

Increasing Scheduling of Adult Diabetes Care Prior to Graduation from Pediatric Diabetes Care for Emerging Adults with Type 1 Diabetes: A Quality Improvement Project

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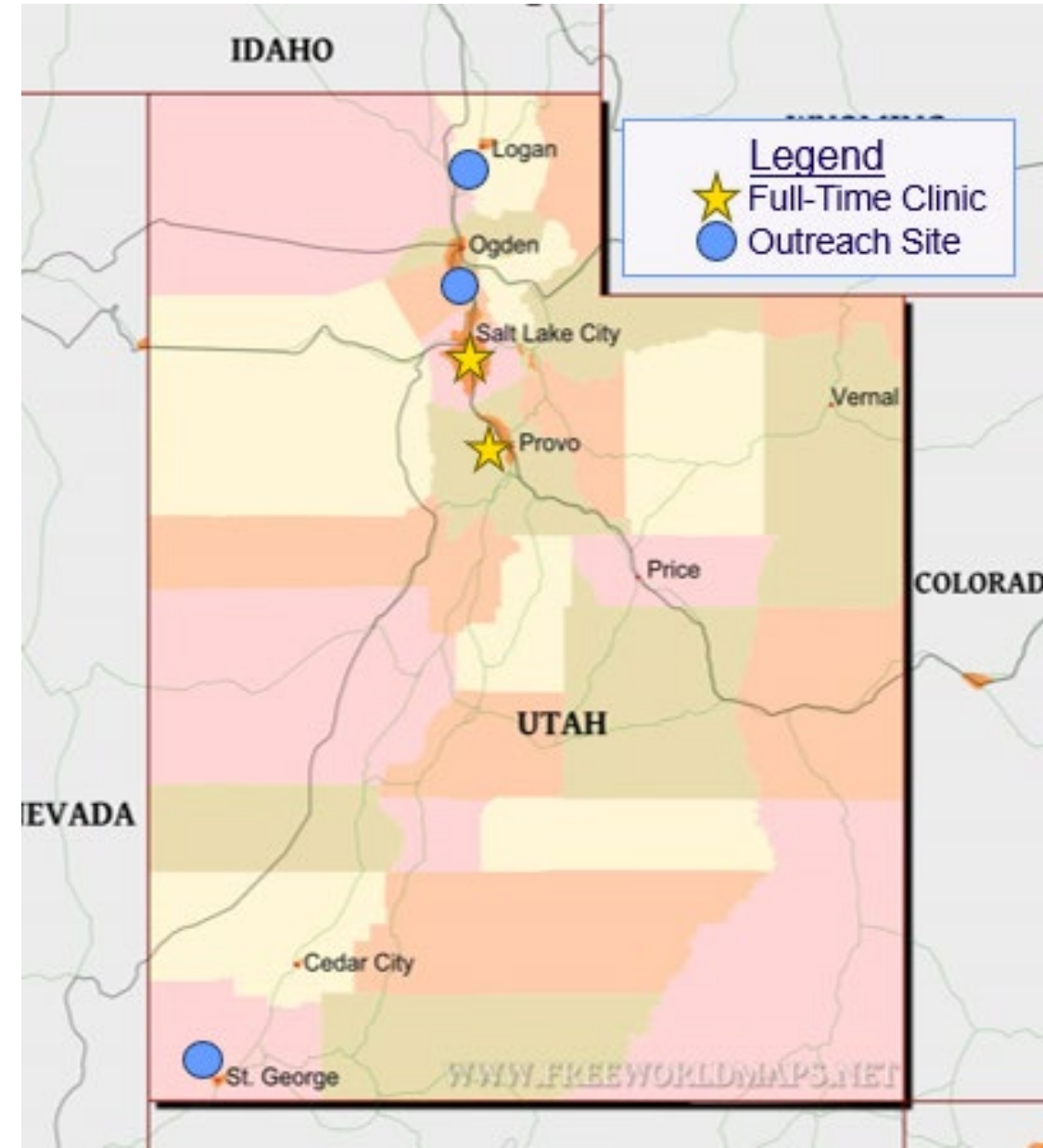
Objectives

- Discuss the transition process at PCH Diabetes Clinic
- Discuss our QI team, aim, and interventions
- Review outcomes thus far
- Identify steps going forward



Primary Children's Hospital Diabetes Clinic

- 2700 type 1 diabetes patients
- ~250-300 patients turn 18 every year
- Outreach Clinics: **Lehi**, Logan, Layton, St. George
- Large referral base from surrounding states



History of Transition Process

- No formal process
- Unique to each provider and educator
- Graduated from pediatric care generally around age 18 years or when complete high school
- Adult care is dispersed across systems throughout the state or surrounding states
 - No record of where these patients go if outside of Intermountain system



