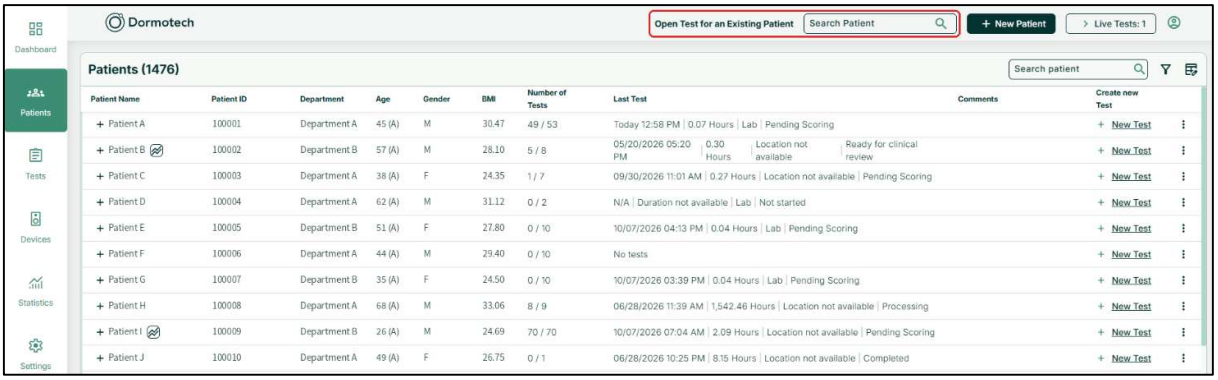

Figure 33. Open Test for an Existing Patient field in the top toolbar

9.3 Patients List

The Patients module displays a list of all patient records in the system. The following information is displayed for each patient:

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- Patient Name
- Patient ID
- Department
- Age: the patient's age, followed by the age group (for example, A for adult).
- Gender
- Body Mass Index (BMI)
- Number of Tests
- Last Test: the date and time, duration, location, and status of the patient's most recent test.
- Comments

Create new Test: select New Test to create a new test for the patient.

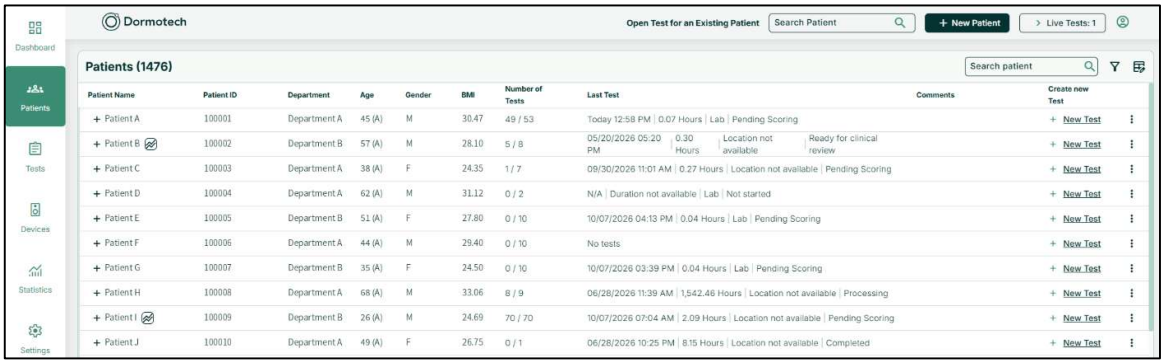

Figure 34. Patients list

Select the expand (+) icon next to a patient's name to display all studies associated with that patient.

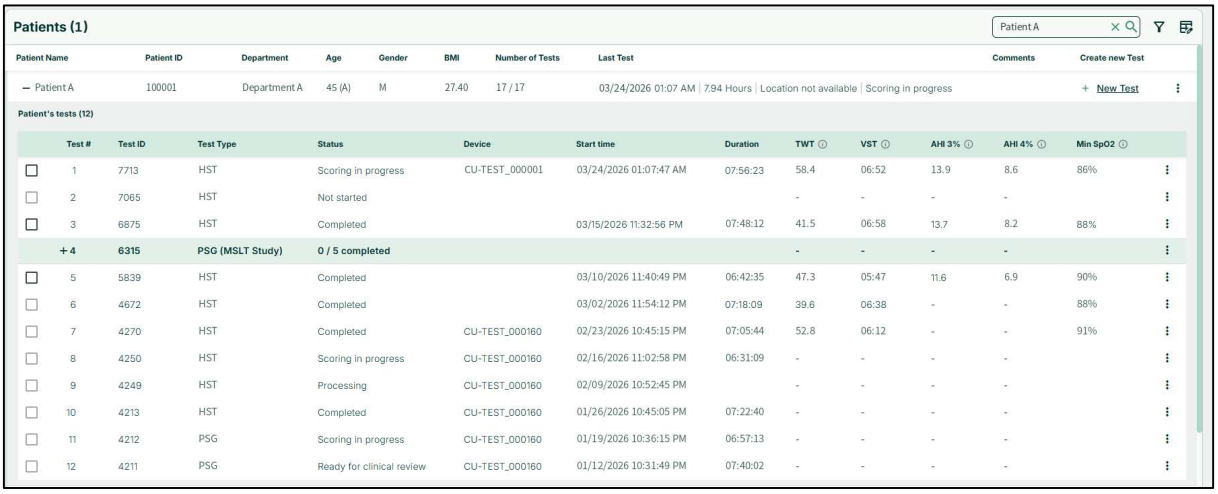

Figure 35. Patient record expanded to show associated studies

Select the More Options (three dots) menu next to the patient record to view the patient's details or delete the patient record.

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Figure 36. Patient More Options menu

Select the More Options (three dots) menu next to an individual study to open the Working Area or Report, generate and download an EDF file, review and edit the technician notes, archive the study, or unassign the patient.

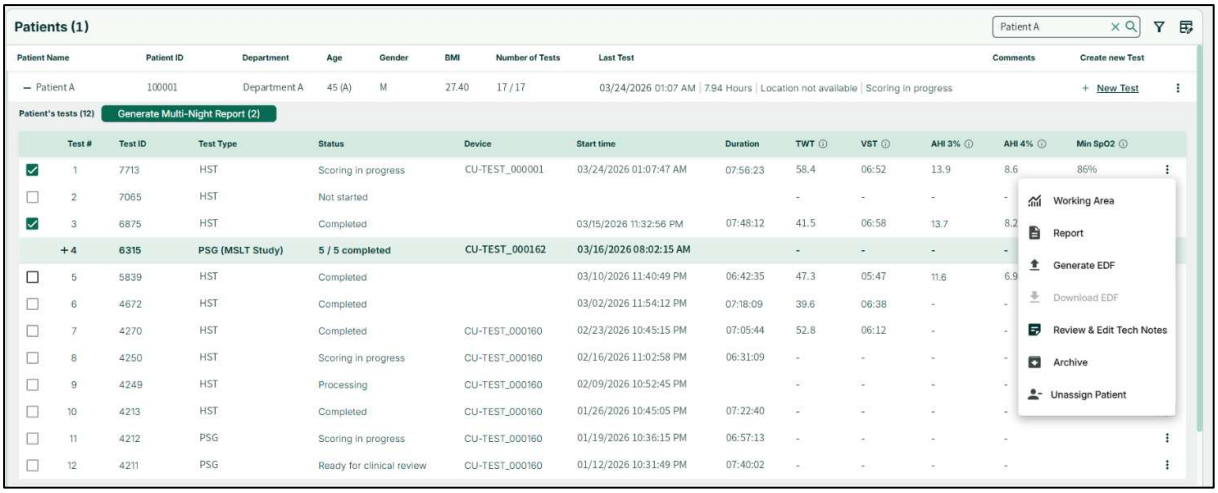

Figure 37. Study More Options menu

Select the **Edit Columns** icon to customize the columns displayed in the patient list.



Figure 38. Edit Columns icon

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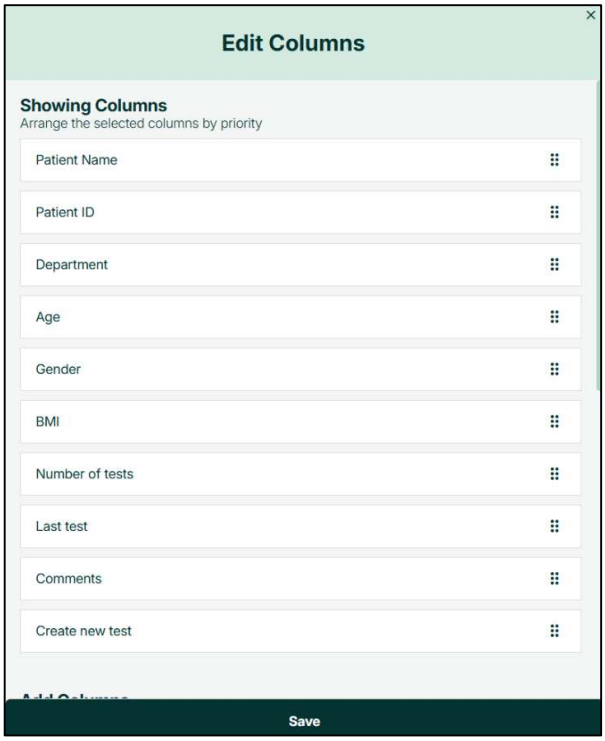

Figure 39. Edit Columns – Showing Columns

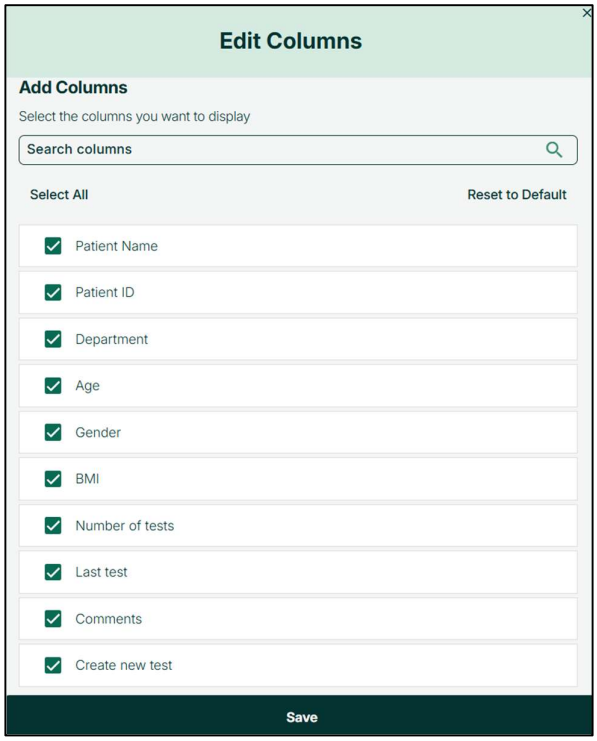

Figure 40. Edit Columns – Add Columns

Select the **Filter** icon to display only patient records that meet specified filter criteria.

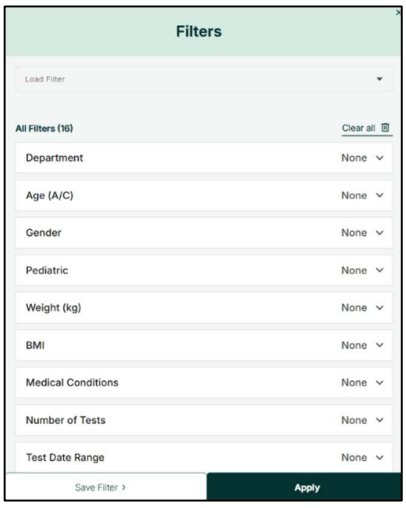

Figure 41. Patients list filter

Use the Search field to locate a specific patient by entering identifying information, such as the patient's name or patient ID.

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Figure 42. Search patient field

9.3.1 MSLT Studies in the Patients List

An MSLT study is displayed in the patient's test list as a **PSG (MSLT Study)** entry, together with the number of nap tests that have been completed (for example, **5 / 5 completed**). A plus sign (+) to the left of the test number indicates that the study has linked MSLT tests. Select the plus sign (+) to expand the study and display its MSLT tests, and select the minus sign (−) to collapse it.

When the study is expanded, the **Study's tests** table lists each MSLT nap test performed after the PSG, in the order in which they were performed. The following information is displayed for each nap test:

- **Test #**: the sequence number of the nap test.
- **Test ID**: the unique identifier of the nap test.
- **Start time**: the date and time at which the nap test started.
- **Duration**: the recording duration of the nap test.
- **Location**: the setting in which the nap test was performed.
- **Status**: the current status of the nap test.
- **Device**: the DormoVision X™ device used for the recording.
- **Test Type**: MSLT.
- **Patient's age** and **Patient's BMI**: the patient's age and BMI at the time of the test.

