

# ConnecT1D

## Reinforcing connections between patients, clinic, community partners

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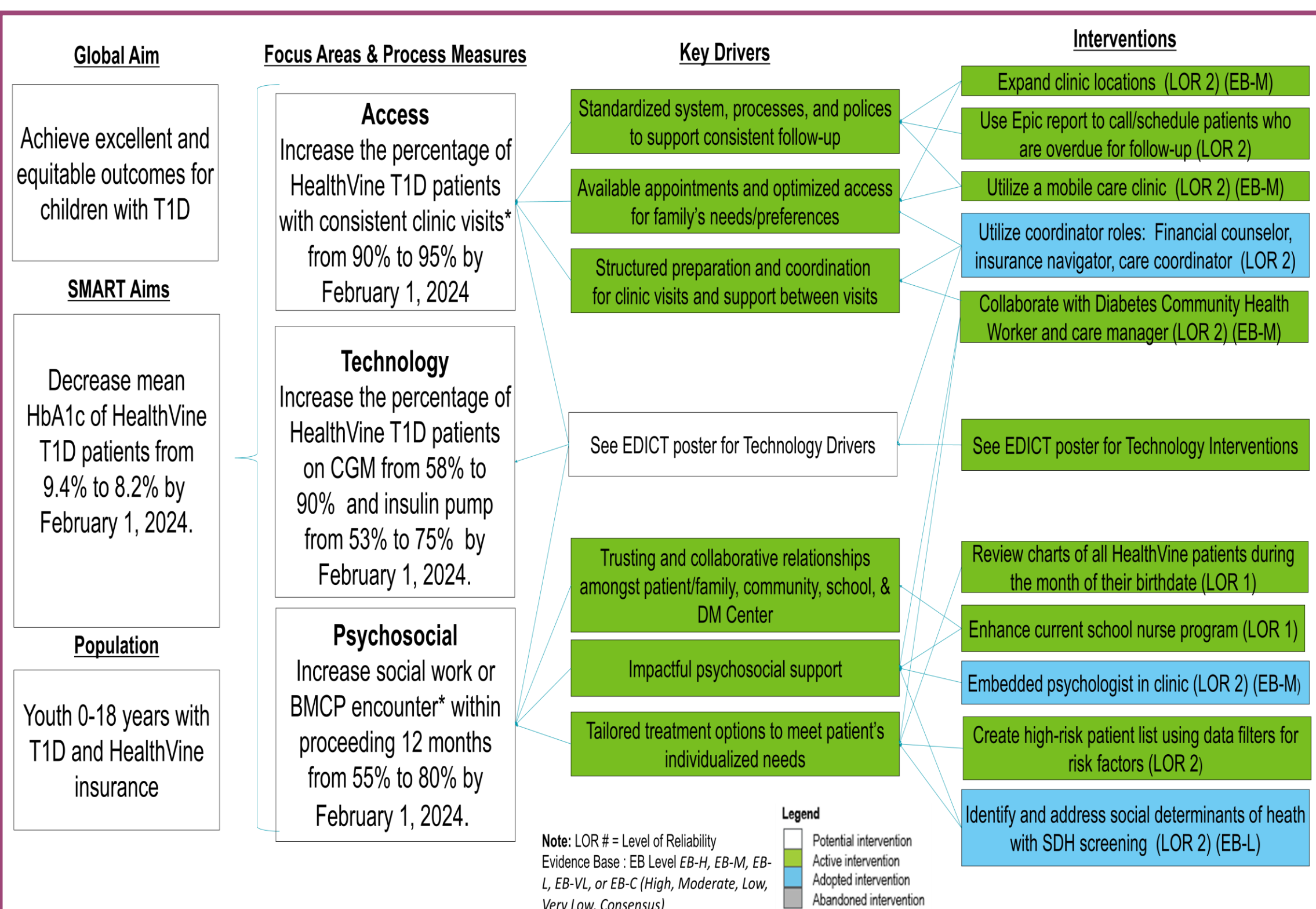


### Background

- Outcomes for youth with type 1 diabetes (T1D) remain suboptimal with the impact of diabetes-related morbidity disproportionately affecting youth of minority race or ethnicity, and those experiencing poverty.
- ConnecT1D aims to reorient diabetes care from episodic visits to a proactive model that supports families through:
  - Access to visits and communication between visits
  - Equitable access to diabetes technology
  - Psychosocial supports in the medical center and community
  - Integration of diabetes device data into the electronic medical system

