

FreeStyle Libre Reader 2 System



FreeStyle Libre Reader 2 System Owner's Manual

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FreeStyle Libre Reader 2 System



Product Information

Specifications

- Water-resistant sensor up to 1 meter for 30 minutes
- Applicator for sensor application
- FreeStyle LibreLink app for data viewing
- Sensor worn on the back

Product Usage Instructions

Applying the Sensor

1. **Wash, Clean, and Dry:** Choose a flat spot on your upper arm. Shave and cleanse with non-moisturizing, fragrance-free soap and water. Use an alcohol wipe to clean and let it air dry.
2. **Prepare Applicator:** Open the sensor pack, align the dark marks on the applicator and sensor pack, apply firm pressure, and then lift.
3. **Apply:** Press the sensor firmly onto the prepared area, listen for a click. After a few seconds, slowly pull back, leaving the sensor on the skin.

Tips to Keep Sensor in Place

- Watch the video tutorial on how to apply and replace your FreeStyle Libre 2 sensor
- Before applying the sensor, ensure the area is clean and dry for better adhesion.
- Watch the video tutorial on how to set up the FreeStyle LibreLink app and start your sensor.

Understanding Your Glucose Measurements

The FreeStyle Libre 2 sensor readings may differ from fingerstick blood glucose tests due to the sensor filament's

position under the skin surface. The sensor filament is less than 0.4 millimeters thick and is inserted 5 millimeters under the skin surface.

Welcome to the FreeStyle Libre 2 system

As the #1 sensor-based glucose monitoring system used worldwide, the FreeStyle Libre system has liberated millions of people with diabetes from the burdens of fingerstick testing.² We hope you enjoy your new FreeStyle Libre 2 system.

- Get real-time glucose ³, anywhere, right to your smartphone.⁵
- Understand how your body responds to treatment, food, and exercise.
- See patterns and trends and customise optional glucose alarms for lows and highs.
- Share insights with a healthcare professional
- Get the complete picture of your glucose levels, not just a snapshot.

Applicator

Used to apply the sensor.



Sensor

Worn on the back of the upper arm



The FreeStyle LibreLink app

Use your smartphone to see your data.⁵

The FreeStyle LibreLink app is free to download.⁸



Images are for illustrative purposes only. Not actual patient data.

1. Data on file, Abbott Diabetes Care. Data based on the number of users worldwide for the FreeStyle Libre systems compared to the number of users for other leading personal use sensor-based glucose monitoring system.
2. A fingerstick test is required if glucose readings and alarms do not match symptoms or expectations.
3. 60-minute warm-up required when applying the sensor.
4. Sensor is water resistant in up to 1 metre (3 feet) of water for a maximum of 30 minutes. Do not immerse longer than 30 minutes. Not to be used above 10,000 feet.
5. The FreeStyle LibreLink app is only compatible with certain mobile devices and operating systems. Please check the website for more information about device compatibility before using the app. Use of FreeStyle LibreLink may require registration with LibreView.
6. Notifications will only be received when alarms are turned on and the sensor is within 6 meters of the reading device. You must have override do not disturb settings enabled to receive alarms and alerts on your smartphone.
7. The LibreView website is only compatible with certain operating systems and browsers. Please check www.LibreView.com for additional information.
8. A wireless internet connection or mobile data connection is required to download the FreeStyle LibreLink app. Charges may apply.

Three steps to apply sensor

1. **Wash, clean, and dry**

Choose a flat spot on your upper arm. Shave and cleanse with non-moisturising, fragrance-free soap and water then use an alcohol wipe to clean and let it air dry. **Prepare applicator**

Open the sensor pack by peeling back the lid. Remove the cap from the sensor applicator. Align the dark marks on the applicator and sensor pack. Apply firm pressure and then lift.

2. **Apply**

Press the sensor firmly onto the prepared area. Listen for a click. After a few seconds, slowly pull back, leaving the sensor on the skin.