Each nap is managed as an individual test. Select the More Options (three dots) menu to the right of a nap to edit or delete the test, archive the nap, or unassign it from the patient.



Figure 43. MSLT study expanded to show its nap tests

To edit a nap, select Edit Test from the nap's More Options menu. In the Test Configuration window, update the planned date and time, verify that the Test Type is set to MSLT, select the Test Location, and assign the Test Room. Select Save to apply the changes.

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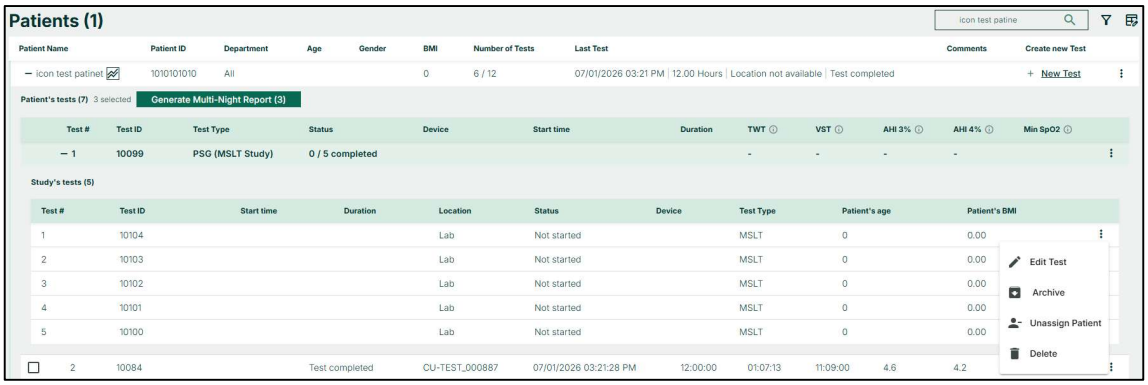

Figure 44. Nap More Options menu

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10. Tests

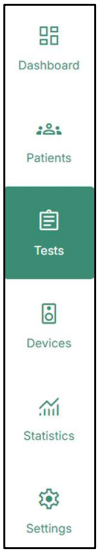

Figure 45. Tests module in the main menu

10.1 Creating a New Test

To create a new study for an existing patient, use the **Open Test for an Existing Patient** field located in the top navigation bar. This field is available from every page in the platform. Search for the patient by name or Patient ID, then select the required patient record to create a new study.



Figure 46. Open Test for an Existing Patient search

The Create New Study window is displayed. Creating a test consists of two steps: **Test Details** and **Device**. Complete the following information:

Step 1: Test Details

Complete the following information. Fields marked with an asterisk (*) are required.

- **Planned Date*:** enter the date and time at which the test is scheduled.
- Technician: select the technician responsible for performing the test.
- Test Location: select Lab (In-Lab PSG) or Home (Home PSG).
- Number of Tests: enter the number of tests to create for the patient. The default value is 1, and up to 10 tests can be created at once.
- Test Room Name: search for and select the room in which the test will be performed.

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- **Test Type*:** select the type of test to be performed. The following test types are available:
  - PSG: an overnight polysomnography study.
  - MSLT: a Multiple Sleep Latency Test. The system automatically creates one overnight PSG test and five linked MSLT nap tests.
  - HST Type II: a Type II home sleep test, an unattended full polysomnography study performed at home.
  - EEG: an electroencephalography recording.
  - Titration: a positive airway pressure (PAP) titration study, performed to determine the optimal therapy settings for the patient.
  - Split Night: a study that begins as a diagnostic PSG and continues as a PAP titration during the same night.

  Titration Type: displayed only when Titration or Split Night is selected as the Test Type. Select the type of positive airway pressure therapy to be titrated:
    - CPAP: Continuous Positive Airway Pressure.
    - BiPAP: Bilevel Positive Airway Pressure.
    - ASV: Adaptive Servo-Ventilation.
    - S/T: Spontaneous/Timed bilevel mode.

  Select Continue to Next Step.

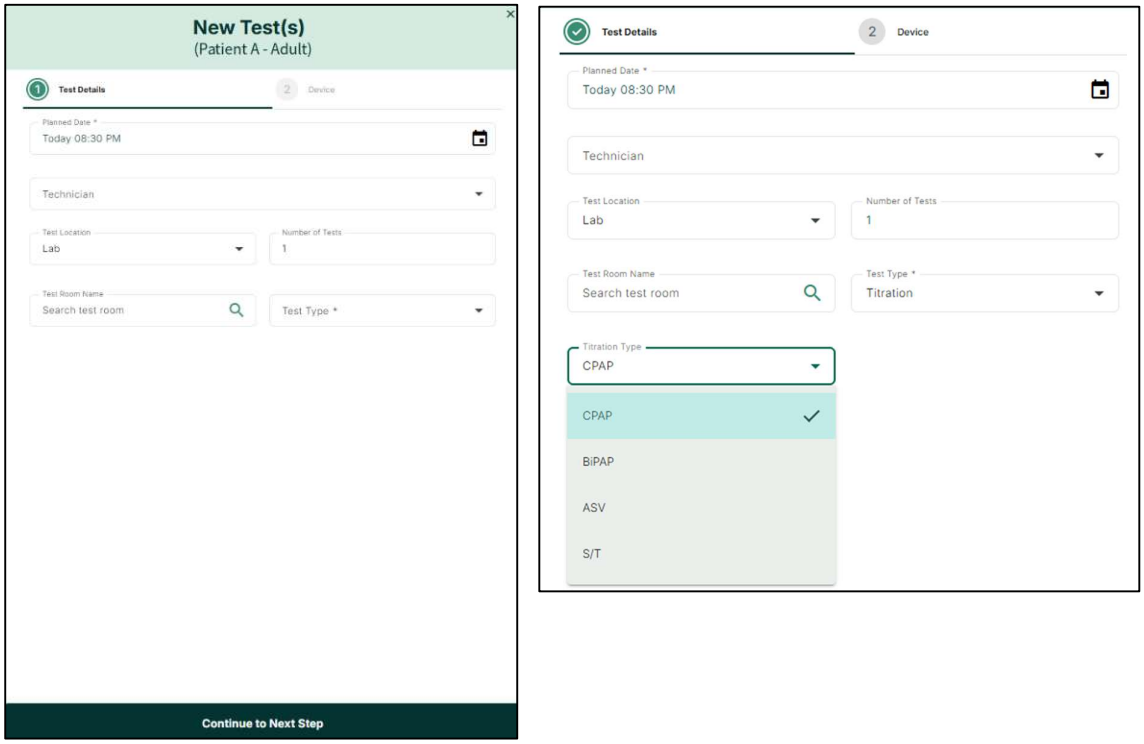

Figure 47. New Test(s) – Test Details step

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Step 2: Device

Select the DormoVision X™ device to be used for the test. Select Available to display only devices that are currently available, or All to display the full inventory. Use the Search field to find a specific device. Each device card shows the device ID, version, size, connected components, and current status.

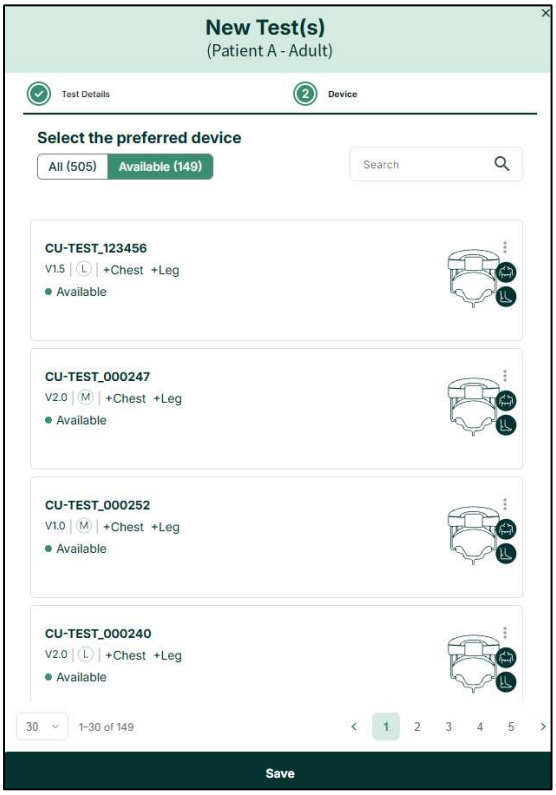

Figure 48. New Test(s) – Device step

Select Save to create the test.

The newly created study is added to the **Scheduled Tests** list and is available for review and assignment.

10.2 Tests List

The Tests module displays a list of all studies in the system along with their associated information.

The following information is displayed for each test: Patient ID, Patient Name, Department, Test ID, Start Time, Status, Duration, Location, Device, Test Type, and Test Logs.

Use the tabs at the top of the list to display tests by status: **All**, **Done**, **Pending Scoring**, **Scoring in progress**, **Scheduled tests**, and **Live tests**. The number in parentheses shows how many tests each tab contains.

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Searching and filtering. To locate a specific study, enter search criteria in the **Search test** field. Select the **Filter** icon to narrow the displayed studies using additional filter criteria.

Customizing the display. Select the **Edit Columns** icon to choose which columns are displayed in the table and in what order.

Viewing test logs. To review system activity associated with a study, select **Test Logs** in the Test Logs column. The test logs provide a chronological record of the system events and actions associated with the study, which can assist in troubleshooting and workflow review.

Each test displays one of the following statuses:

- **Not started**: the test has been scheduled but recording has not yet begun.
- **Processing**: recording is complete and the system is done running the automatic algorithms on the study.
- **Pending Scoring**: processing is complete and the study is ready for manual or automatic scoring.
- **Scoring in progress**: a user is currently reviewing or editing the study annotations.
- **Pending Interpretation**: scoring is complete and the study is awaiting review by the interpreting physician.

Completed: the study has been fully reviewed and the report is finalized.



Figure 49. Tests list

Select the More Options (three dots) menu at the end of a study row to access the available actions:

- **Working Area** – Opens the Working Area for the selected study, where users can review recorded signals, perform automated or manual scoring, and generate the sleep study report.
- **Report** – Opens the Report screen, where users can review calculated study results and enter or modify report information, including patient history, medications, and other clinical notes, as applicable.
- **Generate EDF** – Generates a European Data Format (EDF) file for the selected study. Once the file has been generated, the **Download EDF** option becomes available to download the recording.
- **Download EDF**: downloads the generated EDF file.

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- **Review & Edit Tech Notes**: displays the technician's notes for the study and allows them to be edited.
- **Patient Details** – Opens the patient's record, allowing authorized users to review and edit patient information.
- **Archive**: moves the study to the archive.
- **Unassign Patient**: removes the patient's association with the study.
- **Export Data**: exports the study data.
- **Upload Backup File: used when** a test was not uploaded automatically. In this case, the patient first uploads the test data to the server manually. A platform user then selects **Upload Backup File** for the specific test, to complete the upload of the test to the platform. After the upload is complete, the test duration, start time, and end time are updated from the backup file.

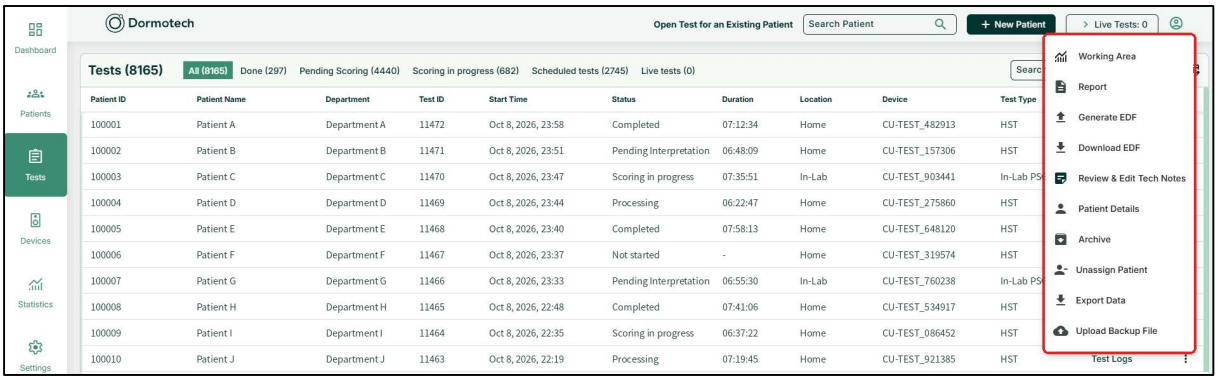

Figure 50. Tests list – More Options menu

10.3 Live Tests

The Live Tests module allows users to monitor studies that are currently in progress.