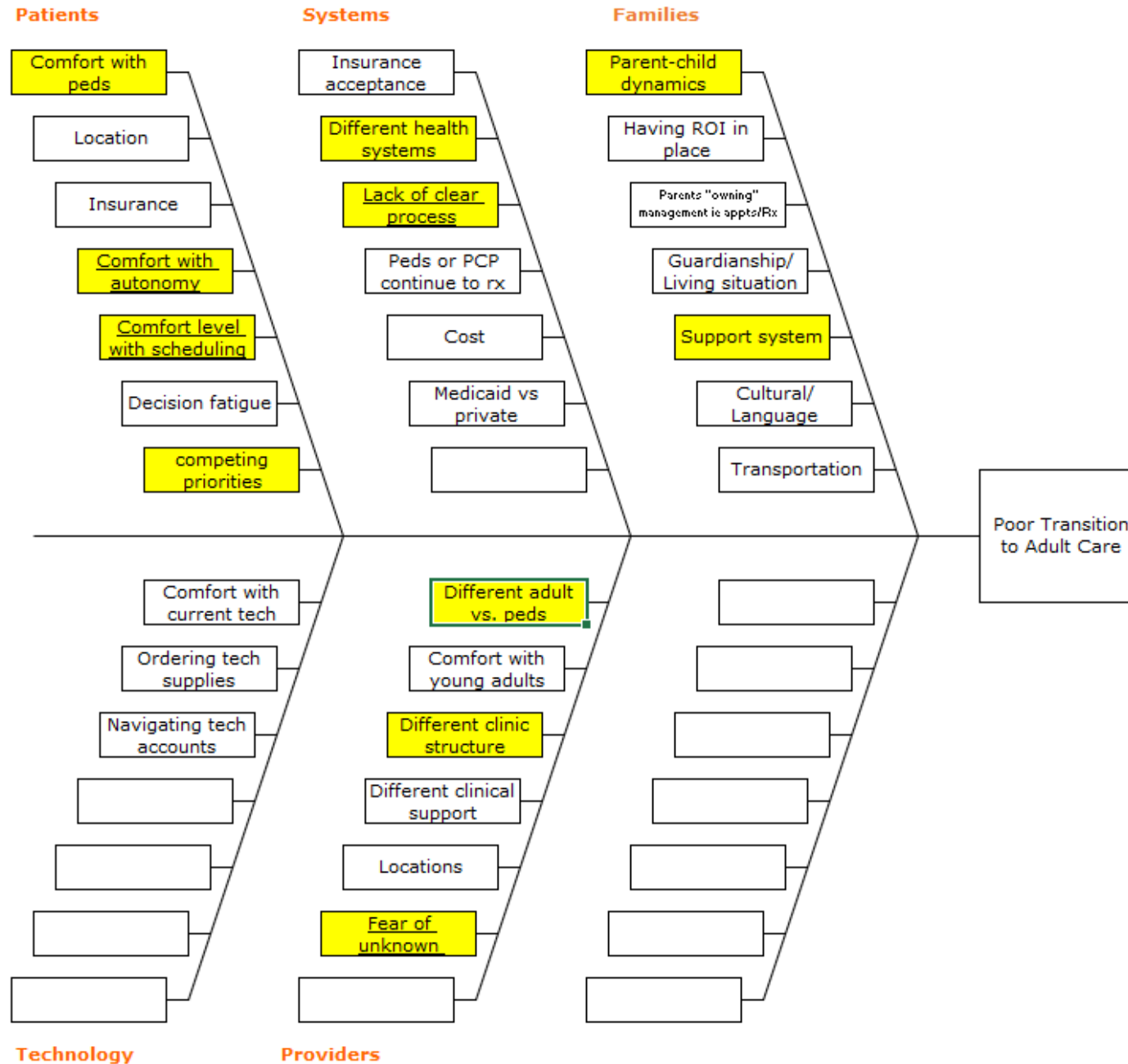
QI Team Formation

- Pediatric endocrinologists, fellow, adult endocrinologist, transition nurse care coordinator, RN manager, CDCES, medical assistant, social worker, parent partner, data manager
- Global aim: Improve the healthcare transition from pediatric to adult diabetes care.



