



MOBILE APP GUIDE

Admins



WHAT'S NEW IN THIS VERSION...

Instadose® Mobile App enhancements include new screens, dose summaries and analytics data, and improved functionality affording users a new level of actionable information, user engagement and compliance.

- ✓ **Device Scanning** from login screen (without the need for user login) with the ability to read dosimeters within range in the background.
- ✓ **Welcome Screen** with alert notifications front and center.
- ✓ **Multiple Accounts/Locations Access (for Admins Only)** allows admins to switch between multiple locations to maintain a global view of their entire dosimetry monitoring program and stay abreast of critical program stats.
- ✓ **Wearer Insights Screen** provides informative summary and trending data, and dose analytics based on your access level (Account/Location Administrator, Wearer).
- ✓ **Badges Screen (for Admins Only)** provides list of all assigned badges for selected Location enabling detailed drill-down view into wearer, badge, and dose data information.
- ✓ **My Badge Screen (for Wearers)** features detailed wearer information, dose overview, and read history results.
- ✓ **Badge Reader Screen** automatically searches for and transmits dose data from badges within range; provides visual confirmation of assigned badges that have communicated successfully (based on user login).
- ✓ **Activity Screen** provides actionable access to alerts (including high dose, communication overdue, and temperature error) with visibility into successful/unsuccessful dose reads.

ABOUT US...

Mirion Technologies Dosimetry Services Division (DSD) is the first name in dosimetry service innovation. We don't just deliver cutting edge products and services, we invent them. With over 45 years of dosimetry experience, we provide the most technologically advanced dosimeters on the market and a first-rate commitment to customer satisfaction. Our line of revolutionary Instadose® dosimeters are transforming the way facilities manage their radiation monitoring programs.

Instadose is a smarter radiation monitoring platform that is simplifying administration, reducing costs and transforming how staff are monitored and safeguarded from radiation over-exposure. Now immediate dose reads can be captured by internet-enabled computers, smart phones and tablets (Android and iOS), InstaLink-USBs, and InstaLink Hotspots.

The Instadose® Mobile App wirelessly communicates and securely transmits accumulated dose data from Instadose®+ and Instadose®2 digital dosimeters to Mirion servers where dose information is archived in the wearer's legal dose of record. Automatic dose reads are performed on an established calendar setting (set by your account administrator) and manual dose reads can be performed at any time by pressing the button on the back of the dosimeter for 4-seconds. Successful transmission occurs when the dosimeter is in range of the mobile device with the Instadose Mobile App opened and "searching for devices" appears on the main screen. Dose results, history, and wearer/dosimeter information can be immediately viewed (by the individual wearer or admin only) directly on the app after a successful dose communication/transmission.

User Access Levels

The Instadose Mobile App allows four user types to access applicable account and dose data:

- ☐ Radiation Safety Officer (RSO) is defined as the Account Administrator and can access info/details for all accounts, locations, and wearers.
- ☐ Location Administrators can access only the info/details for their assigned locations and wearers.
- ☐ Group Administrators can access only the info/details for assigned wearers within their group.
- ☐ Wearers can only access their own information and badge/dose details.

Mobile App Accessibility

- ☐ An internet connection must be active on the mobile device.
- ☐ Bluetooth must also be enabled on the mobile device.
- ☐ For Android: Location Services must be enabled and the APP must be allowed to access the user location (in order for Bluetooth scanning to be enabled).
- ☐ Appropriate messages are displayed if any of the above accessibility conditions are not met.
- ☐ If all app accessibility conditions above are met, any badge within range can be read by the app on your mobile device.

User Access Features

RSO/Account Administrator

- ✓ Scan & read badges within range.
- ✓ View profiles (own & admins and wearers).
- ✓ Change username, password & email.
- ✓ Select & view details for any location within their account.
- ✓ View current/previous month dose accumulation for all wearers (for selected location).
- ✓ View location dose accumulation per month for a 12-month period (based upon selected location).
- ✓ Wearer Monthly Dose: View wearer current monthly dose (for selected location).
- ✓ View last/next calendar read & read frequency.
- ✓ View badges that need to be read (communication overdue).
- ✓ View number of assigned wearers, active badges, badges with communication overdue alerts, & the average dose per wearer (for selected location).
- ✓ View dose overview for a specific badge/wearer (month-to-date, quarter-to-date, year-to-date and lifetime).
- ✓ View dose read history for any badge/wearer.
- ✓ View activity summary/badge alerts (high dose, communication overdue, and temperature error).

Location Administrators

- ✓ Same features as an RSO/Account Admin, but only for wearers within their assigned location(s).

Group Administrators

- ✓ Same features as an RSO/Account Admin, but only for wearers in their assigned group.

Wearers

- ✓ Scan & read their assigned badges.
- ✓ View their own profile.
- ✓ Change their own username, password & email.
- ✓ View their wearer monthly dose.
- ✓ View their dose accumulation: this month/month-to-date, previous month, quarter-to-date, year-to-date and lifetime dose.
- ✓ View dose read history for all assigned badges.
- ✓ View when any assigned badge was last read.
- ✓ View their activity summary & badge alerts.

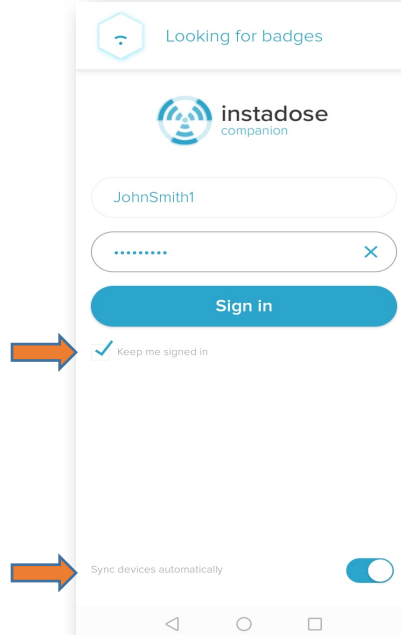
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SIGN IN SCREEN

To Sign In:

- ❑ Enter Username & Password
- ❑ Click **'Sign In'**
- ❑ Checking **'Keep me signed in'** will enable the app to remember your sign in credentials.
- ❑ **'Sync devices automatically'** should be turned ON whenever possible, but specifically when scanning and reading devices is intended.



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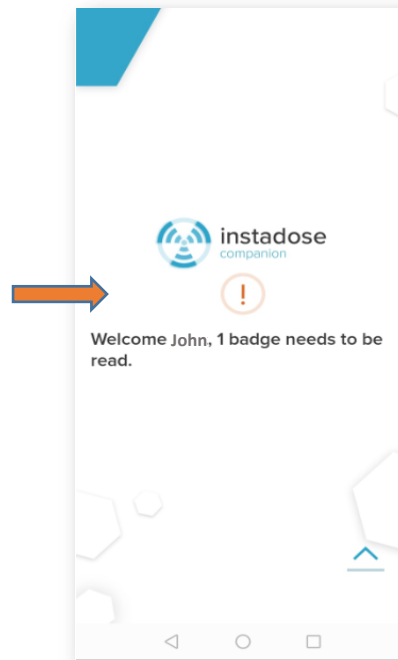
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WELCOME SCREEN

The welcome screen notifies the user of any badge alerts (high dose, communication overdue) registered within the last 30 days.