To access the Live Tests screen, select the **Live Tests** button located in the upper-right corner of the platform.



Figure 51. Live Tests button

When a study is started, it is added to the Live Tests list and displays the study Start Time.

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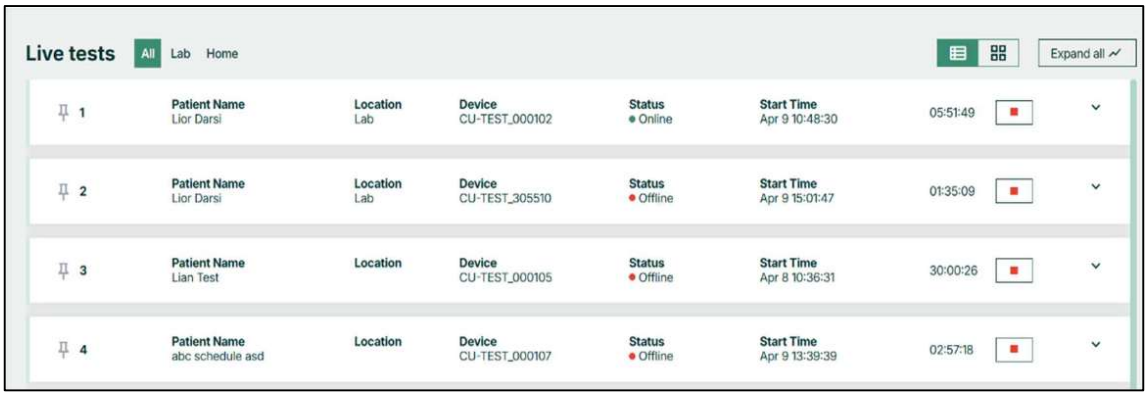

Figure 52. Live Tests list

Select the Expand arrow next to a study to display the live streaming physiological signals. Select the **Cube View** icon to display the streaming data using the cubic view layout.

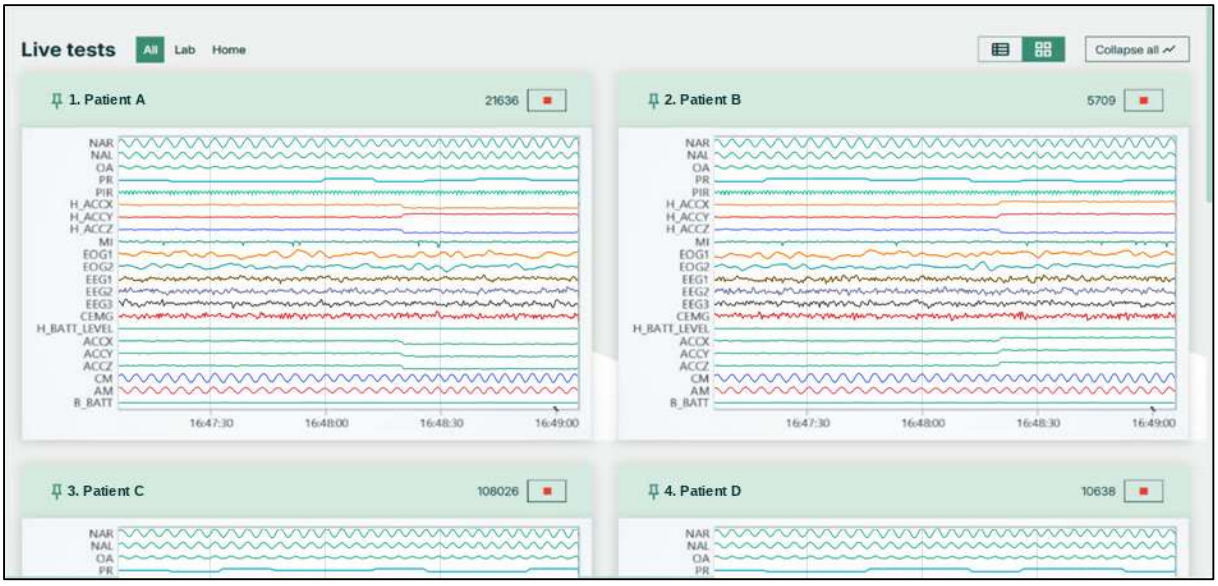

Figure 53. Live streaming signals in Cube View

Select **Expand All** to display the live streaming data for all active studies simultaneously.

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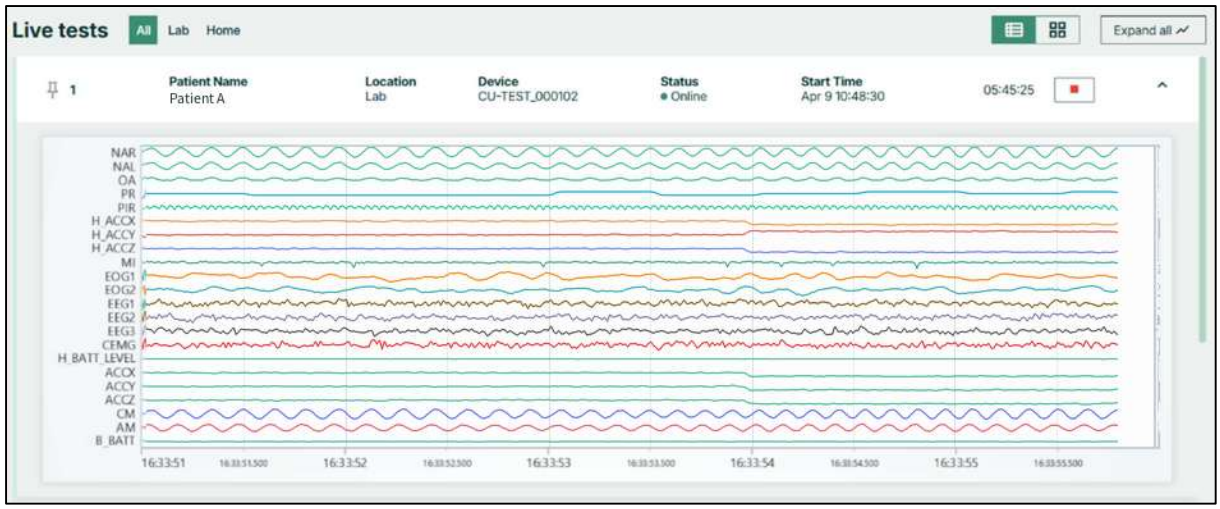

Figure 54. Expanded live streaming signals

> **Note:** Each live study can also be displayed in full-screen mode by selecting the Full Screen icon located in the upper-right corner of the study window.

To end an active study, select the **Stop** button adjacent to the study timer. A confirmation prompt is displayed before the study is terminated.

10.4 Working Area

10.4.1 Working Area Overview

The scoring workspace (working area) provides the tools necessary to review recorded physiological signals, edit scored events, navigate the study timeline, and prepare the study for clinical interpretation.

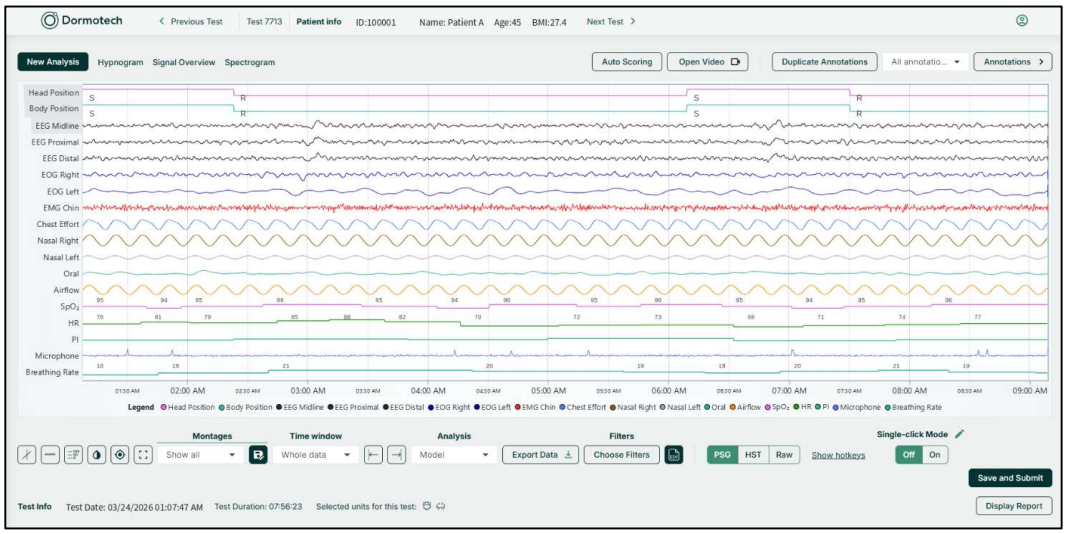

Figure 55.Working Area overview

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10.4.2 Top Navigation Bar

The top navigation bar displays study and patient information for the currently selected study and provides navigation between studies for the same patient.

Figure 56. Top navigation bar

- **Previous / Next test:** Select the **Previous** or **Next** arrows to navigate between studies associated with the same patient.
- **Test Number:** Displays the unique study identifier assigned automatically.
- **Patient Info:** Displays the Patient ID, Patient Name, Age, Sex, and Body Mass Index (BMI).

Select the **Patient ID** to open the **Patient Details** window, where patient information can be viewed or edited.

Before beginning manual scoring, verify that the correct study and patient information are displayed.

If no patient is assigned to the study, select **Assign Patient** 

to assign an existing patient or create a new patient record.

10.4.3 Analysis Tabs

The Analysis Tabs provide different views of the study data for review and analysis.

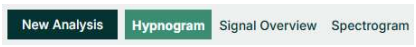

Figure 57. Analysis tabs

- **New Analysis** – Creates a new, blank analysis for the current study.
- **Hypnogram** – Displays a graphical overview of the scored sleep stages throughout the study.
- **Signal Overview** – Displays one or more physiological signals across the duration of the study, providing an overview of signal quality and recorded events.
- **Spectrogram** – Displays a time-frequency power map for the selected EEG signal, allowing visualization of changes in signal frequency content over time.

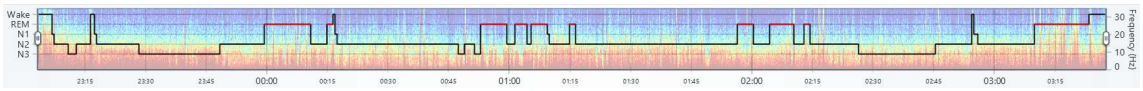

Figure 58. Hypnogram view

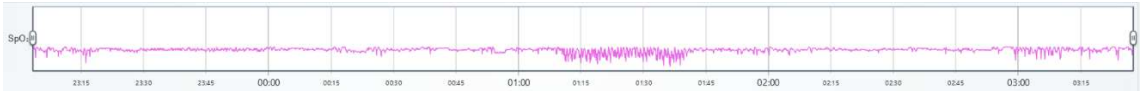

Figure 59. Signal Overview view

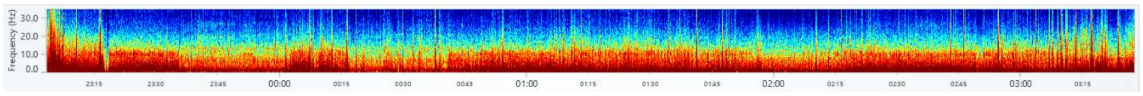

Figure 60. Spectrogram view

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10.4.4 Bottom Toolbar



Figure 61. Bottom toolbar icons



Figure 62. Start and End navigation buttons

The bottom toolbar icons, from left to right:

- **Scorer Notes**: Opens the Scorer Notes window, where the scorer can enter free-text notes about the study. Scorer notes are displayed in the General Information section of the report
- **Toggle Y-axis ticks** – Displays or hides amplitude values along the Y-axis.
- **Toggle X-axis ticks** – Displays or hides vertical grid lines along the X-axis.
- **Toggle value labels** – Displays or hides numerical values associated with the selected signals.
- **Toggle alternating background** – Displays or hides the alternating background shading within the signal display.
- **Toggle chart cursor** – Displays or hides the cursor information box and reference lines when the pointer is moved over the displayed signals.
- **Expand to full screen** – Expands the Working Area to full-screen size.
- **Start / End navigation** – Select the arrow buttons to navigate directly to the beginning or end of the study.

10.4.5 Adjusting the Signal View

The Scoring Workspace allows users to customize the display of physiological signals for review.

Adjusting signal amplitude. To adjust the amplitude of an individual signal:

- Position the pointer over the signal name and rotate the mouse scroll wheel.
- Alternatively, hold **Alt**, press and hold the left mouse button, and drag the pointer up or down.
- To return the signal to the default automatic scaling, double-click the signal name.