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Barriers

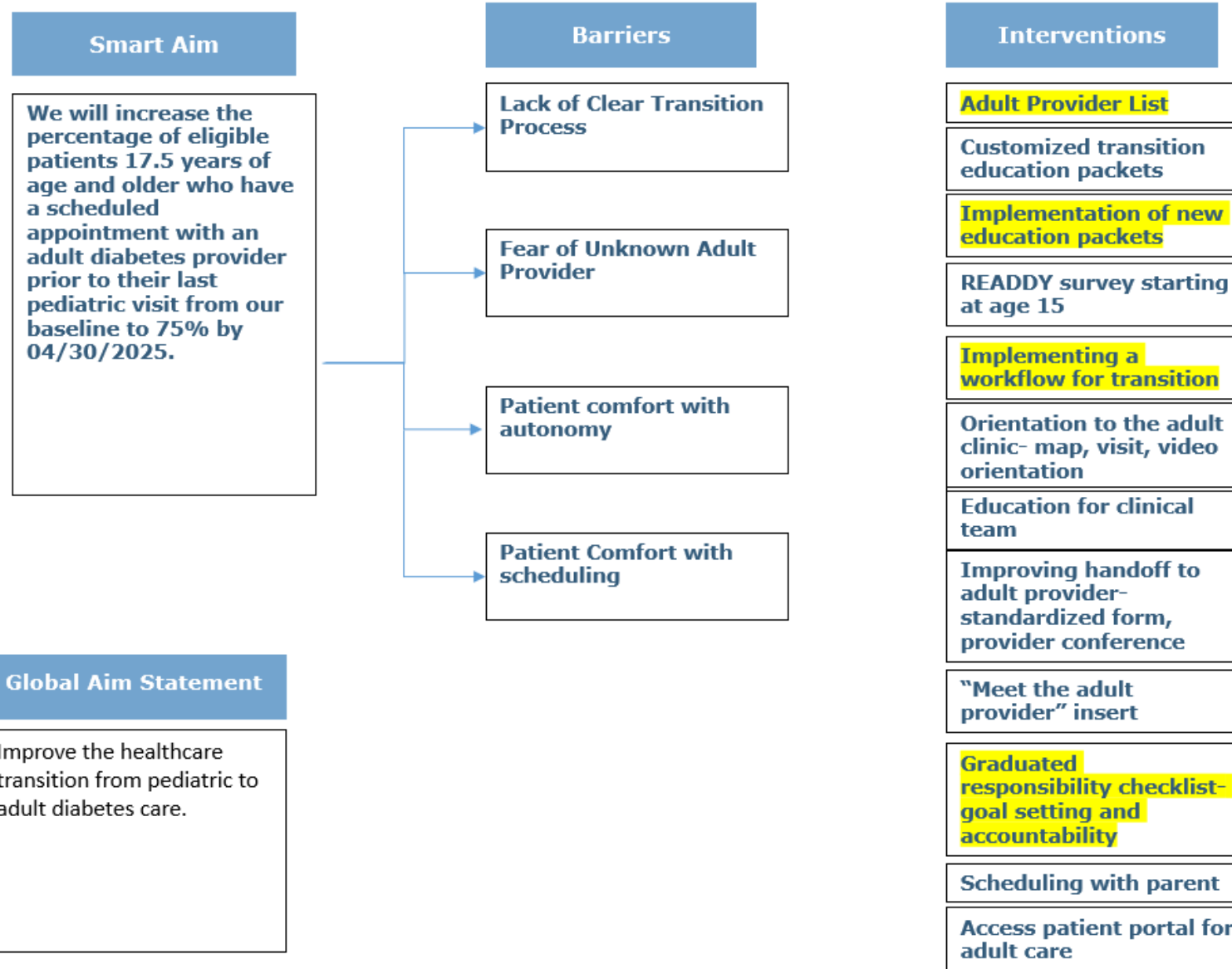


SMART Aim

- We will increase the percentage of eligible patients 17.5 years of age and older who have a scheduled appointment with an adult diabetes provider prior to their last pediatric visit from our baseline to 75% by 04/30/2025