Watch the video tutorial on how to apply and replace your FreeStyle Libre 2 sensor

Tips to help keep your sensor in place

Before you apply the sensor

- Do not use body lotion or cream where
- Do shave any excess arm hair as it can get caught between the sensor adhesive and skin.

Tips to help keep your sensor in place

- Be sure to select a site on the back of your upper arm that will minimise the risk of knock-off.
- Be careful not to catch your sensor on a doorway, car door, seat belt, or furniture edges.
- After a shower or swim, take extra care when toweling off to avoid catching or pulling off your sensor.
- When dressing or undressing, be careful that you don't catch your undergarments on the sensor.

Watch the video tutorial on how to set up the FreeStyle LibreLink app and how to start your sensor

Understanding your glucose measurements

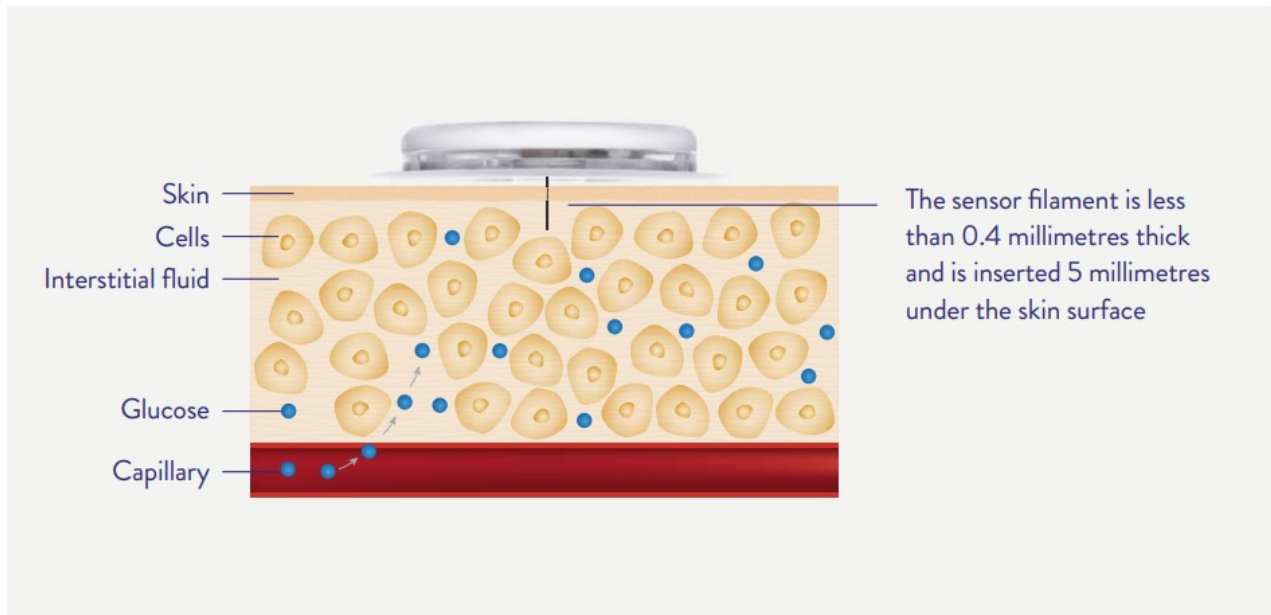
Why are FreeStyle Libre 2 sensor readings sometimes different from a fingerstick blood glucose test?

Blood glucose and sensor glucose are closely related but not identical. The glucose measured by the FreeStyle Libre 2 sensor has made its way from the blood into the interstitial fluid. This takes a little time and so the sensor

glucose reading always lags behind the blood glucose reading of a fingerstick test by about 2.1 minutes for children and about 2.4 minutes for adults.¹ When your glucose levels are stable, the two readings may be very similar. If glucose levels are rising or falling, the two readings may be different.

This is completely normal particularly after meals, after taking insulin or after exercising. Although the readings may differ slightly, the FreeStyle Libre 2 system is accurate¹ and safe to dose insulin from your sensor glucose result.