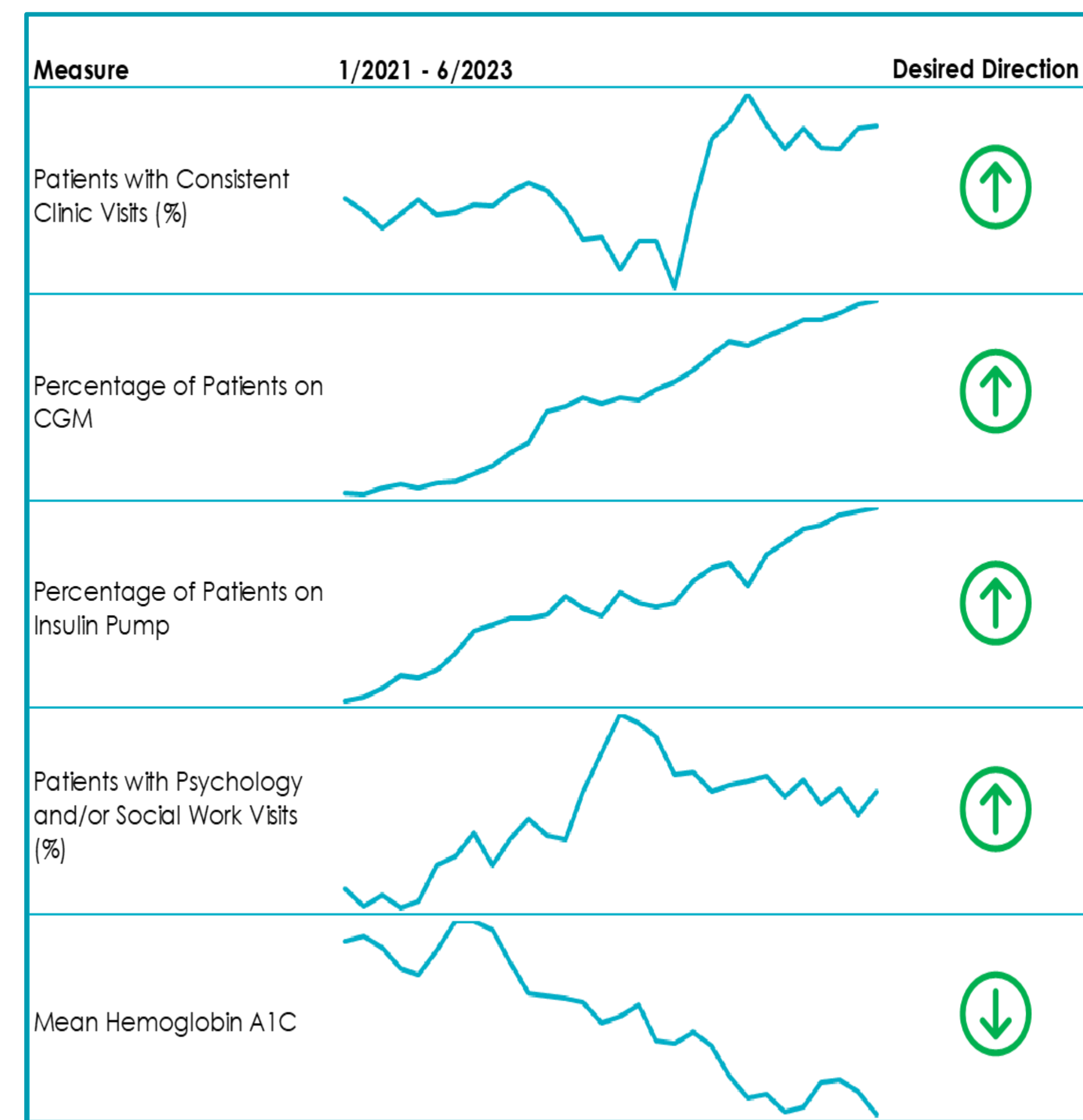