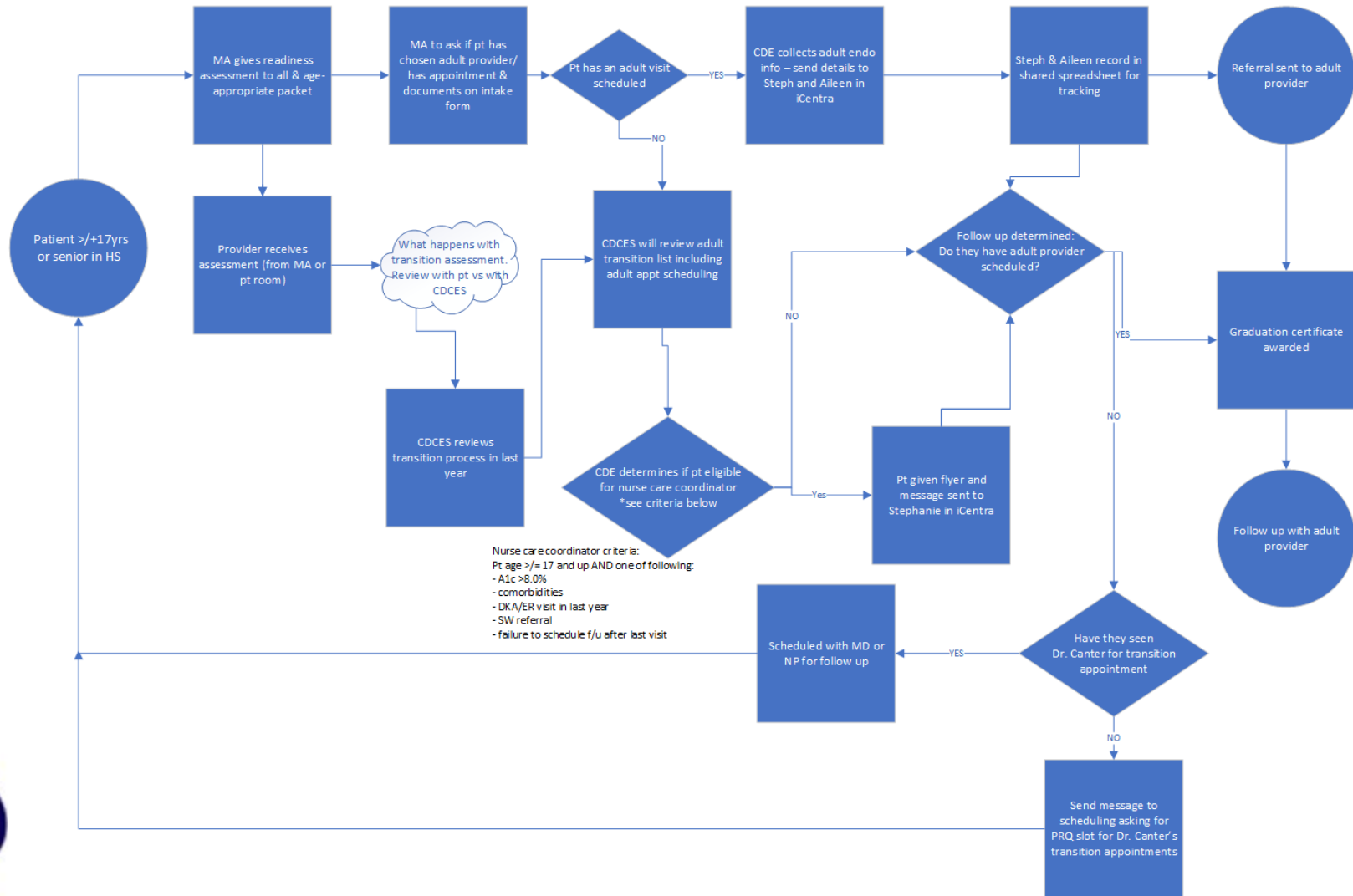


Key Driver Diagram



Process flow map

Transition Process for Patients age 17+/senior in high school (Eccles)

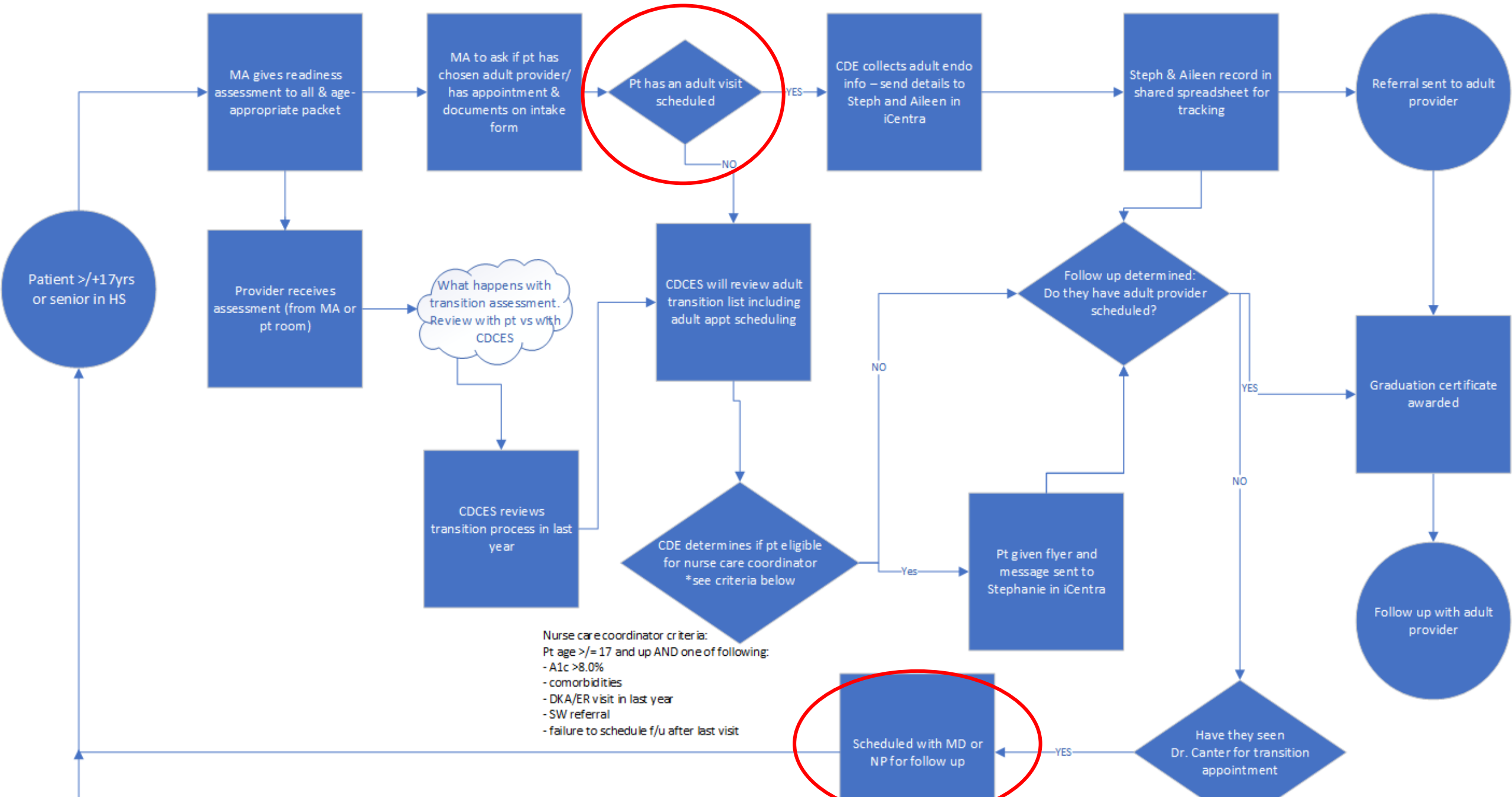


PDSA 1: Disseminating process flow map

- Rescheduling in pediatric clinic if no adult appointment is scheduled
- Establishing dedicated staff point-of-contacts for questions related to transition