If there are any badge alerts, the alert icon color is orange.

Clicking on the alert icon will take the user to the Activity detail screen corresponding to the alert.



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OVERVIEW: Dose Card

Location **Dose Card** ring color

- ☐ Gray – If the current month is 0 or no dose history.
- ☐ Blue – If the current month has data/dose value.
- ☐ Orange – If the current month dose is higher than the previous month dose.

Dose Card displays the total accumulated dose value for current month (top) and last/previous month (bottom).

- ☐ '0' dose means - The dose exists but dose value is less than minimum reportable dose (MRD) value.
- ☐ 'No Dose History' means NO dose record exists for that location for that period (current/last month).

The current and last month records in dose card correspond to the values in the **Acc. Location Dose/Month** chart.

Results shown correspond to badges/wearers in the selected location (circled in red.)



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OVERVIEW: Welcome Tile - Alert Icon

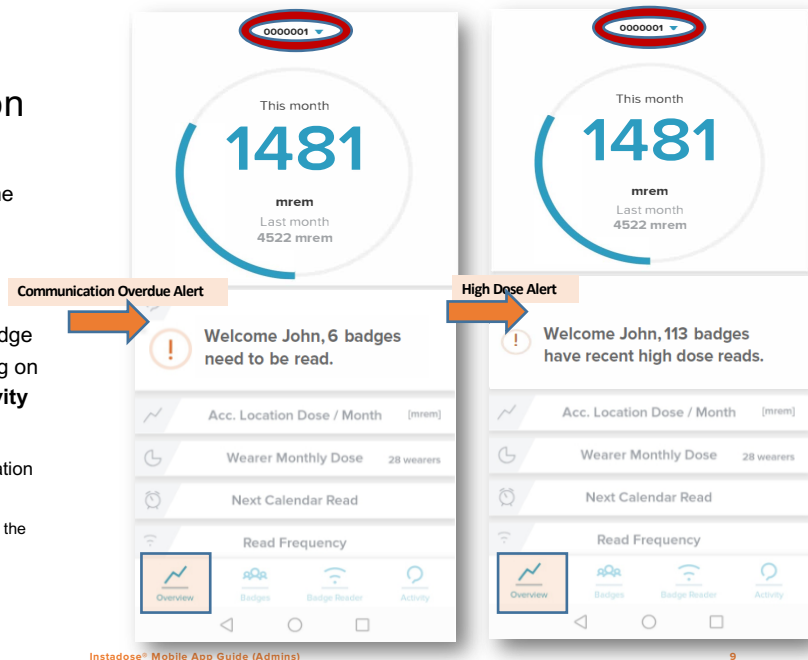
There are three (3) types of alerts that, if applicable, will be displayed in the Welcome tile of the **Overview** screen:

- ☐ High Dose
- ☐ Communication Overdue

If wearers in the selected location have badge alerts, the alert icon will be orange. Clicking on the alert icon will take the user to the **Activity** detail screen corresponding to the alert.

Results displayed are based on the selected location (circled in red) and user access level:

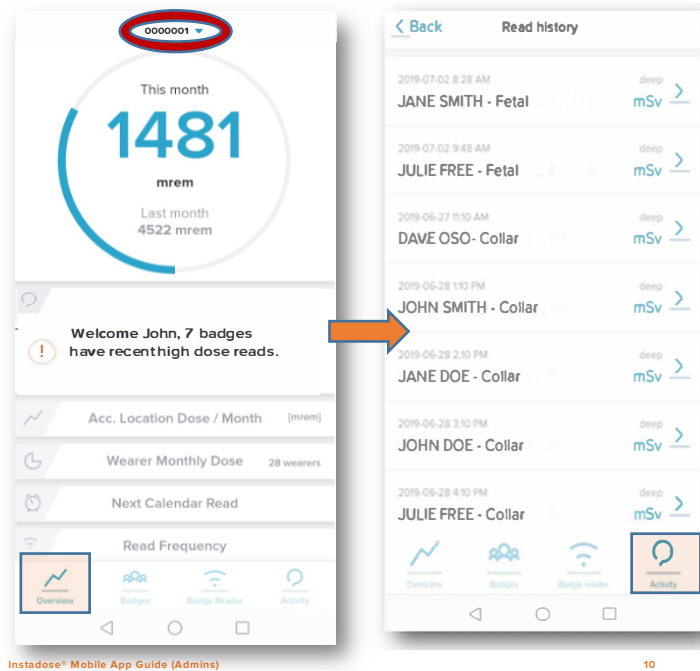
- ☐ Location/Account Admins will see all alerts for the badges within the selected location.
- ☐ Wearers will see their own badge alerts.



OVERVIEW: Welcome Tile - Alert Icon

For **High Dose Alerts**:

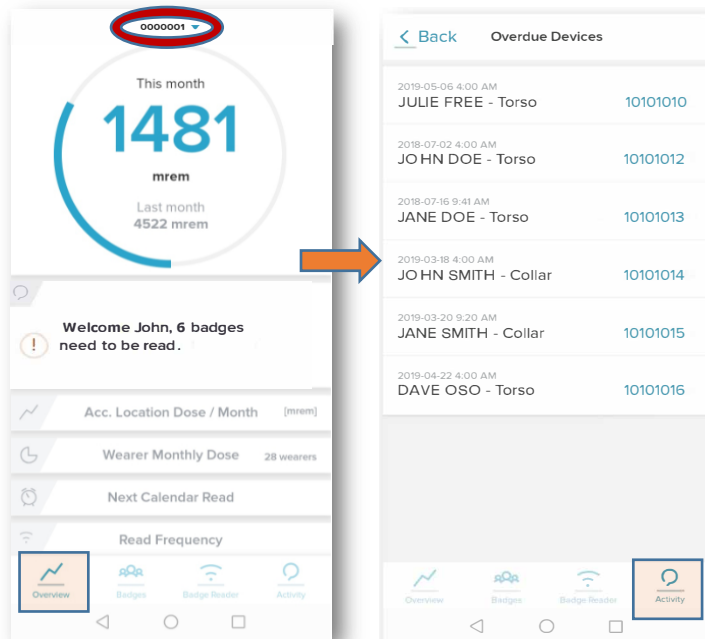
- ☐ # badges have recent high dose reads - Clicking on this alert will take the user to the **Read History** detail screen listing all wearers/badges with high dose reads within the last 30-days for the selected location (circled in red).



OVERVIEW: Welcome Tile - Alert Icon

For **Communication Overdue Alerts**:

- ❑ **# badges need to be read** - Clicking on this alert will take the user to the **Overdue Devices** detail screen listing all the wearers/badges that have had unsuccessful dose reads (both automatic calendar set and manual) within the last 30-days for the selected location (circled in red).



