



CHAMP App

Home Caregiver
Instructions



Ward Family Heart Center
CHILDREN'S MERCY KANSAS CITY



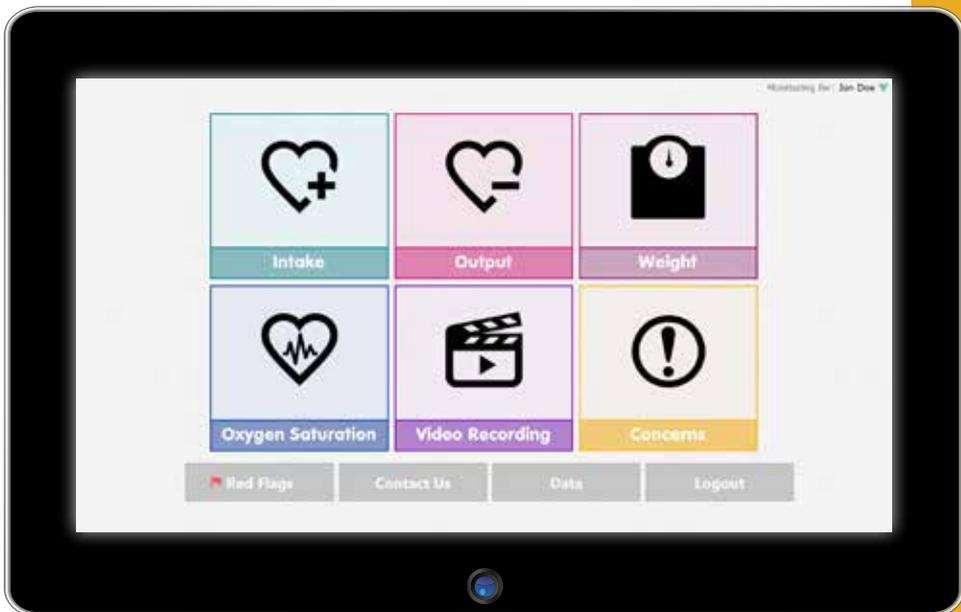
INTRODUCTION

Statement of Intended use:

- The CHAMP App is an electronic version of data entry for home monitoring teams for infants with a cardiac diagnosis. The primary intended use is for interstage single ventricle (SV) anatomy.
- Interstage monitoring includes data that can help the home monitoring providers communicate with parents at home about their child who has a single ventricle.
 - Oxygen saturations
 - Heart rate
 - Intake of formula or breast milk (by mouth or tube)
 - Output of stool, wet diaper, or vomiting
 - Videos (15 second)
 - Red flags with concerns or questions

“I like how the team could retrieve information immediately and address any concerns if need be.”

- The tablet can only run the CHAMP App. For the safety and security of your child's home monitoring information, the tablet will not allow Internet use or other applications.
- The CHAMP App itself does not do home monitoring of your child's medical condition. It will not provide any alerts to you if data entered is a red flag.



Note: There are instant alerts to your home monitoring providers that may occur after you put in certain data with the CHAMP App. If you feel you had entered information that should have triggered an alert and you have not had a call back in 15 minutes, please call or page your on-call home monitoring or cardiology provider. **The CHAMP App does not replace the calls to your team with emergency or urgent information.**