Transition Process for Patients age 17+/senior in high school (Eccles)



PDSA 2: Adult diabetes appointment tracking

- Capturing adult provider appointments
- Message log requested for patients

Date:	_____		
Patient Name:	_____	Patient MRN:	_____
Adult Provider Appointment Made?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Name of Provider:	_____		
Date and Time of Appointment:	_____		
Notes:	_____		



PDSA 3-6: Tracking adult appointments in the EMR

- Using standardized documentation to easily track adult appointments as well as guide nurse care coordination efforts

Please send this message to Stephanie Sund and Aileen Edwards

Adult diabetes care appointment

[Pt Name] does (does not) have an adult diabetes appointment scheduled. (Please reschedule patient in pediatric clinic if no adult appointment) .Patient will be following up with Dr.Smego in June.

Hemoglobin A1c: 8.2 %

Adult diabetes provider: _____

Date: _____

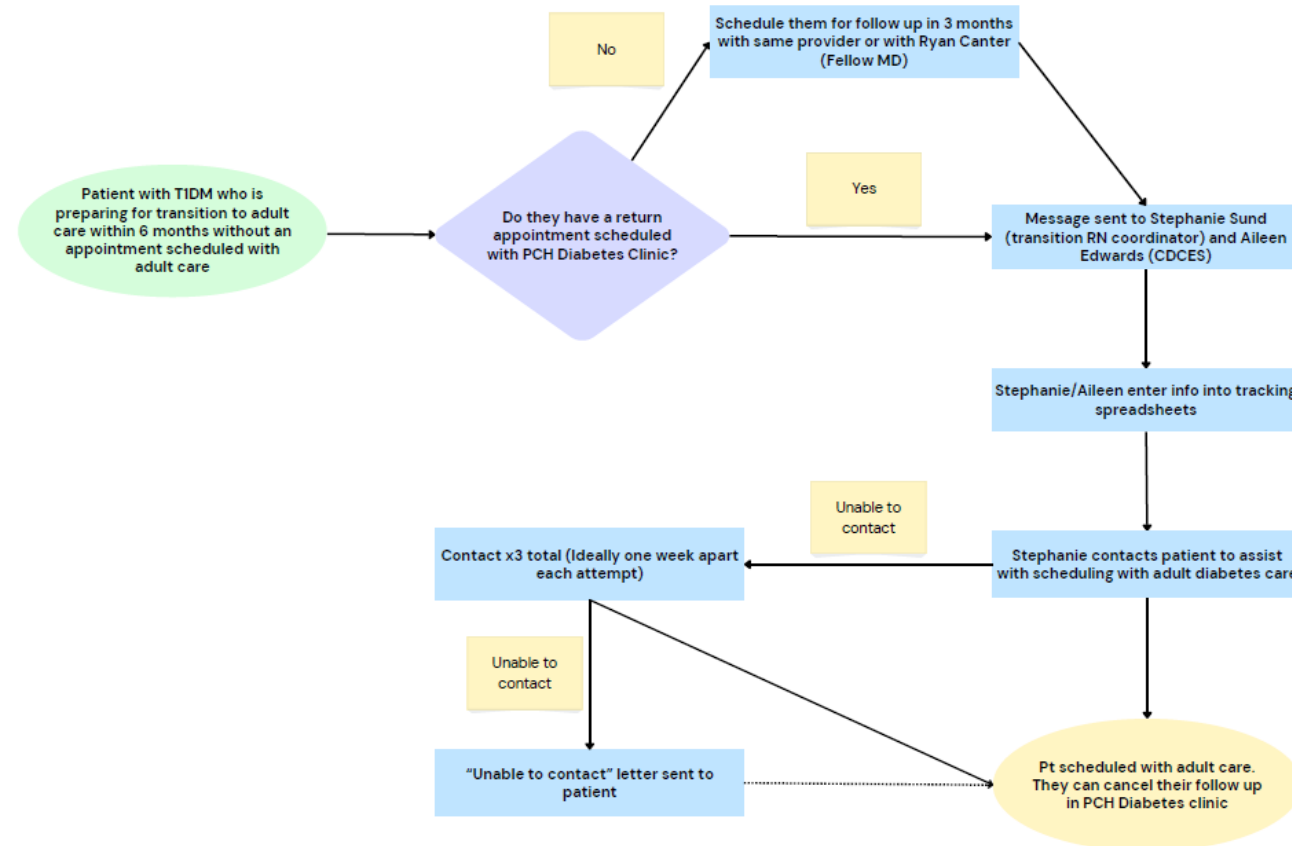
Time: _____

- Nurse care coordinator contacting patients based on message logs

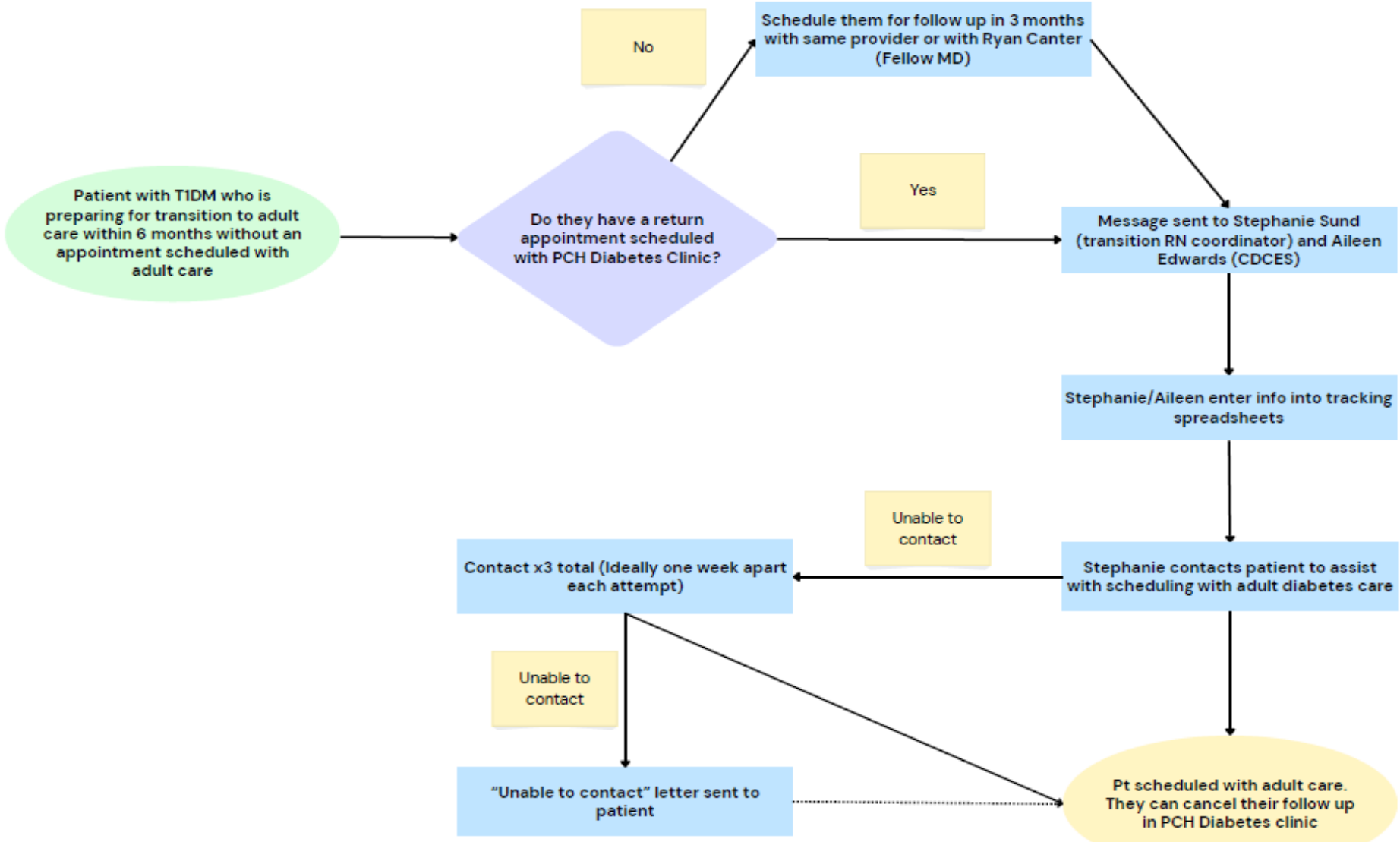


PDSA 3-6: Tracking adult appointments in the EMR

Transitioning T1DM Patients Without Scheduled Adult Care



Transitioning T1DM Patients Without Scheduled Adult Care



PDSA 7:

- Healthcare Transition Nurse Care Coordinator flyer



Hello!

I am here to help guide you on your journey from pediatric to adult healthcare!

About Me

I am a pediatric nurse and worked with Type 1 Diabetes youth for over 20 years. I have a strong passion in overall well-being, self-management skills, self-advocacy, and topics related to healthcare transition. I am also trained in health coaching, supporting goal setting along a youth's healthcare transition journey. I bring a special care, connection, and love to youth and their families.

How Can I Help?

I can work with you in-between clinic visits to set goals!

- Navigating the healthcare system (finding an adult provider, insurance, etc.)
- Building confidence in self-management

Stephanie Sund

Nurse Care Coordinator

Work Cell:
385-266-5149

Email:
stephanie.sund@imail.org

I work in the diabetes clinic

Fun Facts About Me

I have over 50 house plants!
I am an Army Veteran
I love to garden
I have 4 kiddos!



