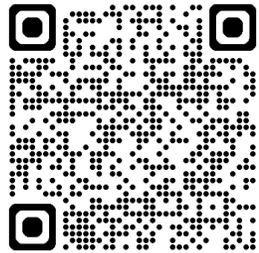


CAREPATH_{rx}TM

Specialty Pharmacy & Infusion Solutions

Eitan Avoset

Recorded Video:



<https://youtu.be/4ISNVocf9Rg>



Avoset™
The Connected Infusion System



Avoset Pump Overview



Flow Rate

0.1mL – 300mL/h



Multiple Delivery Modes

Continuous, Intermittent, PCA, Taper & manual



Small & Compact

3,8" x 3,8" x 1,85 in, 15.9 oz. incl. batteries



Long Battery Life

280 hours (alkaline) at 1mL/hr
270 hours (rechargeable) at 1mL/hr



Patient Specific Settings

Customizable configuration settings





Avoset Pump Overview



Avoset Pump Overview



**Battery compartment
(Back of pump)**

**Admin Set Release
Latch**

Cassette Socket

Powered by 3 AA batteries

Arrives pre-programmed

Can change the rate and volume with
passcode: 298

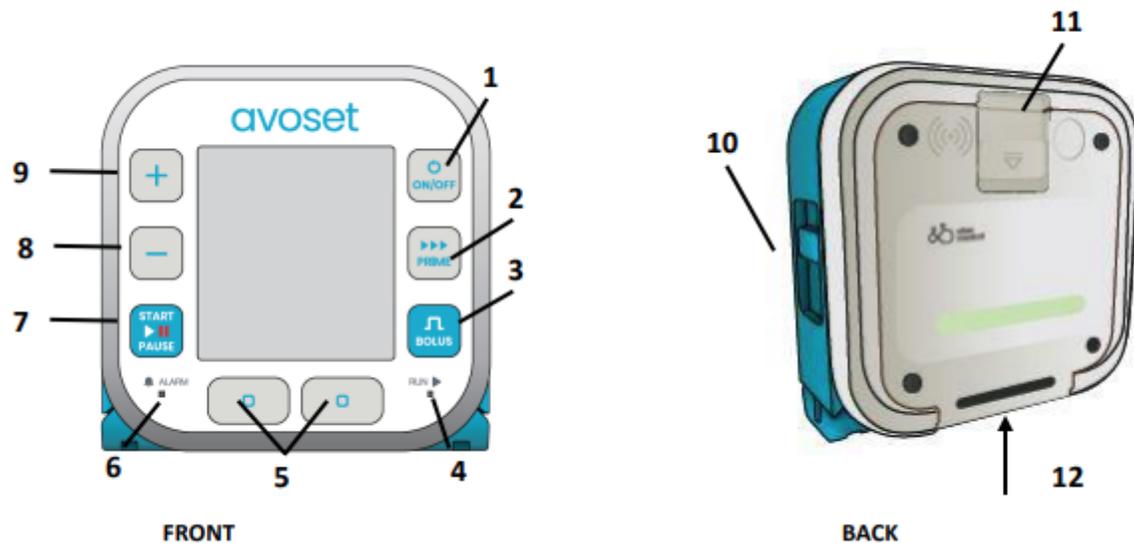
Programmed to run continuous

Commonly used for antibiotics, chemo,
hydration, IVIG, SCIG, narcotics, and
specialty infusions

Allow medication to warm to room
temperature for 2-4 hours, as noted on the
product label.

Tubing to be changed DAILY for intermittent
infusion, and M-W-F for continuous infusions
where the tubing is a closed system with the
IV Catheter (continuous infusion and
intermittent with KVO rate). Some
pharmacies may have other tubing change
frequency for continuous infusions.

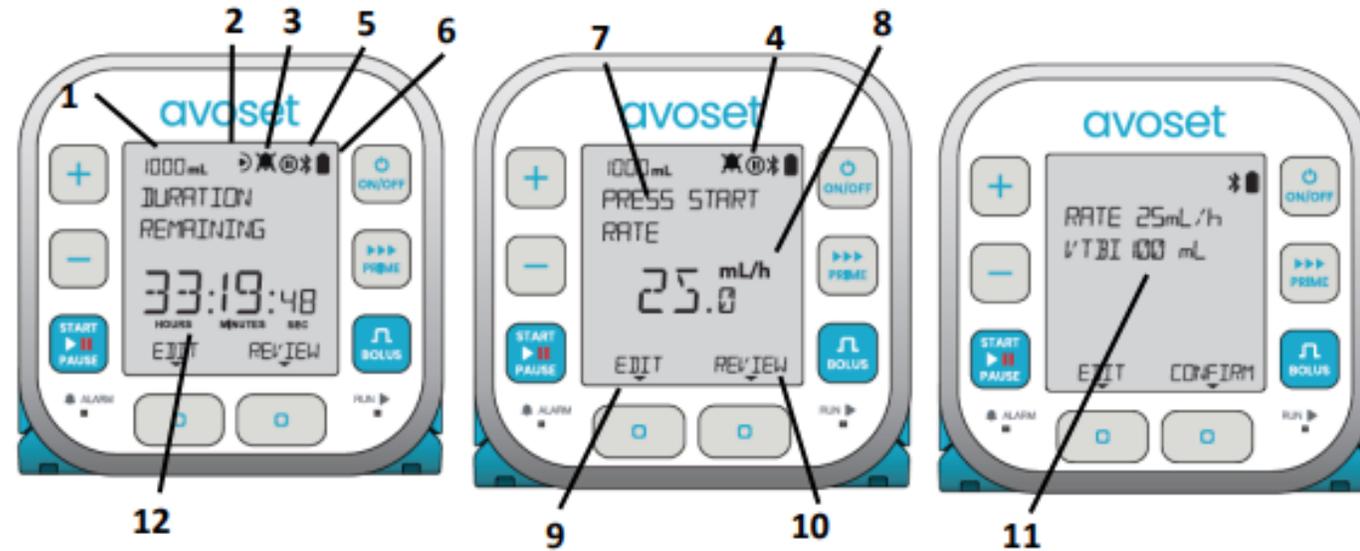
Pump Components



Key	Control Name	Function
1	ON/OFF	Turns the pump ON and OFF.
2	PRIME	Starts the automatic priming procedure to fill the administration set with fluid and expel air.
3	BOLUS	Starts a PCA dose.
4	RUN indicator	Flashes green when pump is running.
5	Multi-function button	Performs the function indicated by the text that appears on the screen above the corresponding button.
6	ALARM indicator	When an alarm appears, flashes yellow for low-priority alarms and red for high-priority alarms.
7	START/PAUSE	Starts or pauses infusion.
8	MINUS	Decreases value when entering amounts (rates, volumes, times, etc.).
9	PLUS	Increases value when entering amounts.
10	Administration set release latch	Releases the administration set from the pump.
11	Battery compartment release	Opens the battery compartment.
12	Cassette socket	Bottom of pump where the administration set cassette attaches to the pump.

Screen Components

Key	Display Element / Icon	Indication
1	VTBI	Displays the remaining volume to be infused.
2	Running	Running: (spins during infusion).
3	Alarm	<p>🔔 indicates an active alarm.</p> <p>🔕 indicates paused alarm audio.</p> <p>See <i>Chapter 8: Alarms (Troubleshooting)</i> on p. 52.</p>
4	Paused	Flashes when pump operation is paused.
5	Bluetooth connection	<p>📶 the pump is ready to be paired (displays for first 2 minutes after pump is turned on).</p> <p>📶) the pump is paired.</p>
6	Battery status	<p>Indicates the current battery level.</p> <p>🔋 batteries are full.</p> <p>🔋 batteries are low.</p> <p>🔋 3-minute warning: batteries are depleted.</p>
7	Text	Displays text, such as system messages, prompts and medicine names.
8	Units of measurement	Indicates the parameter's units of measurements.
9	Left multifunction button label	Text that appears on the screen above a multifunction button, showing the current function of that button (what the button does when pressed).
10	Right multifunction button label	
11	Numeric value	Shows the value of the parameter currently on the screen.
12	Time	Indicates units of measuring time.



INSTALLING THE BATTERIES

The avoset pump does not have a charging cord, it operates solely on 3 AA Batteries.

Battery Life- 280 hours @ 1ml/hour, 75 hours @ 25ml/hr, 15 hours @ 300ml/hour

The battery door can be a little tricky to open-may need to push tab down then pull open back, instead of one motion of pulling and opening

1. Turn the pump OFF by pressing and holding down **ON/OFF** for 3 seconds.



2. Open the battery compartment located at the pump's rear by sliding the latch downwards.
3. Remove depleted batteries from the compartment from the PLUS end, opposite the compartment's spring, to avoid damaging the spring.



Caution

Dispose of the depleted batteries in accordance with local environmental guidelines.

4. Install new batteries according to the plus/minus orientation illustration inside the compartment.
5. Close the battery compartment.

