Problem Areas in Diabetes-Teen (PAID-T) Implementation

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Diabetes Team

Physician: 18 FTE

■ NP/PA: 6.9 FTE

Social workers: 2.8 FTE

■ RN CDCES: 6.3 FTE

■ RD CDCES: 5.4 FTE

Psychologist: 1 FTE

MA: 4 FTE

Riley T1 Diabetes Patients

Total diabetes patients: 1,782

- Type1: 1,600

Approx # of new diagnoses of T1 per year: ~175

Insurance

- 56% private

- 44% Medicaid

Clinic sites across the state (Indianapolis, Carmel,
 Ft. Wayne, Evansville, Bloomington, South Bend)





Background

- Adapted from PAID questionnaire for adult population
- 14-item tool for validated for teens
- Examines diabetes-related distress
- Asks how bothersome items are on 1 to 6 scale in the last month.
- Can provide more insight than only depression and anxiety screeners
- High diabetes-related distress can be associated with:
 - Suboptimal self-management
 - ○Elevated A1c
 - More frequent severe hypoglycemia
 - olmpaired quality of life
 - Olncreased chance of "diabetes burnout"





		Not A Problem		Moderate Problem		Serious Problem	
 Feeling sad when I think about having and living with diabetes. 	1	2	3	4	5	6	
2. Feeling overwhelmed by my diabetes regimen.	1	2	3	4	5	6	
Feeling angry when I think about having and living with diabetes.	h 1	2	3	4	5	6	
Feeling "burned-out" by the constant effort to manage diabetes.	1	2	3	4	5	6	
Feeling that I am not checking my blood sugars often enough.	1	2	3	4	5	6	
Not feeling motivated to keep up with my daily diabete tasks.	s 1	2	3	4	5	6	
 Feeling that my friends or family act like "diabetes police" (e.g. nag about eating properly, checking blood sugars, not trying hard enough). 	1 i	2	3	4	5	6	
Feeling like my parents don't trust me to care for my diabetes.	1	2	3	4	5	6	
9. Missing or skipping blood sugar checks.	1	2	3	4	5	6	
 Feeling that I am often failing with my diabetes regimen. 	1	2	3	4	5	6	
 Feeling like my parents blame me for blood sugar numbers they don't like. 	1	2	3	4	5	6	
Feeling that my friends or family don't understand how difficult living with diabetes can be.	1	2	3	4	5	6	
13. Worrying that diabetes gets in the way of having fun and being with my friends.	1	2	3	4	5	6	
14. Feeling like my parents worry about complications too much.	1	2	3	4	5	6	





Aims

- Primary aim: Each T1D patient screened with PAID-T annually
- Secondary aim: Patients with score 44 or higher addressed in real-time at clinic visit
- Tertiary aims: Document process in EMR





Fishbone Diagram

Process:

- Clinic flow inconsistent between clinic types (T2 vs. T1. vs pre vs. endo) which can be confusing
- Long wait times to get patients into exam rooms
- Hard to implement new forms into workflow
 - Who? Front desk vs MA vs CDCES vs MSW
- Patients who express distress may be concerned with lack of immediate follow-up
- Will providers remember to check before meeting with patient?
 How to address positive screenings?
- How quickly can social work team respond to positive screening form?

Product:

- Using paper forms creates extra steps for staff (data entry into Cerner/other database)
- Unable to be integrated into Cerner
- Once widespread, will be burdensome to enter responses into Redcap database for tracking
- Easy to skip second page of form

People:

Staff

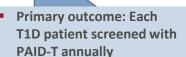
- Sw-high case load; may not be at clinic for real-time response
- Front desk-unaware of form
- Providers- time with each patient limited; will they remember to look at responses; unsure of how to respond to positive screening
- Staff unaware of form use in clinic

Patients/families

- Anxious to leave clinic if wait times long
- Caregivers fill out form instead of patient
- Have social needs that take priority
- Patients leave responses blank or forget to complete second page
- Discouraged if distress is disclosed and not addressed