Images are for illustrative purposes only.

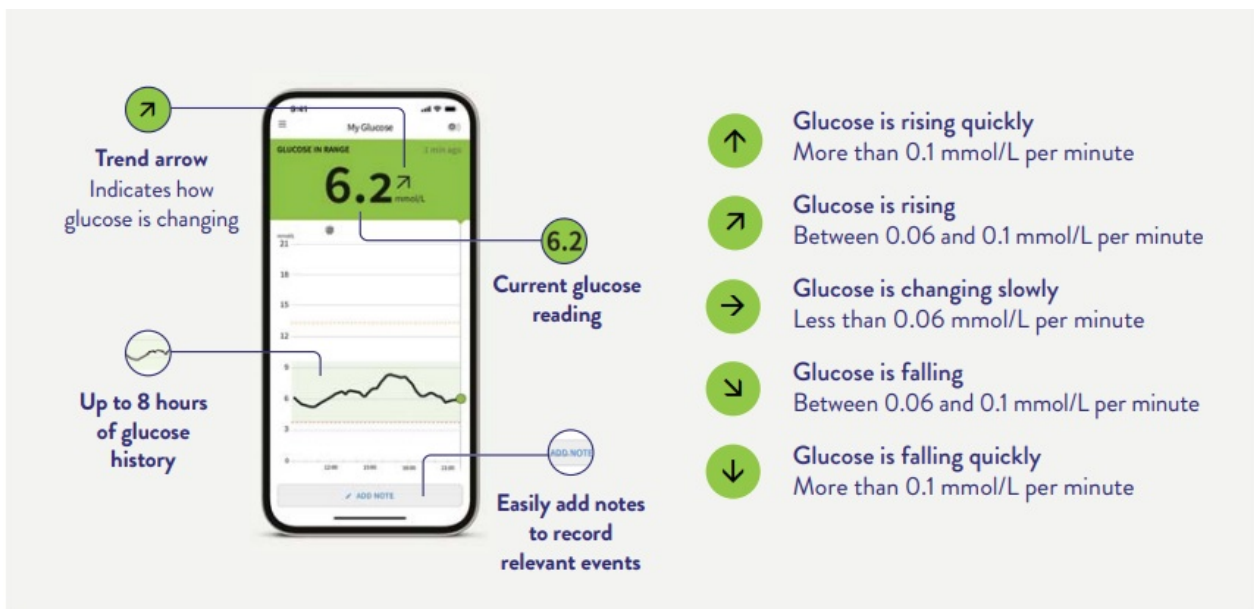


Watch the video explanation

Capturing your data

Real-time glucose readings are automatically updated every minute and sent directly to your smartphone¹.