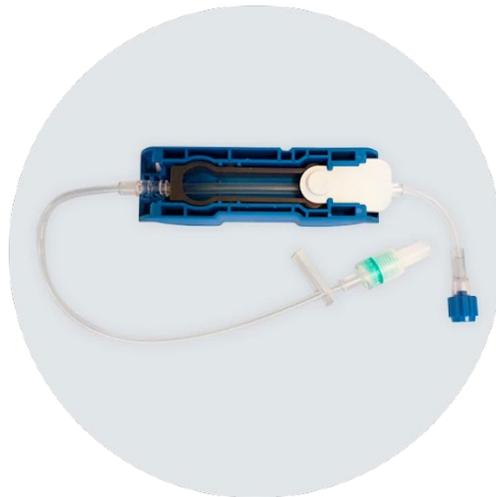
Avoset Tubing Selection



Bag Spike



Remote Reservoir



Syringe Connection



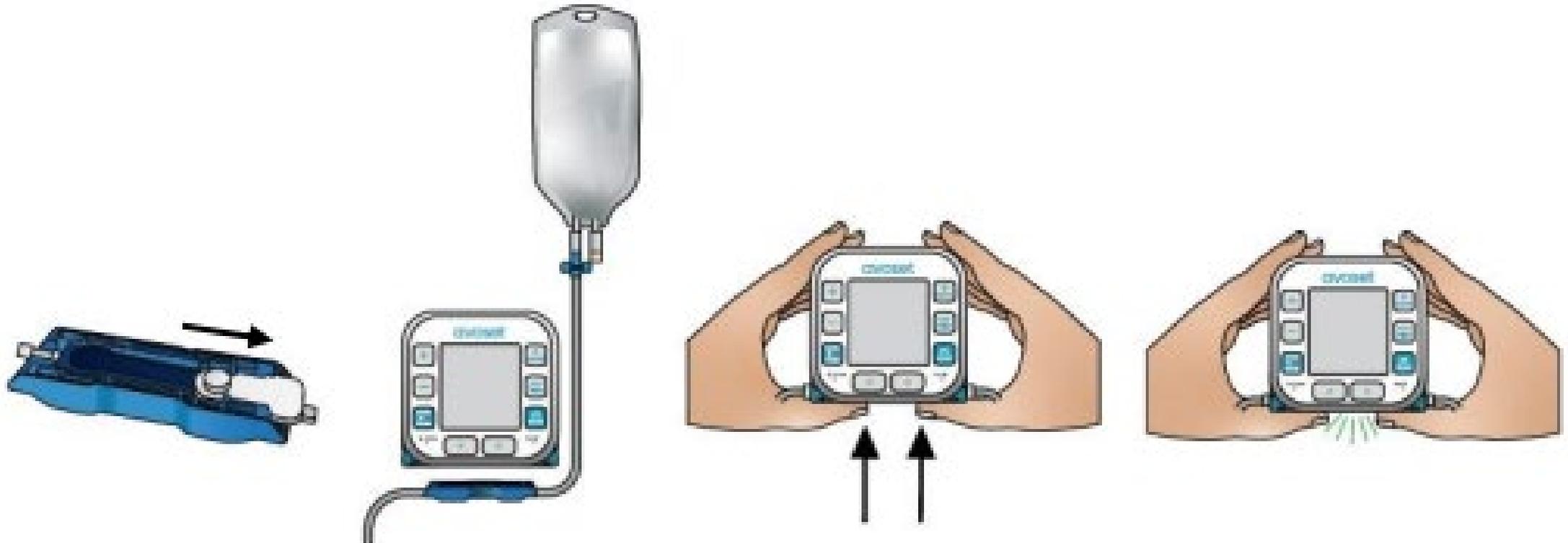
NOTES:

White anti-free-flow-valve to be removed prior to placing the tubing cassette into the pump.

Tubing to be changed DAILY for intermittent infusion, and M-W-F for continuous infusions where the tubing is a closed system with the IV Catheter (continuous infusion and intermittent with KVO rate). Some pharmacies may have other tubing change frequency for continuous infusions.

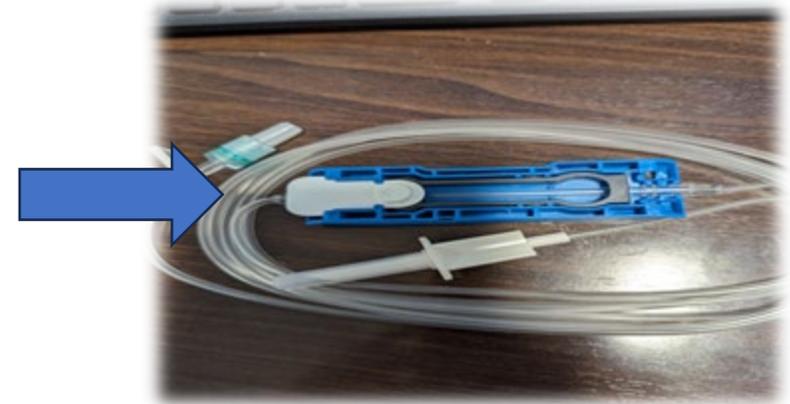
STARTING AN INFUSION

- To power on the pump press the ON/OFF button- the pump will perform an automatic system check.
- Attach the administration set:



Attaching the administration set

- Visually inspect the packaging for breaches of integrity before use
- Remove the AFFV (anti-free-flow-valve) release clip from the new administration cassette
- Position the new cassette at the bottom of the pump with the infusion bag on the right side. The flow direction arrow points left, relative to the pump front.
- Push the cassette into the pump's cassette socket
- You should hear 2 clicks to indicate the cassette is fully latched. Verify that it is securely latched
- Open all clamps on the new administration set to prime the tubing



Priming the administration set

The pump can be primed automatically using the prime button on the pump

To use automatic priming: make sure the set is disconnected from the patient and press PRIME (the screen displays disconnect from patient)

Ensure all clamps are open and press the multi-function button at the bottom (the middle buttons with the blue squares). It will say PRIME above the button. The screen will display priming.

Press STOP when the set is primed or wait for the automatic process to finish-screen will display PRIME COMPLETE if you let the automatic process finish- if you press stop it will display prime stopped

Press OK- screen will display **verify air is out of line**

If there is no air press the multifunction button below NO AIR. Connect set to patient will appear on screen- press ok

Reviewing Parameters



Before starting the pump, you must review the parameters

If the pump is being used for the first time (for this patient), or if parameters were changed in the previous treatment, there is a mandatory review of all infusion program parameters.

If this is not first-time usage and NO parameters have changed, review is optional (not mandated by the pump). It is best practice to review all parameters before starting the pump.

To review parameters, press the multifunction button above REVIEW. Use the multifunction buttons with NEXT and BACK populated above them to browse parameters.

After reviewing, proceed to starting the infusion by pressing the START/PAUSE button