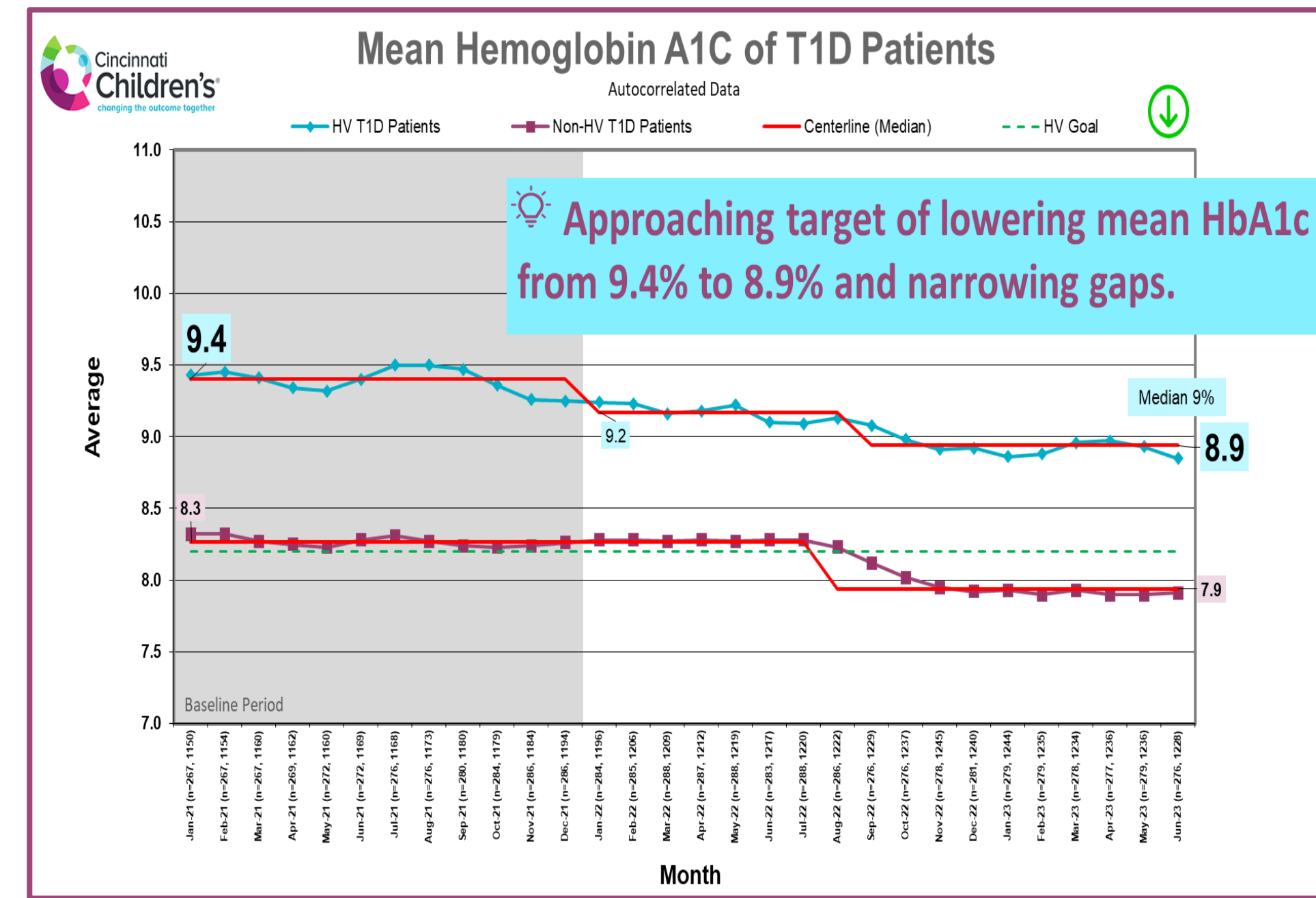
### Methods