PDSA 8: Transition skills checklist

- Establishing standardized CDCES transition education
 - Introduction, Intermediate, Advanced, Graduation
- Focused on graduated responsibility and continued discussion of transition as a moving target

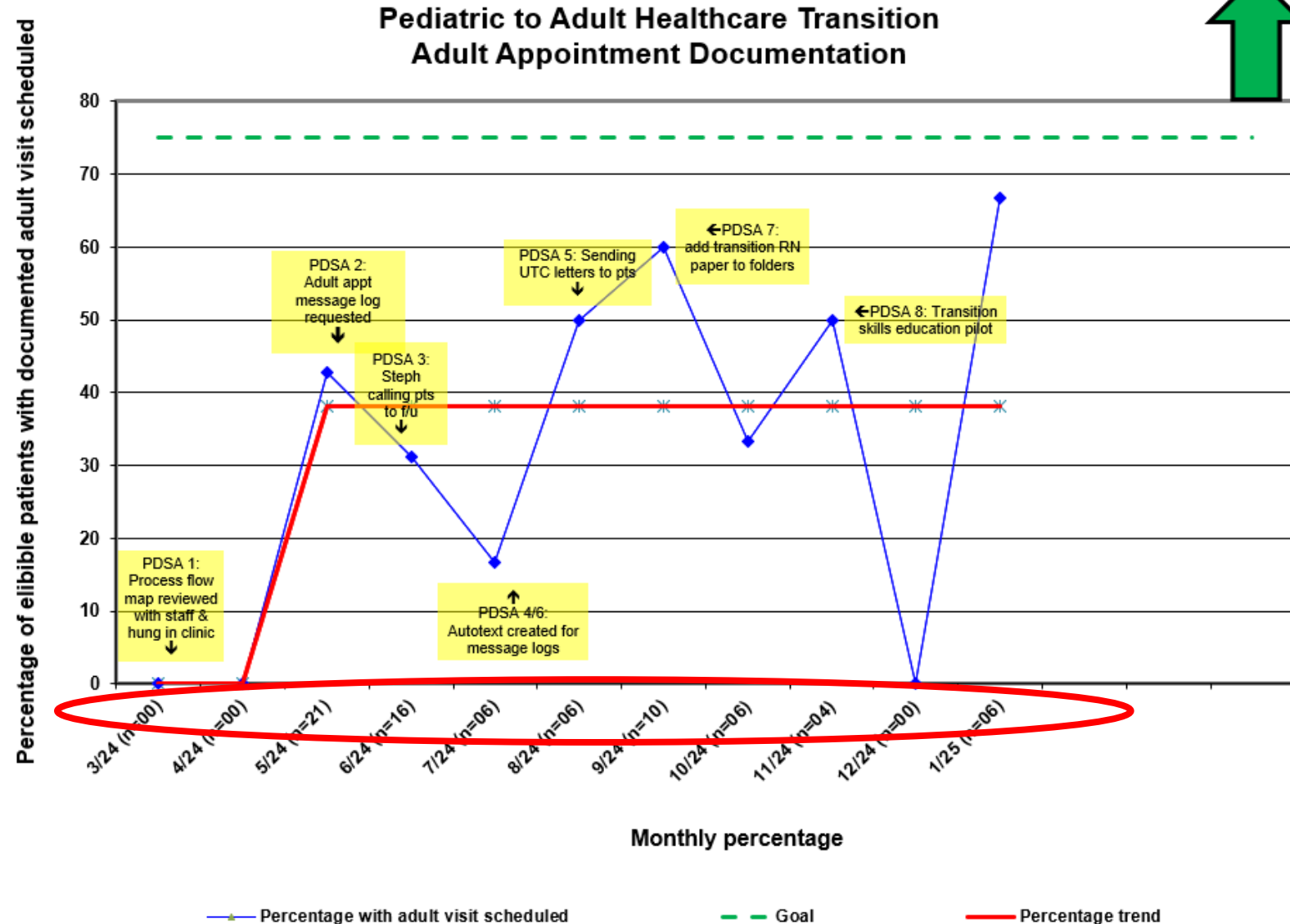
Transition Education Outline- Introduction (give at 15 years old or older)

Discuss Transition Program

- Why start now?
 - Becoming fully independent takes time. Many young adults wish they had started these skills sooner, so they were better at them before they moved away from home, went to college, went on missions, etc.
 - Our goal is to help you to feel comfortable by the time you are 18 and graduated from high school. That is when we encourage you to transfer to an adult provider.
- We will use Readiness Assessments and education at every visit to help prepare you.



Progress



Going Forward

- Eliciting patient feedback
 - QR code on transition education
- Identifying patients lost in process
 - How can we avoid this?



