

Continuous Glucose Monitors (CGM)

Technology in Diabetes Care



Mission

MDHHS provides services and administers programs to improve the health, safety, and prosperity of the residents of the state of Michigan.

Diabetes At A Glance

38 million people in the U.S. have diabetes

Characteristic	Diagnosed diabetes Percentage (95% CI)	Undiagnosed diabetes Percentage (95% CI)	Total diabetes Percentage (95% CI)
Total	11.3 (10.3–12.5)	3.4 (2.7–4.2)	14.7 (13.2–16.4)
Age in years			
18–44	3.0 (2.4–3.7)	1.9 (1.3–2.7)	4.8 (4.0–5.9)
45–64	14.5 (12.2–17.0)	4.5 (3.3–6.0)	18.9 (16.1–22.1)
≥65	24.4 (22.1–27.0)	4.7 (3.0–7.4)	29.2 (26.4–32.1)

*table includes data from adults 18>

Disparities exist in diabetes by:

- Race.
- Education level.
- Geographic area.

Source: [National Diabetes Statistics Report | Diabetes | CDC](#)

Diabetes and Michigan Medicaid

Diabetes Trends

Total Number of Beneficiaries, Number with Diabetes, and Diabetes Percentage, Adults (18-64 years), Michigan, Medicaid, 2020-2023

Year	Beneficiaries	Beneficiaries with Diabetes	Diabetes Percentage (95% CI)
2020*	970,667	92,099	9.5 (9.4-9.5)
2021	1,182,493	113,779	9.6 (9.6-9.7)
2022	1,259,745	115,580	9.2 (9.1-9.2)
2023	1,125,766	114,022	10.1 (10.1-10.2)

Source: Michigan Health Data Warehouse (2020-2023)

95% CI – 95% Confidence Interval

**Use caution when interpreting 2020 data. The COVID-19 pandemic disrupted health services, leading to delays and reductions in diabetes screening, diagnosis, and reporting to some diabetes databases. This may have contributed to a decline in diabetes cases in 2020.*

Why a CGM?

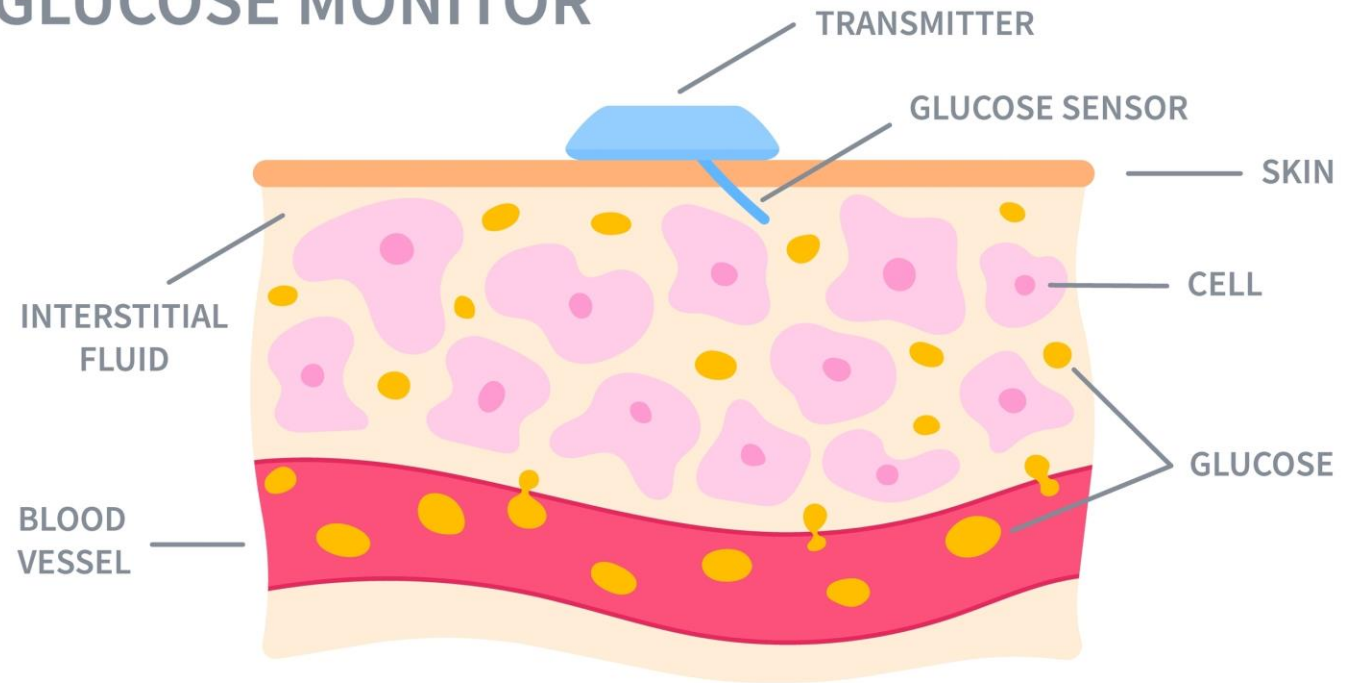
What is a CGM?



