

Determinants of Glycemic Control in MiniMed 780G Users

The Impact of Optimal Settings, User Behavior, and Patient Characteristics

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Study aim

Evaluate the relative impact on glycemic outcomes



Optimal settings*



SmartGuard use



Bolus frequency



Temporary target use

*Optimal settings: target 5.5 mmol/L (100 mg/dL), active insulin time 2 hours

Methods

1

2,902 MiniMed 780G users of three diabetes clinics in the Netherlands

2

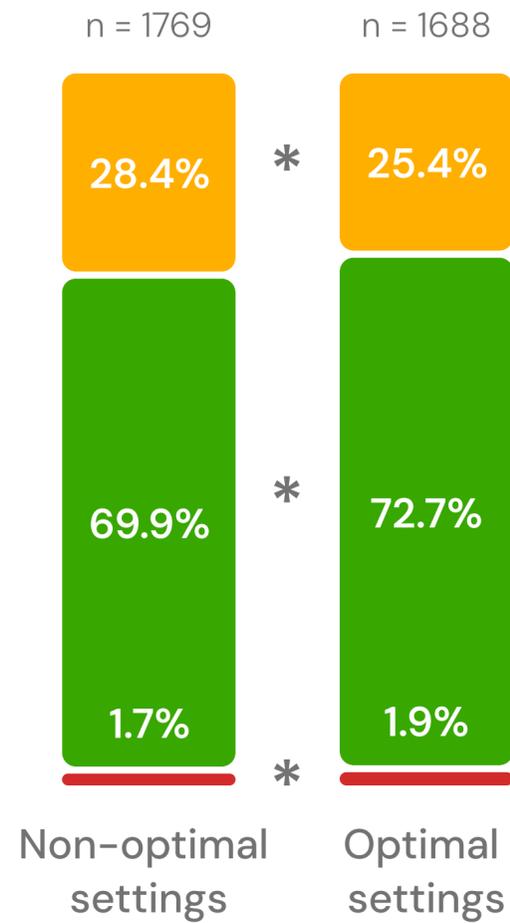
CGM metrics per month

3

Multivariable linear regression

Results

Optimal settings criterion

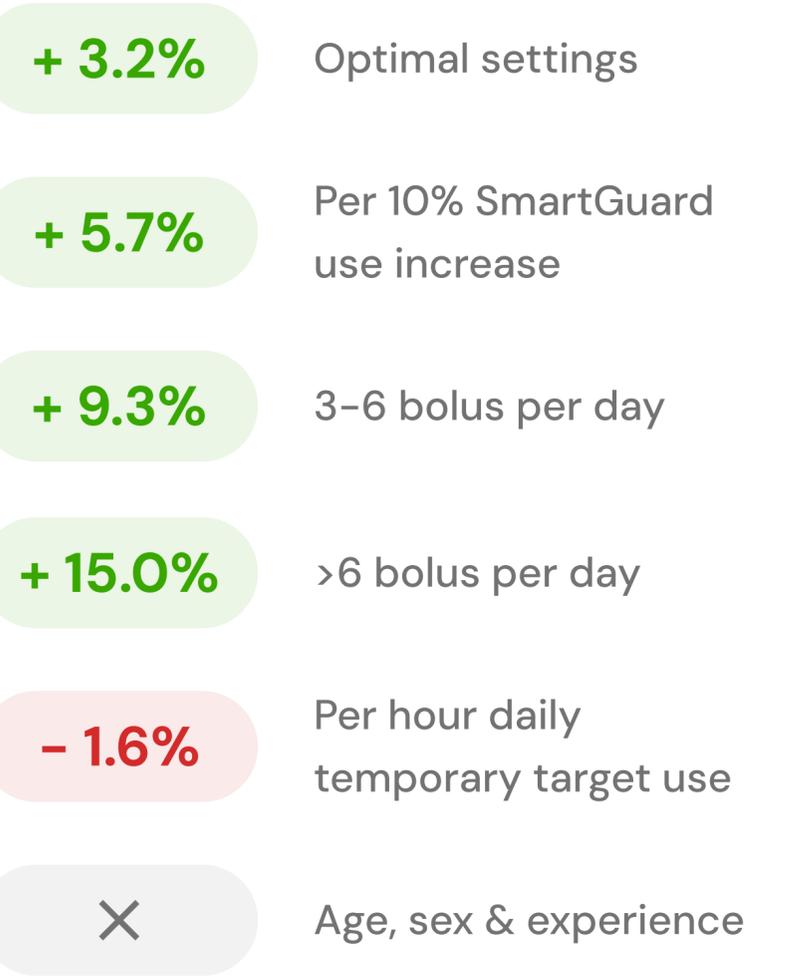


SmartGuard criterion

Both criteria

Regression analysis

n = 2902



Conclusion

The best glycemic control with the MiniMed 780G system is achieved through a comprehensive approach combining:



Optimal settings



Prolonged SmartGuard use



Frequent bolusing



Temporary target use

Study on increasing optimal settings use

by implementing a standardized workflow



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