- In May 2022, patients, caregivers, and diabetes center staff (n=27) engaged in a participatory design session.
- Four focus areas generated 130 ideas and 50 candidate interventions to improve HbA1c and related processes.



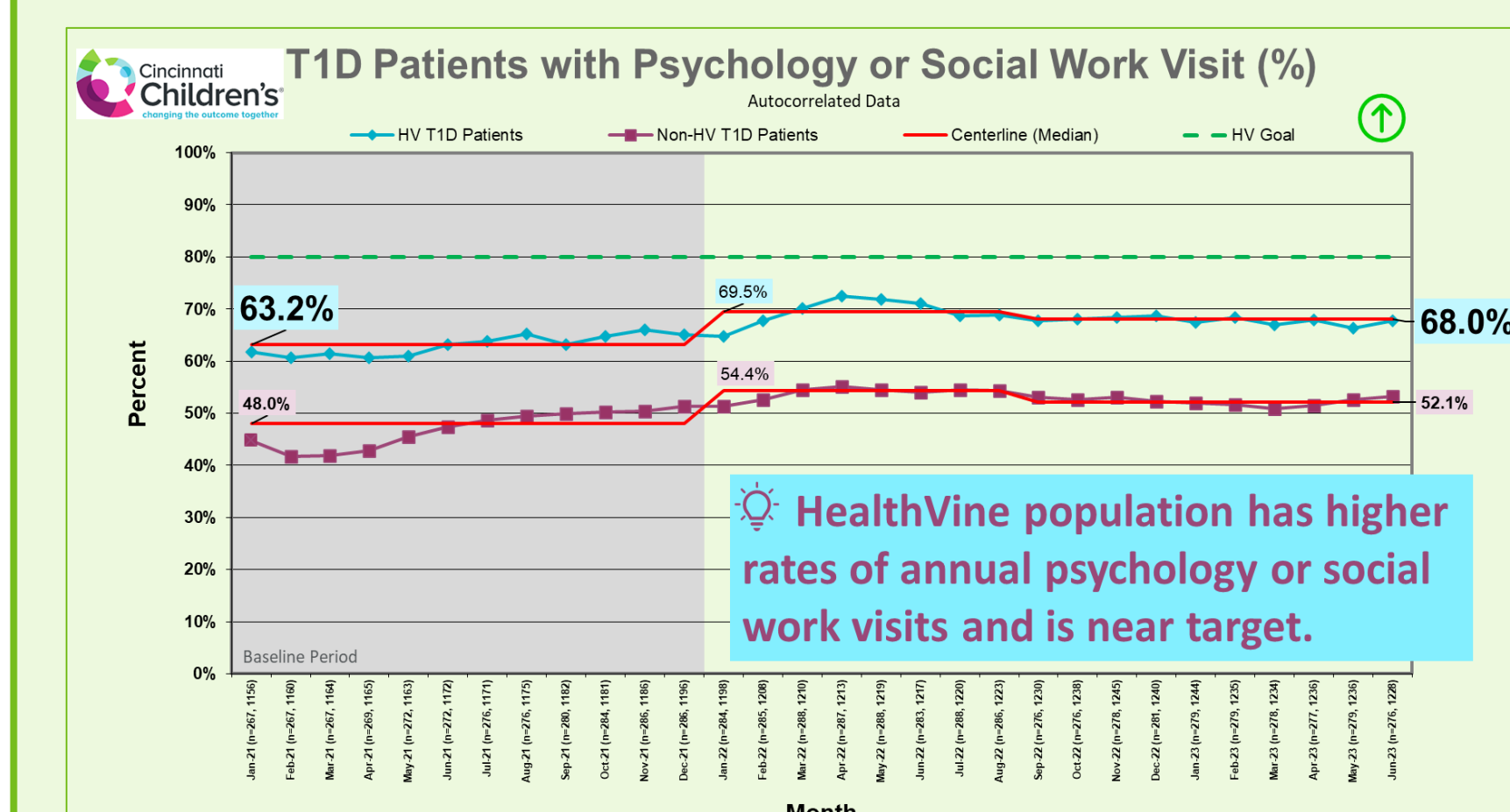