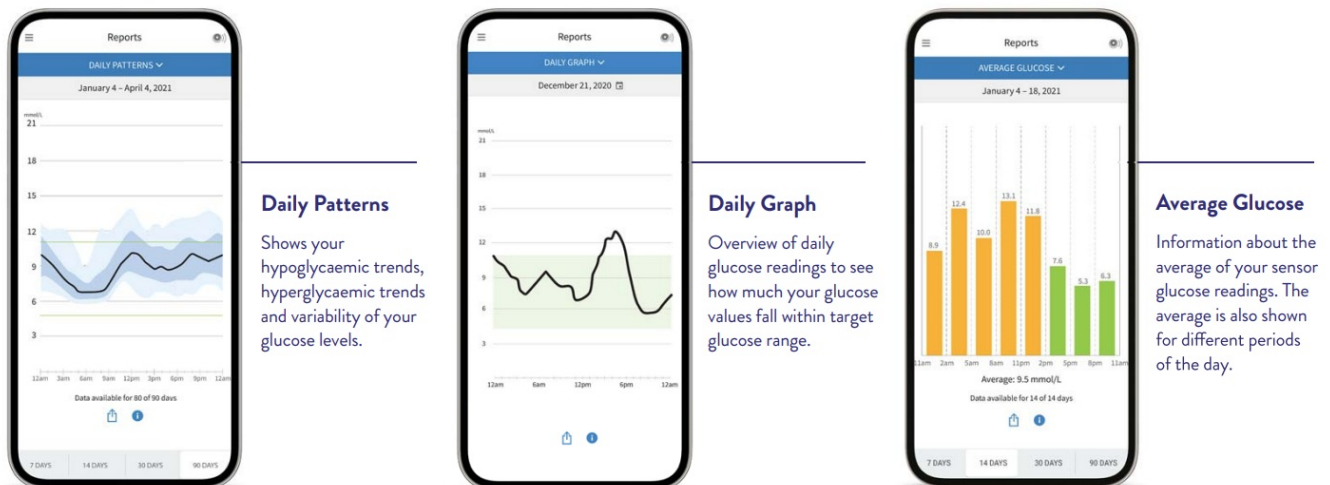
1. With the FreeStyle Libre 2 system, you get minute-to-minute glucose readings – anytime², anywhere³ – to help you manage your diabetes more confidently.
2. Quickly see how diet, exercise, stress, insulin, medication and other activities affect your glucose levels, so you can take appropriate action.
3. You can also scan for glucose readings anytime, even during a signal loss. This allows you to fill in up to 8 hours of missing data, so your glycemic picture is complete.



- The FreeStyle Libre 2 system enables the user to learn about how diet, exercise, insulin, and other activities
- The trend arrows show the direction that glucose is heading, supporting insulin management decisions.
- Optional glucose alarms⁴ let you know the minute your glucose is too low or too high.

Understanding your data

Reports that can easily and quickly provide the answers you need.



Time in Range

What is Time in Range?

HbA1c is your average glucose over the past two to three months. But a normal HbA1c doesn't mean your glucose is within your target range today¹, is where Time in Range can help.

Time in Range is the percentage of time that a person spends with their glucose your Healthcare Professional to set your target glucose range.

The FreeStyle Libre 2 system automatically calculates the percentage of time you spend in, above, or below target range, e.g. 3.9-10.0 mmol/L.

What is Time in Range?

HbA1c is your average glucose over the past two to three months. But a normal HbA1c doesn't mean your glucose is within your target range today¹, which is where Time in Range can help.

Time in Range is the percentage of time that a person spends with their glucose levels in a target glucose range. Work with your Healthcare Professional to set your target glucose range.

The FreeStyle Libre 2 system automatically calculates the percentage of time you spend in, above, or below target range, e.g. 3.9-10.0 mmol/L.

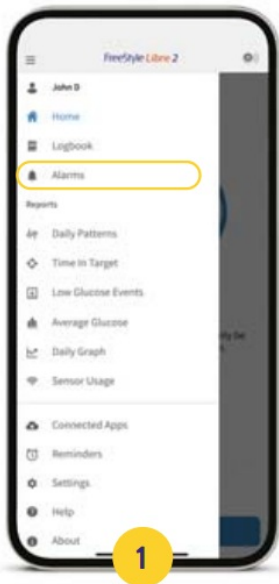


Why is Time in Range important?

