Pattern Management & Sensor Usage

Diabetes Care Coaching



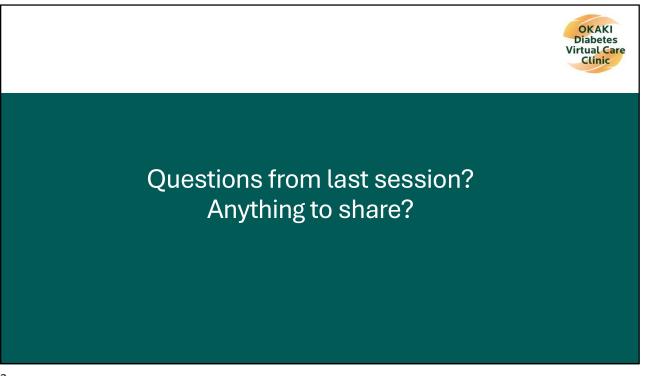
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Before We Begin ...

- Our goal is to create a safe space where all participants are comfortable to learn, share, ask questions
 - Everyone brings knowledge and expertise
 - I am always learning too
 - We won't record discussions, but will share monthly education videos
- The coaching sessions will focus on practical pieces of working in diabetes. For details, it is always best to reference the Diabetes Canada Clinical Practice Guidelines (guidelines.diabetes.ca)

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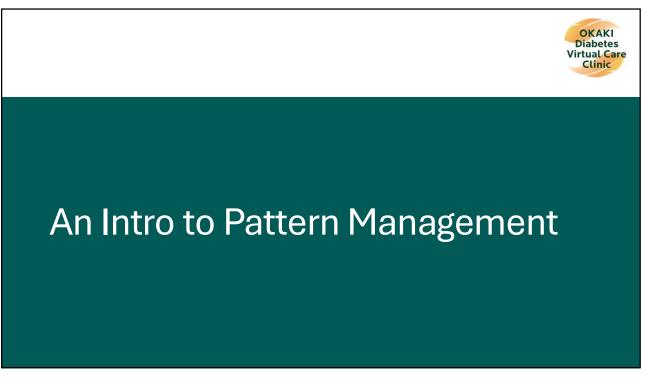
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What We Plan to Cover Today

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- Intro to pattern management
- Sensors:
 - Freestyle Libre
 - Dexcom



Pattern Management

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- Trends that happen at the same time of day for 2 or more consecutive days = pattern
- What can the pattern tell you about:
 - Hyperglycemia
 - Hypoglycemia
 - Variability

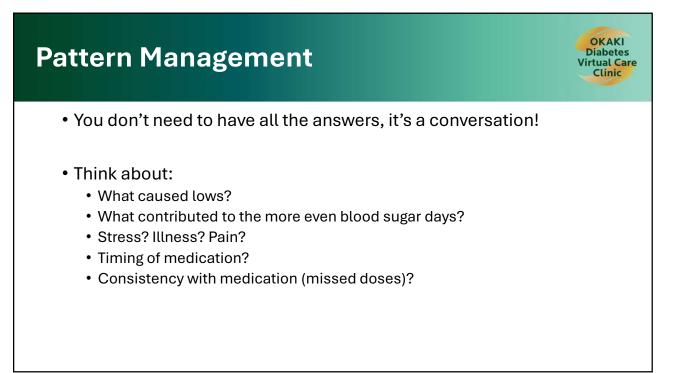
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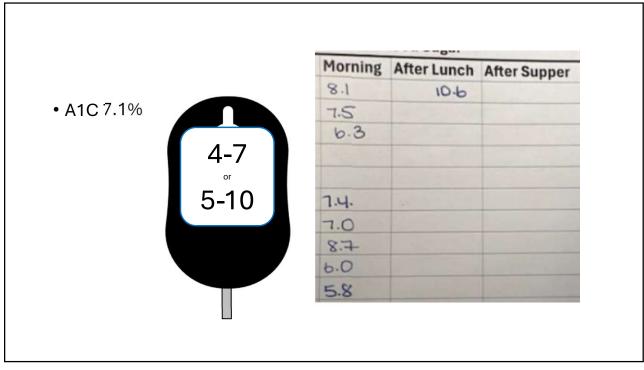
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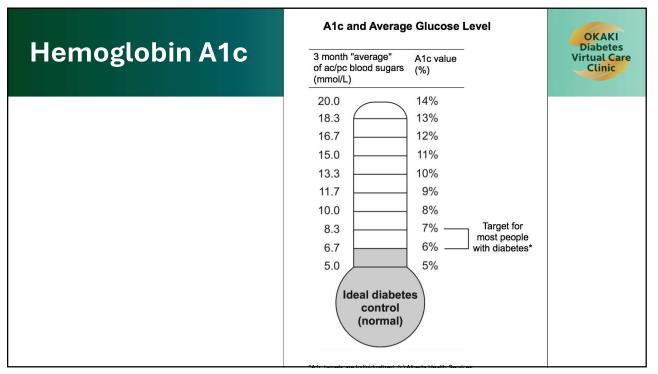
Pattern Management