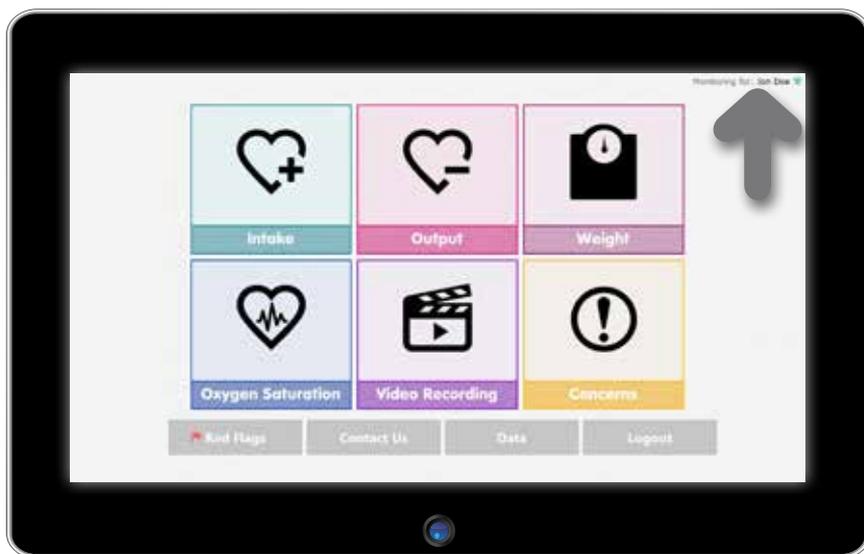
OPERATION

How to use your CHAMP App Tablet

- Off/On button is on the top left edge of the tablet.
 - To turn on, press the power button once.
 - To turn off, press and hold the power button for 20 seconds.



- The CHAMP App tablet has a power cord that connects on the right middle portion of the tablet.
 - Connect the power cord to the charging port on the tablet.
 - A light appears at the end of the cord when the tablet is getting power.
- There is a green tower icon on the right upper corner on the CHAMP App to indicate if it is connected to the tablet and that wireless data can be sent.
- The keyboard is on the screen and will open up for typing in information when you touch a box for numbers or comments.



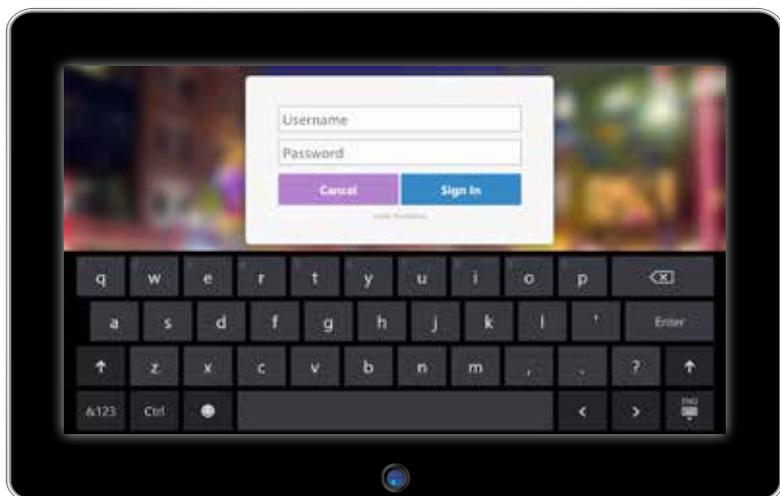
When using an electronic device, especially when children are present, basic safety precautions should always be followed.

Cleaning and Maintenance

- Scratches, finger grease, dust, chemicals and UV light can affect the performance of the tablet.
- Clean the touch-screen with a soft, lint-free cloth. The cloth may be used slightly dampened with water but do not use window cleaner or other chemicals.
- Keep the screen covered in a bag or case when not in use. Keep the tablet out of the sun for any extended period of time so heat and UV light do not damage it.
- Your CHAMP App tablet will turn off and reset each week automatically.

Logging In

- Username will be provided by your home monitoring team.
- Password will be provided by your home monitoring team.
- Call your home monitoring team with log-in questions.



- The keyboard will come up for you to type in your information when you select the username and password boxes to enter in your information. Tap the “Sign In” button or press enter to complete the log-in.

Sending in Data

- Data you have entered is transmitted to the Cloud system two minutes after saving.
- **You have to save the data by selecting the “Save” button on each tab after each entry to send it in.**



- Before hitting save, confirm the date and time are correct with the data entry. If you do not have good connection to the wireless service, the system may alert you there is not data transferring after your attempted save.
- If you put in any information that should instant alert (page) the team and you do not get a call back within 10-15 minutes, please call the on call team by phone or pager.
- If you saved wrong data or noted an error before two minutes, you can select the data on the right hand side and edit or delete the entry if those buttons come up after tapping the previously entered data.