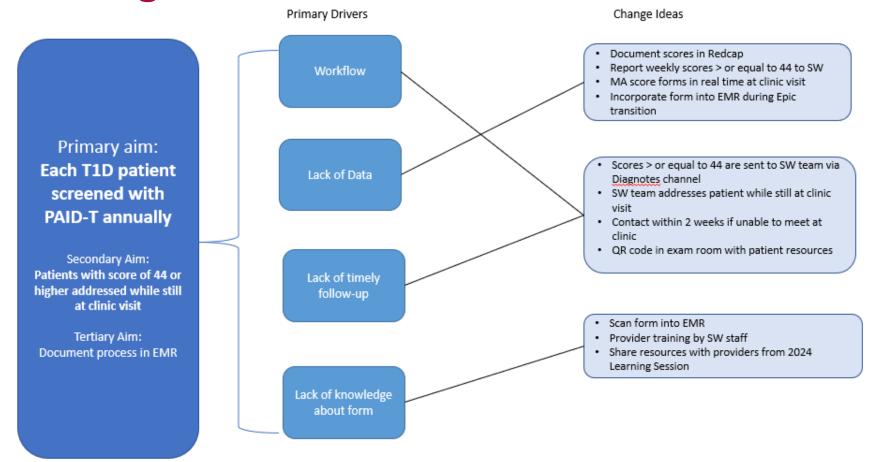






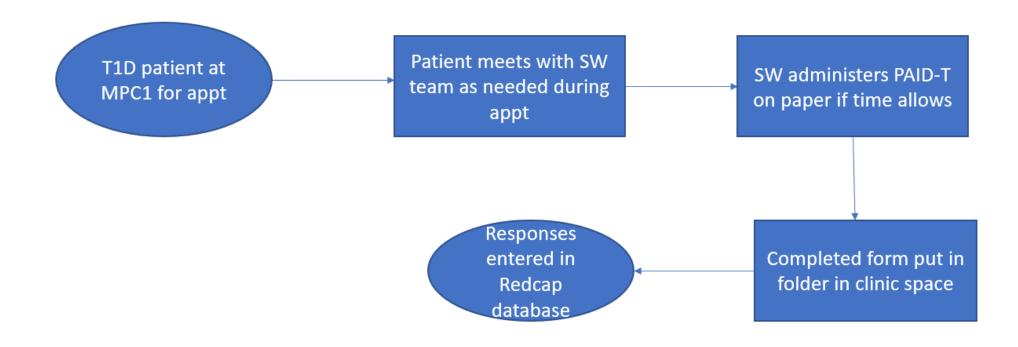
- Secondary outcome: Patients with score of 44 or higher addressed while still at clinic visit
- Tertiary: Document process in EMR

Key Driver Diagram









PDSA 1: Social workers administer when able

Started: 10/4/2023

Ended: approx. 1/15/2024

Total responses: 5

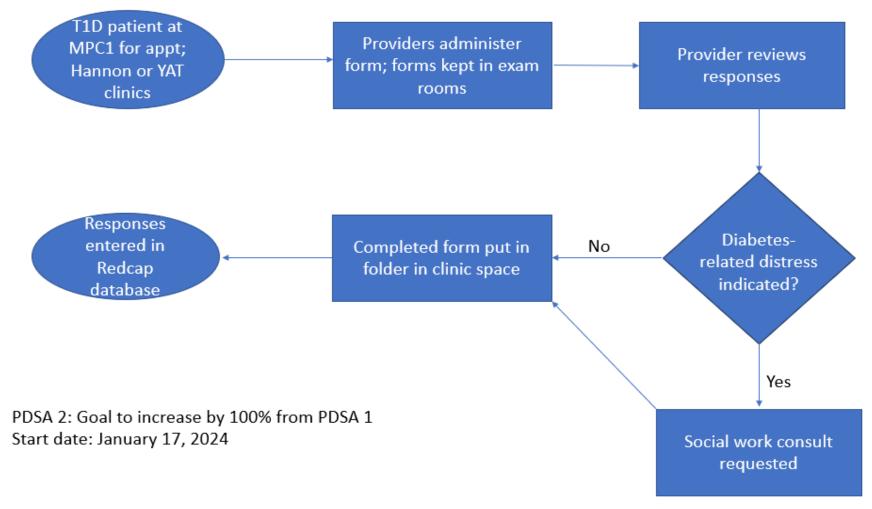




- 2 MSWs with large patient load; often cover satellite clinics across state
- Social work time/workload
- Process made it easy for SW to forget
- Patients had other social needs that required immediate attention
- Unsure what to do with patients who respond 5/6 to a question or otherwise indicate high distress
- Other staff support issues
- ADAPT process for PDSA 2







