Supplementary figure 1. User experience regarding putting on do-it-yourself real-time continuous glucose monitoring (DIY RT-CGM). “Easy to put on” shows the users experience regarding applying DIY RT-CGM to FreeStyle Libre sensor. “Adhesive effective” is showing the users experience regarding how effective the adhesive between FreeStyle Libre and DIY RT-CGM.
Supplementary figure 2. Users' experience regarding do-it-yourself real-time continuous glucose monitoring (DIY RT-CGM) reliability. The figure shows users' impression regarding different aspects of the reliability of the DIY RT-CGM: whether calibration helped “calibration helpful”; whether they trusted the readings “trust for decisions”; whether they noticed an increase in hypo/hyperglycemia “No increase in hypo/hyper”.

Supplementary figure 3. Overall user experience of using do-it-yourself real-time continuous glucose monitoring (DIY RT-CGM) in comparison to FreeStyle Libre. The figure shows how users would compare different aspects of using DIY RT-CGM to FreeStyle Libre including DIY RT-CGM being more accurate “More accurate”, DIY RT-CGM is more user friendly “User friendly”, children wouldn’t mind having DIY RT-CGM on “Child doesn't mind”, DIY RT-CGM did not bother parents/caregivers “DIY RT-CGM didn't bother me”, DIY RT-CGM does not cause skin reactions “no skin reaction”, DIY RT-CGM does not have a negative impact on child’s activities “no effect on activities”, DIY RT-CGM had lower impact on child’s social life “Less socially intrusive”, DIY RT-CGM readings on master phone was more helpful “DIY RT-CGM more helpful” and DIY RT-CGM remote monitoring was more helpful “Remote monitoring helpful”, DIY RT-CGM alarms were helpful “Alarms helpful”, DIY RT-CGM made T1D management easier “Treatment easier”, DIY RT-CGM increased users interest in treatment of their children’s T1D “Better interest in treatment”, DIY RT-CGM improved relation with child “Better relation with child”, and DIY RT-CGM gave parents/caregivers more freedom “Gave me more freedom”.