Reducing Time to Automated Insulin Delivery Initiation in Youth with Newly Diagnosed Type 1 Diabetes: A Quality Improvement Initiative

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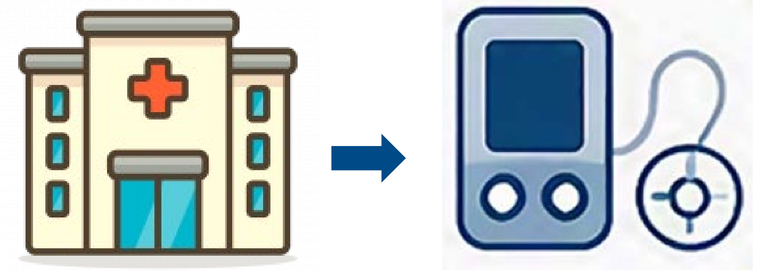
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***Acronyms**
Automated insulin delivery (AID)
Type 1 diabetes (T1D)

Why This Matters

- AID improves glycemic outcomes and reduces diabetes burden in patients with T1D.
- Delays in insulin pump education and ordering postpone access to AID at UC Davis Health



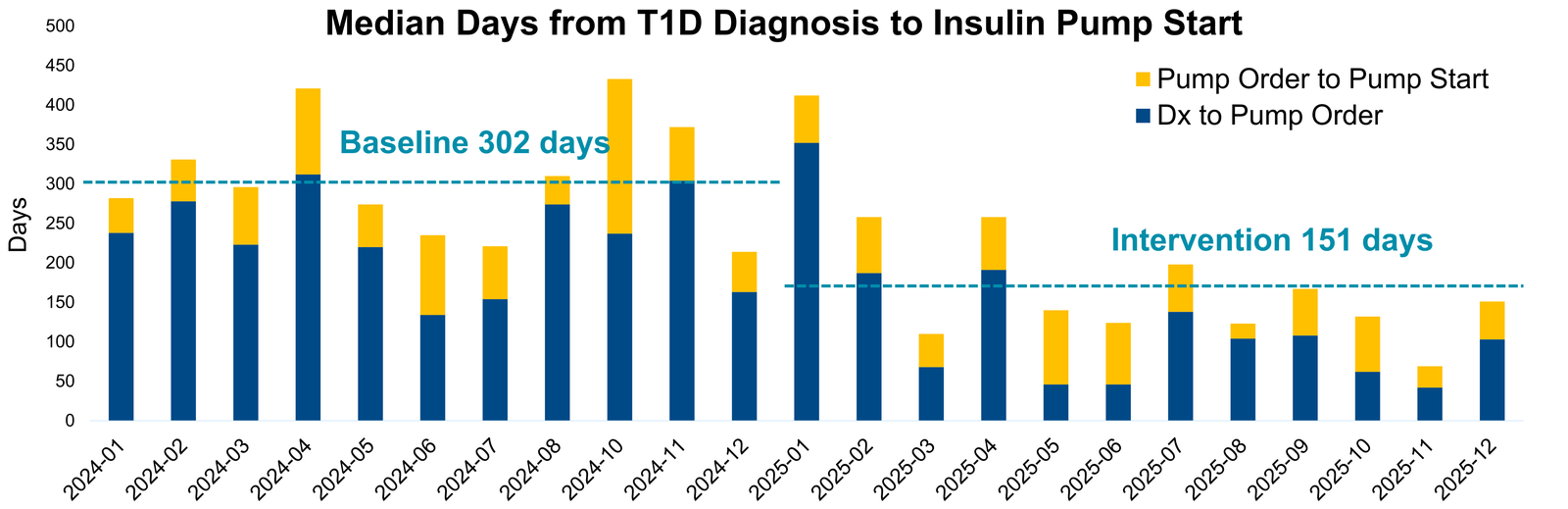
What We Changed

March 2025 Parachute Pump Ordering → **July 2025** AID Education at Diagnosis → **September 2025** Pump Class Scheduled at Diagnosis → **October 2025** Standardized Pump Order Set

Outcomes

Measure	2024 to 2025	Change
Diagnosis to Pump Order	233 to 80 days	66% ↓
Pump Order to Pump Start	64 to 57 days	11% ↓
Diagnosis to Pump Start	302 to 151 days	50% ↓

Standardizing pump education and ordering workflows cut median time to AID start by 50% (302 to 151 days).



Baseline cohort: n= 62 **Intervention cohort: n = 74**

References
Available upon request

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