

CGM & FGM comparison chart

| | Continuous Glucose Monitors <i>(Users can see glucose readings at all times)</i> | Flash-Glucose Monitor <i>(Users must scan sensor to see glucose readings)</i> |
|--|---|--|
| System Name | Dexcom®G5  | Freestyle®Libre  |
| Accuracy (MARD*) | 9% | 11.4% |
| Insertion site | Abdomen, upper buttocks | Arm |
| Calibration (with finger prick) | Twice in the first 2 hours, then once every 12 hours | No calibration needed |
| Length of Sensor Wear | 7 days | 14 days |
| Length of Transmitter Life | 3 months | N/A – no transmitter |
| Receiver (where the data displays) | Smart phone, apple watch, or stand alone receiver | Stand alone receiver (also a BG and ketone meter) iPhone 7 or greater |
| Able to use readings for treatment decisions? | Yes | Yes, unless: - BG is rapidly changing (straight trend arrows present- up or down) - BG <4.0 mmol/L - if symptoms do not match reading |

*MARD: mean absolute relative distance - average of the absolute error between all CGM values and reference BG
 Based on the product information provided by Abbott® and Dexcom®

CGM & FGM comparison chart

| System Name | Dexcom® G5 | Freestyle® Libre |
|--|--|---|
| Low/High BG Alerts and Predictive alerts | Yes | No |
| Continuous Data Recording | Yes | Yes, however* data will be lost if scan hasn't been performed in 8 hours |
| Downloading results | Clarity- cloud based all reports and data can be seen by user and HCP | Libreview- if using iPhone 7 or greater cloud based to see reports and data If using meter- cable to download using Libreview to see reports and data |
| Cost | <p>Subscription: \$89 monthly + \$340 x 6 boxes of sensors over 12 months</p> <p>Total Price: \$3108/year</p> <p>Non-subscription: \$389 per transmitter (4 per year = \$1556) \$340 per box of sensors (6 boxes per year = \$2040)</p> <p>Total Price: \$3596/year If need 12 boxes= \$5636/year *Stand alone receiver available for purchase for \$499 https://www.dexcom.com/en-CA</p> | <p>Meter: \$49 for the meter/scanner</p> <p>Sensors: 1 sensor (14 day wear) \$89 per sensor Total Price: \$2314/year plus + \$49 meter</p> <p>Note: Libre may also be purchased online without a prescription. \$49 meter / \$89 sensor. Shipping charges and manufacturer subscription agreements may apply www.myfreestyle.ca Now available in some pharmacies prices may vary.</p> |

Author; Sarah Blunden P.Dt CDE CPT Feb2019

Revised; Steve Chalifoux RN CDE Feb 2019