Changing signal order. To reorder signals, select and drag the signal name to the desired position along the Y-axis.

Changing signal color. To change the display color of a signal, right-click the signal name and select the desired color from the available options.

Setting the reference line or amplitude range. To modify the reference line or amplitude range for a signal, right-click the signal name and select the desired reference line or amplitude range. Adjusting these settings may improve visualization of the signal.

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Figure 63. Signal name right-click menu

Removing or adding signals. To display or hide individual signals, select or clear the corresponding signal name in the **Legend** located at the bottom of the Scoring Workspace.



Figure 64. Signal Legend

Displaying a different group of signals. To display a different group of signals:

- Select the desired montage from the **Montages** list.
- Adjust the displayed time window as needed.
- Keyboard shortcuts may also be used to navigate directly to predefined time windows.

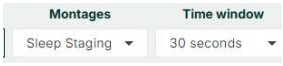

Figure 65. Montages and Time window lists

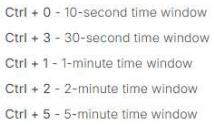

Figure 66. Time window keyboard shortcuts

10.4.6 Navigation

The Scoring Workspace provides multiple methods for navigating the study timeline and adjusting the displayed time window.

Navigate the study timeline. Users may navigate along the X-axis using any of the following methods:

- Rotate the mouse scroll wheel to scroll through the study timeline.
- Use the Left Arrow and Right Arrow keys to move backward or forward by the configured time window (epoch).
- Press and hold the right mouse button while the pointer is positioned over the time axis, then drag left or right.

Zoom in to an area. To enlarge a specific portion of the study, use either of the following methods:

- **Method 1:** Click and drag to select the desired time interval, right-click within the selected area, and select **Zoom to Area**.
- **Method 2:** Press and hold **Shift**, then click and drag the left mouse button from left to right over the desired time interval.

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Reset the zoom. To return to the default display, press and hold **Shift**, then click and drag the left mouse button from right to left. The display returns to the default time window.

10.4.7 Export Tools

The Export Tools allow study data to be exported for external review or archival purposes.

- Select the **Export EDF** icon to generate an EDF file containing the filtered physiological signals for the current study.
- Annotations can be exported to a CSV or XML file by selecting **Export Data** 

.

10.4.8 Signal Processing

The Signal Processing and Automated Scoring tools allow users to reprocess recorded signals and rerun automated analysis.

Reprocess signals. To modify signal filtering or reprocess raw physiological signals:

1. Select the Signal Processing icon 

.
2. Select the signal groups to be reprocessed (for example, EEG or Airflow) or select all available signal groups.
3. Apply the desired processing.

10.4.9 Duplicate Events

Select the **Duplicate Annotations** button 

to copy scored events from the current analysis to another analysis. Choose the destination analysis before completing the duplication.

10.5 Automatic Scoring

Auto scoring insights

- The algorithm automatically scores events during wake, so that the user can review the signals and change the scoring when needed. To keep the Working Area clear, auto-scored events that occur during Wake are hidden by default. If an epoch is manually changed from Wake to a sleep stage, the auto-scored events in that epoch become visible for review. The algorithm does not include events scored during wake in the final report calculations. If needed, all events in wake can be deleted by right-clicking anywhere in the Working Area and choosing Clear annotations from wake.
- The algorithm automatically associates events together, for example respiratory events with arousals or desaturations, to follow AASM criteria.

To initiate automated scoring:

1. From the **Tests** module, locate the required study.
2. Click the **More Options** menu, represented by the three dots in the **Actions** column.
3. Select **Working Area**.
4. In the Working Area, click **Auto Scoring**.

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5. The **Select Auto Scoring** window opens.
6. Select the parameters to be analyzed, then click **Run**.

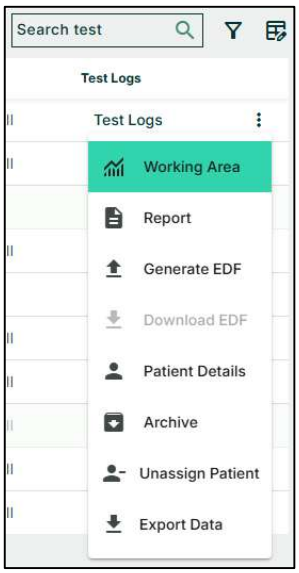

Figure 67. More Options menu – Working Area option

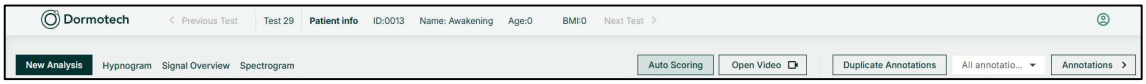

Figure 68. Auto Scoring button in the Working Area

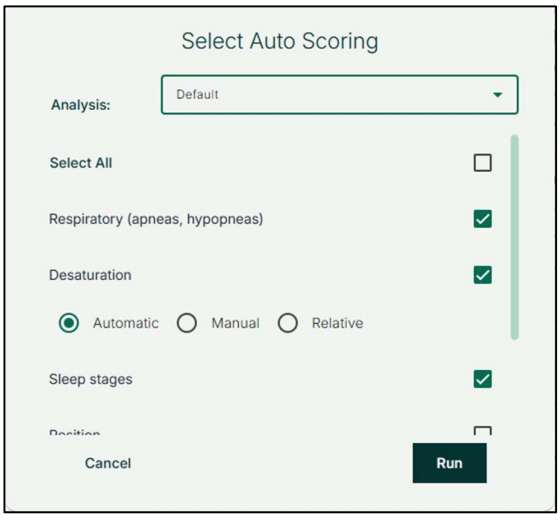

Figure 69. Select Auto Scoring window (upper options)

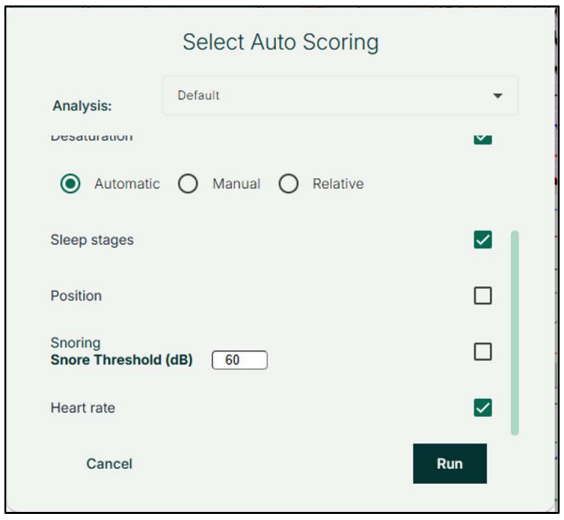

Figure 70. Select Auto Scoring window (lower options)

Option	Description

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Analysis	Selects the analysis configuration to be used. The default configuration is displayed as Default.
Select All	Selects or clears all available scoring parameters at once.
Respiratory (apneas, hypopneas)	Automatically detects and scores respiratory events, including apneas and hypopneas.
Desaturation	Detects and scores oxygen desaturation events.
– Automatic	Uses a baseline oxygen saturation of 98% throughout the study.
– Manual	Allows the user to define a fixed baseline oxygen saturation for the study.
– Relative	Uses a local baseline oxygen saturation for event detection.
Sleep stages	Automatically analyzes and assigns sleep stages throughout the study.
Position	Automatically detects and scores the patient's body position during the study.
Snore Threshold (dB)	Defines the sound-level threshold used for snoring detection. The displayed default value is 60 dB.
Heart rate	Automatically analyzes heart-rate data during the study.
Run	Starts automated scoring using the selected parameters.

> **Note:** For MSLT studies, auto scoring, when available, is run separately for each nap from that nap's Working Area.

10.6 Manual Scoring

10.6.1 Scoring Sleep Stages and Respiratory Events

Click **Show hotkeys**  to view all keyboard shortcuts.

Scoring sleep stages. Choose the **Sleep Staging** montage on a 30-second time window (default). Score each epoch using the keyboard shortcuts:

- **1** – Wake
- **2** – N1
- **3** – N2
- **4** – N3
- **5** – REM

Pressing one of the numbers automatically scores the epoch and moves you to the next one. Holding the key down scores consecutive epochs continuously.

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> **Dormotech Tip:** View the hypnogram while scoring. Use the Signal Overview to view Breathing Rate and HR to see fluctuations in signals that can help indicate a specific sleep stage or wakefulness.

To score an arousal, click and drag to select a specific area, then use the keyboard shortcut **6** to mark the area as an arousal.

To score a chin movement, click and drag to select a specific area, then use the keyboard shortcut K to mark the area as a Chin Movement event.

Scoring respiratory events. Choose the **Respiratory** montage on a 3, 5, or 10-minute window. You have a few options to score events:

- Click and drag to select a specific area, then use the keyboard shortcuts to score an event (for example, **H** for hypopnea, **C** for central apnea, **O** for obstructive apnea, **D** for desaturation). For desaturation scoring, the system automatically calculates the percentage drop according to the local baseline.
- Click and drag to select a specific area. Right-click the area and choose the annotation from the menu.
- Activate **Single-click Mode**: click **On** and choose the event you want to score. Click one of the Airflow channels to automatically add a 10-second event. Clicking an existing annotation scrolls through all respiratory event options.



Figure 71. Single-click Mode

> **Dormotech Tip:** Add one of the EEG or EOG channels to view scored arousals while scoring respiratory events.

10.6.2 Editing Existing Annotations

Editing existing annotations. To edit an existing annotation, right-click it and select the desired action from the menu. Options include:

- Removing this specific event
- Removing all events of the same type in a specific time window or in the entire test
- Changing all events of the same type
- Changing the annotation to another type within the same group

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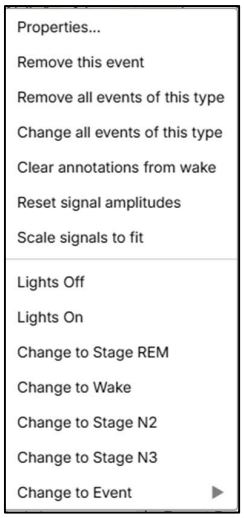

Figure 72. Annotation right-click menu

You can also use the following keyboard shortcuts:

- **Ctrl + left-click and drag** – Move the annotation
- **Ctrl + right-click and drag** – Change the annotation length

10.7 Reports

10.7.1 Generating a Report

When a study is completed, the DormoVision X™ platform automatically generates a report using the default automated scoring analysis.

If changes are made to the study after the report has been generated, a new report must be generated to incorporate the updated scoring results.

To generate a new report:

1. In the Working Area, select **Save and Submit** Save and Submit.
2. From the Analysis list, select the desired analysis.
3. From the Scored by list, select the appropriate scorer.
4. Select Generate to generate the report, or Close to return to the Working Area without generating it.

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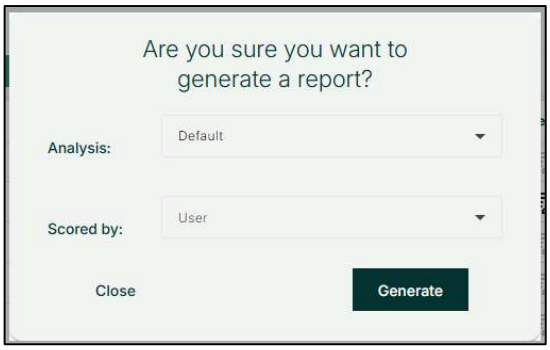

Figure 73. Generate report confirmation window

When report generation is complete, select **Display Report** to view the updated report.

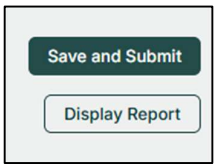

Figure 74. Save and Submit and Display Report buttons

The report can also be accessed from the **Completed Tests** view on the Dashboard. When the report has been generated, its status in the **Report** column changes to **Ready**. After a PDF of the report is generated, the status changes to **Done**.

> **Note:** Changes made to the study after report generation are not reflected in an existing report. Generate a new report whenever modifications are made to ensure the report reflects the current analysis and scoring results.

