TANDEM AID SYSTEMS

Easy to Start, Easy to Adjust for Optimised Outcome

Easy to Start

01 Calculate initial settings based on guidelines[1] recommendations using pump total daily insulin (TDI), if transitioning from multiple daily injections, calculate pump TDI by using pre-pump TDI x 0.75 or use Profile Settings Calculator (when available).

Basal Rate	Correction Factor	Carb Ratio
50% Pump TDI / 24 hours	95 / Pump TDI (mmol/L) 1700 / Pump TDI (mg/dL)	450 / Pump TDI

02 Enter weight and pump TDI to turn on automation

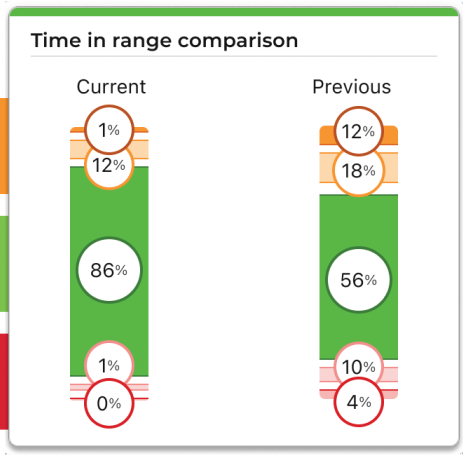
Easy to Review

✓ Assess glycaemic goal achievement

+ Review glycaemic goals and assess if personal glycaemic goals are being met by reviewing the time in range comparison
+ NOTE: CGM-based targets are general guidelines. Individual needs vary.[2]

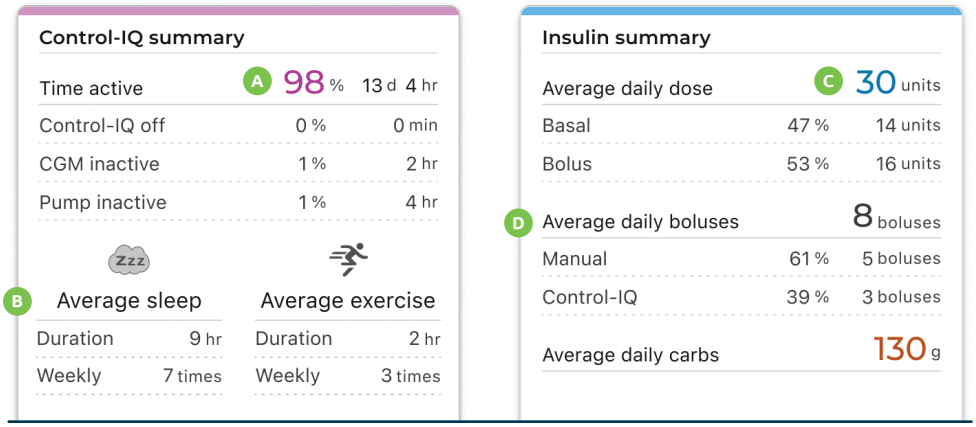
CGM-Based Targets

- **<25%** Time Above Range — >10.0 mmol/L or 180 mg/dL
- **>70%** Time in Range — 3.9-10.0 mmol/L or 70-180 mg/dL
- **<4%** Time Below Range — <3.9 mmol/L or 70 mg/dL

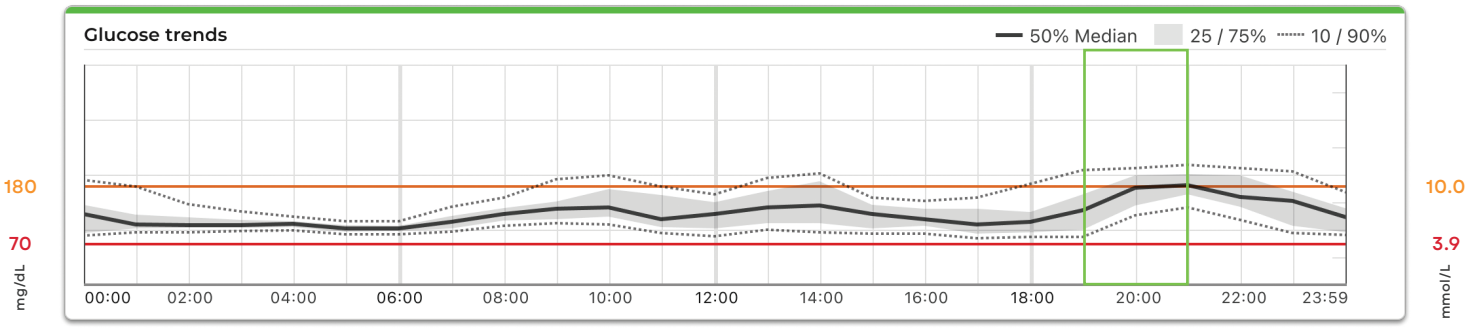


✓ Evaluate time in automation, insulin delivery, and bolus behavior

- **A Time in Automation:** Goal >90%
- **B Sleep Activity:** Goal 7 times a week
- **C Average Daily Dose:** Use if settings require recalculation
- **D Bolus Behavior:** Assess manual bolus vs. AutoBolus*



✓ Identify patterns of hypoglycaemia and hyperglycaemia



Easy to Adjust

✓ Optimise settings when treatment goals aren't met

- ✓ Adjustable settings: Basal rate, Correction Factor, carb ratio
- ✓ When in doubt, prioritise **Correction Factor** to optimise both basal modulation and correction boluses

Stronger Correction Factor to maximise TIR without significantly increasing TBR[3†]

< 88 / pump TDI (mmol/L) or <1580 / pump TDI (mg/dL)

Basal

Basal Modulation
Frees constraints and allows more dynamic basal delivery

Bolus

Strengthens Bolus
AutoBolus
Manual Correction Bolus

Smaller number = Stronger corrections to lower glucose levels

✓ Other Adjustments to Consider

Hypoglycaemia or hyperglycaemia not related to bolusing?	Not bolusing consistently?	Hypoglycaemia or hyperglycaemia after bolusing?
↓	↓	↓
Change **basal rates**	Strengthen **Correction Factor**	Adjust **Correction Factor** and/or **carb ratio**

* If glucose values are predicted to be above 10.0 mmol/L (180 mg/dL), Control-IQ+ technology calculates an AutoBolus using the Personal Profile settings and a target of 6.1 mmol/L (110 mg/dL) and delivers 60% of that value. † With optimised Correction Factor based on "rule of less than 1600".

References: 1. Grunberger G, et al. Endocr Pract. 2014, 20(5):463-89. 2. Battelino T, et al. *Diabetes Care.* 2019;42(8):1593-1603. doi: 10.2337/dci19-0028. 3. Messer LH, Breton M. *Diabetes Technol Ther.* 2023;25(12):877-882.

Safety info: tandemdiabetes.com/safetyinfo.