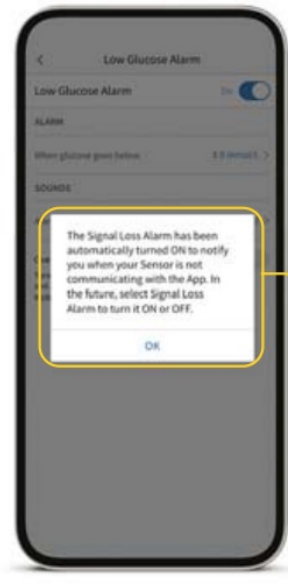
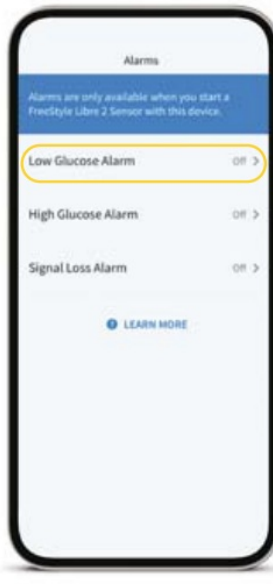
- Every 10% increase in Time in Range results in ~0.8% decrease in HbA1c in type 1 and type 2 patients²
- Every 5% (~1 hour per day) increase in Time in Range is associated with clinically significant benefits¹
- Spending more Time in Range can reduce long-term eye and kidney health complications³
- Guidelines recommend spending at least 70% of your Time in Range (3.9-10 mmol/L)^{1,4}

It's easy to set alarms on your phone

The FreeStyle Libre 2 system has optional glucose alarms that provide a safety check every single minute. These are off by default and can be customised. To receive alarms your phone should be within 6 metres of you, and unobstructed at all times. If your phone is out of range of your sensor, you may not receive glucose alarms.



Tap Alarms
in the menu



Touch Low Glucose Alarm and turn on alarm

Signal loss alarm² is automatically turned
on when glucose alarm is turned ON

Images are for illustrative purposes only. Not actual patient data.

1. The FreeStyle LibreLink app is only compatible with certain mobile devices and operating systems. Please check the website for more information about device compatibility before using the app. Use of FreeStyle LibreLink may require registration with LibreView. 2. Signal Loss Alarm: Notifies you when your sensor has not communicated with the App for 20 minutes and you are not receiving Low or High Glucose Alarms. Signal loss could be caused by the sensor being too far away from your smartphone (over 6 metres (20 ft)) or another issue, such as an error or problem with your sensor. You must have override do not disturb settings enabled to receive alarms and alerts on your smartphone. 3. The Low Glucose Alarm setting can range between 3.3 mmol/L and 5.6 mmol/L. The Low Glucose Alarm can't be set below 3.3 mmol/L. 4. The High Glucose Alarm setting can range between 6.7 mmol/L and 22.2 mmol/L.

DIGITAL HEALTH TOOLS

Easily monitor your glucose on your smartphone anytime,¹ anywhere,² and share results

The FreeStyle LibreLink app and the LibreLinkUp app are available for Android and iPhone.

- Easy monitoring
One app allows you to monitor and share your real-time glucose readings⁴
- Easy insights
Share real-time glucose readings with your healthcare team for more consultations
- Easy connection
Share real-time glucose levels with your loved ones for peace of mind



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1. 60-minute warm-up required when applying the sensor.
2. Sensor is water resistant in up to 1 meter (3 feet) of water. Do not immerse longer than 30 minutes. Not to be used above 10,000 feet.
3. Haak, T. Diabetes Ther (2017): <https://doi.org/10.1007/13300-016-0223-6>.
4. The FreeStyle LibreLink app is only compatible with certain mobile devices and operating systems. Please check the website for more information about device compatibility before using the app. Use of FreeStyle LibreLink may require registration with LibreView.
5. Unger, J. Postgrad Med. (2020): <https://doi.org/10.1080/00325481.2020.1744393>.
6. The LibreView website is only compatible with certain operating systems and browsers. Please check www.LibreView.com for additional information.
7. The LibreLinkUp app is only compatible with certain mobile devices and operating systems. Please check www.LibreLinkUp.com for more information about device compatibility before using the app. Use of LibreLinkUp and FreeStyle LibreLink requires registration with LibreView. The LibreLinkUp mobile app is not intended to be a primary glucose monitor: home users must consult their primary device(s) and consult a healthcare professional before making any medical interpretation and therapy adjustments from the information provided by the app.
8. Campbell, F. Pediatr. Diabetes (2018): <https://doi.org/10.1111/pedi.12735>.

The FreeStyle LibreLink app

View data anytime,¹ anywhere², with the FreeStyle LibreLink app.