Future: Transition Summary

Patient Name _____ Date of Birth _____

Diabetes Type

Type 1 Type 2 Other _____

Date Diabetes Diagnosed _____

Diabetes Complications/Other Chronic Conditions

Social/Mental Health

Last PHQ-9: _____ Last GAD: _____ Therapy? Yes No

Mode of Insulin Therapy

Insulin Pump Multiple Daily Injections Other _____

Continuous Glucose Monitoring? Yes No Note: _____

Recent Clinical Exam/Test Results

Blood Pressure (Date)	Retinopathy Screening (Date)	
Current Weight (Date)	Height (Date)	BMI (Date)

Most Recent Laboratory Values

Date	A1c	Urine Microalb/Cr Ratio	LDL/Triglycerides	TSH	Celiac screening

Final Pediatric Appointment Date: _____

First Adult Appointment Date: _____

Patient Signature and Date

Referring Physician Signature and Date

Contact Information 801-662-1640 option 7



Opportunities & Challenges

- Building a robust transition program
 - Lots of ideas/areas for change
- Staying focused on SMART AIM
- Adult patients seen over large geographical area by different providers (endo, family med, adult medicine)



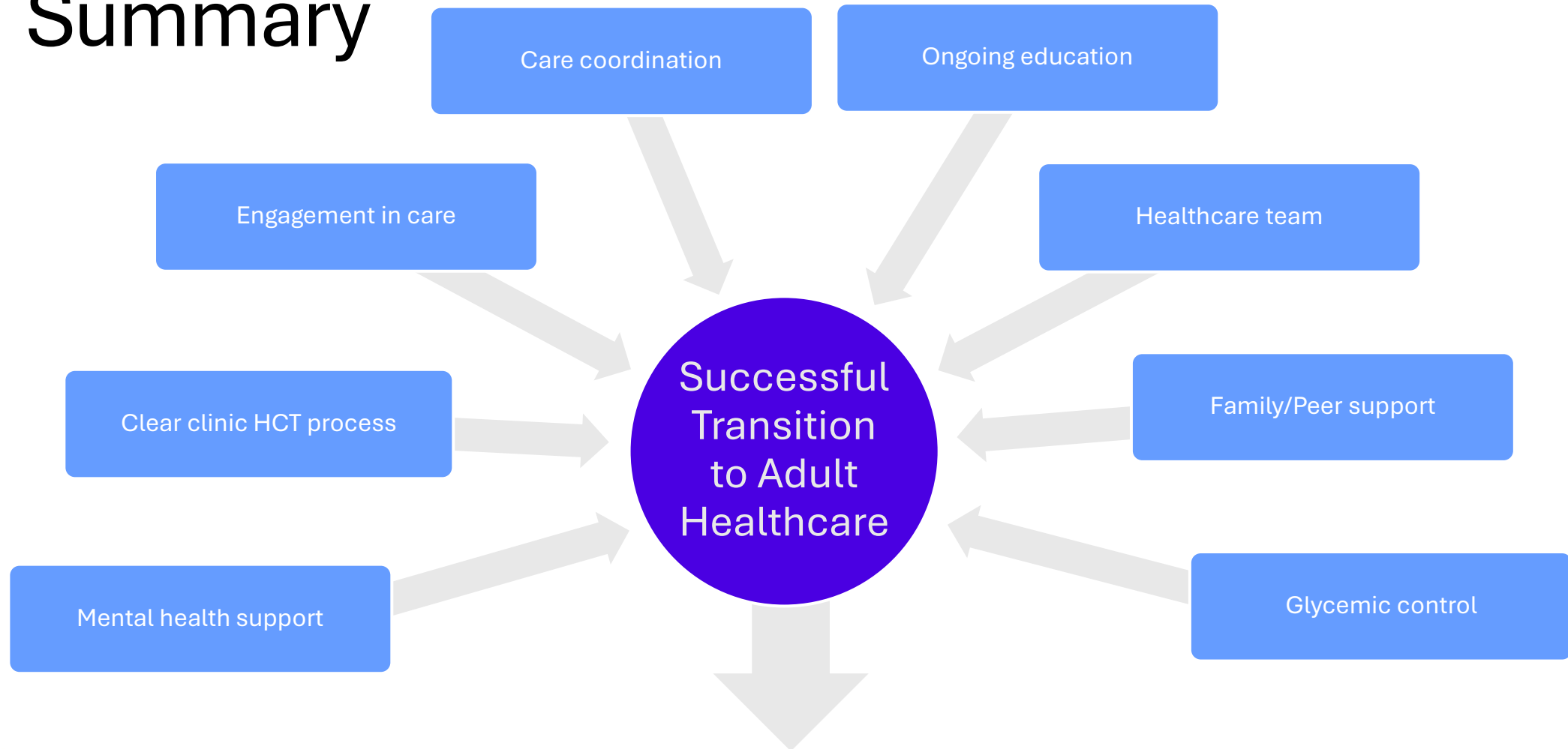
Patient Story

18-year-old patient with Type 1 Diabetes

- Never made adult appointment after leaving the pediatric clinic
 - Ran out of insulin and supplies
- Transition Coordinator helped them get refills and make adult appointment
 - Appointment was not for 6 months
 - Recommended one more follow-up visit with pediatric diabetes clinic
- Transition completed to adult provider
- Pt thankful for assistance
 - Reports if Stephanie had not reached out, she may have taken a much longer time to transition
 - May have rationed her insulin leading to poor control and risk of complications



Summary



Continuity of care
Post-transition glycemic control
Avoidance of complications
Patient & family satisfaction

Questions/Comments