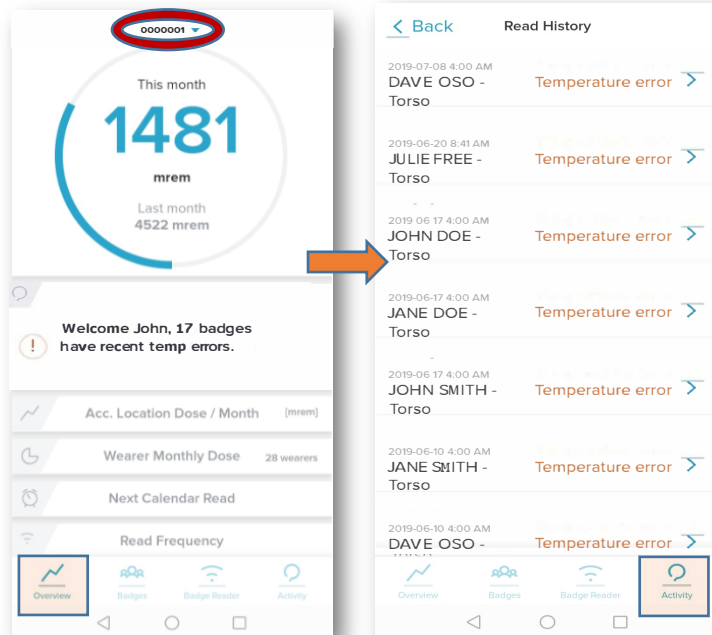
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OVERVIEW: Welcome Tile - Alert Icon

For **Temp Error Alerts**:

- ❑ **# badges have recent temperature errors** - Clicking on this alert will take the user to the **Read History** detail screen listing all the wearers/badges that have had unsuccessful dose reads due to a temperature error within the last 30-days for the selected location (circled in red).



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OVERVIEW: Acc. Location Dose/Month

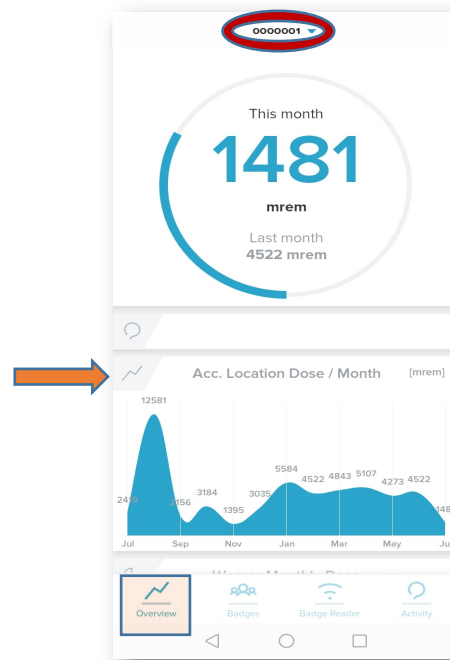
Acc. Location Dose/Month displays the total accumulated dose value by month for the selected location (circled in red).

Only months with existing data will be displayed on the graph, months with no existing data will be hidden.

The chart captures data for last 12 months.

If there is no data the 'No Dose History' message will be displayed.

The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.



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OVERVIEW: Acc. Location Dose Month (drill-down)

Clicking the **Acc. Location Dose/Month** allows the user to pick a Month & Year from the dropdown list (from 2000 to the present year).

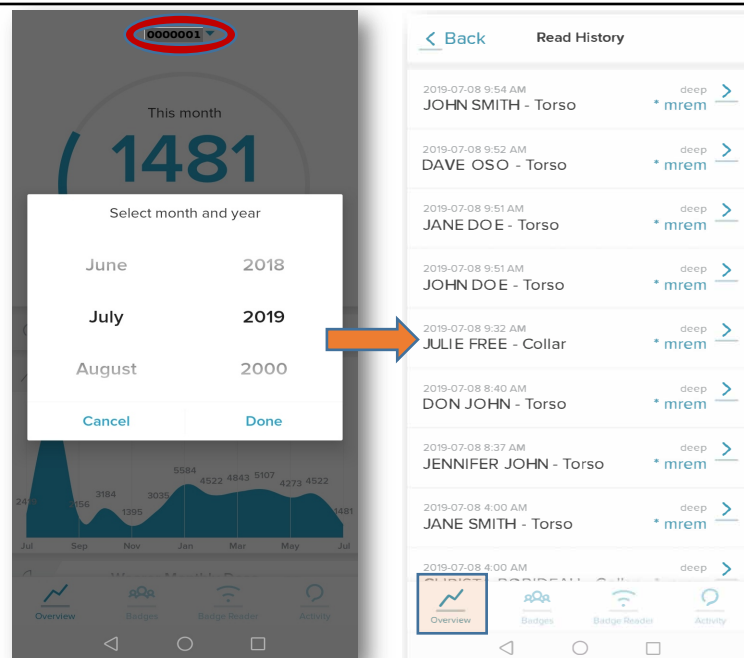
Entering a Month & Year will take the user to the **Read History** screen listing the reads for the time period entered.

Note: The most recent reads, up to a maximum of 250 will be displayed for the selected period.

Results shown correspond to badges/wearers in the selected location (circled in red.)

No data is displayed if there are no records to display (ex. new wearer with no prior data/records).

The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.



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OVERVIEW: Wearer Monthly Dose (Drill-down)

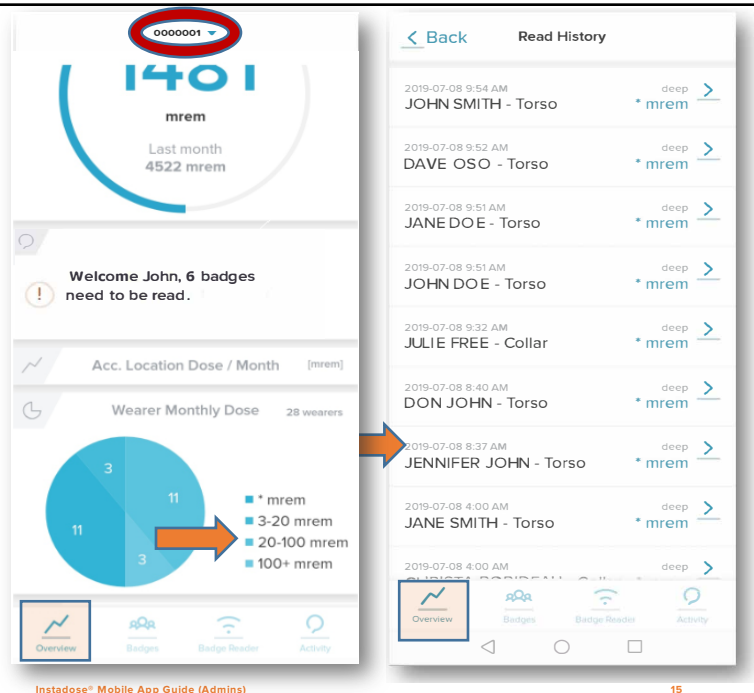
Wearer Monthly Dose chart displays the number of wearers with dose values in the displayed ranges for the current month.

Results shown correspond to badges/wearers in the selected location (circled in red.)

Clicking the pie chart tile will redirect to **Reading History** screen showing the dose reads available for the current month.

If there is no data the 'No Dose History' message will be displayed.

The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.