- Phone displays the current glucose reading, trend arrow, high and low glucose alarms, and up to 8-hours of glucose history.
- Easy to add notes to track food, insulin use, exercise, and other events.
- Connect to Healthcare Professionals and caregivers with LibreView³ and LibreLinkUp⁴.

- Get glucose alarm notifications right on your compatible smartwatch^{5–7}.

Data captured with the FreeStyle LibreLink app is uploaded wirelessly and automatically⁸ to LibreView.³



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2. Sensor is water resistant in up to 1 metre (3 feet) of water. Do not immerse longer than 30 minutes. Not to be used above 10,000 feet.
3. The LibreView website is only compatible with certain operating systems and browsers. Please check www.LibreView.com for additional information.
4. The LibreLinkUp app is only compatible with certain mobile devices and operating systems. Please check www.LibreLinkUp.com for more information about device compatibility before using the app. Use of LibreLinkUp and FreeStyle LibreLink requires registration with LibreView. The LibreLinkUp mobile app is not intended to be a primary glucose monitor: home users must consult their primary device(s) and consult a healthcare professional before making any medical interpretation and therapy adjustments from the information provided by the app.
5. To receive alarms from the FreeStyle LibreLink app on your smartwatch, alarms must be turned ON, your phone and smartwatch must be connected, and your devices configured to deliver notifications.
5. The FreeStyle LibreLink app is only compatible with certain mobile devices and operating systems. Please check the website for more information about device compatibility before using the app. Use of FreeStyle LibreLink may require registration with LibreView.
6. Smartwatch notification mirroring on the FreeStyle LibreLink app has only been tested with certain smartwatches and operating systems. Please check the website for more information about smartwatch compatibility.
7. Sharing of glucose data requires registration with LibreView. Automatic upload requires a wireless internet connection or mobile data connection.

LibreLink

With the LibreLinkUp app, you can share your glucose readings and alarms with your family and friends. Ideal for parents² and caregivers, the LibreLinkUp mobile app allows them to keep up-to-date with your glucose levels, wherever they are.³



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1. The LibreLinkUp app is only compatible with certain mobile device and operating systems. Please check www.LibreLinkUp.com for more information about device compatibility before using the app. Use of LibreLinkUp requires registration with LibreView. The LibreLinkUp mobile app is not intended to be a primary glucose monitor: home users must consult their primary device(s) and consult a healthcare professional before making any medical interpretation and therapy adjustments from the information provided by the app. 2. For children aged 4-12, a caregiver at least 18 years old is responsible for supervising, managing, and assisting them in using the FreStyle Libre system and interpreting its readings. 3. Transfer of glucose data between applications depends on internet connectivity.

LibreView

Signing Up

If you already have a FreeStyle LibreLink account, you can sign in to LibreView with the same credentials. If not, then you can sign up to LibreView directly on the LibreView website.