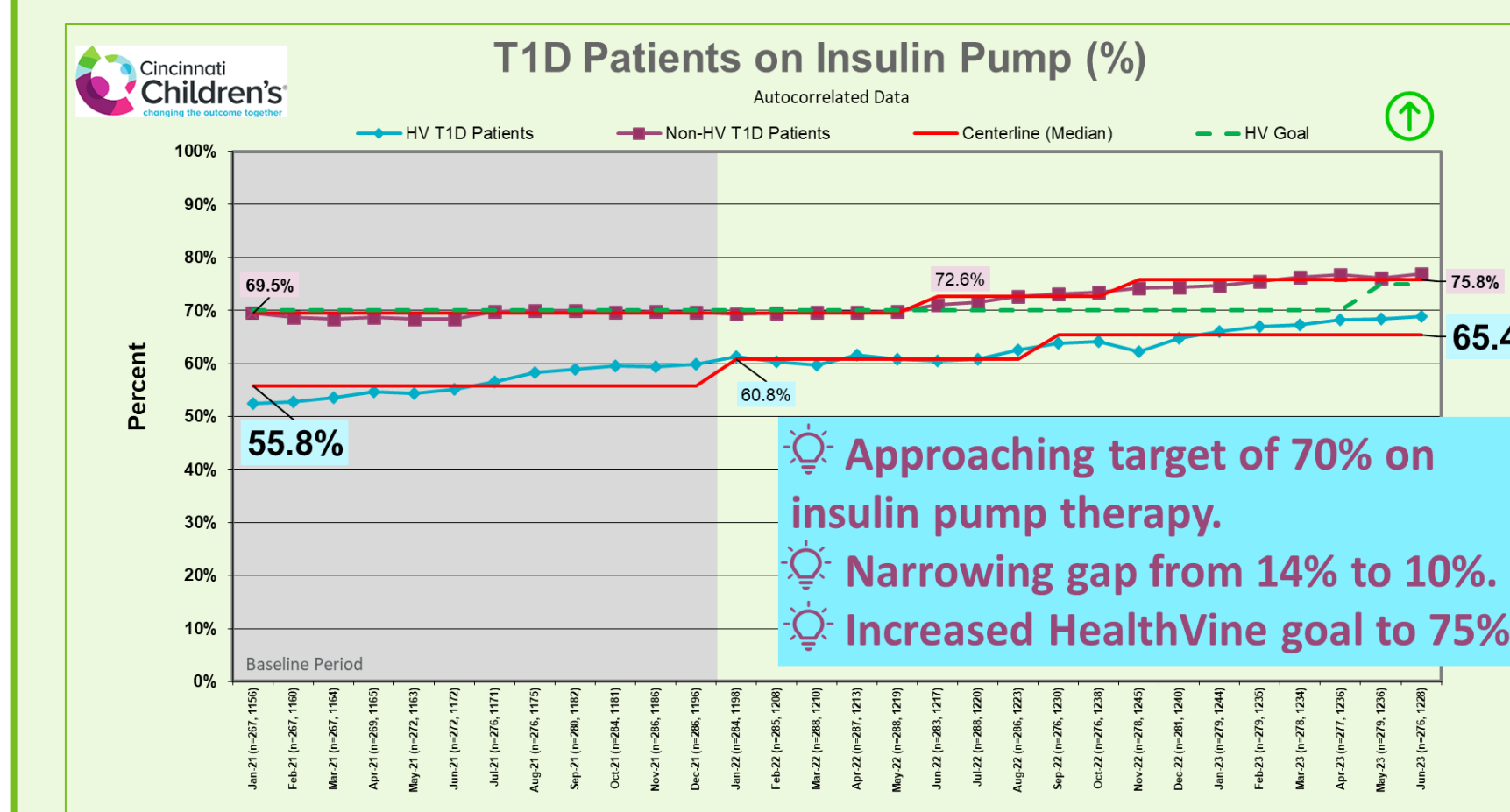
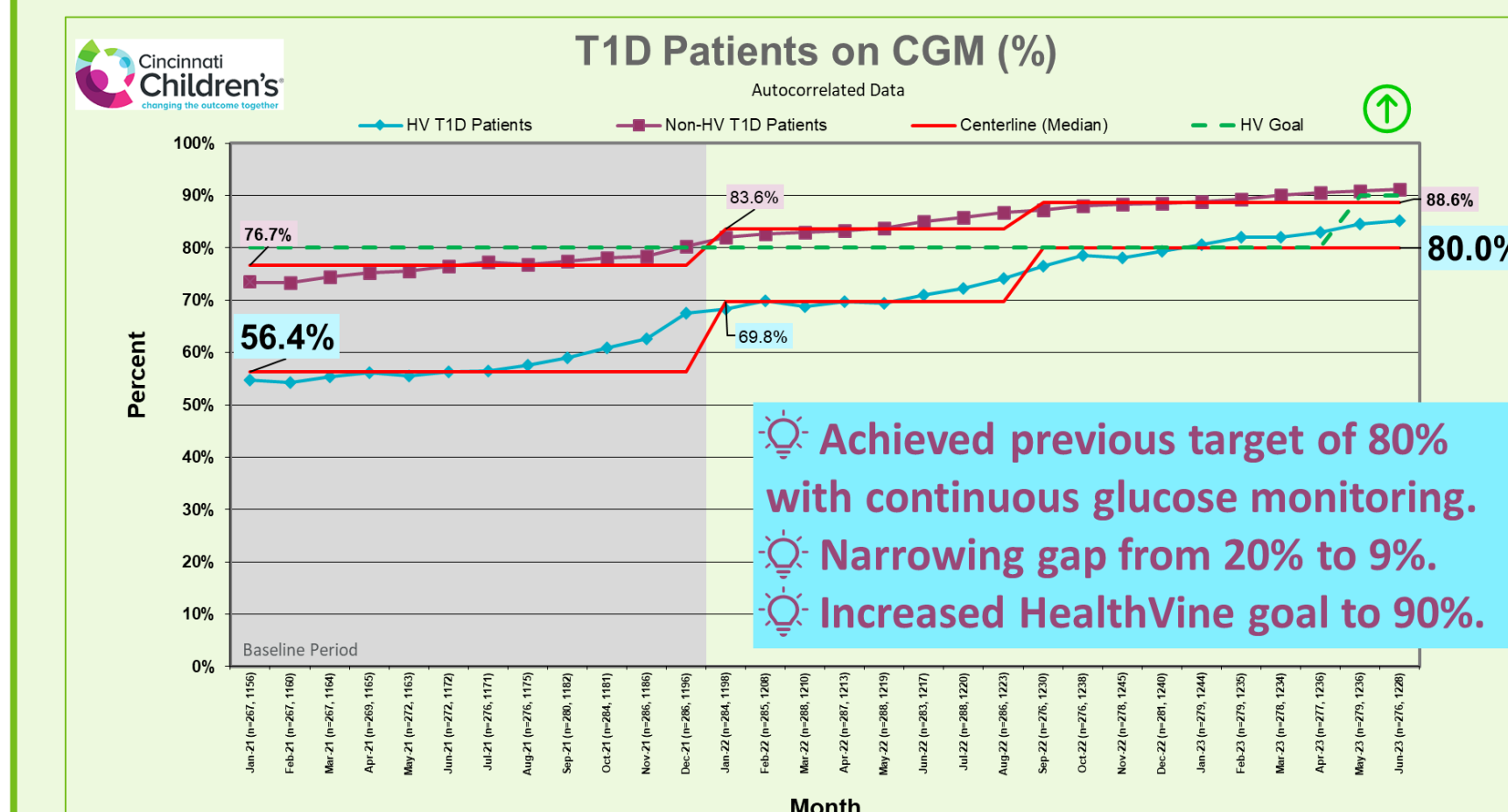
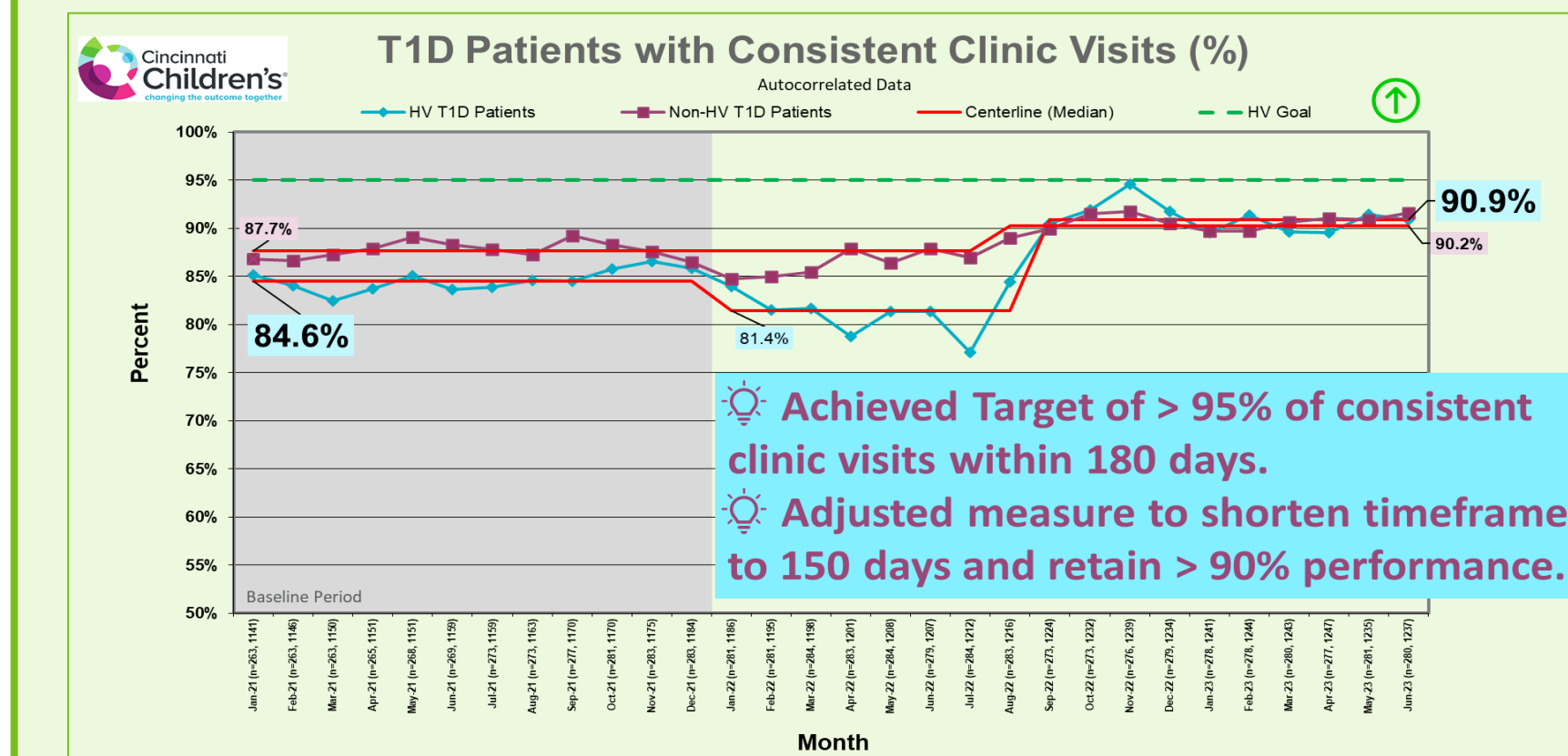
CONNECT1D- Key Driver Diagram