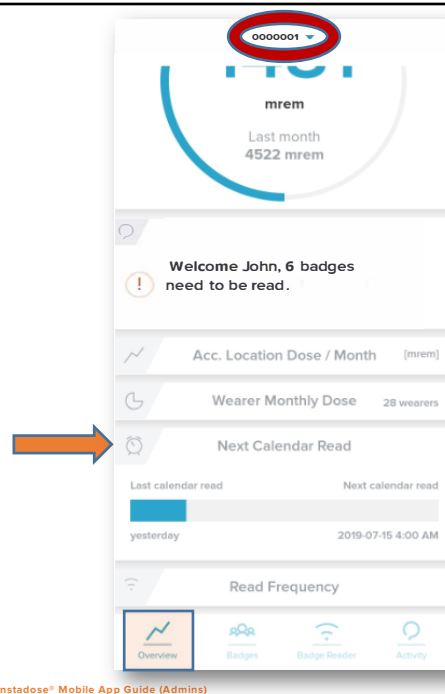
OVERVIEW: Next Calendar Read

Next Calendar Read displays the last calendar read date and the next calendar read date.

If there is no last read date, the 'Pending First Read' message is displayed.

If no calendar is assigned to the location, a 'No Calendar Assigned' message is displayed.

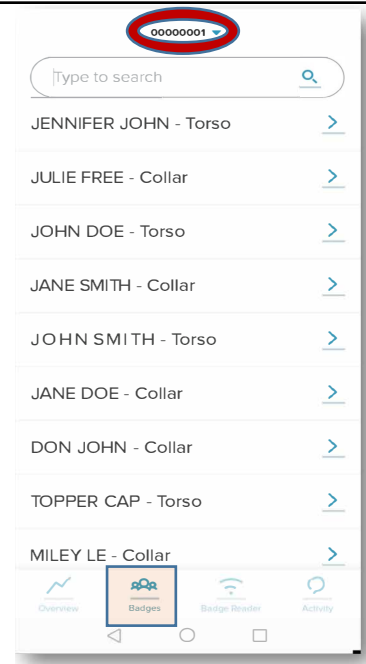
The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.



BADGES SCREEN

The **Badges** screen loads assigned wearers for the selected location (circled in red).

Full name of the wearer is displayed, followed by the body region for the badge (ex. Torso, Collar).



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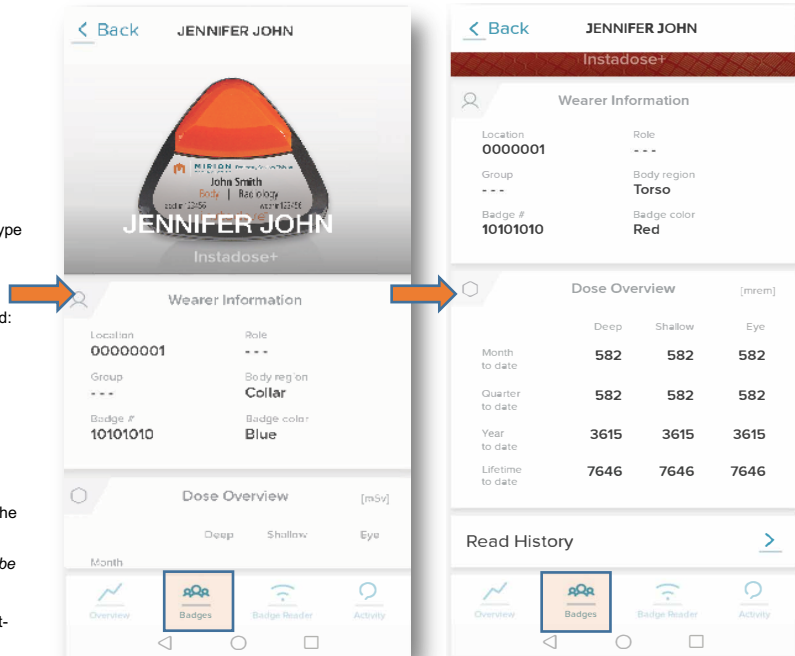
BADGES SCREEN: Wearer Information & Dose Overview

Wearer Information displays:

- ☐ Photo of the badge type (name of the badge type appears under wearer name)
- ☐ Wearer full name
- ☐ Location (assigned)
- ☐ Role (corresponds to the role assigned/entered: RadTech, Nurse, Cardiologist, Surgeon, etc.)
- ☐ Group (corresponds to the assigned group)
- ☐ Body region (where badge is worn)
- ☐ Badge #
- ☐ Badge color

Dose Overview displays:

- ☐ Deep, Shallow and Eye dose for the Month, Quarter, Year and Lifetime to Date shown for the assigned wearer.
Note: If there is NO dose available for current month, the dose values for Month-to-date will be blank.
- ☐ The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.



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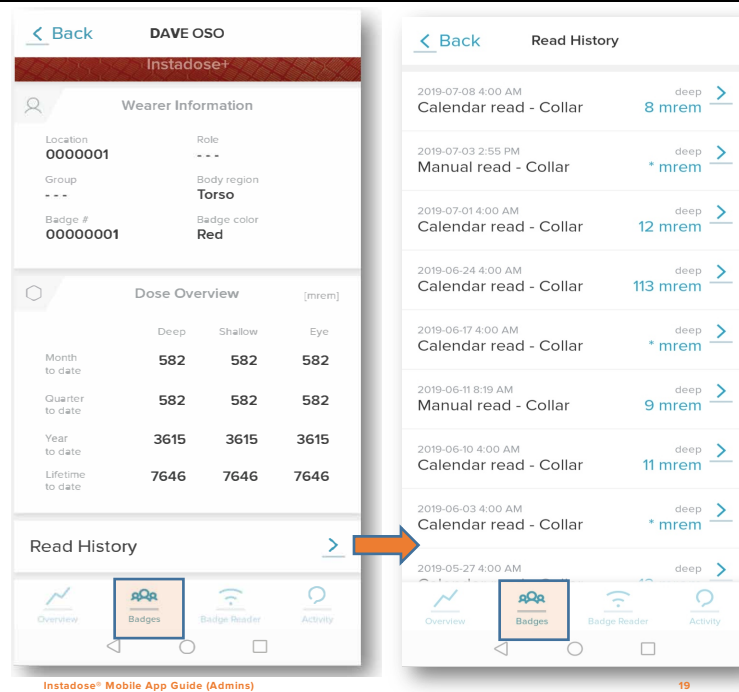
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BADGES SCREEN: Wearer Read History

Clicking the **Read History** tile will take the user to the **Read History** screen for the selected wearer.

Read data displayed includes:

- ☐ Dose read date/time
- ☐ Type of read (calendar or manual)
- ☐ Body Region (where the device is worn)
- ☐ Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.
*Note: An *(asterisk) will be displayed if the dose value is less than Minimum Reportable Dose (MRD).*
- ☐ Temp Error (unsuccessful dose reads)

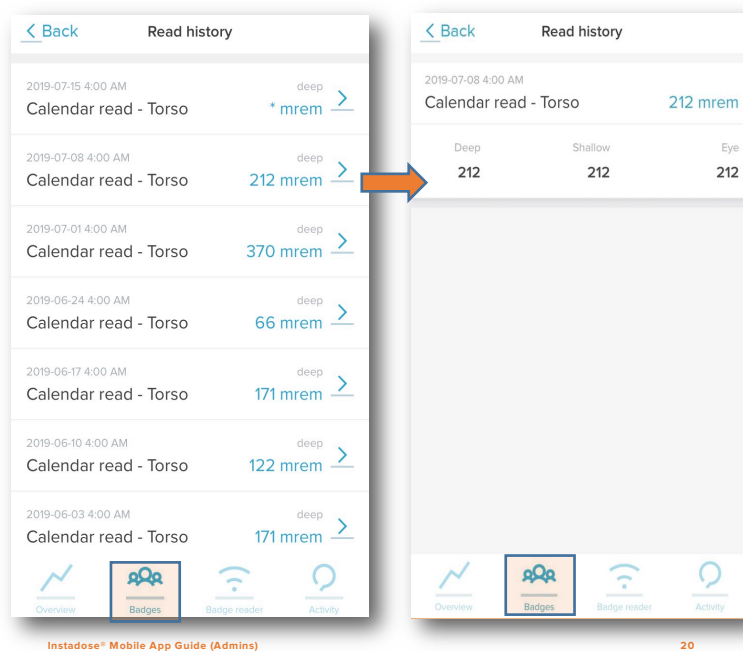


BADGES SCREEN: Wearer Read History (Drill-down)

Clicking on a dose record from the **Read History** screen will take the user to the **Read History** detail screen for the selected dose record.