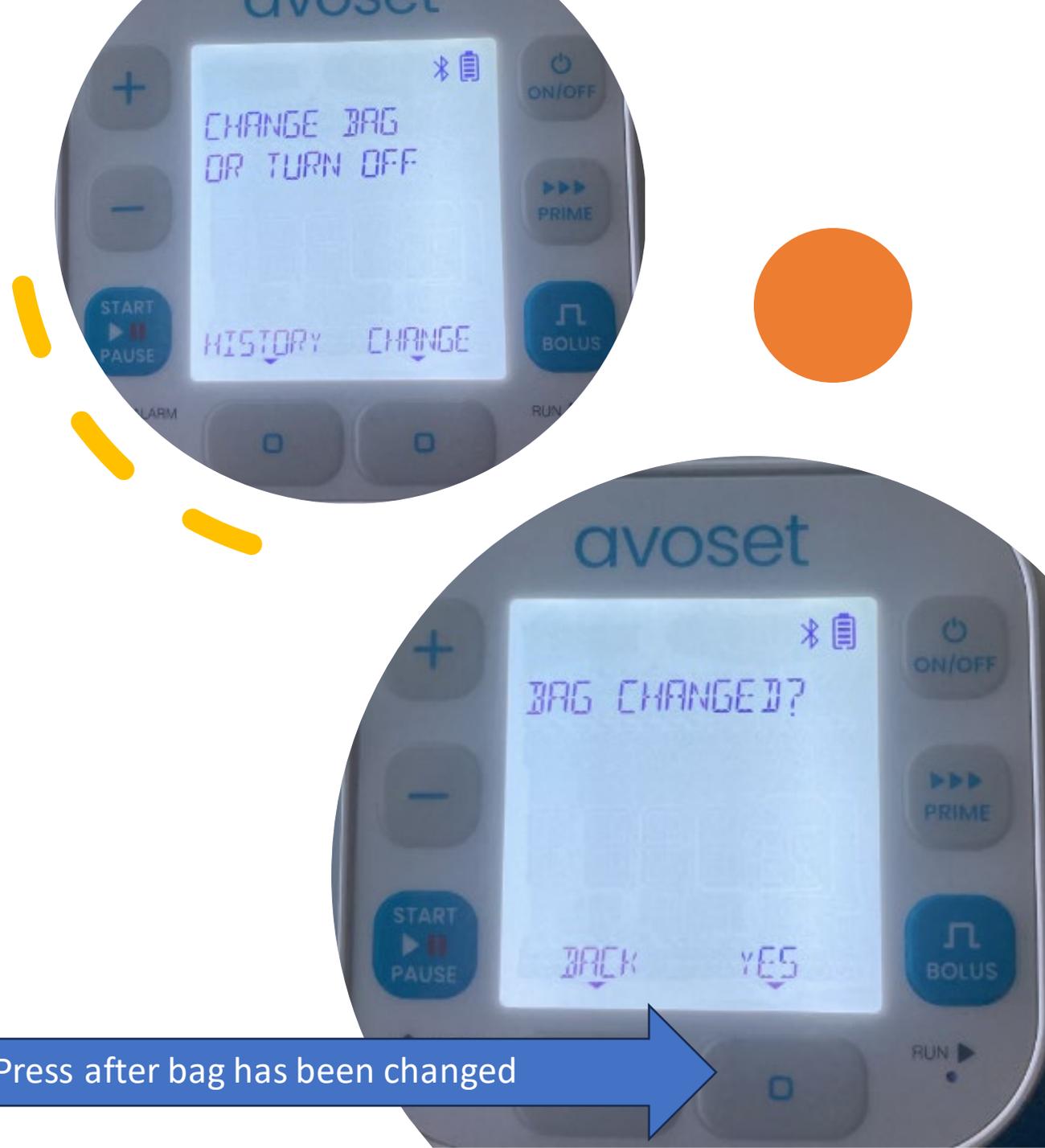
Ending an infusion

- **Without KVO:** Press the multifunction button with dismiss written over it to dismiss the INFUSION COMPLETE alarm
- The screen displays CHANGE THE BAG or TURN OFF
- **With KVO:** Press the multifunction button with dismiss written over it to dismiss the INFUSION COMPLETE alarm.
- Press Start/Pause to pause the KVO- the screen displays INFUSION DONE KVO PAUSED
- Press the multifunction button with New bag written over it – screen displays QUIT KVO NOW?
- Press multifunction button with yes written over it



Changing the bag

- When the continuous infusion is completed, the pump will alarm infusion complete, press the multifunction button below DISMISS
- Press the multifunction button below CHANGE
- BAG CHANGED? will appear on the screen, press the multifunction button below YES
- You can then review the infusion parameters by pressing the multifunction button below REVIEW
- Once you review the settings press the START/PAUSE button to start the infusion





ALARMS

- To temporarily silence the alarm audio, press the multifunction button below MUTE. If the alarm condition persists, the alarm audio resumes after 2 minutes.
- To dismiss the alarm after the alarm condition has been resolved, press the multifunction button below DISMISS. If the alarm condition was not resolved, the alarm will occur again.
- Pump alarms are grouped by priority.

Priority	Sound Volume (in dBA) at 1 meter		Behavior of Pump	Resolution
	High (default)	Low		
High Priority Error	70 ± 2	62 ± 2	Red indicator flashes. Infusion is stopped.	Immediate response is required. Cannot be resolved in the field. Requires replacement of pump.
High Priority Alarm	70 ± 2	62 ± 2	Red indicator flashes. Infusion is paused until the problem is resolved.	Immediate response is required. Can be resolved with immediate action.
Low Priority Alarm	62 ± 2	54 ± 2	Yellow indicator flashes. Infusion continues.	User awareness is required. User attention is required.

Turning the pump off

- Make sure the pump is idle- if a program is running, press start/pause to pause the infusion
- Press and hold down the ON/OFF button for 3 seconds.
- Settings are saved when pump is turned off



Changing Infusion Parameters



If the pump has not been started- editing is immediately available

Press the multi-function button with edit over it

ENTER PASSWORD will show – the password is **298** each digit is entered separately using the **+** or **-** buttons to move value up or down, press multifunction button below **NEXT** to move to next digit, once all digits are entered press multifunction button below **ENTER**

Adjust rate by using **+** or **-** buttons press multifunction button with **OK** over it to move on- will ask EDIT MORE PARAMETERS? Press the corresponding **YES** or **NO** multifunction button

If yes, you can adjust VTBI by pressing the **+** or **-** buttons, when finished press multifunction button below **OK** when finished

After adjusting the parameters, you will see CONFIRM RATE on the screen. Press multifunction button below **CONFIRM**. Confirm VTBI in the same manner

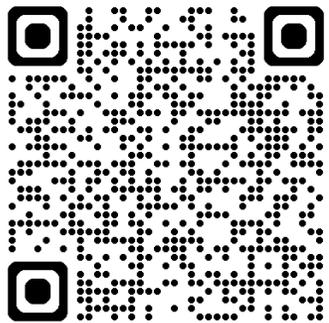
You then press **START** to begin the infusion

Changing infusion parameters continued

- After adjusting the parameters, you will see CONFIRM RATE, with options of EDIT and CONFIRM if you need to edit infusion parameters after an infusion has started
- Press START/PAUSE to pause the pump
- Press the multifunction button below EDIT
- Enter Password will show: the password is 298 - each digit is entered separately using the + or – keys to move value up or down, press multifunction button below NEXT to move to next digit - once all digits entered press multifunction button below ENTER
- You will be prompted to SET RATE - adjust by using + or – buttons
- Press multifunction button below OK
- You will be asked to CONFIRM RATE - press multifunction button below CONFIRM
- NOTE: if infusion has already started the only editable parameter is the rate- VTBI cannot be adjusted
- Once rate is adjusted press START/PAUSE button to restart the infusion

Chartwell PA AVOSET VIDEOS

Avoset Play List:



https://youtube.com/playlist?list=PLW3_3QzmcLTxTN0bCdb11x9meIM_slHxB&si=JN9lps6xBNRBBewx



Avoset: Bag Change

Chartwell Pennsylvania, LP • 43 views



Avoset: Stopping Your Infusion

Chartwell Pennsylvania, LP • 304 views



Avoset: Starting Your Infusion

Chartwell Pennsylvania, LP • 3 views

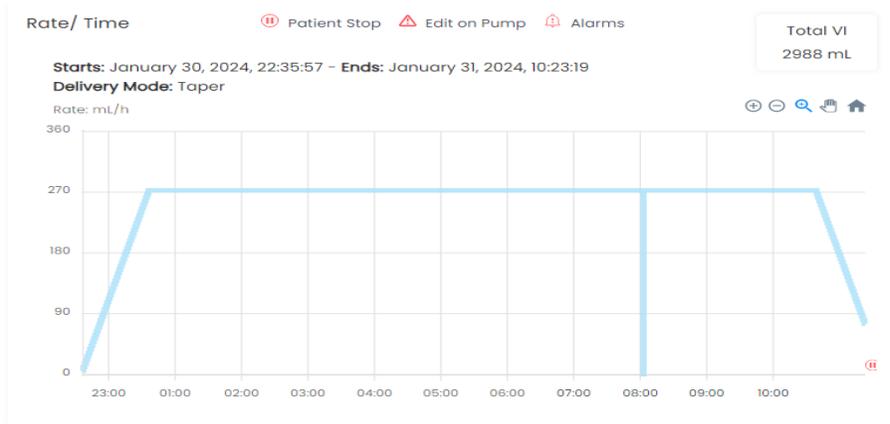


Cloud Technology: Avoset Go & Eitan Insights

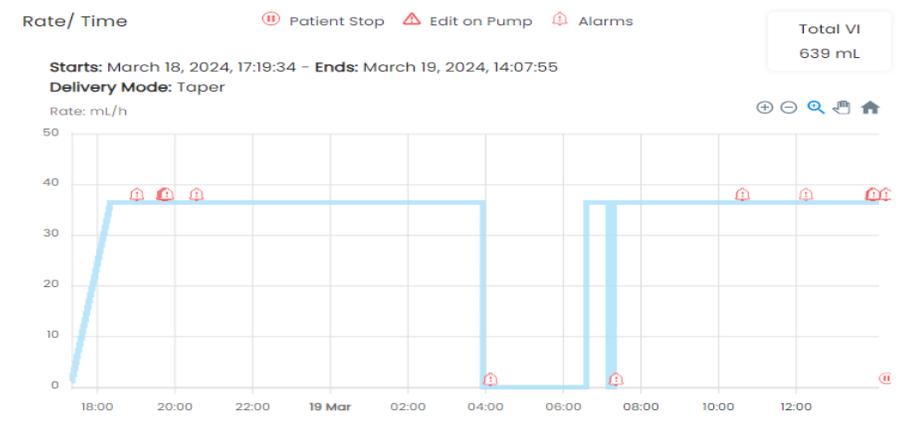
- Cloud based technology to support and monitor patients on home infusion pumps.
- Improve patient safety
- Support patient education and compliance
- Pump troubleshooting insight
- Geotracking for pump recovery