- Wearable device.
- Real-time data.
- Tracks glucose.
- Readings every one to five minutes.
 - 288+ readings/day.
- Reveals glucose response (meals, activity, stress, meds).
- Standard of Care (all types of diabetes).
- Learn more: [CGM | What is a Continuous Glucose Monitor | danatech.](#)

How do CGMs work?

CONTINUOUS GLUCOSE MONITOR



CGM in Primary Care

Things to consider

- Personal vs. Professional CGMs.
- Staff training/support.
 - Assess practice readiness.
 - Billing.
 - Downloading/interpreting reports.
- Practice workflows/processes.
 - Identify patients.
 - Prescribing.
 - Insurance process (PAs, etc.).
 - Chart templates.
- Patient Needs.
 - Training/support.
 - Diabetes Training/education ([Find services](#)).

Device Comparison – Personal CGMs

Visit: [Find & Compare CGMs](#) page

CGM Brand	Manufacturer	Key Features
Dexcom G7	Dexcom	Real-time CGM; 10-day wear; no fingerstick calibration; smartphone app; predictive alerts; <u>very small</u> sensor; integrates with AID (automated insulin delivery) systems
Freestyle Libre 3	Abbott	Smallest and most affordable sensor; 14-day wear; real-time data via smartphone app; no finger sticks; pharmacy channel
Medtronic Guardian 4	Medtronic	Real-time CGM; works with Medtronic's insulin pumps; requires occasional calibration; predictive alerts
Eversense E3	Ascensia/Senseonics	Longest wear time (up to 365 days); fully implantable sensor; worn with a removable transmitter; requires in-office insertion and removal

*prescribing channels: pharmacy or DME

Start a Professional CGM Program

12 Key Steps:

[CGM I Starting a
Professional Program I
Danatech](#)

- Device provided by clinic.
- Worn up to two weeks.
- Used as a teaching tool.
 - Identify patterns.
 - Adjust medications.
 - Support behavior change.
 - Trial for personal CGM.

Clinic Resources

Staff training/support

- [Diabetes Technology. Deciphered. | PANTHER Program.](#)
- [CGM 101.](#)
- [Diabetes Device Training for CGMs, Insulin Pumps and More | danatech.](#)
- [Technology Competency Finder| Danatech.](#)
- [Diabetes Technology Affordability Options.](#)

Practice workflows/processes

- [Continuous Glucose Monitors \(CGM\) | Danatech.](#)
- [CGMs in Professional Practice.](#)
- [Billing Codes & Reimbursement for Your Professional Diabetes Technology Services.](#)
- [Coding for Implantable CGM Systems.](#)
- [CGM Insurance Coverage Look-Up Tool](#) (coming soon).

Patient Resources

- [AACE Patient Journey of Diabetes Technology.](#)
- [Understanding CGM Metrics.](#)
- [All About Time In Range - Time in Range Coalition.](#)
- [Find and Compare CGMs.](#)
- [Diabetes Technology Affordability Options.](#)

Brand specific resources

- Dexcom: [CGM education and use.](#)
- [Freestyle Libre.](#)
- [Medtronic.](#)



MCT2D:
Michigan Collaborative
for Type 2 Diabetes

MCT2D: patient and provider [resources](#)

MCT2D *What's New: mobile app*

- Android: [Google Play Store](#)
- iPhone: [Apple App Store](#)

What you'll find on the app:

- Resource library
- Coverage checker
- MCT2D news & events

Find Diabetes Services in MI

Need to connect to a diabetes educator?



Visit: www.michigan.gov/diabetes

Questions?

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