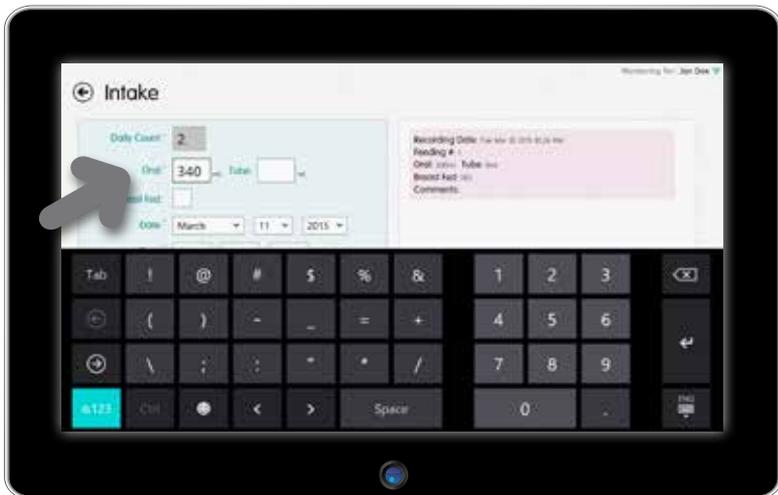
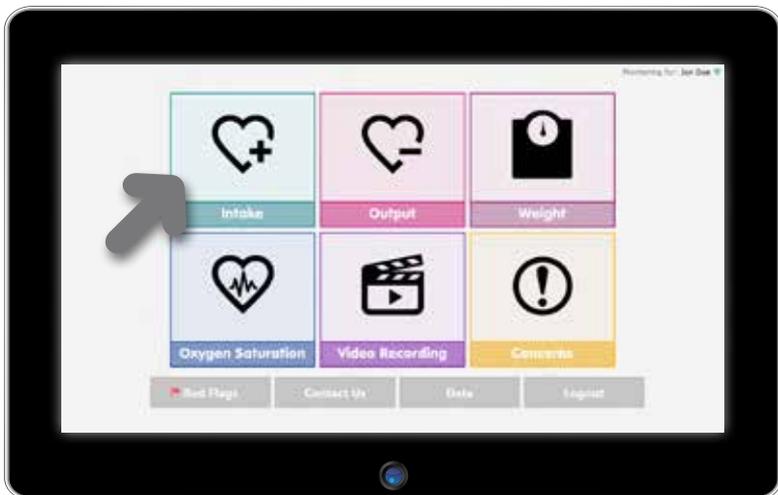


CHAMP APP TABS

“I enjoyed using it better than paper because I didn't have to worry about forgetting to send the information in.”