Single dose Data & Troubleshooting

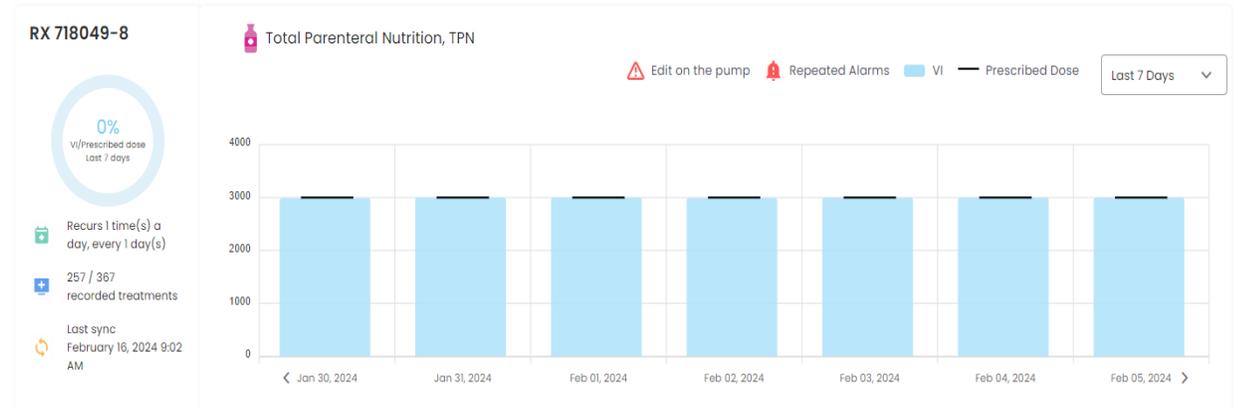
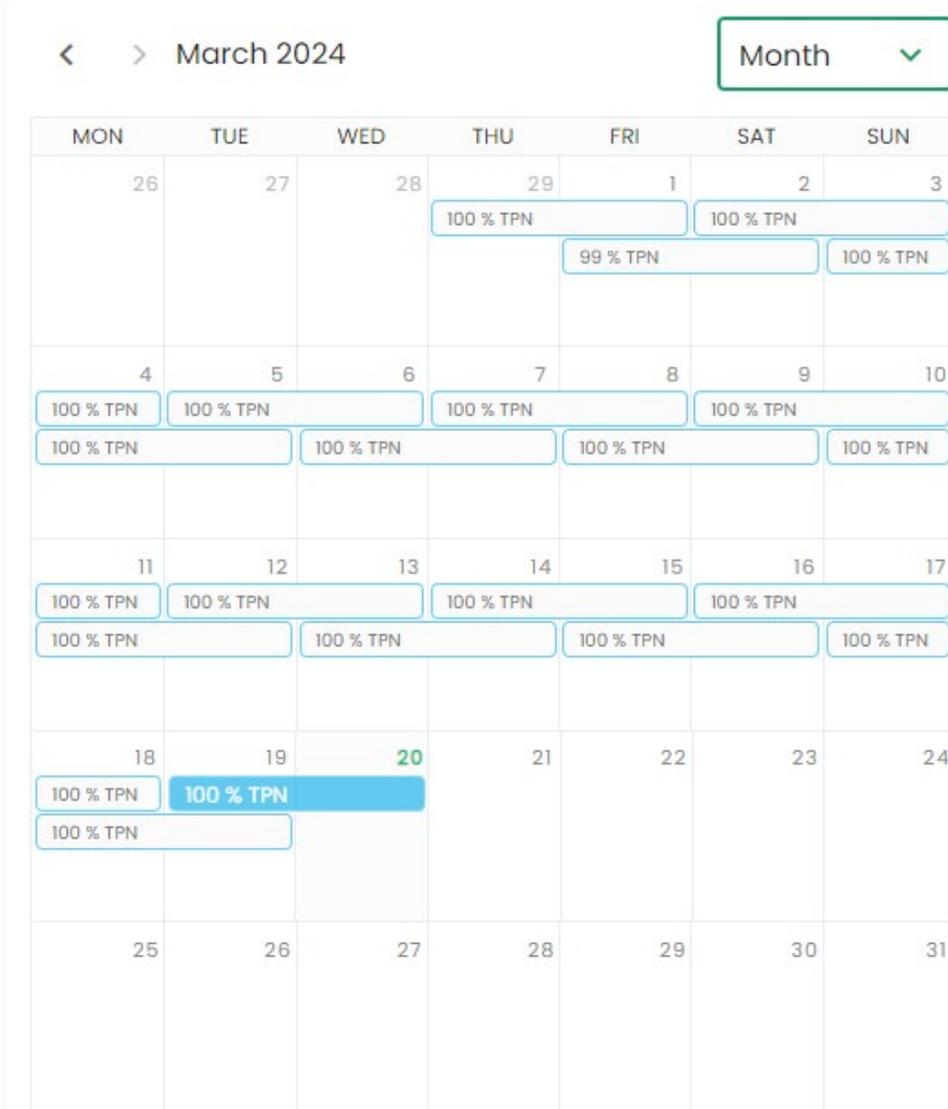
No Alarms



Alarms



Snapshot of Compliance



Eitan Insights: Pump Information

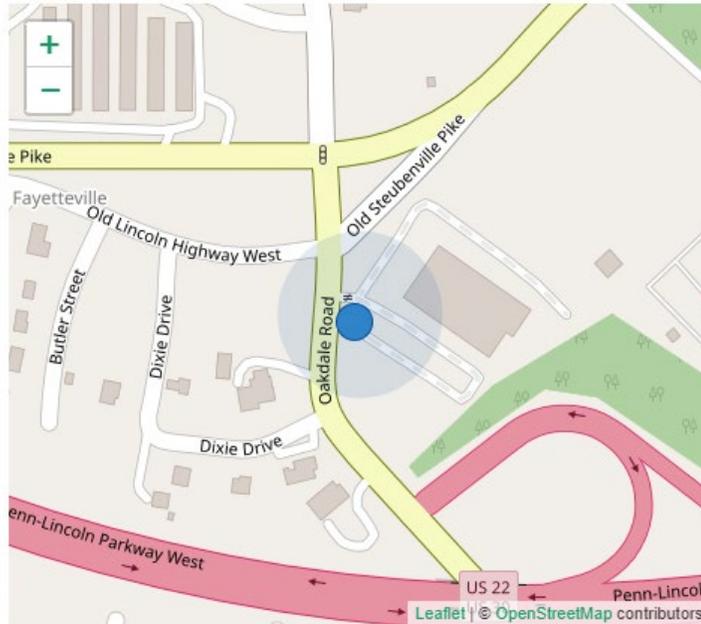
Info Treatments Event Log

Allocation

At Patient 86 days
Expected Return Date May 04, 2024
Last sync Today at 16:43

Technical

Branch Chartwell Oakdale
Software version 16.10
Last software update May 23, 2023
Registration date May 23, 2023
Drug library --
Next Preventive Maintenance --
Last Preventive Maintenance --



AVOSET GO APP

- Patients can download the AvosetGO APP on their phones to connect Bluetooth and we can see their infusion data in the Insights platform.