Read data displayed includes:

- ☐ Dose read date/time
- ☐ Type of read (calendar or manual)
- ☐ Body Region (where the device is worn)
- ☐ Deep, Shallow, Eye dose values.
*Note: An *(asterisk) will be displayed if the dose value is less than Minimum Reportable Dose (MRD).*
- ☐ Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.



BADGE READER STATUS

The octagon-shaped status icon turns blue when badges have been detected.

Status is shown (in blue text) below the octagon icon.

There are 8 status types:

- ☐ Looking for badges
- ☐ Connecting badge
- ☐ Reading
- ☐ Querying (serial#)
- ☐ Reading doses (serial#)
- ☐ Sending reads for badge (serial#)
- ☐ Finished reading badge (serial#)
Note: this is a successful read.
- ☐ Time Out/Unsuccessful
Note: this is an unsuccessful read.



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BADGE READER SCREEN

After **successful communication**, the details shown correspond to the badge read.

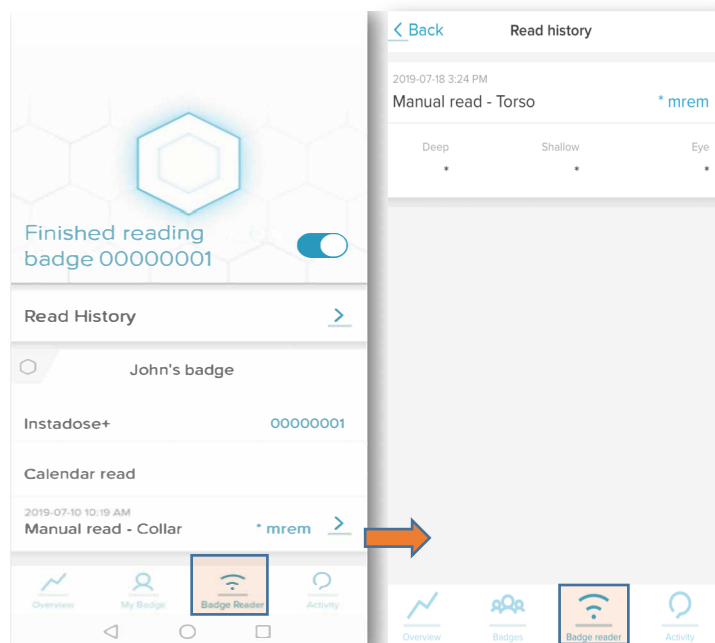
- ☐ Badge type (ex. Instadose+, Instadose2)
- ☐ Serial number (in blue)
- ☐ Type of read (calendar/manual)
- ☐ Date/time of read
- ☐ Dose value (deep)

Note: An *(asterisk) will be displayed if the dose value is less than Minimum Reportable Dose (MRD).

Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.

If multiple dose records (stored on the dosimeter) are communicated at the same time, only the last date/time stamp will show on this screen. Click Read History to view all dose records communicated/transmitted.

Clicking on the dose record will take user to the **Read History** detail screen for that dose record. (Refer to page 18 for the Wearer Read History (Drill-down) details that will be displayed.



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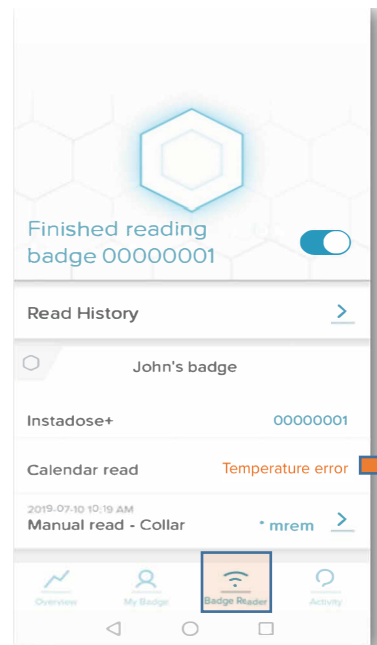
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BADGE READER SCREEN

If there is a **Temp Error**, the following details will be displayed:

- ☐ Badge type (ex. Instadose+, Instadose2)
- ☐ Serial number (in blue)
- ☐ Type of read (calendar/manual)
- ☐ Date/time of read
- ☐ Temp Error (where the dose value should be)

Clicking on the temperature error dose record will reveal the **'Temperature Error!'** pop-up message instructing users what to do next. (Refer to page 28 for the Temp Error pop-up message displayed.)



Temperature Error!
Transmission is not possible until your dosimeter recovers to room temperature.
Please allow 1-hour before attempting to transmit.
NOTE: Extreme temperatures (high/low) may permanently damage internal components.

OK

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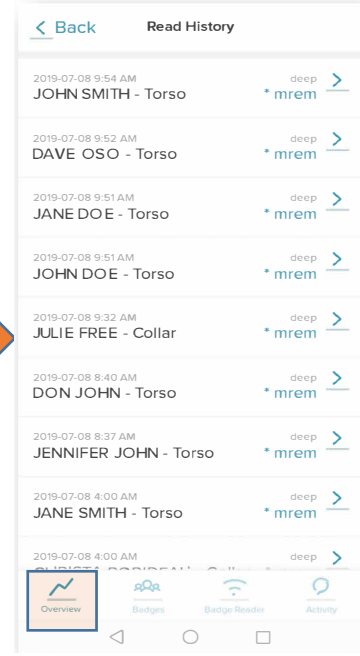
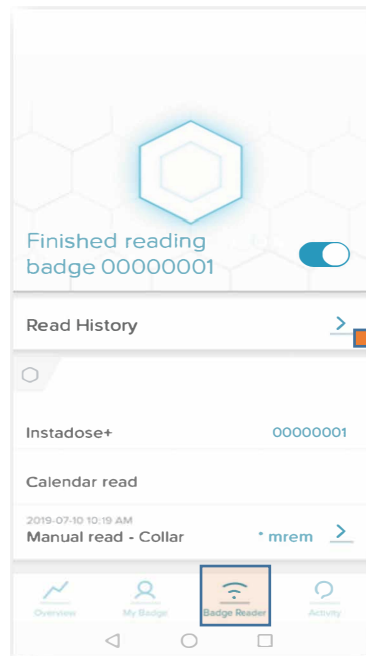
BADGE READER: Read History

Clicking the **Read History** tile takes user to **Read History** screen listing all read details that have been communicated/transmitted.

