



Improving Diabetes Self-Management Habits with Remote Patient Monitoring in the ROCKET T1D Program



BACKGROUND

- Performing the 6 diabetes self-management habits to optimize glucose monitoring, insulin delivery, and use of diabetes data has been associated with lower HbA1c and increased time in range (Ref: Lee et al. JAMA Netw Open. 2021).
- Remote health care became essential with the COVID-19 pandemic and T1D technologies can be leveraged to provide an effective remote patient monitoring platform.
- We developed the ROCKET T1D (Remote Outreach & Care for Kids' Empowerment and Technology use in T1D) remote patient monitoring program to optimize diabetes management, which focuses on tailored support provided by Certified Diabetes Care and Education Specialists (CDCESs)
- ROCKET T1D includes two phases:
 - <u>Launch Phase</u>: ~Weekly calls focusing on optimizing 6 habits and supporting diabetes management
 - Orbit phase: Monthly remote monitoring of cloudconnected diabetes device data with therapy adjustments if indicated

SMART AIM

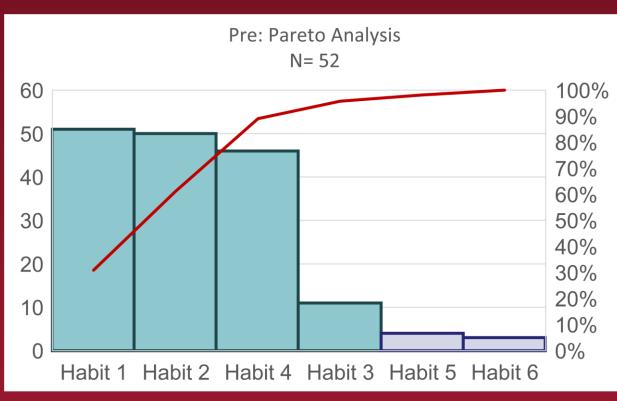
Increase use of the 6 diabetes self-management habits by at least 2 habits from enrollment to completion of the 'Launch phase' in ≥ 80% of youth with T1D enrolled in the ROCKET T1D program.

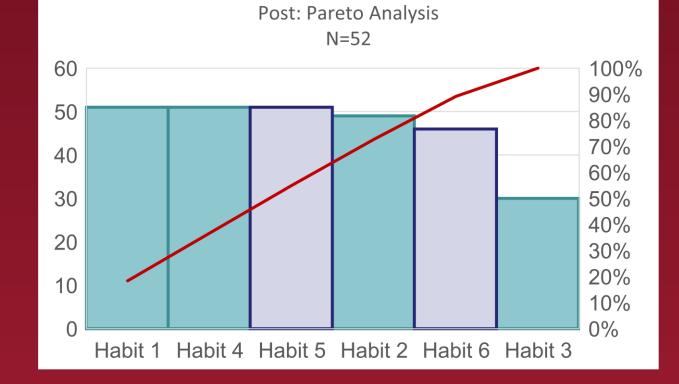
METHODS

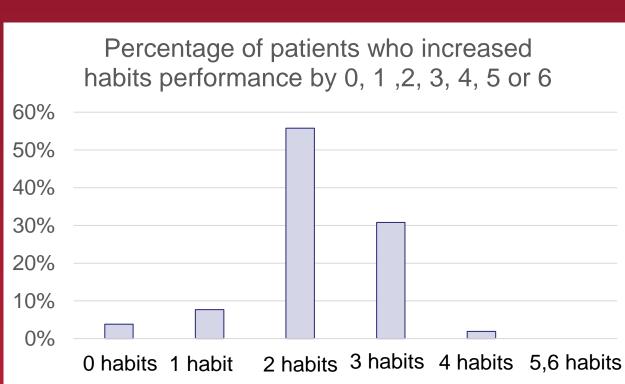
- Population: Youth with T1D referred by provider and all new onset patients with T1D
- Intervention:
 - ~Weekly calls with CDCES for supporting diabetes management including therapy adjustments
 - Use of the ROCKET T1D Flight Manual which is an educational binder tailored to the 6 habits and other T1D essential information
- Outcome: Performance of the 6 diabetes self-management habits are assessed at enrollment and again at completion of the Launch Phase using the EMR-based ROCKET T1D flowsheet