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10.7.2 Editing the Report Sections

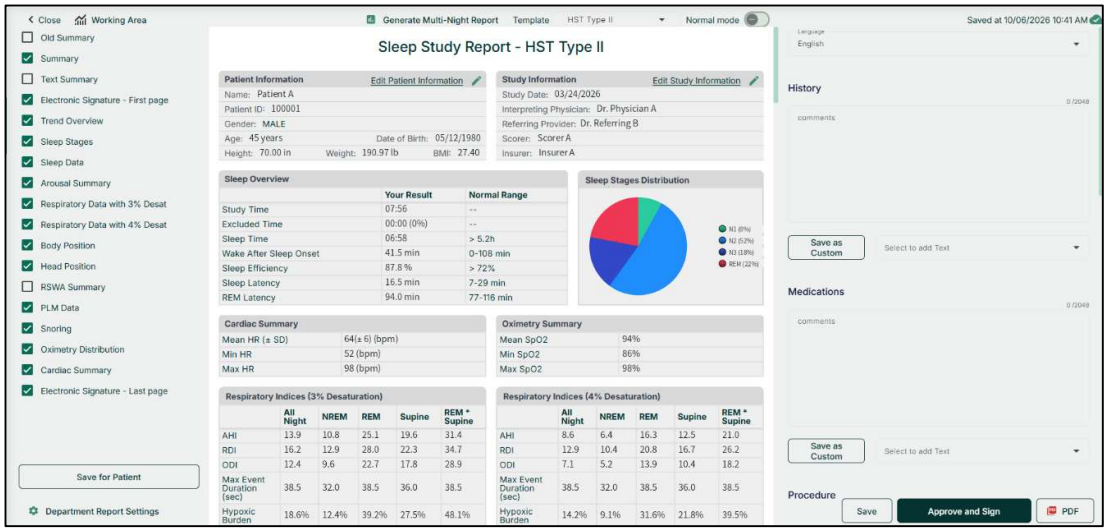

Figure 75. Sleep study report screen

Left sidebar – report sections. Use the **Left Sidebar** to select the report sections that will be included in the patient report. Select or clear the desired report sections. Click **Save for Patient** to apply the selected report layout as the default for future reports generated for the current patient.

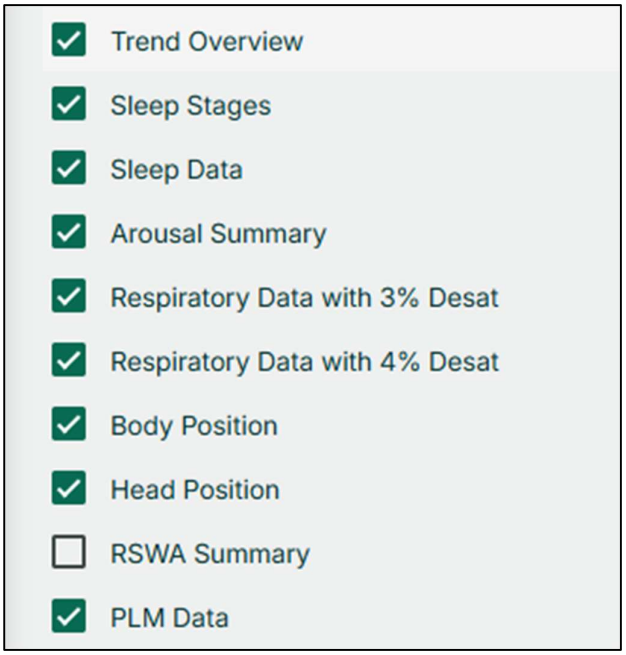

Figure 76. Left sidebar – report sections

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> **Note:** Changes made using **Save for Patient** apply only to the selected patient unless modified at a later time.

Department report settings. To set the default report layout and appearance for the whole department, click the Settings icon (gear) at the bottom left sidebar.

The **Department report settings** window opens. It has three tabs: **Sections**, **Palettes**, and **Customizations**. After making changes in any of the tabs, click **Save All** to save them, or **Cancel** to close the window without saving.

Sections tab. Use the Sections tab to choose the default sections that are included in each report type in the department.

- Select a report type from the tabs at the top of the list, for example **HST Type II**, **PSG In Lab**, **PSG**, **EEG Report**, **MSLT Study**, or **Multi Night EEG**. Use the arrows to scroll to additional report types.
- Select or clear the report sections to include by default for the selected report type.
- Some sections contain fields that can be selected individually. For example, under **Summary**:
    - **Patient Information**: Name, ID, Gender, Date of Birth, Age, Weight, Height, BMI, and Address.
    - **Study Information**: Study Date, Interpreting Physician, Scored By, Referring Provider, Referring Provider Phone, Referring Provider Fax, Insurer, Epworth Sleepiness Scale, and Device Number.
- Fields that are greyed out, such as Name, Date of Birth, Age, and Study Date, are always included and cannot be cleared.

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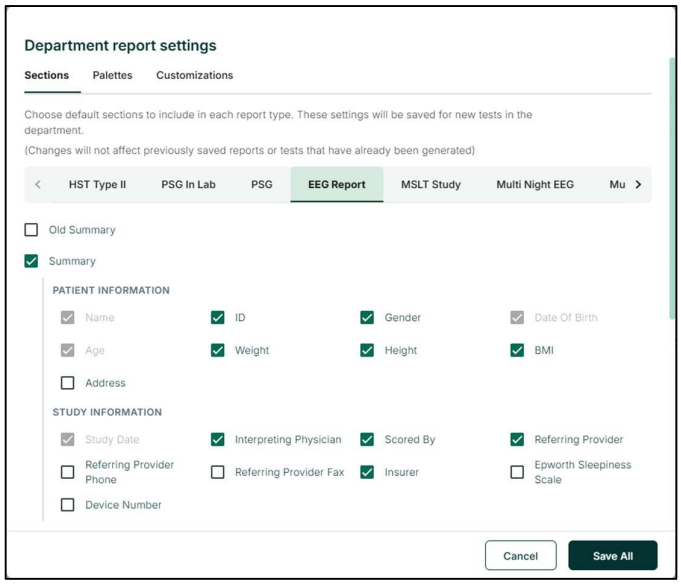

Figure 77. Department report settings – Sections tab

Palettes tab. Use the Palettes tab to choose the colors used to draw the department's reports. Two palettes can be set:

- Report palette: the colors of the report as displayed on screen.
- PDF palette: the colors of the generated PDF report, including its footer.

The following palettes are available:

- Not set (Default): the Default palette is used.
- Black & White: a grayscale palette, optimized for black-and-white printing.
- Default: the standard color palette.
- Print Ready: [a color palette optimized for printing].

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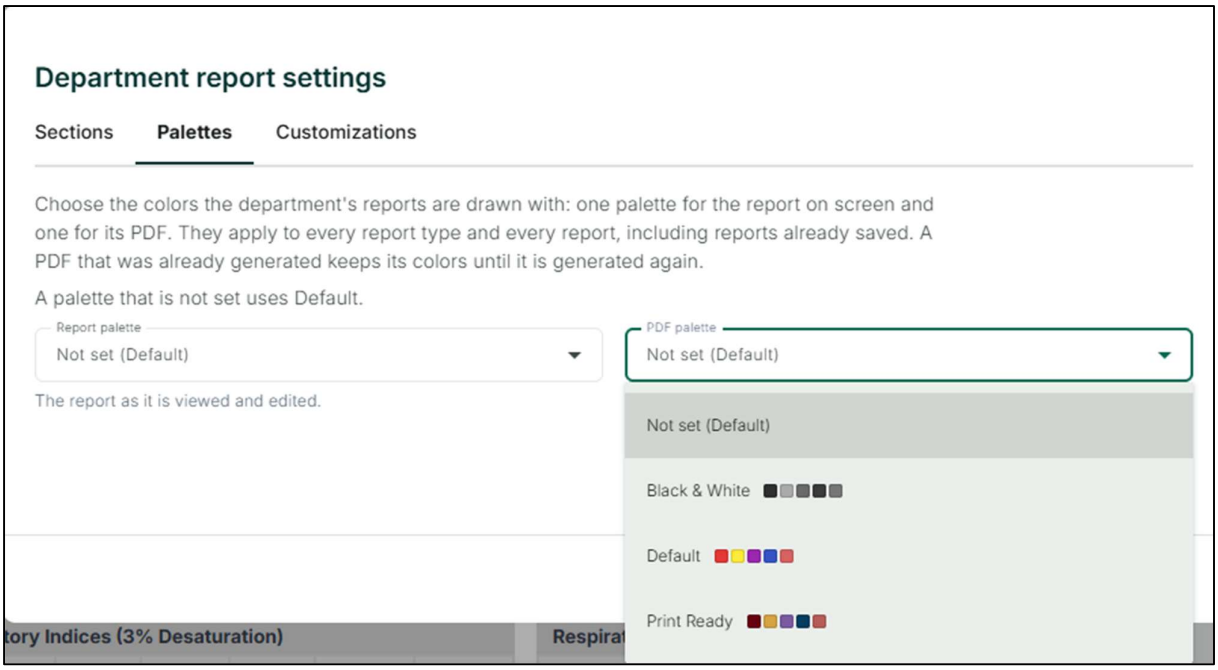

Figure 78. Department report settings – Palettes tab

Customizations tab. Use the Customizations tab to choose how the department's reports are laid out. Under Trend overview, select how each graph in the Trend Overview section is named:

- Side labels: an icon and name are displayed beside each graph.
- Headers only: a title is displayed above each graph, and the graph takes the full width of the page.



Figure 79. Department report settings – Customizations tab.

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Right sidebar – report content. Use the Right Sidebar to review and edit the report text fields, including:

- Patient History
- Medications
- Procedure
- Description
- Technician Notes: notes entered by the technician during the live test.
- Scorer Notes: notes entered by the scorer in the Working Area.
- Impression
- Recommendations

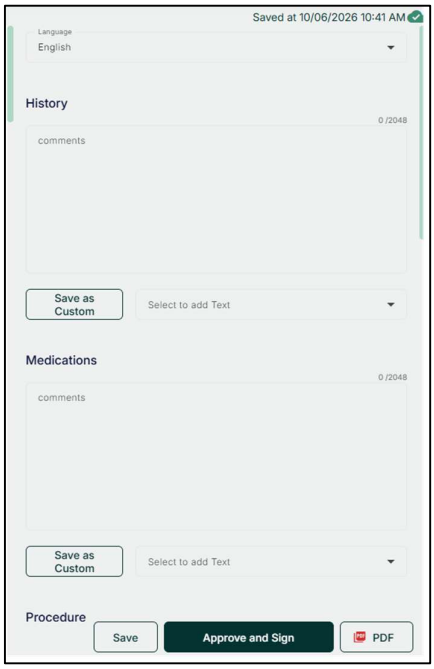

Figure 80. Right sidebar – report content fields

Each field may be completed manually or populated by selecting **Autofill**, which imports available patient information into the corresponding section.

After making changes to a field, click **Save** to retain the updated information.

To save customized text for future use, click **Save as Custom**. Saved custom text can be reused when generating reports for subsequent patients.

Editing within the report. Some sections of the report can be edited directly from the report screen. Click the **pencil icon** next to a report section to open its editing options. For example, click the pencil icon in the **General Information** section to choose whether to display the Technician Notes and Scorer Notes in the report.

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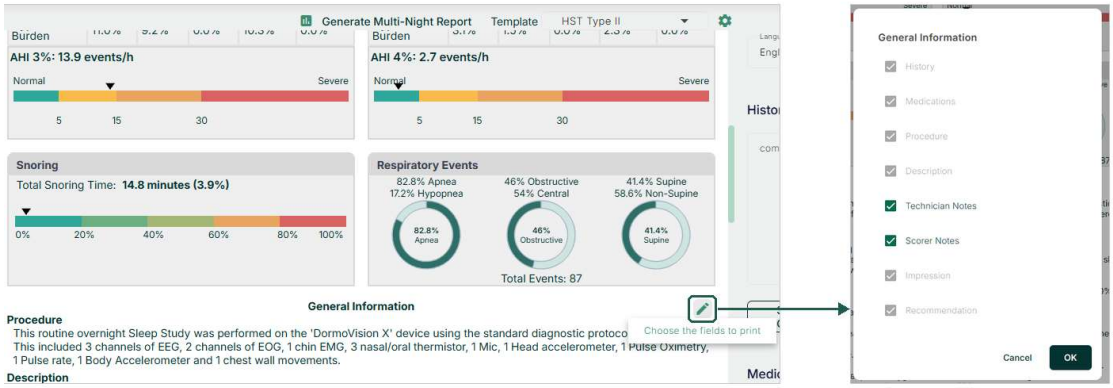

Figure 81. General Information section – choosing the fields to show.

10.7.3 Approving and Signing the Report

After verifying that the report content is complete and accurate, the interpreting physician selects Approve and Sign to sign the report. The Approve and Sign option is available only to users with the Interpreting Physician and External Interpreting Physician role.

To download a copy of the report, select PDF. The report is downloaded as a PDF file. This PDF is for preview only and does not have an automatic signature.