(Note: Read History details will only be displayed after successful communication.)

Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.

If multiple dose records (stored on the dosimeter) are communicated at the same time, they will be displayed in the Read History screen.



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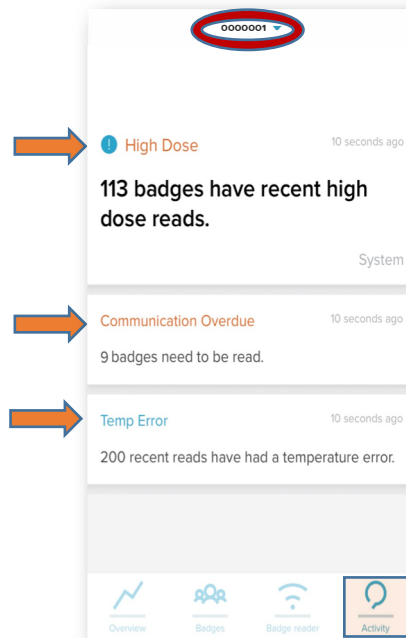
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ACTIVITY SCREEN

The **Activity** screen displays all applicable alerts:

- ☐ High Dose
- ☐ Communication Overdue
- ☐ Temp Error

Results shown are based on the selected location (circled in red).



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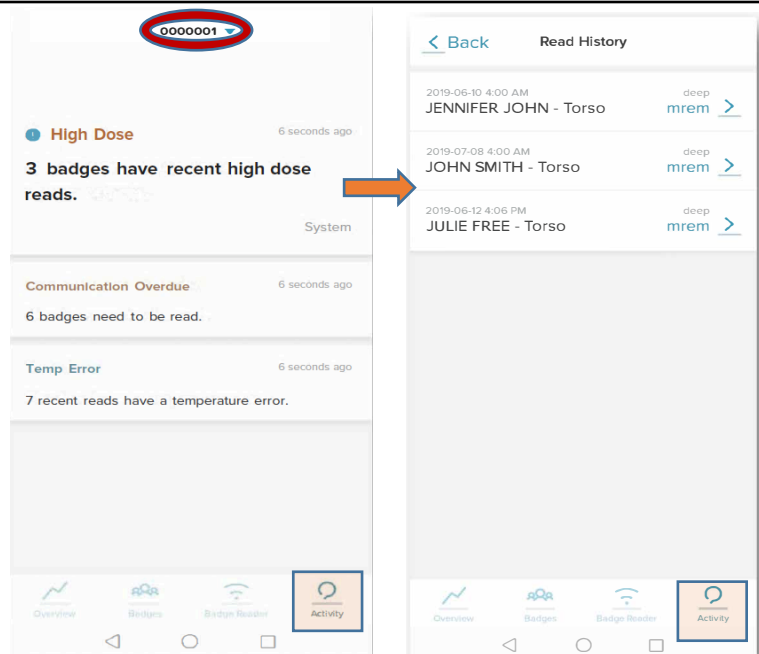
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ACTIVITY SCREEN: High Dose Alerts

Clicking the **High Dose** alert will take user to the **Read History** screen showing a list of wearers with high dose reads, including:

- ☐ Date/time of read
- ☐ Wearer name – body region
- ☐ Dose details (deep)
- ☐ Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.

Results shown are based on the selected location (circled in red).

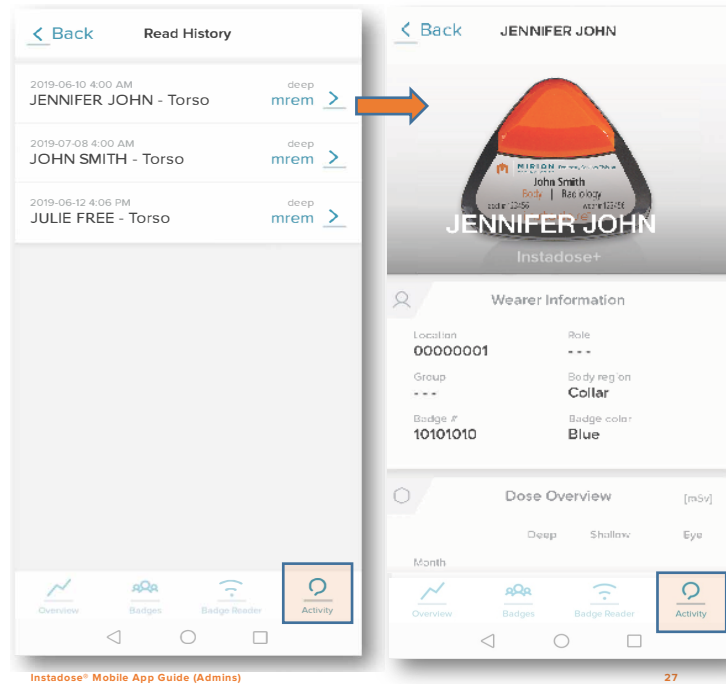


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ACTIVITY SCREEN: High Dose – Wearer Information

Clicking on any wearer name will take the user to the **Wearer Information** detail screen.

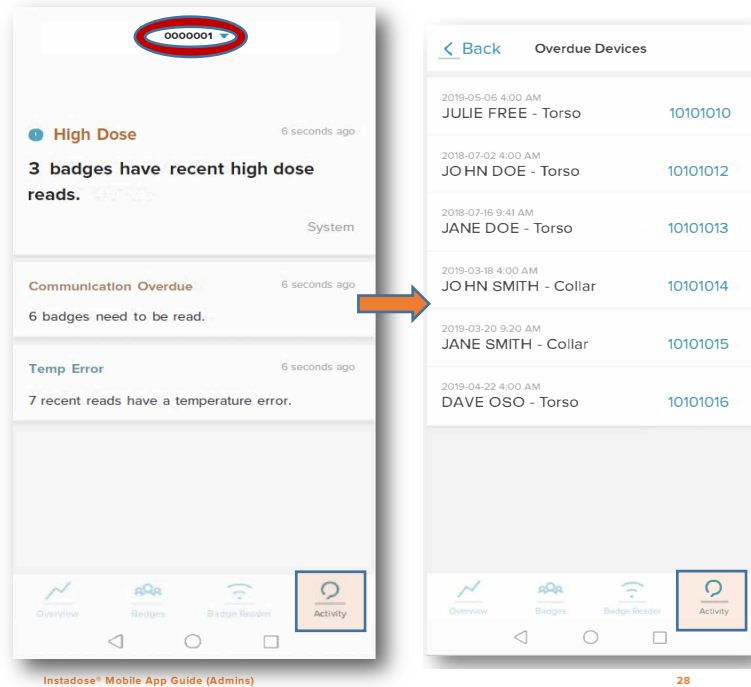


ACTIVITY SCREEN: Communication Overdue

Clicking the **Communication Overdue** tile will take the user to an **Overdue Devices** detail screen listing the badges overdue for communication.

