

Investigating the outcomes of the FreeStyle Libre 2 system for children and teenagers^{1*}



EUROPE

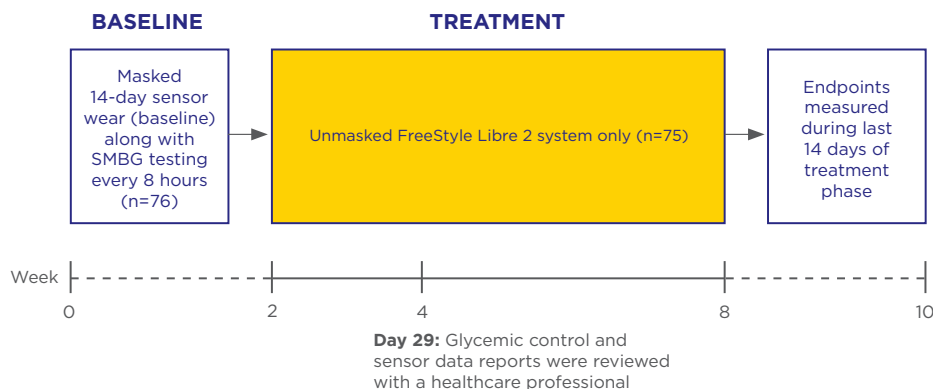
PARTICIPANT PROFILE:

- 76 children and teenagers (4-17 years) with type 1 diabetes treated in specialist diabetes centers in Europe
- Type 1 diabetes diagnosis ≥ 1 year
- Self-monitored blood glucose (SMBG) testing ≥ 2 times per day on average
- 42% on multiple daily injection (n=32), 58% on continuous subcutaneous insulin infusion (n=44)
- Suboptimal mean baseline HbA1c of $7.9 \pm 1.0\%$



RESEARCH DESIGN:

An 8-week, prospective, multicenter, open-label, non-inferiority, single-arm treatment study



OUTCOMES

Primary: Equivalence of continuous glucose monitoring (CGM) vs SMBG in Time in Range (70-180 mg/dL) in children and teenagers (4-17 years) with T1D

Secondary: Change in HbA1c, frequency of scanning vs fingersticks, number and duration of hyperglycemic (>180 mg/dL) and hypoglycemic (<70 mg/dL) events, glucose variability

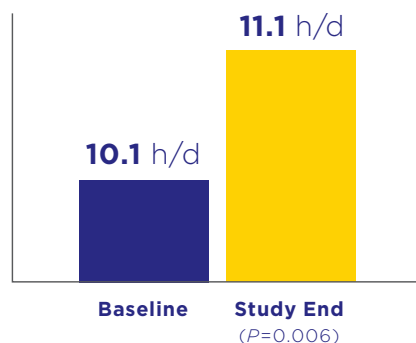


PRIMARY OUTCOME:

FreeStyle Libre 2 system significantly improved Time in Range:



1-HOUR IMPROVED TIME IN RANGE



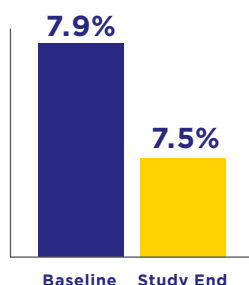
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IMPROVED HbA1c

↓ **0.4%**

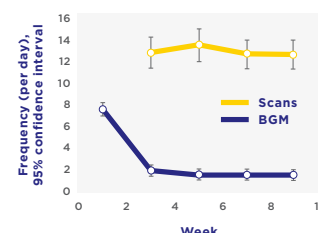
improvement for **children and teenagers** with diabetes (age 4 & older) with no significant increase in duration of hypoglycemia ($P < 0.0001$)



INCREASED SCANNING

~**2x**
MORE MONITORING

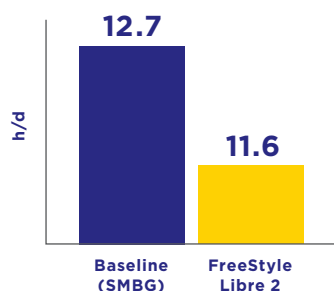
compared to SMBG testing (in-study scanning average 13x per day)



REDUCED TIME IN HYPERGLYCEMIA

↓ **1.2 h/d**

less time spent in **hyperglycemia** (>180 mg/dL) ($P = 0.004$)



DIABETES TREATMENT SATISFACTION QUESTIONNAIRE

The use of the FreeStyle Libre 2 system in children and teenagers with diabetes increased overall satisfaction with treatment as reported by caregivers and teenagers. ($P < 0.0001$)



For more information about the FreeStyle Libre 2 system, visit Payer.FreeStyleLibre.us

FreeStyle
Libre 2

**MORE PATIENTS
CAN DO IT**
WITHOUT FINGERSTICKS[†]

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FreeStyle Libre 2 system is indicated for use in people with diabetes age 4 and older.

* Data from this study was collected with the outside US version of the FreeStyle Libre 14 day system. FreeStyle Libre 2 has the same features as FreeStyle Libre 14 day system with optional real-time glucose alarms. Therefore, the study data is applicable to both products.

† Fingersticks are required if your glucose alarms and readings do not match symptoms or when you see Check Blood Glucose symbol during the first 12 hours.

Reference: 1. Campbell, F. *Pediatric Diabetes* (2018); <https://doi.org/10.1111/pedi.12735>

Important Safety Information

Failure to use FreeStyle Libre 2 system as instructed in labeling may result in missing a severe low or high glucose event and/or making a treatment decision, resulting in injury. If glucose alarms and readings do not match symptoms or expectations, use a fingerstick value from a blood glucose meter for treatment decisions. Seek medical attention when appropriate or contact Abbott at 855-632-8658 or <https://www.freestyle.abbott/us-en/safety-information.html> for safety info.

The circular shape of the sensor housing, FreeStyle, Libre, and related brand marks are marks of Abbott. Other trademarks are the property of their respective owners.

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