1. Celebrate wins

- 2. Hypoglycemia?
- 3. Fasting and post-prandial
 - Glucose should hold stable within 1.7 mmol/L overnight
 - 2 hour post prandial rise < 3 mmol/L
 - 4 hour post prandial +/- 1 mmol/L pre-meal value

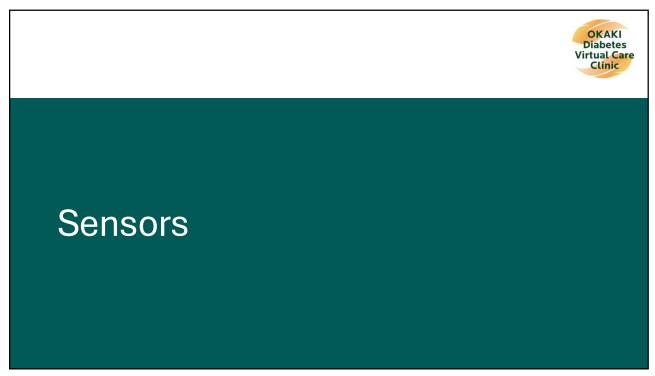


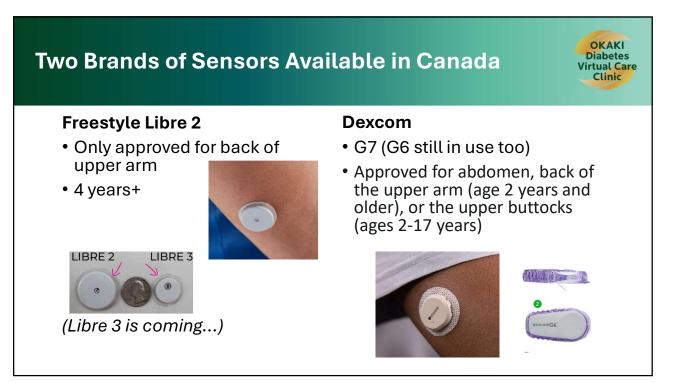


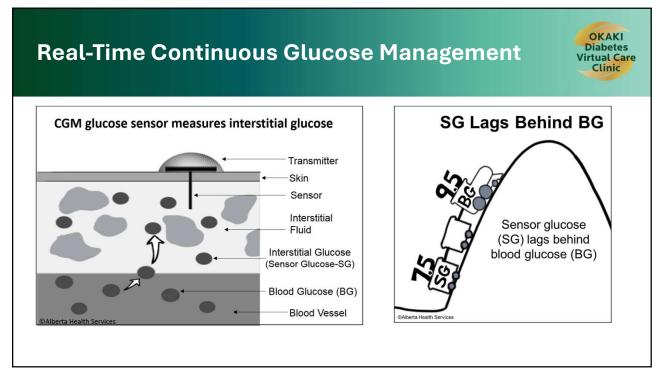


	Before- Break	2 Hours After-Break	Before- Lunch	2 Hours After-Lunch	Before- Supper	2 Hours After-	Bedtime
• A1C 9.9%	7.5		8		11		
	6.2		9		7.3		
	12.2		11.1		8.4		4-7 5-10
	6.2		7.1		9.3		
	12.4		8.9		7.9	5	
	6.3		7.1		7.5		

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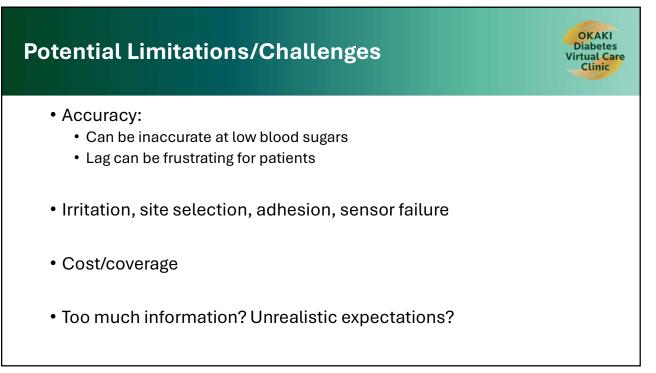