- ☐ Date/time of last read
- ☐ Wearer Name – Body Region
- ☐ Badge serial # (in blue)

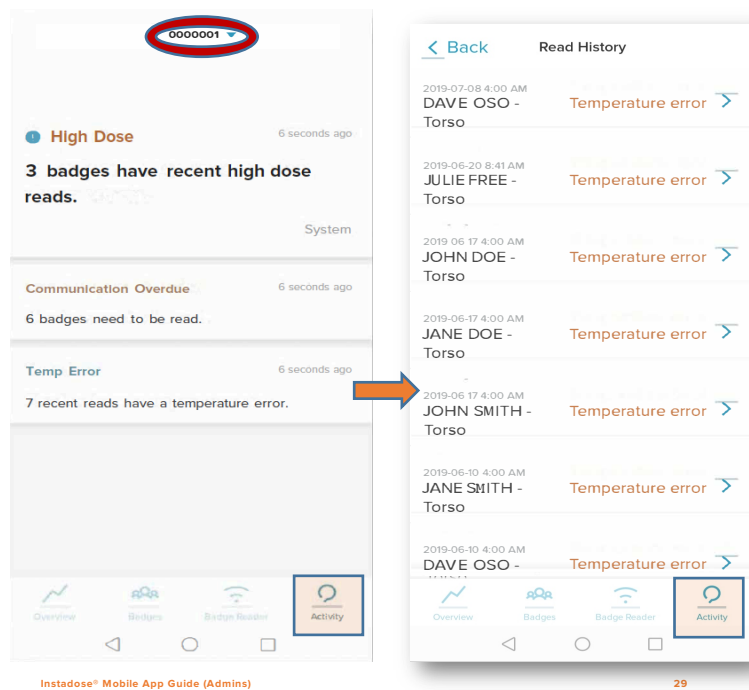
Communication Overdue alerts can occur when either an automatic calendar read or manual read is not successfully communicated/transmitted.



ACTIVITY SCREEN: Temperature Error

Clicking the **Temp Error** tile will take user to **Read History** detail screen showing all wearers with temperature errors within last 30 days.

- ☐ Date/time of read
- ☐ Wearer Name – Body Region
- ☐ Temp Error (in orange)



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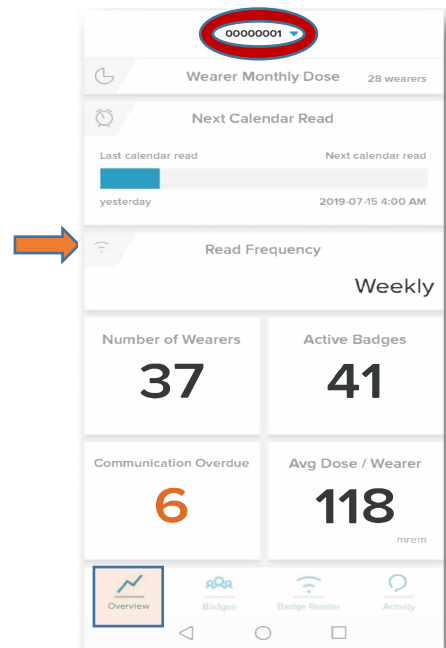
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OVERVIEW: Read Frequency

The **Read Frequency** tile shows:

- ☐ # of Assigned Wearers
- ☐ # of Active Badges
- ☐ # of Communication Overdue Badges (within last 30-days)
- ☐ Avg dose/wearer (for last 30-days)

Results shown are based on the selected location.

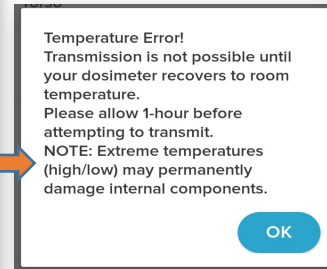
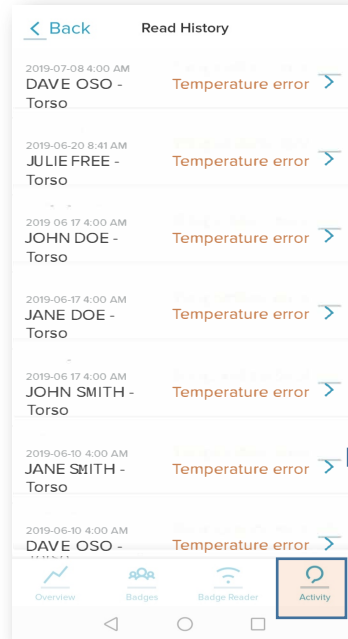


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ACTIVITY SCREEN: Temperature Error Message

Clicking on a wearer with a temperature error will reveal the **'Temperature Error!'** pop-up message instructing users what to do next.



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LOCATION SELECTOR SCREEN

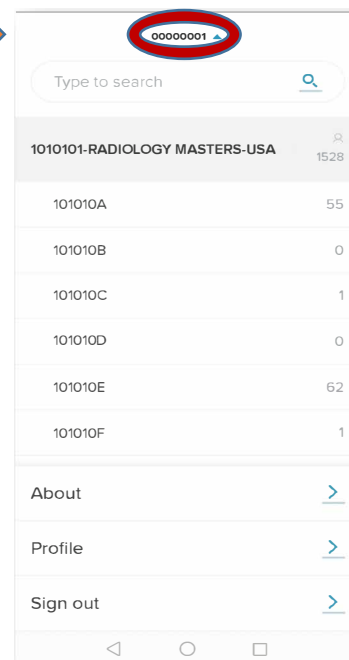
Clicking the blue triangle icon at the top of the screen will drop down a list of available locations to select.

(Note: The available locations correspond to the access level of the user profile logged in.)

When a location is selected, it will default to the Overview Screen for that location.

The following menu options are also available from this screen:

- ☐ About (information about the Mobile App)
- ☐ Profile
- ☐ Sign out



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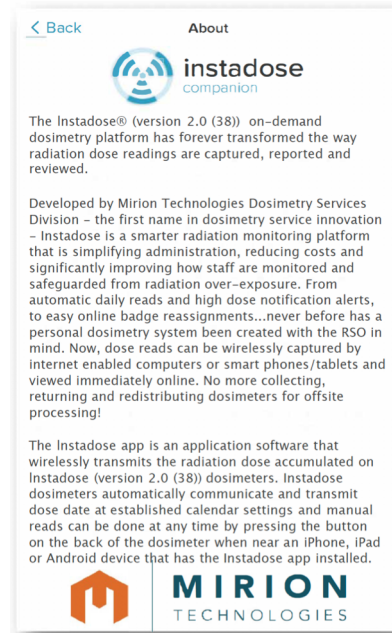
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ABOUT SCREEN

The **About** screen provides information about the product, company and Mobile App.

The new Instadose Mobile App (version 2.0.0) is compatible with:

- ☐ iOS version iOS 9.0 to 12
- ☐ Android version Kitkat 4.4 to Pie 9



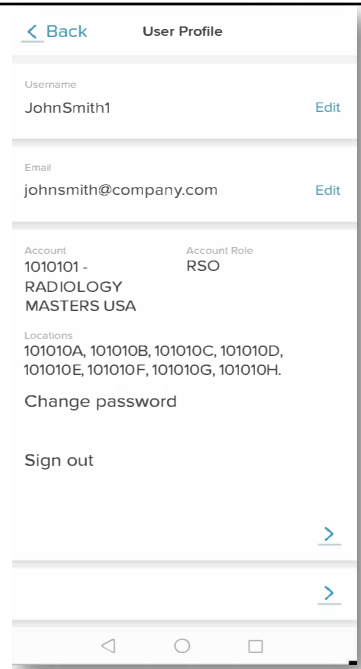
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USER PROFILE SCREEN

The **User Profile** screen provides user details, including:

- ☐ Username
- ☐ Email Address
- ☐ Account
- ☐ Account Role
- ☐ Locations (access to multiple locations is based on access level)



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USER PROFILE: Change Username

Allows username to be changed.