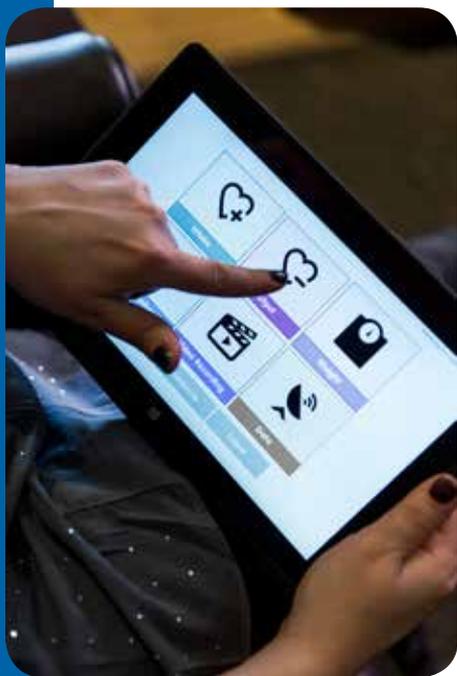
Intake

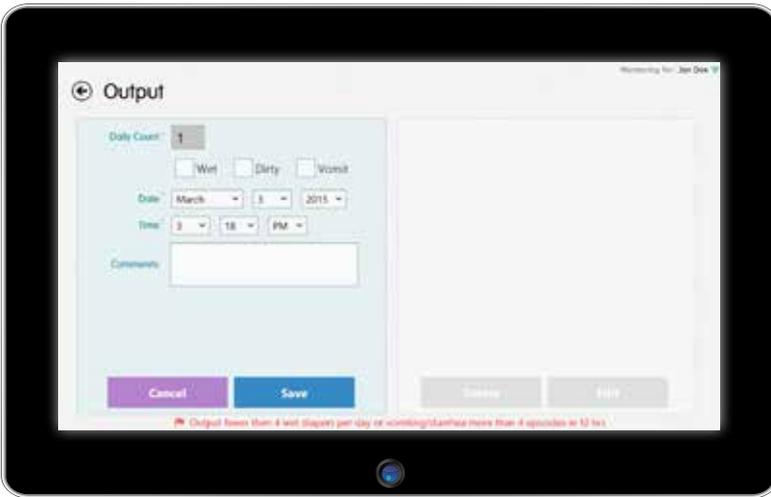
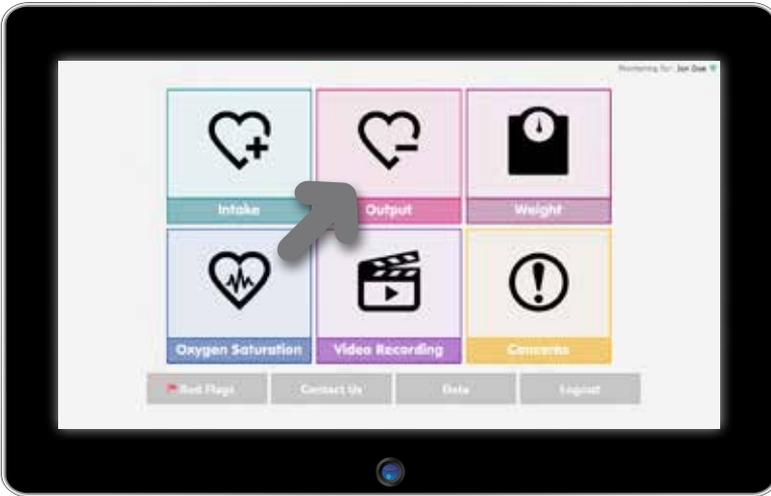
- Enter oral (by mouth feeding) amounts in mL with each feeding.
- Enter the type of formula or fortified breast milk with kcal concentration once a week or with changes in the comment.
- Enter Tube or G-tube feed amount in mL with each feeding or at the end of a continuous feeding.
- There is a box to check if you breastfeed.
- Enter the number of breastfeeding minutes in the comment area.
- If it is a G-tube continuous feeding, enter the total amount (280ml) infused when the feeding is done.
- Feeding volumes for the last 24 hours are calculated every morning at 7:59 a.m.
- Before leaving the Intake tab, select the save button at the bottom left corner **after each entry.**



Output

- Select Wet diaper box when one occurs and select save.
- Select Dirty diaper/stool box.
- Enter the stool description
 - Red (bloody)
 - Diarrhea (watery)
 - Brown
 - Hard
 - Solid
 - Soft
 - Tarry (black)
 - Pale
- Select the Vomit box if more than a normal baseline spit up has occurred to watch for dehydration (more than half of the feeding volume).
- Before leaving the Output tab, select the save button at the bottom left corner **after each entry**.