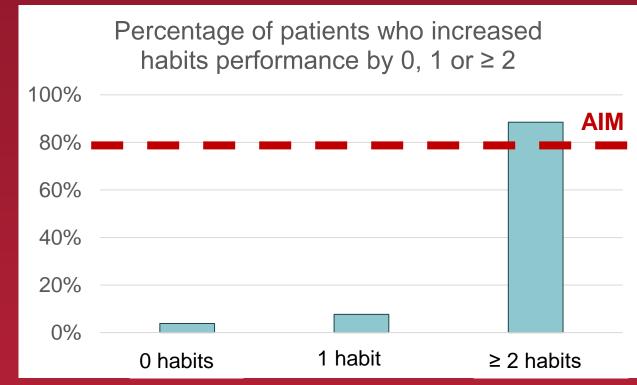
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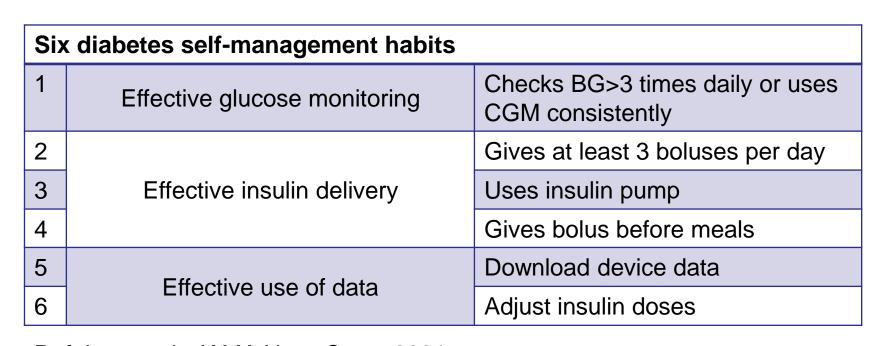






Conclusion:

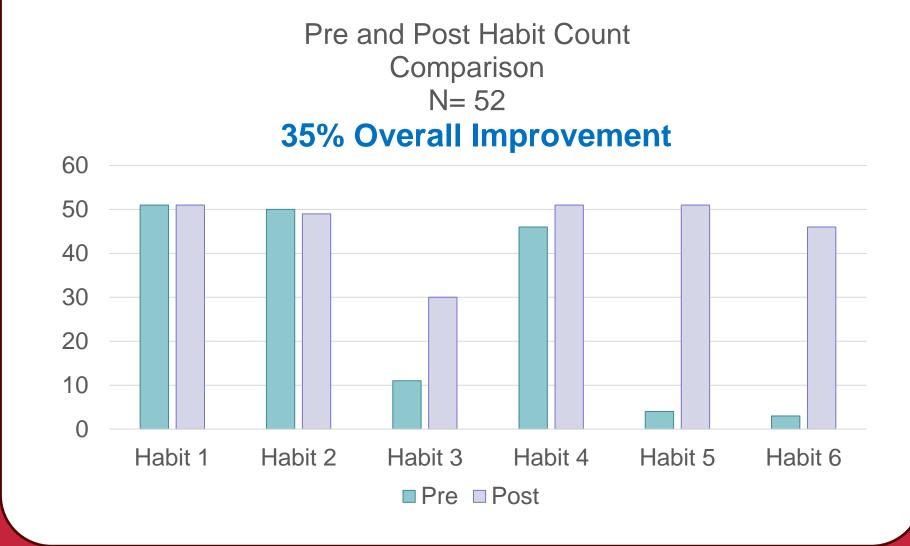
Providing remote, tailored support to families of youth with T1D is effective in improving diabetes self-management habits



Ref: Lee et al. JAMA Netw Open. 2021

RESULTS

- 88% of patients increased diabetes self management habits by at least 2 habits from enrollment to completion of ROCKET T1D Launch Phase.
- The most pronounced improvement was in effective use of diabetes data (Habits 5 and 6). There was a >50% improvement in insulin pump use (Habit 3).





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