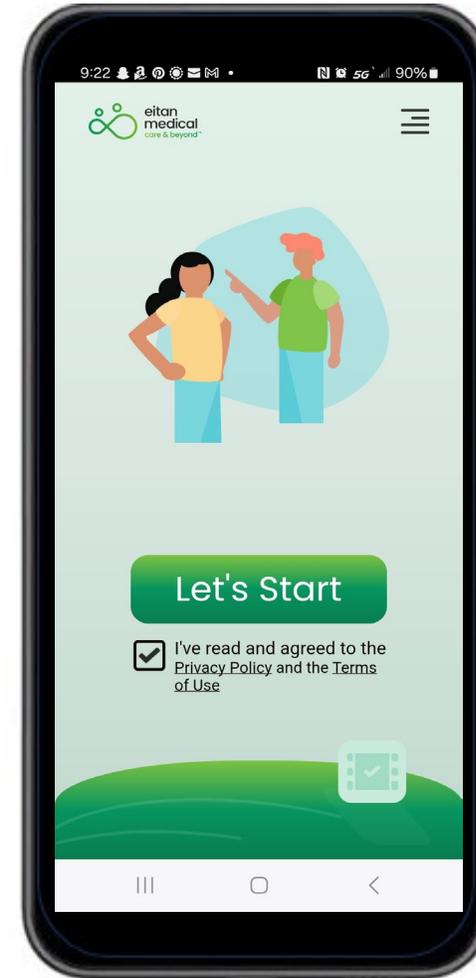
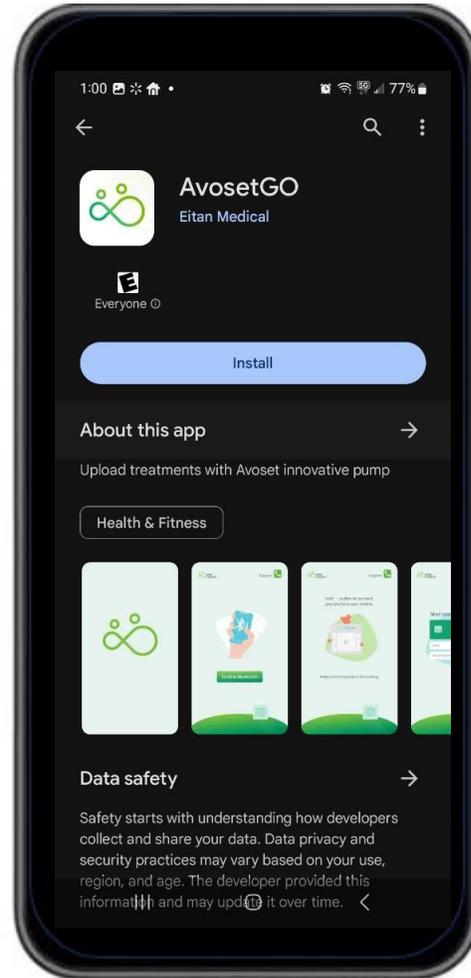
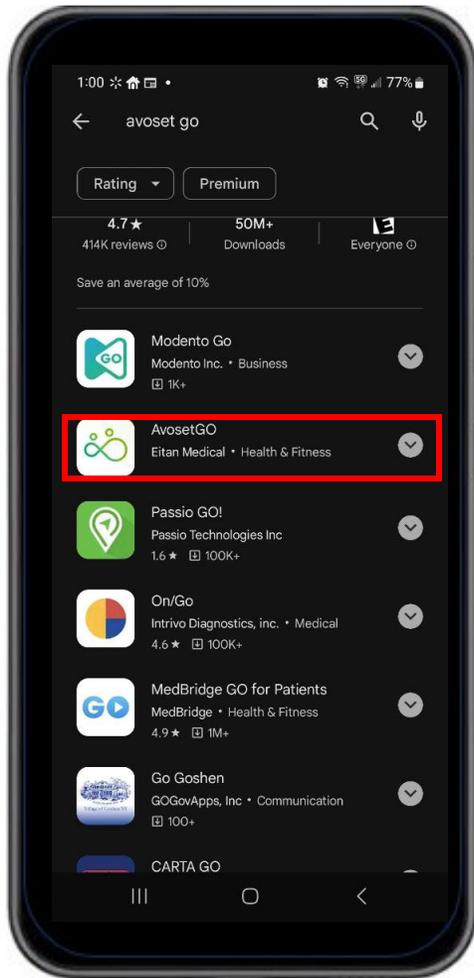




Android

Pairing your Avoset Pump with an Android Phone

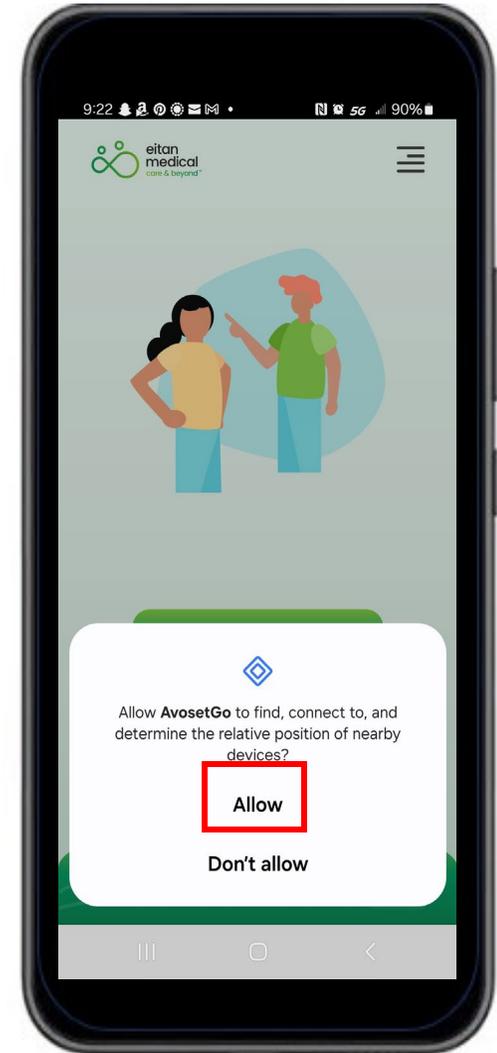
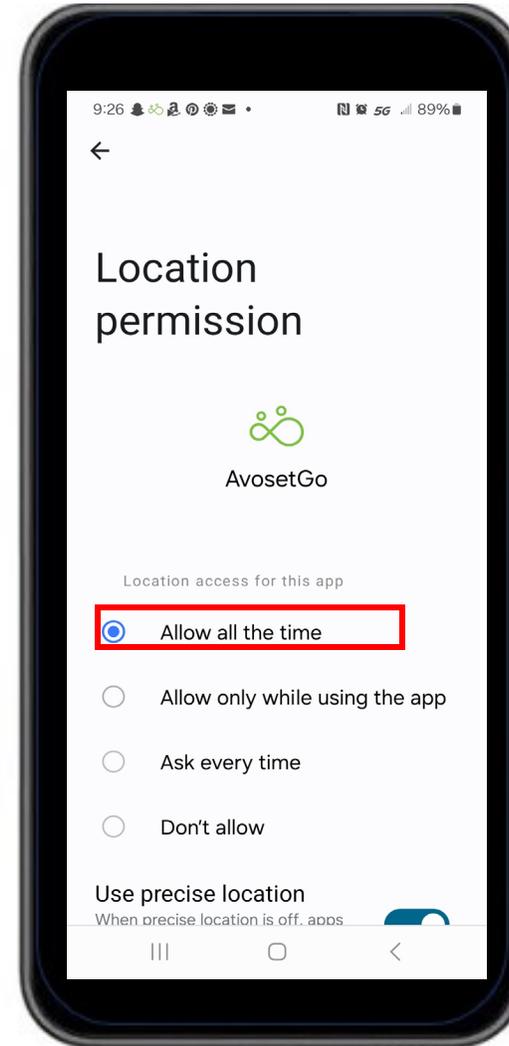
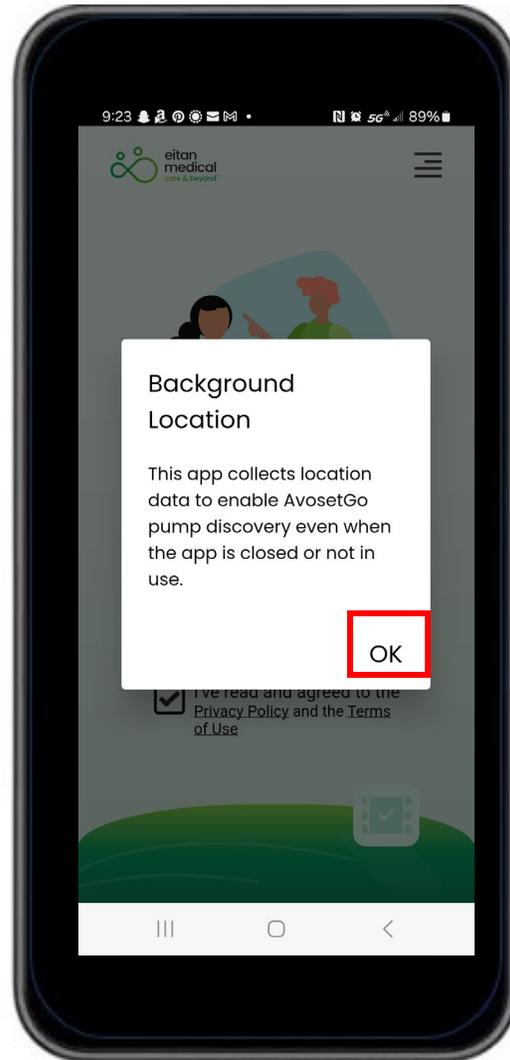
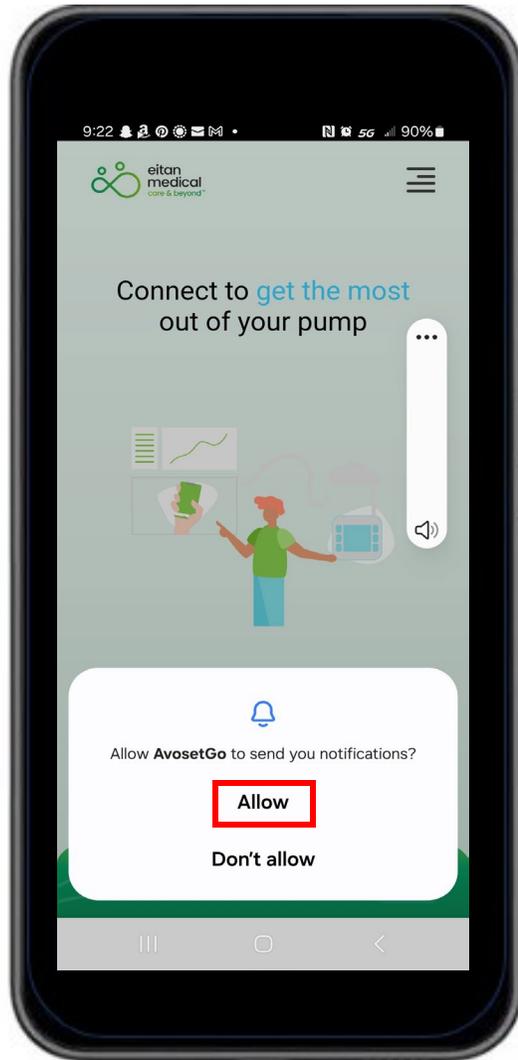
1. Download and open the AvosetGo App