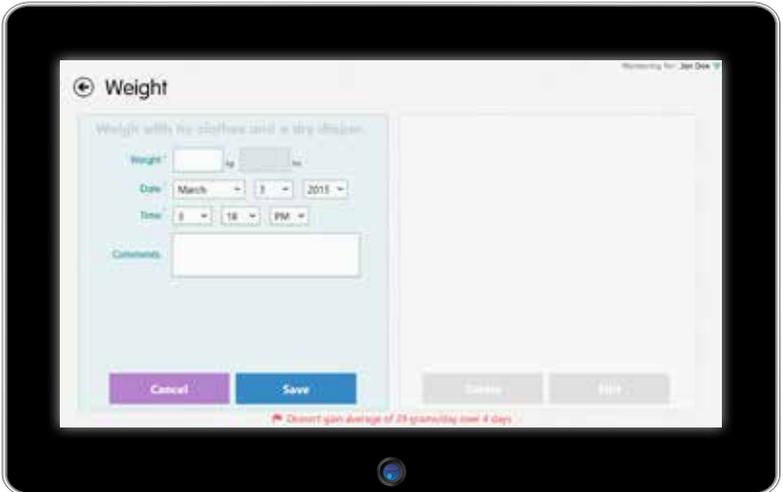
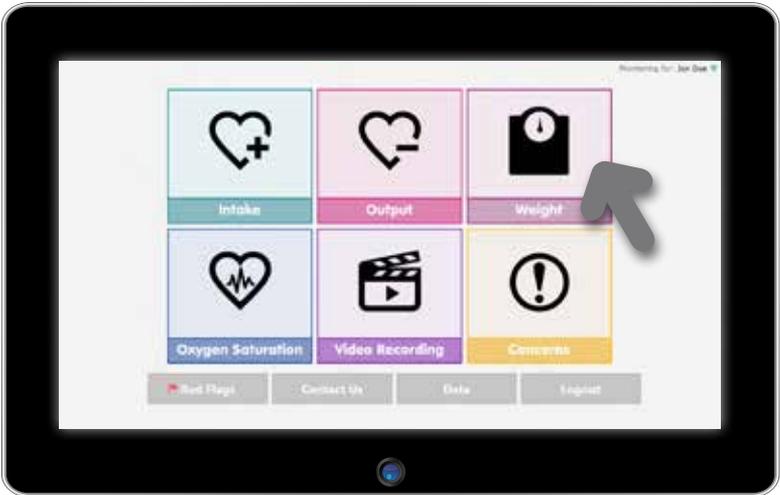




“Truly amazing. My son had his medical team watching him instantly and continuously because of this. Top of the line monitoring! Best possible care thanks to the team and the use of this app!”

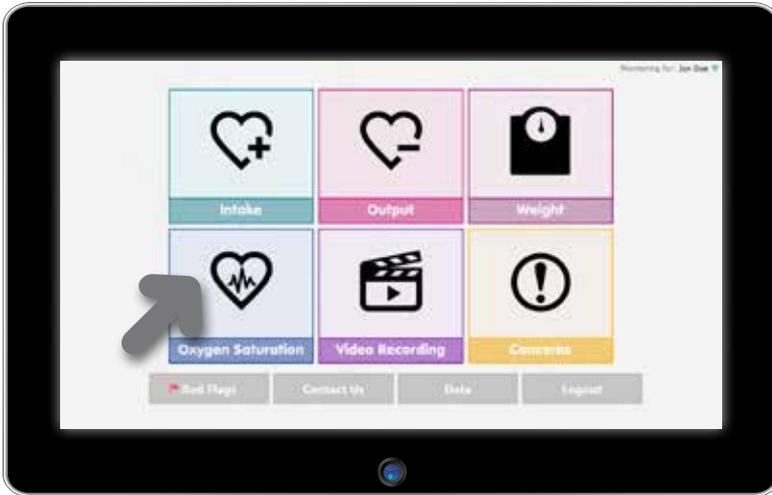
Weight

- Weigh your baby naked with a dry diaper.
- Enter daily weight in kilograms.
- Select save to enter the data.



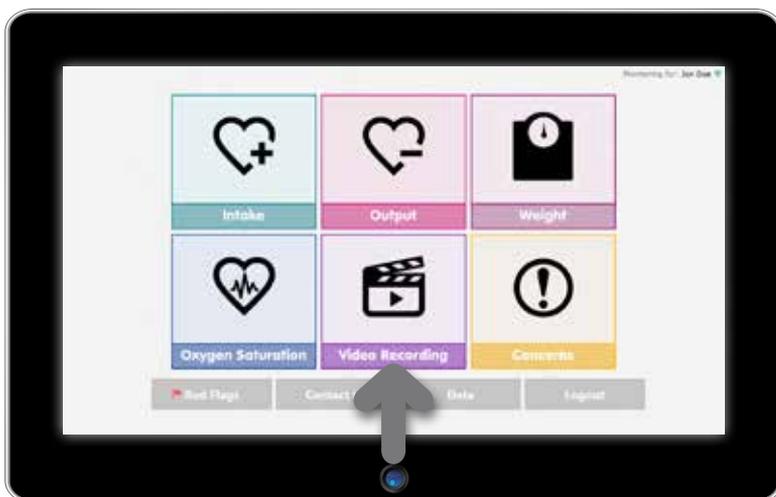
Oxygen Saturations and Heart Rate data

- Enter oxygen saturations and heart rate data and select save.