### Results



- At baseline, profound health disparities existed amongst youth with T1D.
- Compared to cohort with private insurance, youth on public insurance have lower rates of diabetes technology access, 3-fold higher rate of hospitalization, and average HbA1c > 1% higher.
- Through engagement with stakeholders and application of quality improvement methods, ConnecT1D has deployed multi-faceted interventions that have successfully improved care delivery processes and health outcomes while closing equity gaps.

Notably, outcomes for entire T1D registry have improved while equity gaps are narrowing.



Changing care delivery

Improving health outcomes

Closing equity gaps

### Example Interventions



Casey Petit



Aslawn Esters

#### Diabetes Community Health Workers

- Diabetes and community expertise:
- Address housing, transportation, safety, behavioral health needs
  - Navigate phone programs for diabetes technology needs

- Enhancing access to care:
- Proactive contact between visits
  - Mobile care unit
  - Embedded psychologist in clinic
  - Consistent clinic visit and pre-visit planning



#### Mobile Care Clinic



- Expanding team diabetes:
- Family and peer support through community programs like Friends for Life and ADA camp
  - School nurse program attended by 115 participants
  - Partnership with JDRF for back-to-school workshops

#### Social Supports Beyond Clinic

### Next Steps

ConnecT1D team will continue iterative testing of intervention ideas generated through participatory design.

Next phase of ConnecT1D includes integration of diabetes device data into the electronic health record to further enable optimal care delivery at and between visits.

### Acknowledgements

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