Android

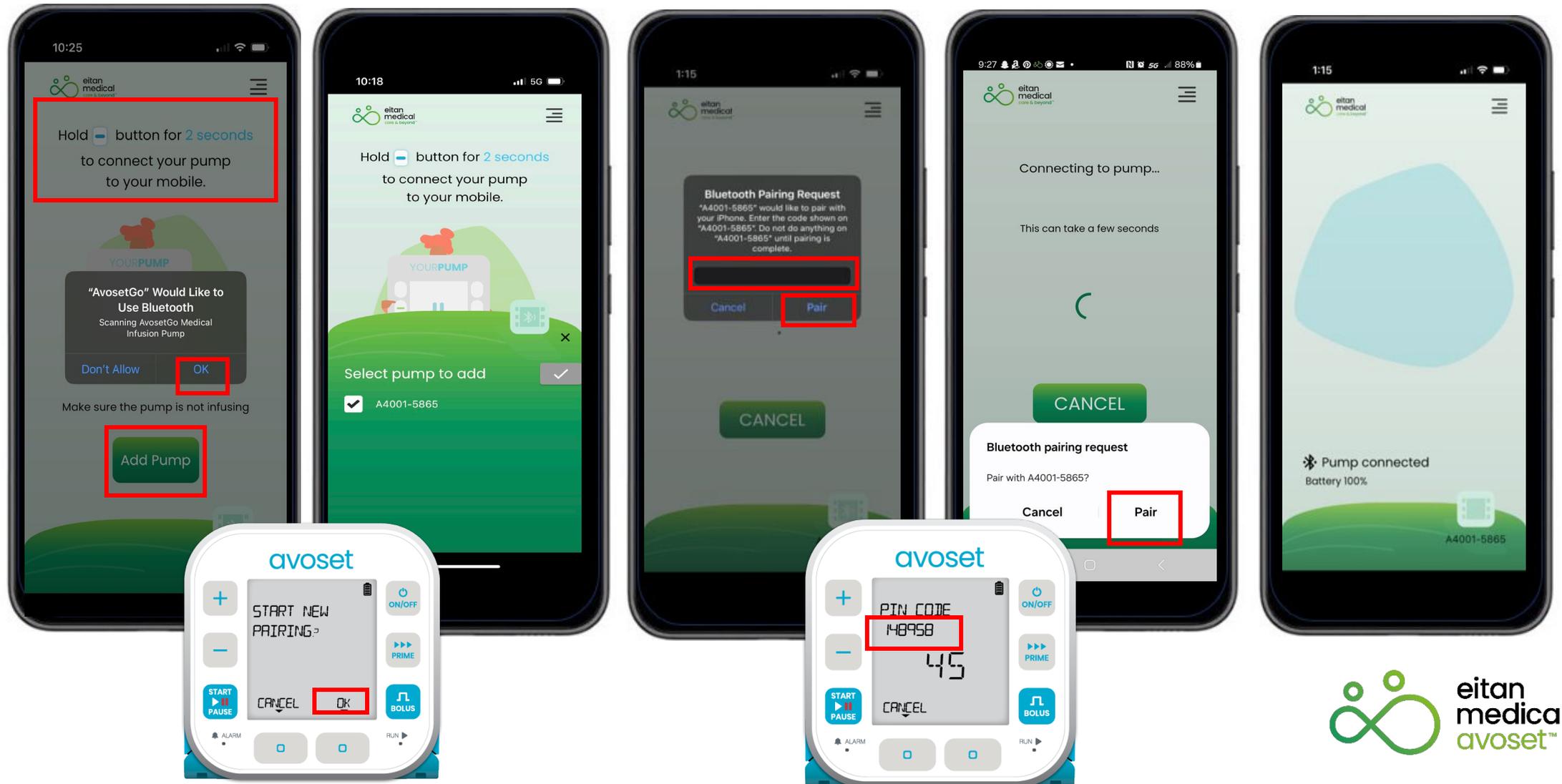
2. Select the prompts below.





Android

3. Pair the pump to the app by following the instructions listed in the app. Pairing is required just once per pump, unless the pump has been disconnected from the app.

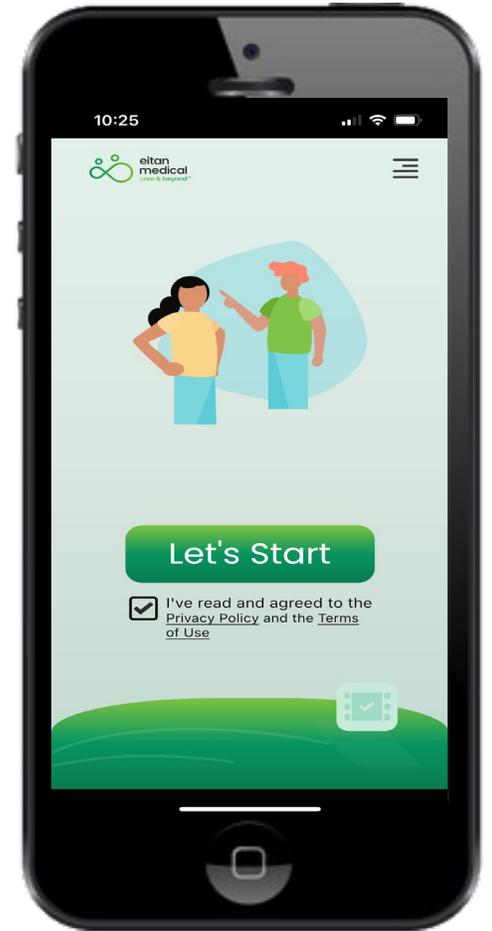
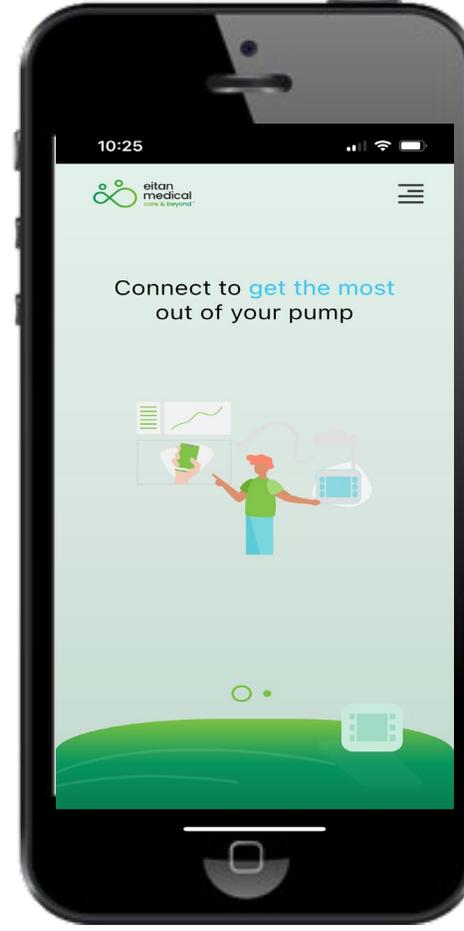
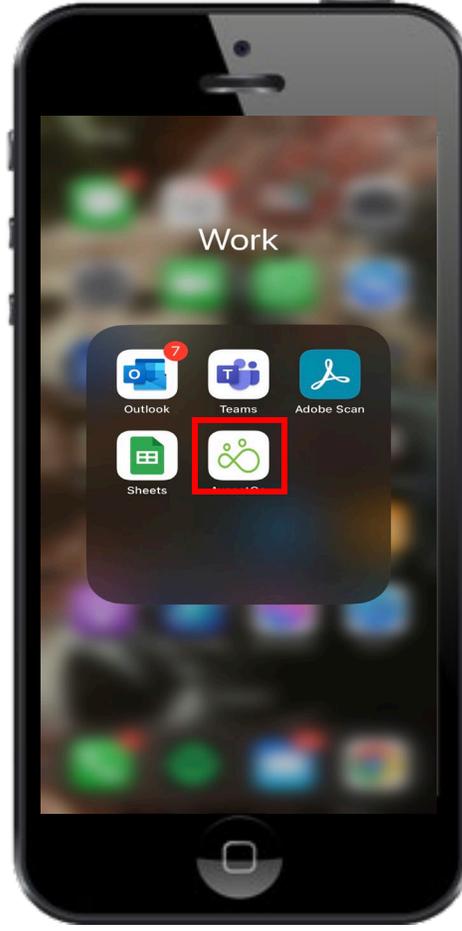
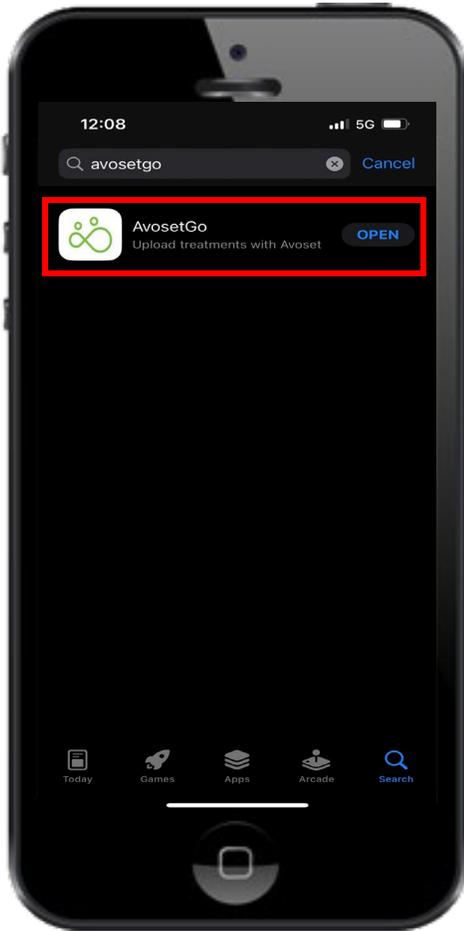