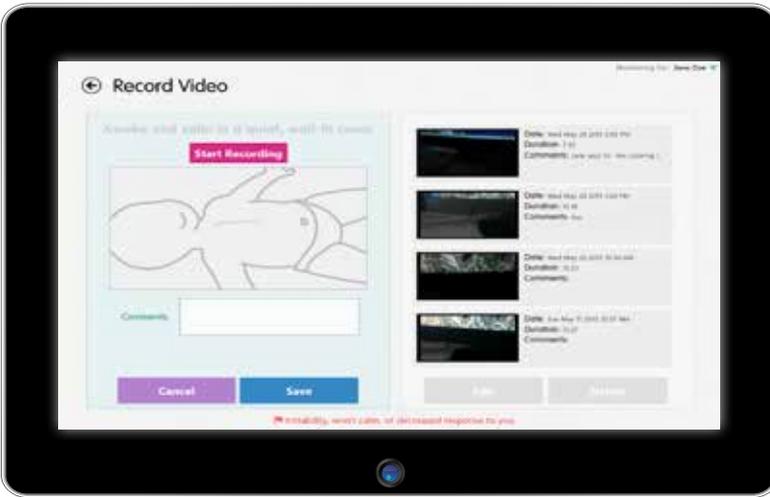
Video

- 15 second videos can be recorded.
- Your baby needs to be awake during the video. The video image should be a close-up without a shirt on that includes the baby's head (eyes, nose) and belly to see breathing.
- Take a daily baseline video.



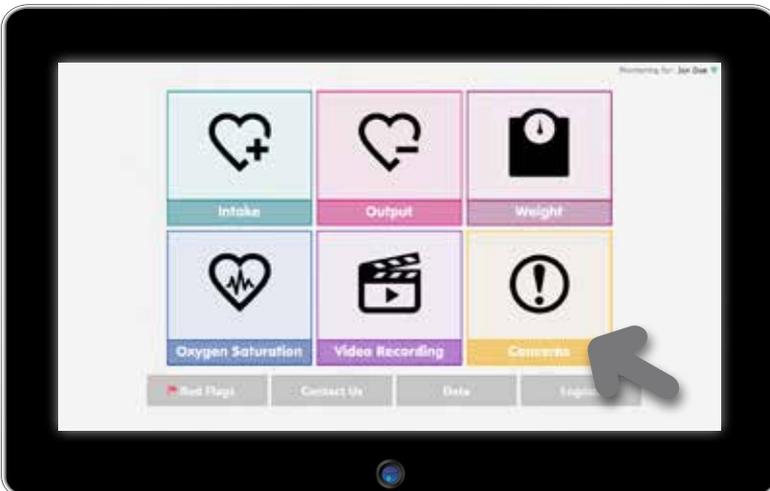
- In addition, use the video option when you have concerns about changes in status or a new red flag.
- Take the video in a room with plenty of light so color (pink, pale, or cyanotic) is easy to see on your child.
- The video has sound capability so we can hear the child's breathing and behavior. Please limit background music and television during the video.



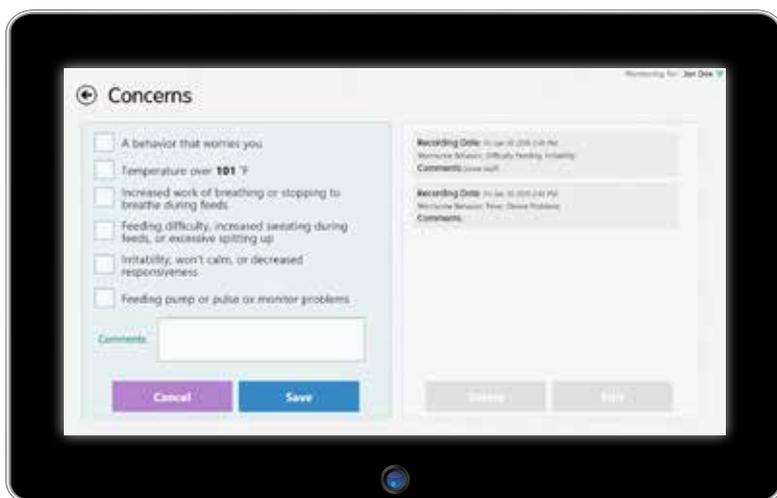


Concerns

- You can select the area for concerns to be paged to the team.
- A behavior that worries you
- Temperature over 101F
- Increased work for breathing or stopping to breathe during feeds