The screenshot shows a mobile app interface for changing a username. At the top, there is a blue header bar with a back arrow and the text 'Change Name'. Below this, the current username 'JohnSmith1' is displayed. A text input field labeled 'Change username to' contains the same username. At the bottom, there are two buttons: a blue 'Change name' button and a grey 'Cancel' button. The bottom of the screen shows the standard Android navigation bar.

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USER PROFILE: Change Email Address

Allows email address to be changed.

The screenshot shows a mobile app interface for changing an email address. At the top, there is a blue header bar with a back arrow and the text 'Change Email'. Below this, the current email 'johnsmith@company.com' is displayed. A text input field labeled 'Change email to' contains the same email. At the bottom, there are two buttons: a blue 'Change email' button and a grey 'Cancel' button. The bottom of the screen shows the standard Android navigation bar.

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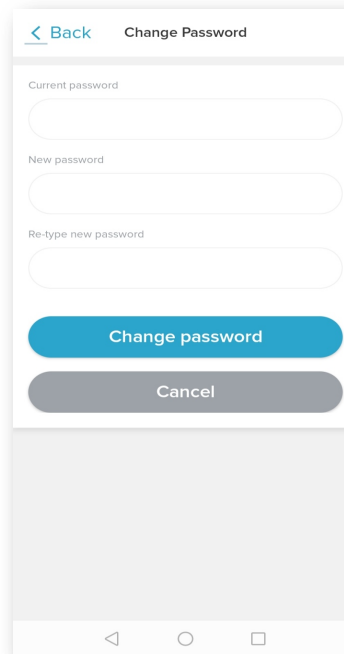
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USER PROFILE: Change Password

Allows user to change password.

Password must contain:

- Minimum of 8 characters
- One uppercase letter (A-Z)
- One lowercase letter (a-z)
- One number (0-9)
- One special character
(@ + / ! % & * _ # ^ ; : , < > ? = ~ -)

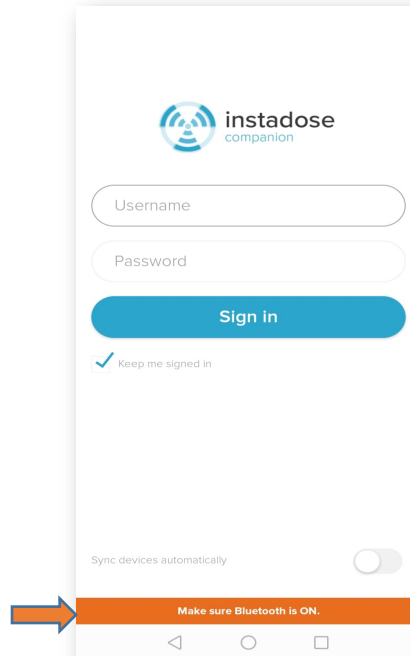


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Warning Message: Bluetooth is OFF

When Bluetooth is OFF, the orange message text (pictured) will appear at the bottom of the screen.

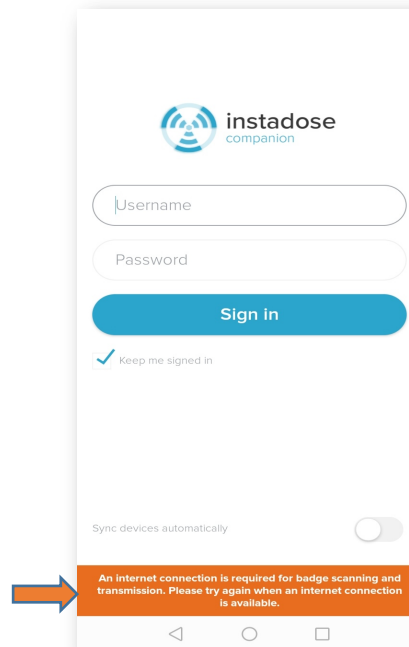


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Warning Message: Internet is OFF

When there is NO Internet connection, the orange message box (pictured) will appear at the bottom of the screen.

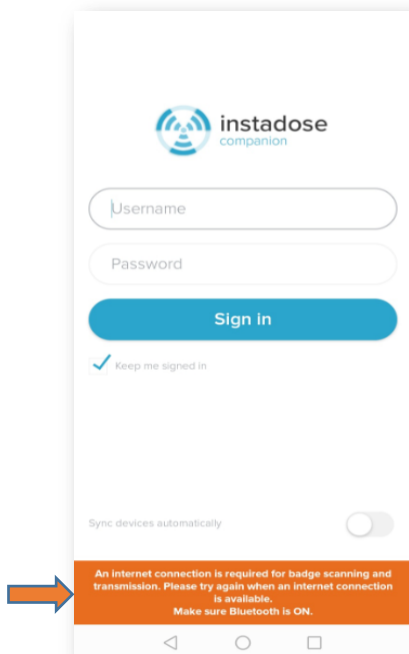


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Warning Message: Internet & Bluetooth OFF

When both the Internet Connection and Bluetooth are OFF, the orange message box (pictured) will appear at the bottom of the screen.

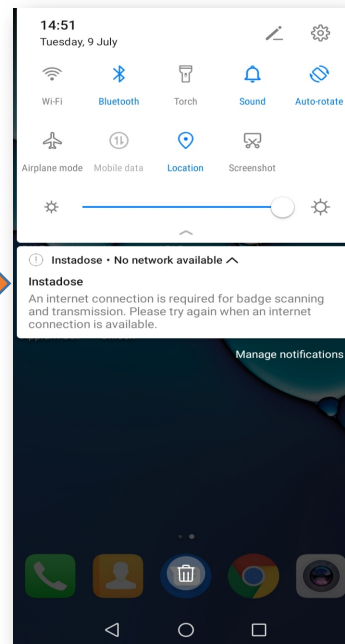


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Info/Warning Message: Bluetooth turned ON without an active internet connection.

When Bluetooth is turned ON, but there is no internet connection, the Instadose Mobile App will return the message (pictured in the notification window on the device's home screen) to notify user that badge scanning is not possible without an internet connection.

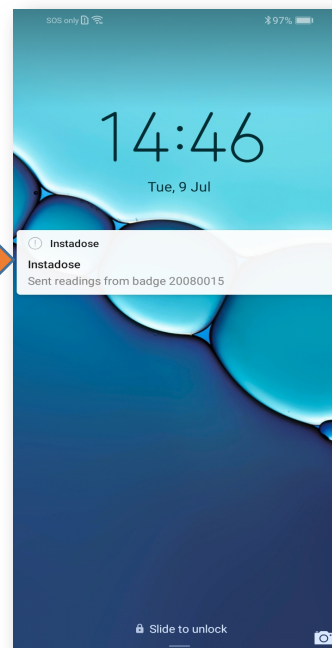


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Info/Warning Message: When Instadose is running in the background.

When the Instadose Mobile App is running in the background, the message (pictured in the notification window on the device's home screen) will appear to notify user that badge scanning/read transmission was successfully performed.



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Contact Us!



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