Apple

Pairing your Avoset Pump with an Apple Phone

1. Download and open the AvosetGo App

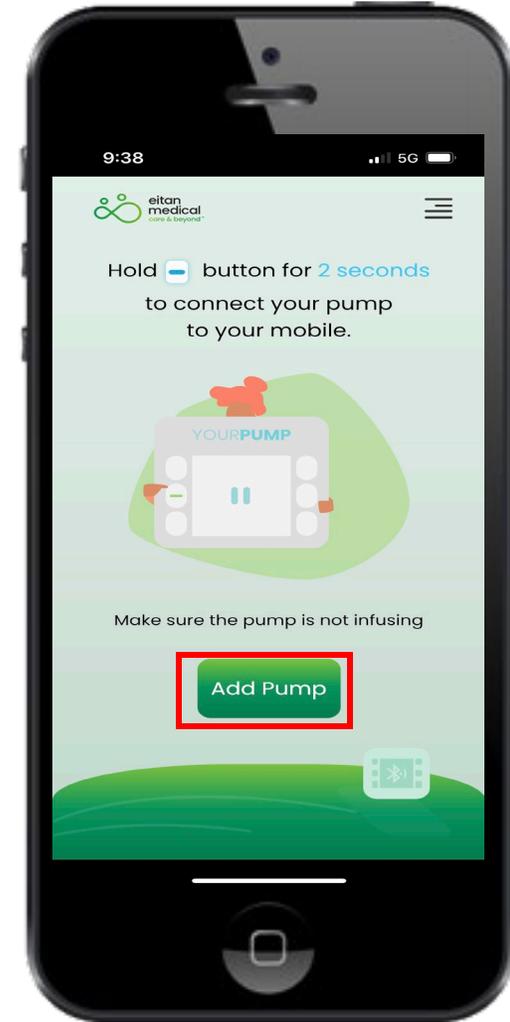
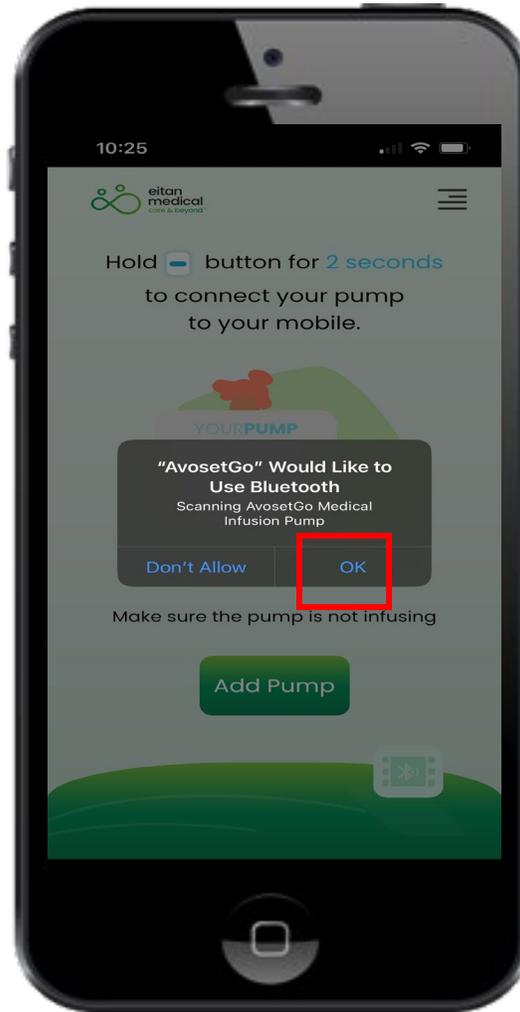
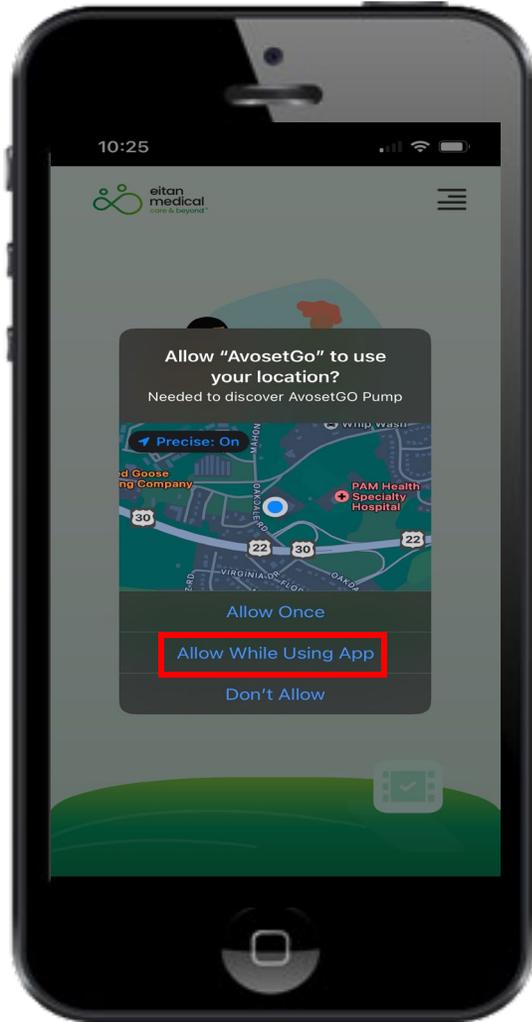