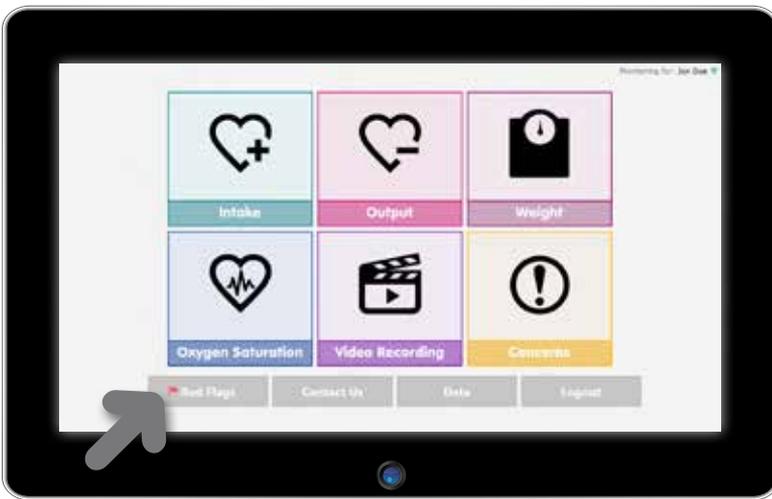


- Feeding difficulty, increased sweating during feeds, or excessive spitting up
- Irritability, won't calm, or decreased responsiveness
- Feeding pump or pulse ox monitor problems

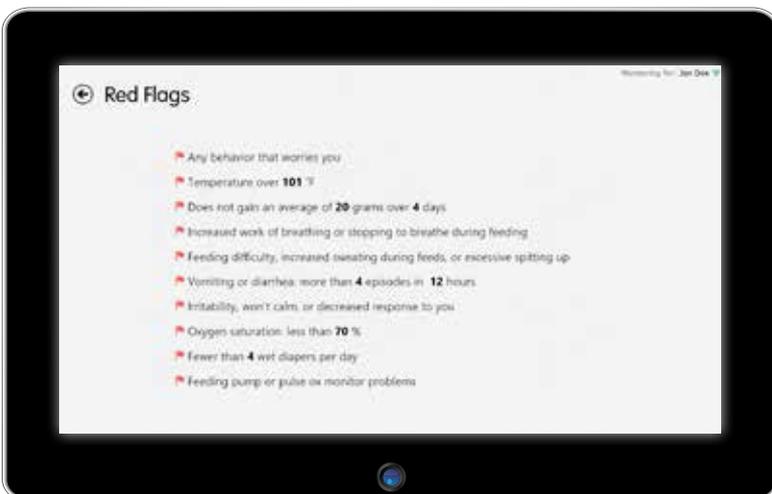


Red Flags

- Standard Single Ventricle red flags have been put on the CHAMP App as recommendations on when you should communicate with your child's team.
- These will not alert you if the data you have entered is outside the recommended limit but will just act as a reminder.
 - Any behavior that worries you
 - Temperature over 101F
 - Does not gain an average of 20 grams per day over 4 days
 - Increased work of breathing or stopping to breathe during feeding