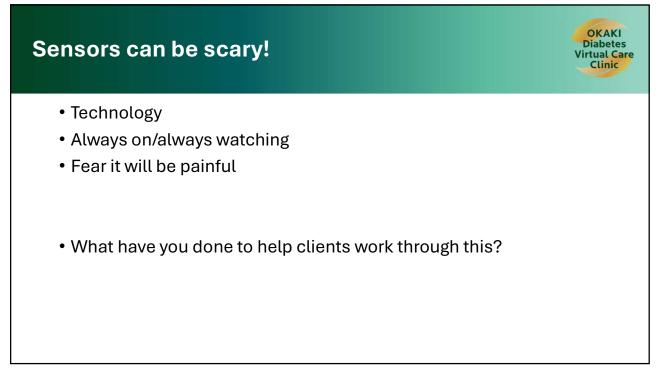
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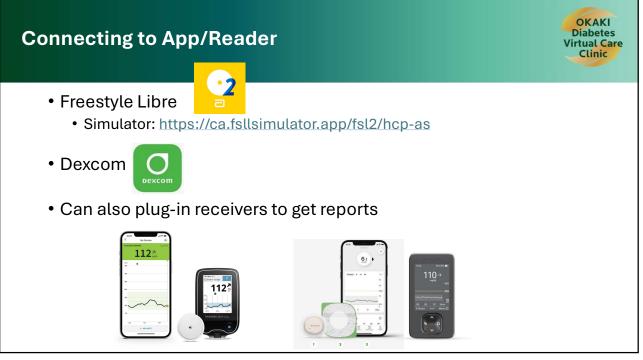
Potential Benefits of Sensors Less finger pokes and more information Improved glycemic control Improved A1C for type 1 and type 2 diabetes Reduced hypo and hyperglycemia Can help with self-management Insight into food, exercise, stress, sleep, menstruation, timing of meds ...

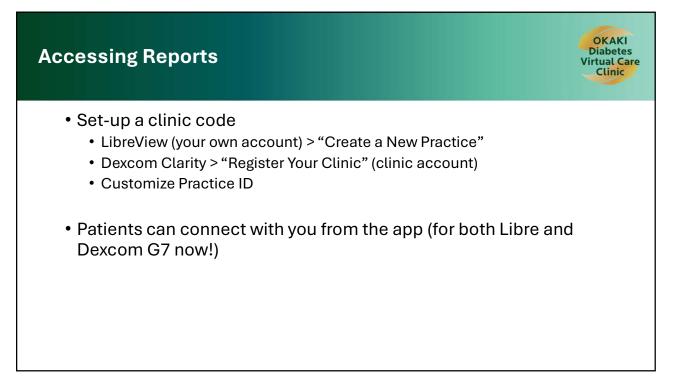
• It's all personalized feedback!







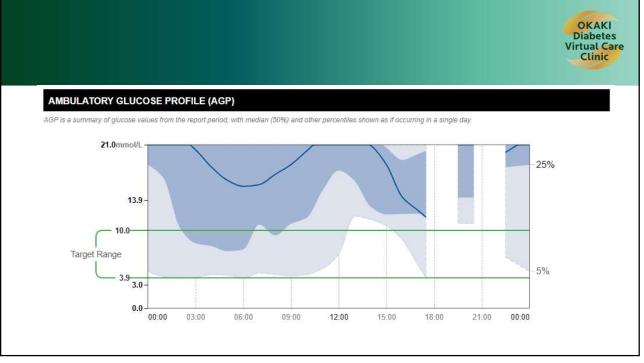


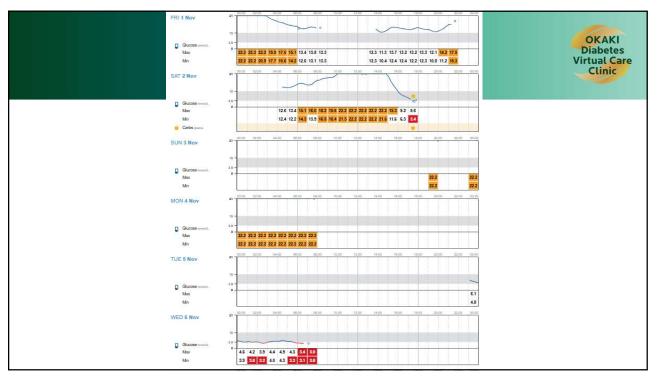


http://agpreport.org/agp/sites/default/files/CGM_Clinical_Guide_AGP.pdf

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OKAKI Diabetes **Example of a Report** Virtual Care Clinic GLUCOSE STATISTICS AND TARGETS TIME IN RANGES 30 October 2024 - 12 November 2024 14 Days Time Sensor Active: 37% Very High >13.9 mmol/L 62% (14h 53min) Ranges And Targets For Type 1 or Type 2 Diabetes Targets % of Readings (Time/Day) Greater than 70% (16h 48min) Glucose Ranges Target Range 3.9-10.0 mmol/L Below 3.9 mmol/L Less than 4% (58min) Below 3.0 mmol/L Less than 1% (14min) 13.9 Less than 25% (6h) Above 10.0 mmol/L 15% (3h 36min) High 10.1 - 13.9 mmol/L Above 13.9 mmol/L Less than 5% (1h 12min) 10.0 21% (5h 2min) Target Range 3.9 - 10.0 mmol/L Each 5% increase in time in range (3.9-10.0 mmol/L) is clinically beneficial Average Glucose 15.7 mmol/L Low 3.0 - 3.8 mmol/L 2% (29min) 3.9 3.0 Glucose Management Indicator (GMI) -Very Low <3.0 mmol/L 0% (0min) **Glucose Variability** 40.7% Defined as percent coefficient of variation (%CV); target ≤36%





Another Example of a Report

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