> **Important:** Once the PDF report has been Approved and Signed, the report is locked to prevent further modifications. If revisions are required after the report has been locked, only users with the right permission can Approve and sign the report. Any changes made after report generation require a new PDF to be generated to ensure the final report reflects the most current information, it is possible to use the PDF button to preview the changes as PDF, this operation will not add a signature to the report.
>
> **Note:** Available filters, columns, and actions may vary based on user role and assigned permissions.

10.7.4 MSLT Report

The MSLT report is generated from the parent PSG (MSLT Study) test and is not available from the individual nap tests. It combines the scoring results from all naps into one report. Before generating the report, verify that every nap has been reviewed and scored.

To open the MSLT report, select the More Options (three dots) menu to the right of the PSG (MSLT Study) entry, and then select Report.

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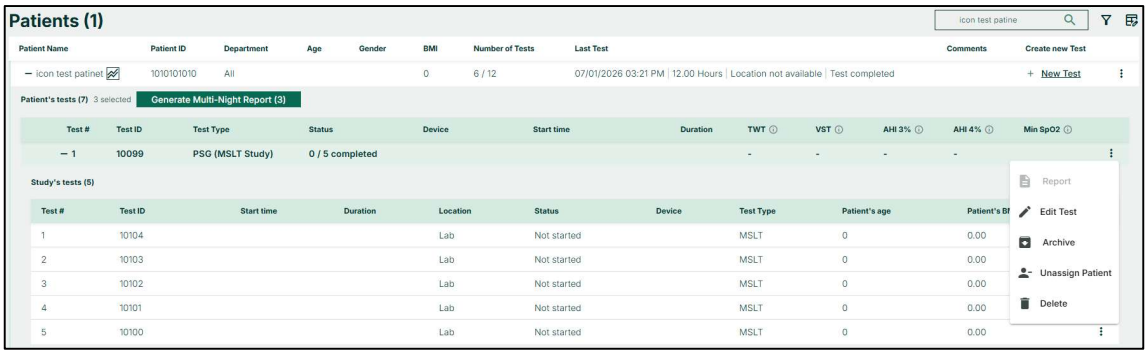

Figure 82. MSLT study More Options menu – Report option

From the Tests module, click **Open MSLT** to open the report for the complete MSLT study, including all naps associated with that study.

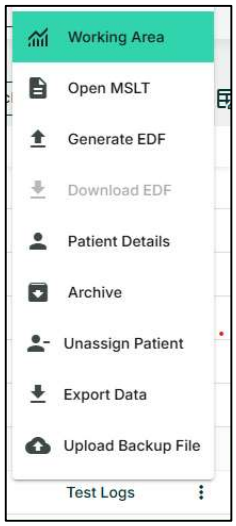

Figure 83. Open MSLT option

The MSLT report provides a summary of the completed naps and the overall study results. It includes the recorded physiological signals, nap-specific metrics such as Lights Off time, sleep latency, and REM onset, as well as the calculated mean sleep latency, total number of sleep-onset REM periods (SOREMPs), and an overview hypnogram illustrating the sleep stages recorded during each nap.

The report combines the scoring results and calculated measurements from all completed naps into one final study report.

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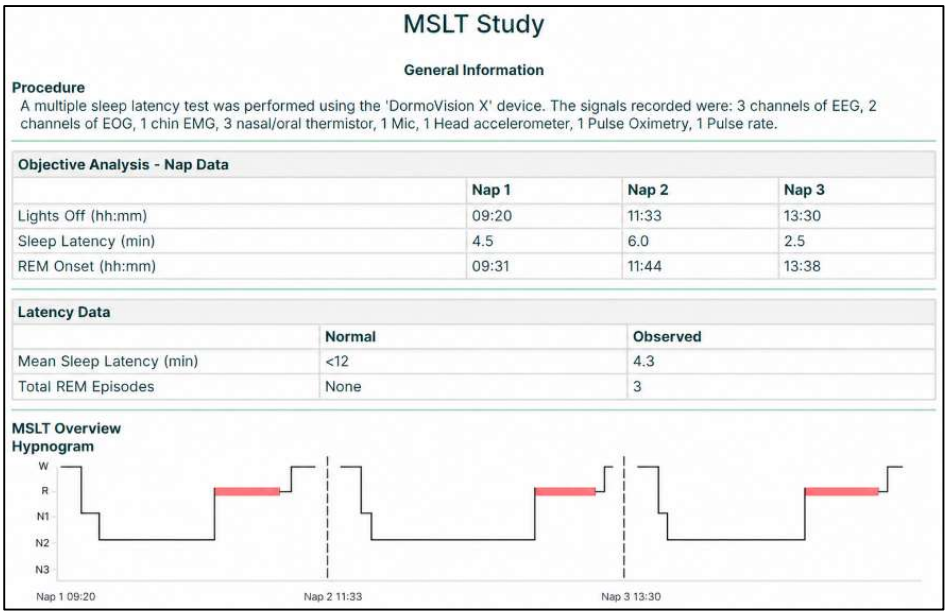

MSLT Study

General Information

Procedure

A multiple sleep latency test was performed using the 'DormoVision X' device. The signals recorded were: 3 channels of EEG, 2 channels of EOG, 1 chin EMG, 3 nasal/oral thermistor, 1 Mic, 1 Head accelerometer, 1 Pulse Oximetry, 1 Pulse rate.

Objective Analysis - Nap Data

	Nap 1	Nap 2	Nap 3
Lights Off (hh:mm)	09:20	11:33	13:30
Sleep Latency (min)	4.5	6.0	2.5
REM Onset (hh:mm)	09:31	11:44	13:38

Latency Data

	Normal	Observed
Mean Sleep Latency (min)	<12	4.3
Total REM Episodes	None	3

MSLT Overview

Hypnogram

Figure 84. MSLT report

10.7.5 Multi-Night Reports

A multi-night report combines the results of several sleep studies performed by the same patient into a single report. This allows the physician to review and compare the patient's results across multiple nights, for example, to assess night-to-night variability or to evaluate the patient's condition over time.

Only tests that have results can be included in a multi-night report. A test can be selected if it meets both of the following conditions:

- The test has completed recording and has already been scored or is currently being scored (Status: **Completed** or **Scoring in progress**).
- The test displays values in all result columns: Total Wake Time (TWT), Valid Sleep Time (VST), Apnea-Hypopnea Index (AHI) 3%, AHI 4%, and Minimum Oxygen Saturation (Min SpO_2).

Tests that do not yet have results, such as tests with the status Not started or Processing, cannot be selected. Their checkbox is unavailable.

To generate a multi-night report:

- Select the plus sign (+) next to the patient's name to expand the patient's tests.
- In the Patient's tests table, select the checkbox to the left of each test to include in the report. Select at least two tests.
- The Generate Multi-Night Report button is displayed next to the Patient's tests title. The number in parentheses shows how many tests are selected, for example, Generate Multi-Night Report (2).

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- Select Generate Multi-Night Report to generate the report from the selected tests.



Figure 85. Selecting tests for a multi-night report

Note: The multi-night report is based on the results available at the time it is generated. If scoring of a selected test is still in progress, generate the report again after scoring is complete to include the final results.

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11. Devices

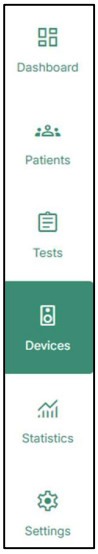

Figure 86. Devices module in the main menu

The **Devices** module provides an overview of all DormoVision X™ devices configured within the system. From this module, users can view device information, monitor device status, and create or modify device records, based on their assigned permissions.

11.1 Device List

The Devices module displays all DormoVision X™ devices and equipment in the inventory, together with their current status.

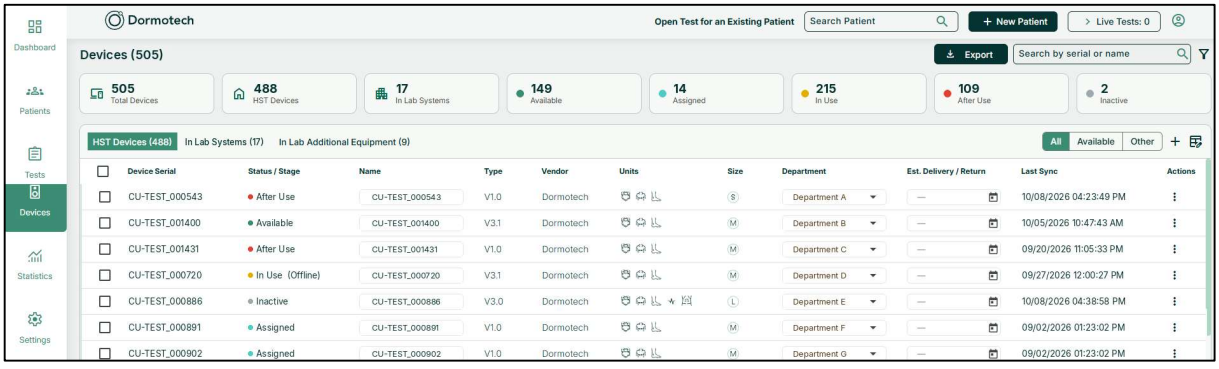

Figure 87. Devices module – device list

Summary cards. The cards at the top of the screen show the number of devices in each category:

- Total Devices: all devices in the inventory.

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- HST Devices: devices used for Home PSG studies.
- In Lab Systems: systems used for In-Lab PSG studies.
- Available, Assigned, In Use, After Use, and Inactive: the number of devices currently in each status.

Device lists. Use the tabs above the table to switch between HST Devices, In Lab Systems, and In Lab Additional Equipment. The number in parentheses shows how many items each list contains.

Filtering by status. Use the All, Available, and Other buttons at the top right of the table to filter the list by device status. Select Available to display only devices that are ready to be assigned to a study, Other to display devices in any other status, or All to display the full list.

The following information is displayed for each device:

- Device Serial: the unique serial number of the device.
- Name: the display name of the device.
- Type: the device version (for example, V1.0).
- Vendor: the device manufacturer.
- Units: icons showing the components connected to the device, such as the chest and leg sensors.
- Size: the device size: S (Small), M (Medium), or L (Large).
- Department: the department to which the device is assigned. Select a department from the list to change it.
- Status / Stage: the current status of the device.
- Est. Delivery / Return: the estimated date on which the device will be delivered to or returned from the patient. Select the calendar icon to set the date.
- Last Sync: the date and time at which the device last synchronized with the platform.

Each device displays one of the following statuses:

- New: the device record has been created and the device has not yet been used.
- Available: the device is ready to be assigned to a study.
- Assigned: the device has been assigned to a scheduled study.
- In Use: the device is currently recording a study. Online or Offline shows whether the device is currently connected to the platform.
- After Use: the device has returned from use and is awaiting technician inspection.
- Sent for Repair: the device has been removed from service for repair or evaluation and cannot be assigned to studies until it is returned to service.
- Charging: the device is temporarily unavailable because it is being charged.
- Inactive: the device is not currently in service.

11.2 Managing Devices

Users with the appropriate permissions may:

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- Use the Search by serial or name field to find a specific device, and select the filter icon to filter the list.
- Select Export to export the device list.
- Select the plus sign (+) to add a new device, and select the Edit Columns icon to customize the displayed columns.
- Select the checkboxes to the left of the devices to select several devices at once.
- Select the Actions menu (⋮) of a device to display additional options for that device.
- Update the device status throughout its lifecycle to accurately reflect its current operational state.

If a device is determined to require repair or replacement (for example, following troubleshooting by Dormotech Technical Support or Engineering), the device status should be updated to **Sent for Repair**. Assigning this status removes the device from active clinical inventory, preventing it from being assigned to future patient studies until the device has been evaluated, repaired, and returned to service.

> **Note:** Maintaining an accurate device status helps ensure only approved, operational devices are available for clinical use and supports device traceability throughout the service lifecycle.

11.3 Creating a New Device

To add a new device to the inventory:

In the Devices module, select the plus sign (+) above the device list.
The Main Information window is displayed.

Complete the device information. Fields marked with an asterisk (*) are required. If a required field is left empty, the message Required field is displayed below it.

- UUID*: enter the unique identifier of the device.
- Serial Number*: enter the serial number of the device.
- Name: enter a display name for the device. If left empty, the device can be identified by its serial number.
- Version*: select the device version.
- Type: select HST for a device used in Home PSG studies, or In-Lab for a system used in In-Lab PSG studies.
- Vendor: displays the device manufacturer (Dormotech). This field is filled in automatically.
- Size*: select the device size: S, M, L, or Child.
- Status*: select the initial status of the device: New, Available, After Use, Assigned, In Use, Sent for repair, or Charging.
- Department*: search for and select the department to which the device is assigned.
- Chest Y/N* and Leg Y/N*: indicate whether the device includes chest and leg sensors. These fields are set to Yes by default.