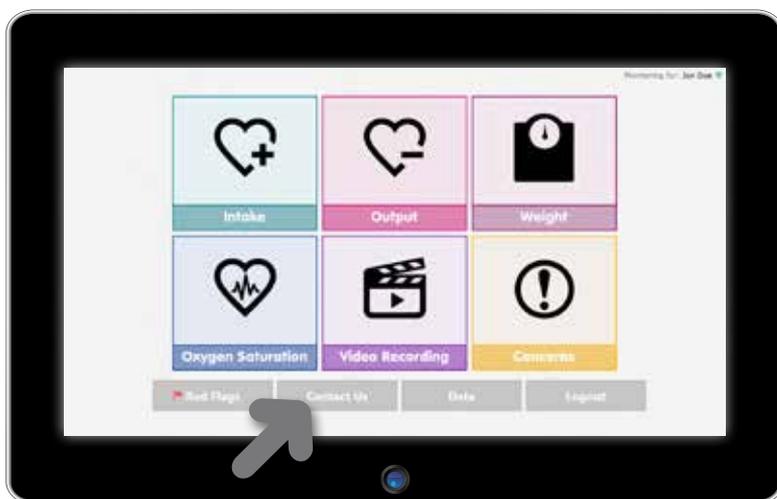


- Feeding difficulty, increased sweating during feeds, or excessive spitting up
- Vomiting or diarrhea: More than 3 episodes in 24 hours
- Irritability, won't calm, or decreased response to you
- Oxygen saturation less than 70%
- Fewer than 4 wet diapers per day
- Feeding pump or pulse ox monitor problems



Contact Us

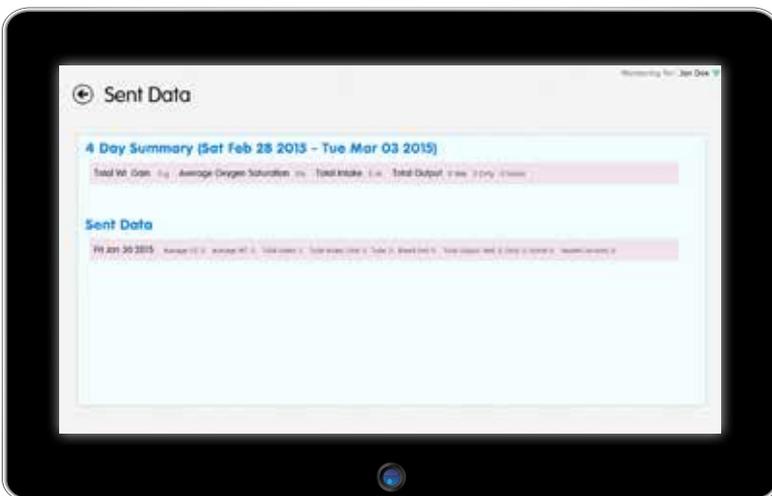
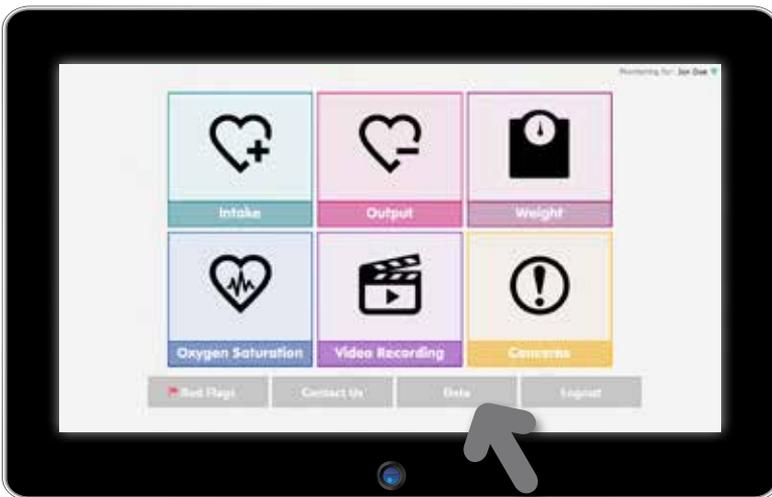
- For support, please contact :
 - In case of Emergency, dial 911 immediately.
 - For questions or concerns please contact your home monitoring team on their timing recommendations (day time or after hours/ weekends).
 - If your tablet is not working, please use paper documentation.



Sent Data

- 4 Day Summary will show the calculations of
 - Total weight gain (in grams)
 - Average oxygen saturations (%)
 - Total intake (ml)
 - Total output (amount)

- Sent Data will show last 24 hours of
 - » Average O2 saturation
 - » Weight
 - » Total number of videos
 - » Total and route of feedings
 - » Total and type of output
 - » Number of concerns





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CHILDREN'S MERCY KANSAS CITY

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