- Swipe left to get to the start-up screen



Apple

2. Select the prompts below.





Apple

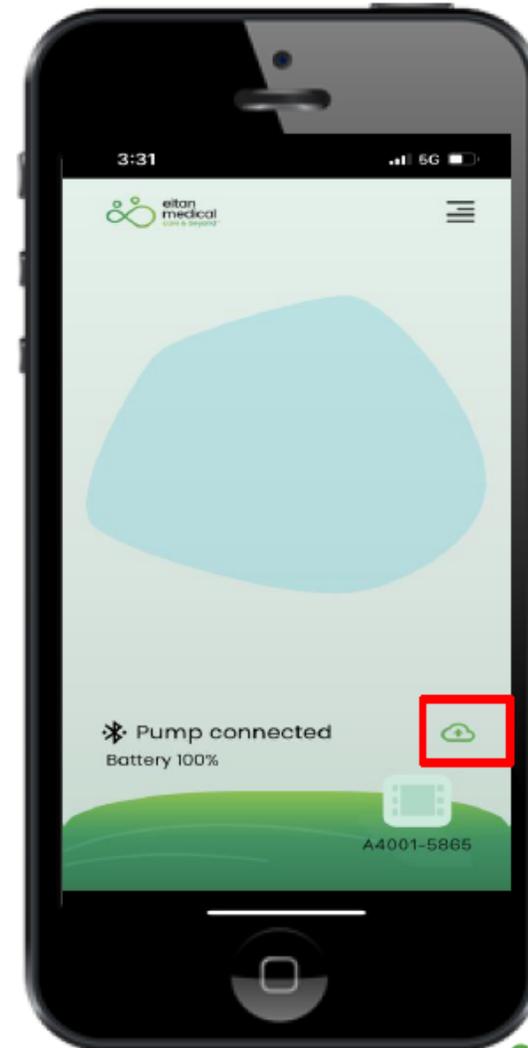
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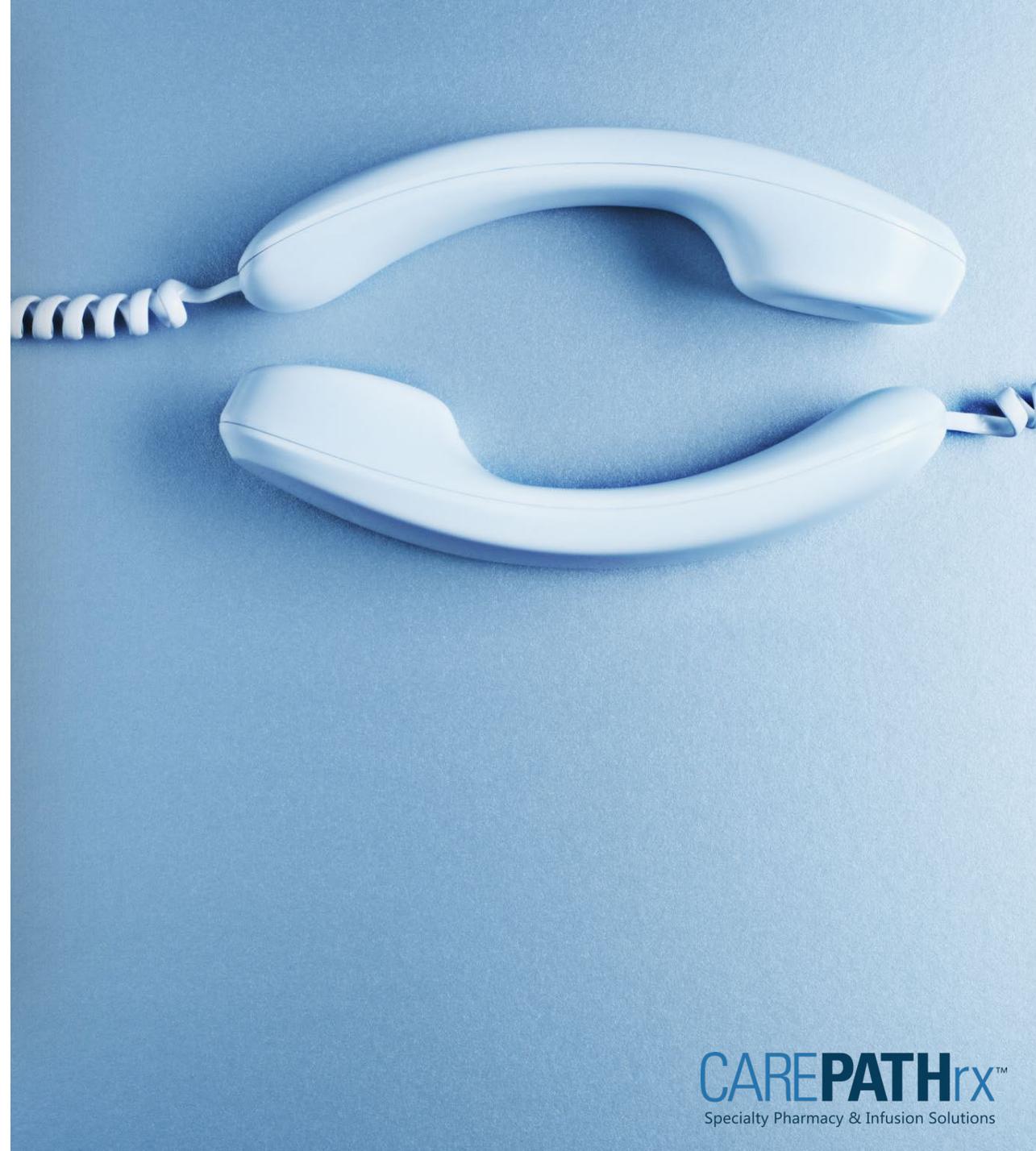
Using the App to Collect Data

- When treatment starts, the pump will disconnect from the app to save battery life. If the app is open and running, the pump will reconnect and send data approximately every 15 minutes. Data is being collected when the cloud icon appears.
- Android users- Open the app and allow the app to run on screen or in the background.
- Apple Users- App must remain open and on screen to collect data.
- When the app is closed, each time it is re-opened, it will collect and send data.



Pump swaps

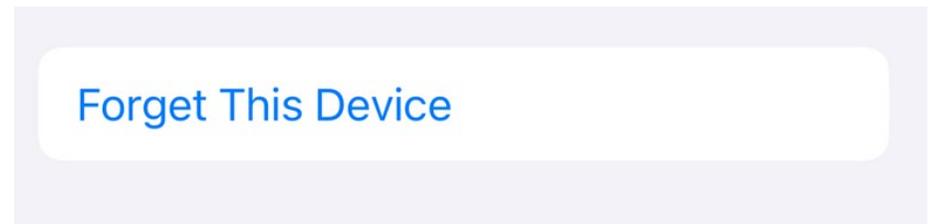
- The patient can only have one pump at a time paired with their phone.
- If we do a pump swap with the patient, they will need to unpair the old pump and pair the new pump.
- The process will look different for Apple and Android phones

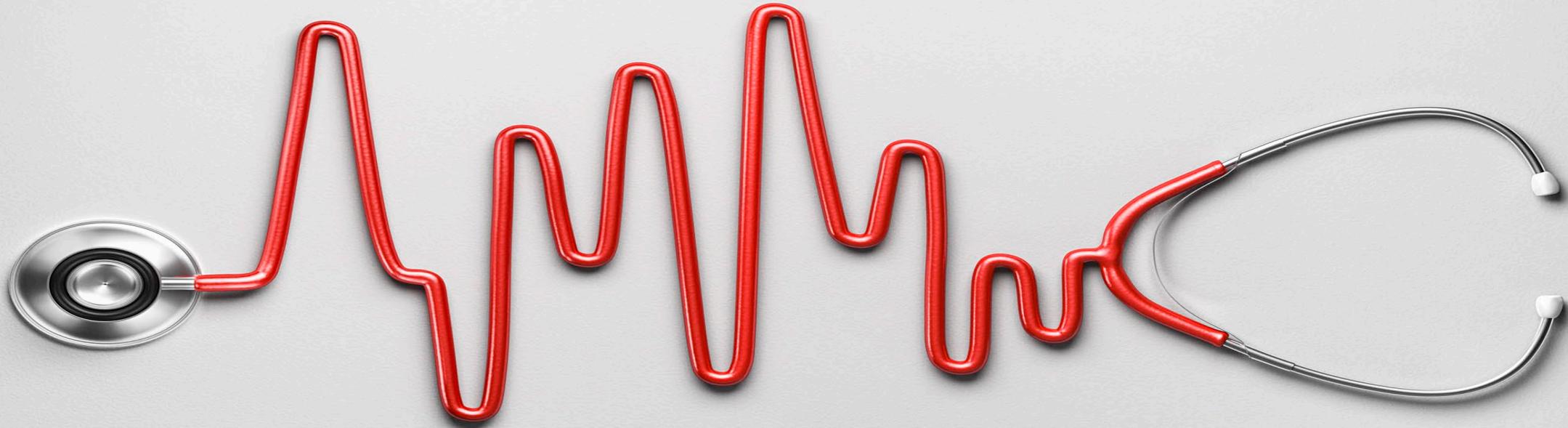


Unpairing the Pump-Apple Phones

Apple

- Patient will need to go into the settings
- For Apple phones: go to Bluetooth under settings and you will need to forget the device.





Please reach out with questions or for information on additional training opportunities.

nursingsupport@carepathrxllc.com

Christie Fisher MSN, MBA, RN, CRNI, IgCN
National Director, Nursing
Cell: 412-295-7849

Name: _____

Date: _____

Avoset Pump & AvosetGo Skills Checklist

	MET	NOT MET	COMMENTS
ASSESS PUMP FOR CORRECT MODE			
ASSESS PUMP FOR CORRECT SETTINGS			
CHECK FOR CORRECT TUBING			
ABILITY PRIME TUBING			
ABILITY TO MUTE ALARMS			
ABILITY TO TROUBLE SHOOT ALARMS			
ABILITY TO EIDT PUMP PERAMETERS			
ABILTY TO PAIR PUMP WITH AVOSET GO			
ABILITY TO TROUBLESHOOT AVOSET GO / SYNC			

Evaluator Name: _____

Signature: _____ Date: _____