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- Abdomen Y/N and ECG Y/N: select Yes if the device includes an abdomen sensor or ECG, or No if it does not.

Scroll right to display any additional fields, if needed.

Select Save to add the device, or Cancel to close the window without saving.

The new device is displayed in the device list under the tab that matches its type.

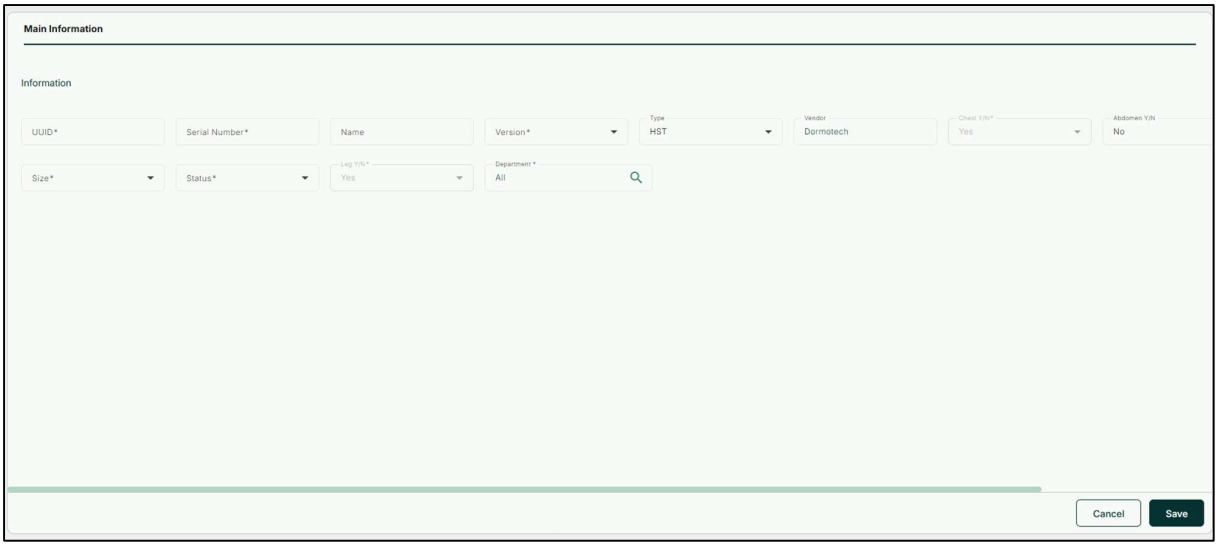

Figure 88. New device – Main Information window

> **Important:** Verify that the **UUID** and **Serial Number** are entered accurately. These identifiers are used to uniquely identify the device and support device traceability throughout its lifecycle.

After all required information has been entered, select **Save** to create the device record.

11.4 Device Status

The **Device Status** indicates the current operational state of the device and should accurately reflect its stage in the clinical workflow. The device status is updated as follows:

Status	How it is assigned
New	Assigned automatically when a device record is created.
In Use	Assigned automatically when the study starts recording.
After Use	Assigned automatically after the patient study has been completed, indicating that the device is awaiting inspection.
Available	Assigned manually after the device has been inspected and verified to be suitable for clinical use.

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Status	How it is assigned
Assigned	Assigned automatically when the device is scheduled for a patient study.
Charging	Assigned manually when the device is unavailable for clinical use because it is being charged.
Sent for Repair	Assigned manually when the device has been identified as requiring repair or further evaluation. Devices in this status are removed from active clinical inventory and must not be assigned to patient studies until they have been repaired, inspected, and returned to an appropriate operational status.

Note: Maintaining an accurate device status helps ensure that only inspected and operational devices are available for patient use while supporting device traceability and inventory management.

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12. Statistics



Figure 89. Statistics module in the main menu

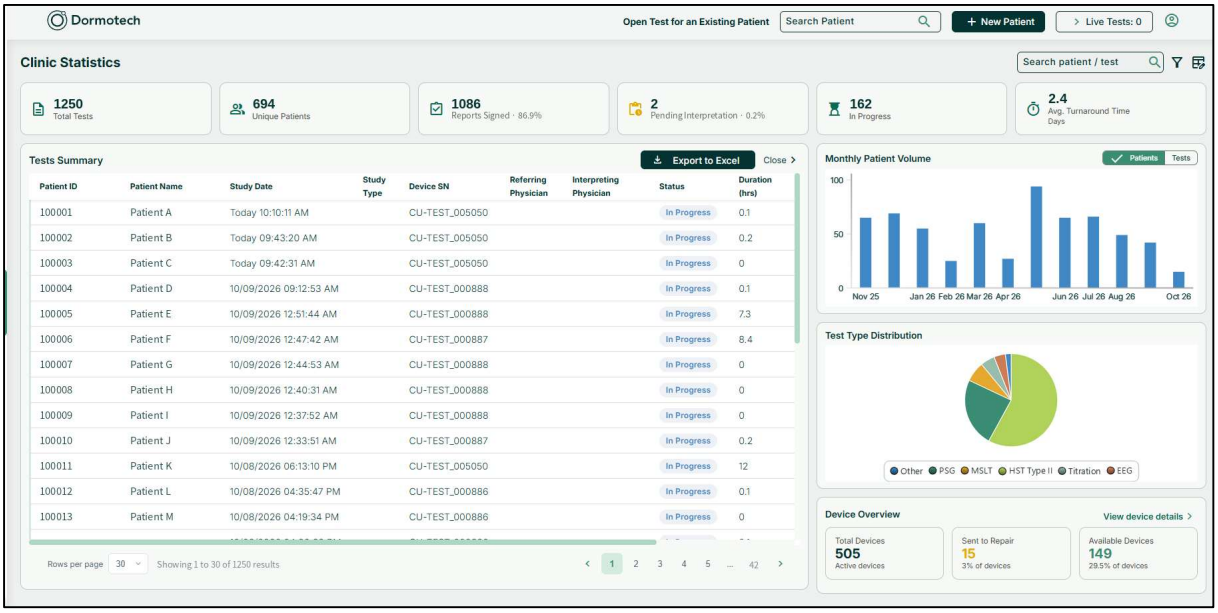

Figure 90. Statistics module

The Statistics module provides an overview of the clinic's activity, including test volumes, report status, test types, and device availability.

Summary cards. The cards at the top of the screen show the main clinic figures:

- Total Tests: the total number of tests in the system.

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- Unique Patients: the total number of individual patients.
- Reports Signed: the number of reports that have been signed, and their percentage of all tests.
- Pending Interpretation: the number of studies awaiting review by the interpreting physician, and their percentage of all tests.
- In Progress: the number of tests that are currently in progress.
- Avg. Turnaround Time: the average number of days from the test until the report is completed.

Tests Summary. The Tests Summary table lists the clinic's tests. The following information is displayed for each test: Patient ID, Patient Name, Study Date, Study Type, Device SN, Referring Physician, Interpreting Physician, Status, Duration (hrs), and signed date.

- Select Export to Excel to export the table data to an Excel file.
- Use the Search patient / test field to find a specific patient or test, and select the filter icon to filter the data.
- Select the Edit Columns icon to customize the displayed columns.
- Select Close to expand the table and collapse the monthly patient/test volume and test type distribution.

Monthly Patient Volume. This chart shows the monthly volume over time. Select Patients to display the number of patients per month, or Tests to display the number of tests per month.

Test Type Distribution. This chart shows the distribution of tests by test type (for example, HST, PSG, MSLT, Titration, and EEG).

Device Overview. This section summarizes the device inventory: the total number of devices, the number of devices sent for repair, and the number of available devices. Select View device details to open the Devices module.

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13. Settings



Figure 91. Settings module in the main menu

The **Settings** module allows authorized users to configure and manage system settings based on their assigned user roles and permissions. Depending on the user's access level, the following configuration options may be available.

Only users with the appropriate permissions can modify system settings. Unauthorized users may have view-only access or may not be able to access certain configuration options.

> **Note:** Changes made within the **Settings** module may affect system configuration and user access. Only authorized personnel should perform administrative functions.

13.1 Departments

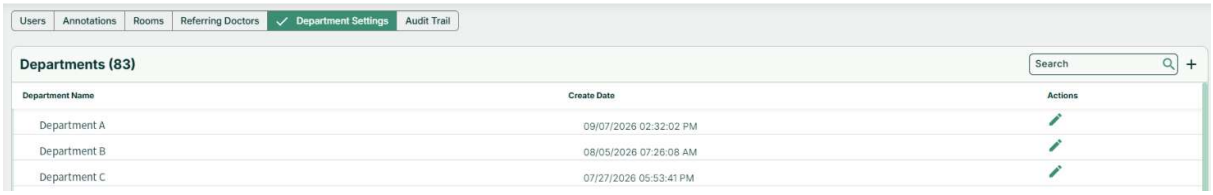

Figure 92. Departments list

Create, edit, and manage department information.

- In the **Information** section, the department name can be updated, a default physician can be selected, and files can be uploaded for the report PDF header, logo, and address.
- The **Department Settings** section includes the following configuration options: the PPG artifact threshold, whether apneas are classified separately using the 3% and 4% desaturation criteria, the

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scoring workflow, the events that require a desaturation, the default SpO_2 desaturation setting, and the minimum desaturation value.

- Select **Allow sending the research consent (IRB) form to patients** to let staff email the research participation consent form to patients in the department while creating or editing them.
- Under **Preferences for New Users in Department**, you can define the default measurement units for weight (KG or LB) and height (CM or IN), select the preferred 24h or 12h time format, and choose the date format. These preferences are automatically applied to newly created users in the department. Select **Apply these settings right away to all users in department** to update the preferences of existing users as well.
- Select **Integration API** to manage the department's integration settings.

Select **Save** to apply the changes or **Cancel** to discard them.

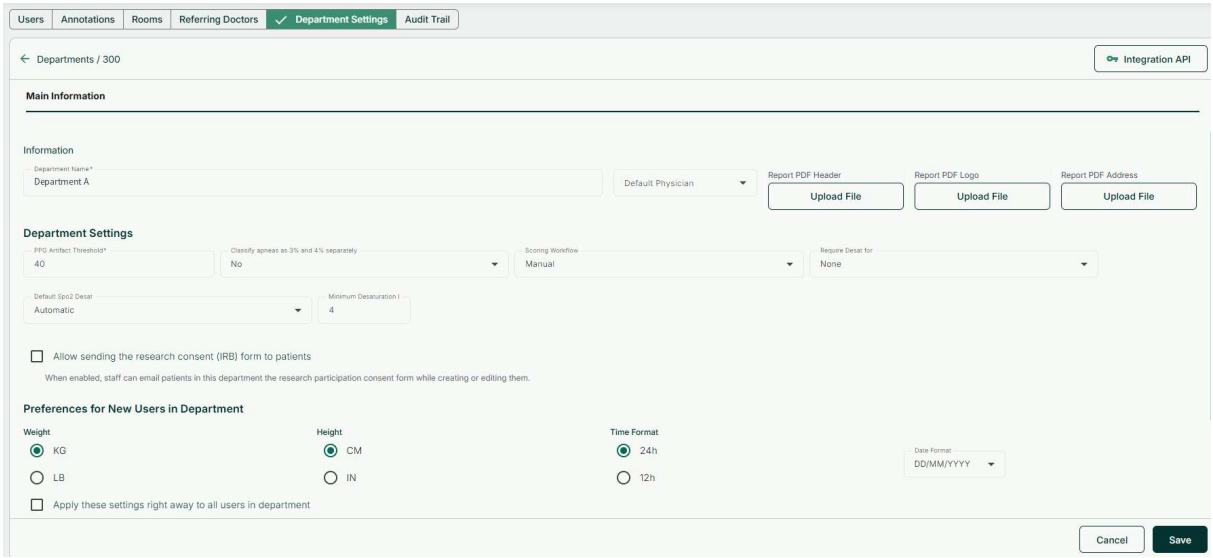

Figure 93. Department settings window

13.2 Users

The Users tab in Settings displays all users registered in the platform and allows authorized users to add, edit, and manage user accounts.

Users list. The number of users is displayed in the title, for example, Users (344). The following information is displayed for each user: First Name, Last Name, Role, Username, Cell Number, Department Type, Title, Position, and Status.

Use the Search field to find a specific user, and select the filter icon to filter the list.

To activate or deactivate a user, select Active or Inactive from the user's Status list.

Select the Actions menu (⋮) of a user to display the following options:

- Edit: opens the user's details for editing.

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- Delete: deletes the user account.
- Reset password: resets the user's password.
- Generate reset password link: creates a link that the user can use to set a new password.