Visit LibreView.com



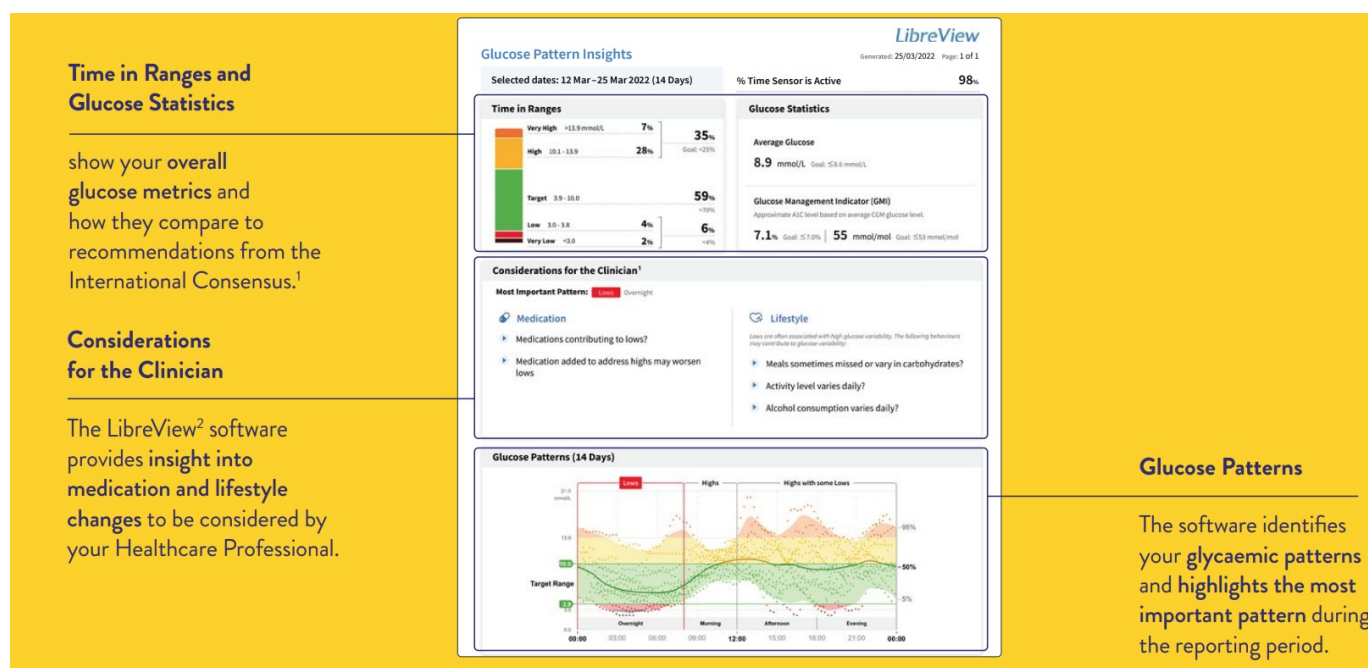
Images are for illustrative purposes only. Not actual patient or data.

The FreeStyle LibreLink app is only compatible with certain mobile devices and operating systems. Please check the website for more information about device compatibility before using the app. Use of FreeStyle LibreLink may require registration with LibreView.

1. The LibreView data management software is intended for use by both patients and healthcare professionals to assist people with diabetes and their healthcare professionals in the review, analysis and evaluation of historical glucose device data to support for professional healthcare advice.
2. Sharing of glucose data requires registration with LibreView. Automatic upload to LibreView requires a wireless internet connection or mobile data connection.

Glucose Pattern Insights report

Discover glucose patterns and trends so you can make informed decisions about your health.



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- Battelino T, Danne T, Bergenstal RM, et al. Clinical targets for continuous glucose monitoring data interpretation: recommendations from the international consensus on time in range. Diabetes Care. 2019;42(8):1593-1603.
- The LibreView website is only compatible with certain operating systems and browsers. Please check www.LibreView.com for additional information.

We're here to help

If you would like more information or have additional questions about the FreeStyle Libre 2 system, please contact our Abbott Customer Careline or visit our website for useful resources.

Visit www.FreeStyleLibre.za.com for more information

Abbott Customer Careline

0800 222 688

Monday to Friday:

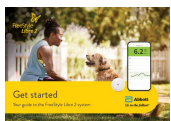
09h00 – 17h00

FAQ

Why are FreeStyle Libre 2 sensor readings sometimes different from a fingerstick blood glucose test?

The sensor filament is positioned differently from capillary blood glucose tests, measuring glucose levels in interstitial fluid under the skin surface. This variance can lead to slight differences in readings. For more information, refer to the video explanation provided.

Documents / Resources



[FreeStyle Libre Reader 2 System](#) [pdf] Owner's Manual
Libre Reader 2 System, Libre, Reader 2 System, 2 System, System

References

- [LibreView](#)
- [LibreLinkUp](#)
- [LibreView](#)
- [User Manual](#)

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