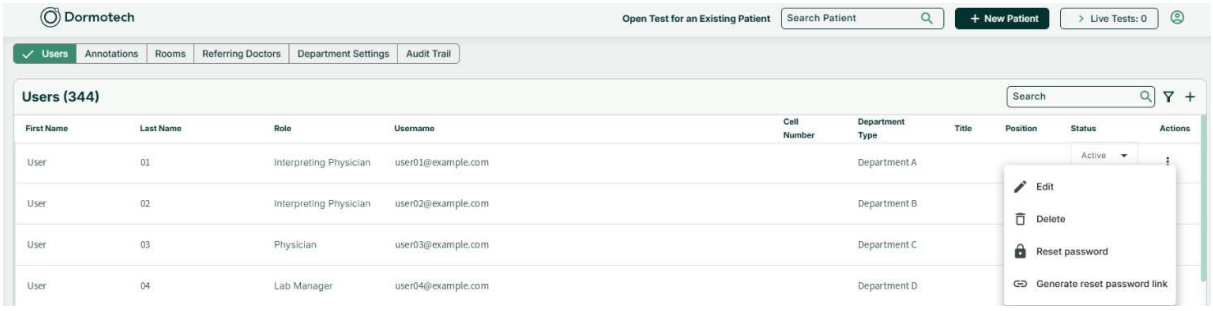

Figure 94. Settings – Users list and Actions menu

Adding or editing a user. Select the plus sign (+) to add a new user or select **Edit** in a user's Actions menu to edit an existing user. In the **Personal Information** tab, complete the required fields, marked with an asterisk (*):

- **First name***, **Last name***, and **Email***: the email address also serves as the user's username.
- **Status***: select **Active** or **Inactive**.
- **Role***: select the user's role: Interpreting Physician, External Interpreting, Physician, Scorer, Outsource Scorer, Technician, Admin, Viewer, Lab Manager, or Tech Admin. The role determines which modules and actions are available to the user.
- **Department***: search for and select the user's department.

Optionally, select the **Additional Information** tab to enter further details. Select **Save** to save the user or **Cancel** to close without saving.

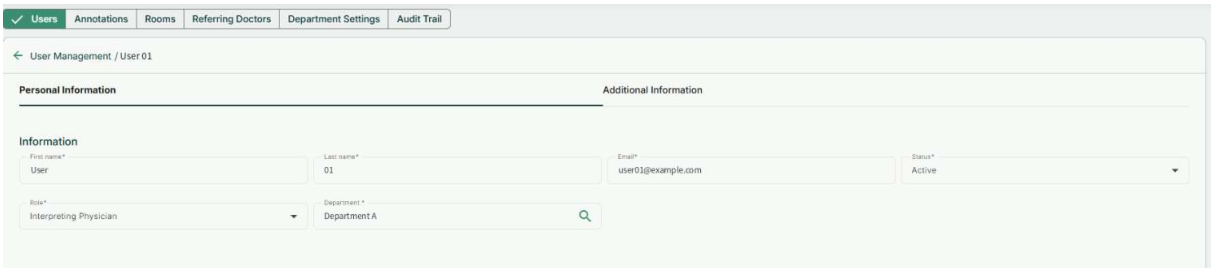

Figure 95. Add User – Personal Information tab

13.3 Annotations

Create, edit, and manage annotation settings used within the system.

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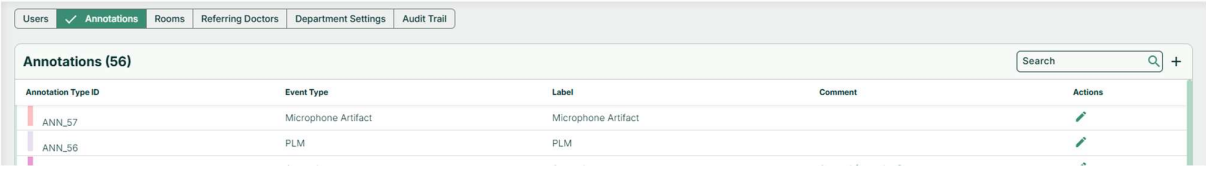

Figure 96. Annotations page

The **Annotations** page is used to view and manage the annotation types available in the system. Each row displays the annotation ID, event type, label, optional comment, and an **Edit** icon under Actions.

Select the **Edit** icon to open an annotation and update its configuration. The annotation settings include:

- **Color:** Sets the annotation color used in the signal display.
- **Text Color:** Sets the color of the annotation label.
- **Transparency:** Controls the opacity of the annotation.
- **Annotation Type:** Specifies the associated event type.
- **Label:** Specifies the name displayed for the annotation.
- **Comment:** Adds explanatory text or instructions related to the annotation.

A preview on the right (see the figure below) shows how the annotation will appear on the signal. Select **Save** to apply the changes or **Cancel** to discard them.

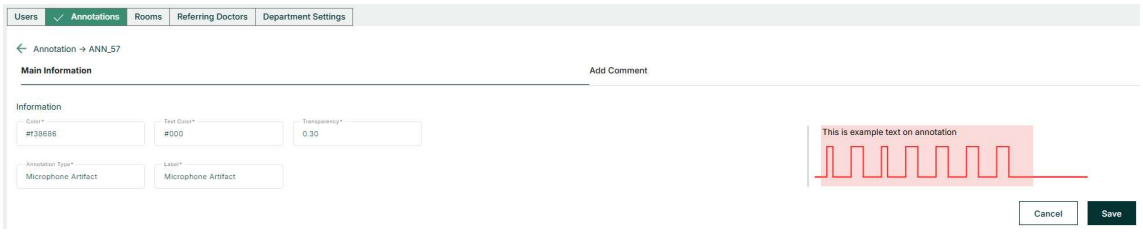

Figure 97. Edit annotation window with preview



Figure 98. Annotation rows with the Edit icon

13.4 Audit Trail

The Audit Trail provides a chronological record of system activity related to users, patients, tests, analyses, and devices. The number of recorded events is displayed in the title, for example, Audit Trail **(87)**.

To access the Audit Trail, navigate to the **Settings** module and select the **Audit Trail** tab. The Audit Trail is shown in the figure below.

The following information is displayed for each event:

- **Date Time**: the date and time at which the event occurred.
- **User**: the name and user ID of the user who performed the action.
- **Department**: the department in which the event occurred.

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- **Affected User**: the name and user ID of the user affected by the action.
- **Test/Analysis/Device**: the test, analysis, or device associated with the event.
- **Category**: the category of the event, for example, Login, Test, or Device.
- **Event**: the type of event, for example, login, test creation, record update, or device status change.
- **Reason For Change**: a description of the event and the reason for the change.
- **Changes**: select the information icon to view the details of the changes made.
- **IP**: the IP address from which the action was performed.
- **Log ID**: the unique identifier of the log entry.

Use the **Search Logs** field to find specific events, and select the filter icon to filter the list.

The information displayed in the Audit Trail is read-only and cannot be modified by users.

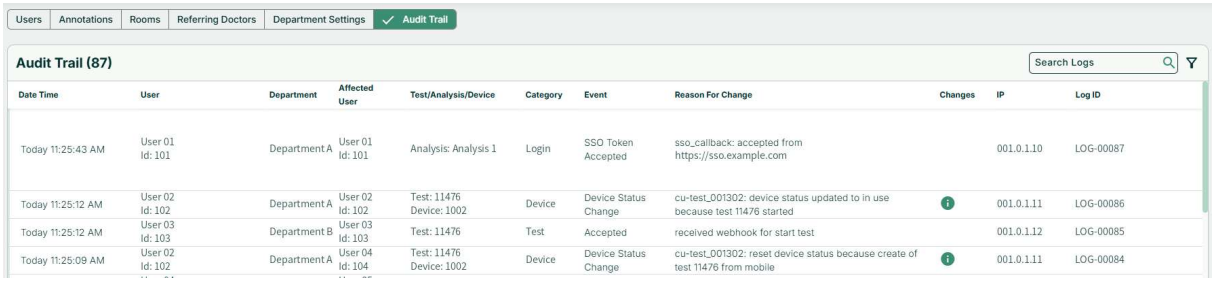

Figure 99. Audit Trail

> **Note:** The Audit Trail is intended to support traceability by maintaining a permanent record of system activities. Audit Trail entries are automatically generated by the system and cannot be edited or deleted by users.

14. Logging Out

To help protect patient information and maintain system security, users should log out of the system whenever it is no longer in use or before leaving the workstation unattended.

To log out, select the profile icon in the top bar, which is available on every screen, and then select **Log out**.

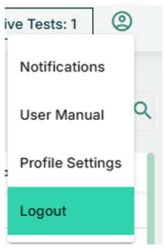

Figure 100. User menu – Log out option

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> **Note:** The system automatically logs the user out after **15 minutes of inactivity**. Any unsaved changes may be lost if the session expires due to inactivity.

Maintaining secure login practices helps prevent unauthorized access to patient data and system functions.

15. Troubleshooting

This section provides guidance for resolving common issues encountered during system operation. If the issue cannot be resolved using the procedures below, contact Dormotech Technical Support.

15.1 Unable to Log In

If a user is unable to log in to the system:

1. Verify that the correct login URL is being used.
2. Log in using an account with **Administrator** privileges.
3. Navigate to **Settings > Users**.
4. Confirm that the user account is **Active**.
5. If the account is marked **Inactive**, activate the user as described in Section 7.5.
6. Have the user attempt to log in again.

15.2 Forgotten or Expired Password

If a user cannot log in because they forgot their password or the password has expired:

1. Log in using an account with Admin privileges.
2. Navigate to **Settings > Users**.
3. Select the Actions menu (⋮) of the user.
4. Select **Reset password**, or select **Generate reset password link** and send the link to the user.
5. Have the user set a new password and log in again.

15.3 A User Cannot See a Patient or Test

If a user cannot find a patient or test that exists in the system:

1. Verify that no filter is applied to the list, and clear the **Search** field.
2. Verify that the correct tab is selected (for example, **All** in the Tests module).
3. Log in using an account with Admin privileges and navigate to **Settings > Users**.
4. Confirm that the user's **Department** matches the department of the patient or test.
5. Confirm that the user's **Role** allows access to the relevant module.

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15.4 A Device Is Not Available for a New Test

If a device does not appear in the device list when creating a test:

1. In the **Device** step, select **All** instead of **Available** to display the full inventory.
2. Check the device's status in the **Devices** module.
3. If the device status is **After Use**, inspect the device and then change its status to **Available** using the Actions menu (⋮) on the Dashboard device list.
4. If the device status is **Inactive** or **Sent for repair**, select a different device.

16. Cybersecurity

The Dormotech platform is a web-based application that is accessed over a network connection. As with any network-connected system, appropriate cybersecurity practices should be followed to help protect patient information, system integrity, and authorized access.

Dormotech recommends the following cybersecurity measures:

- Install and maintain reputable anti-malware or antivirus software on all computers used to access the Dormotech platform.
- Access the platform using the latest supported version of Google Chrome.
- Apply operating system, browser, and security updates as they become available, unless otherwise instructed by Dormotech.
- Use strong, unique passwords and do not share user credentials.
- Log out of the platform when it is no longer in use or before leaving the workstation unattended.
- Restrict access to authorized users in accordance with your organization's security policies.
- Maintain a secure network environment, including the use of firewalls and other security controls, as appropriate for your organization.

If you suspect a cybersecurity incident, unauthorized system access, or any activity that may compromise the security or integrity of the Dormotech platform:

- Discontinue use of the affected workstation or device, if appropriate.
- Notify your organization's Information Technology (IT) department in accordance with your internal security procedures.
- Contact Dormotech Technical Support for assistance and follow any instructions provided.

> **Note:** Prompt reporting of suspected cybersecurity events helps facilitate timely investigation and appropriate corrective actions.

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17. Revision History

Version	Date	Author	Change Description	Approval
V3.0.3	07/27/2026	Noa Scheinowitz	Initial Version	N.S
V3.1.0	10/25/2026	Noa Scheinowitz	Added Report Improvements following Release 3.1.0	N.S

18. Approval

Name	Role	Signature	Date
Noa Scheinowitz	Clinical Product Specialist	N.S	07/27/2026
Lian Chochna	Product Manager	L.C	10/25/2026

DormoVision X™ is the commercial platform utilizing the FDA-cleared Dormotech NLab™ and Vlab™ physiological data recording systems (510(k) K242290 and 510(k) K230148). The platform is indicated for prescription use by or on the order of a licensed physician for the acquisition and display of comprehensive physiological sleep parameters in both supervised (clinical/laboratory) and unsupervised (home) environments for patients greater than 6 years of age. Automated scoring and analytical features function strictly as data visualization aids and do not supersede manual review or clinical interpretation by a qualified sleep technologist or physician.

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