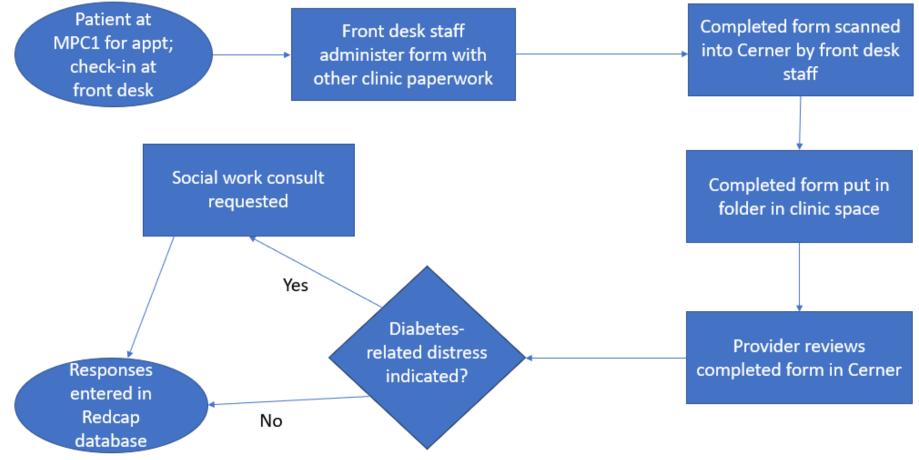




- New LCSW liked using the form with patients
- We collected 15 new responses which exceeded our prediction of an increase of 100% (10 total)
- Relying on social workers alone is not an efficient way to collect responses from a large population.
- Want to incorporate the PAID-T into the normal patient paperwork packet for diabetes patients at MPC1.
- Involving the front desk staff and incorporating into clinic workflow in the next PDSA will be helpful.
- Adapt process for PDSA 3







PDSA 3: Goal to increase by 100% from PDSA 2

Start date: April 22, 2024

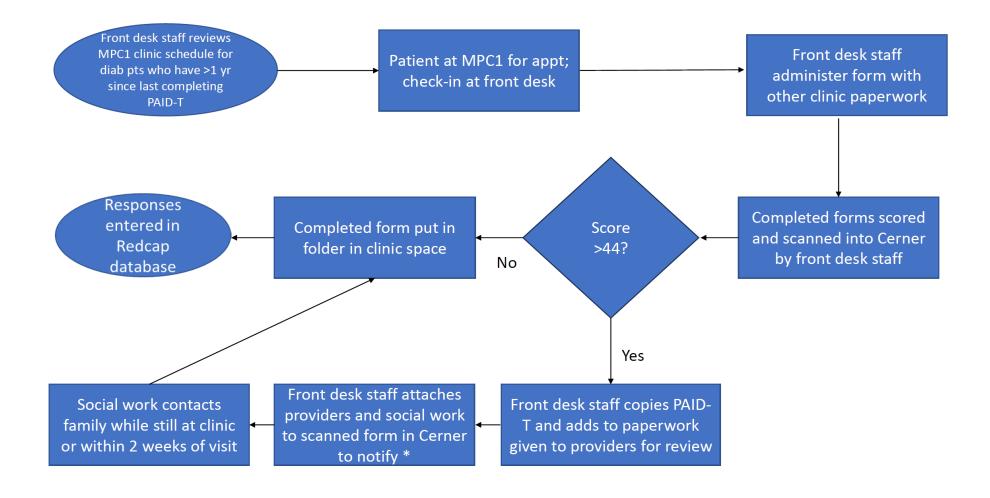




- Easy to collect responses by including the PAID-T in the patient paperwork packet.
- As of 7/22/2024, collected/entered at total of 501 records total (around 475 since last PDSA cycle).
- The process integrated into normal clinic paperwork.
- Need plan to notify the providers and social workers of scores >44 in real-time while the patient is still at the clinic visit.
- Forms were not being scanned into Cerner so providers were not aware of positive results
- Adapt for PDSA 4







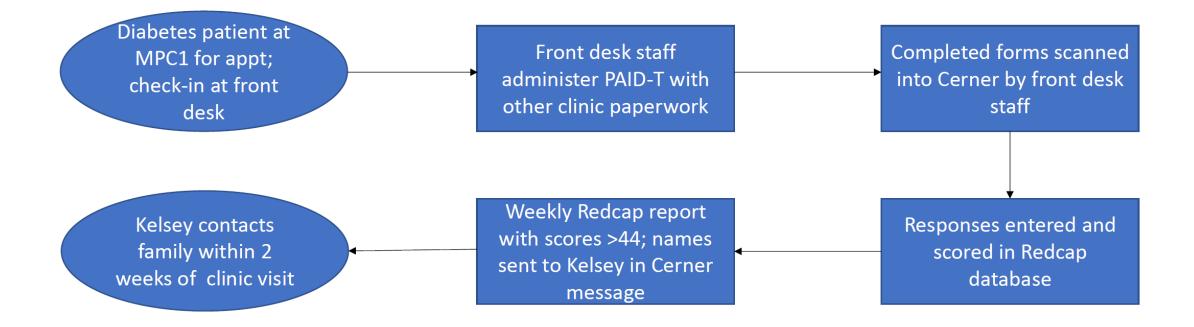




- We learned that this cycle may work in the future for our site, but right now we need to scale it back
- No clinic manager/short-staffed
- In the short term run weekly reports of scores >44 and send those names to social work or Kelsey. They will address responses with patients through resources, counseling, etc.
- Abandoned cycle and went back to process from PDSA 3







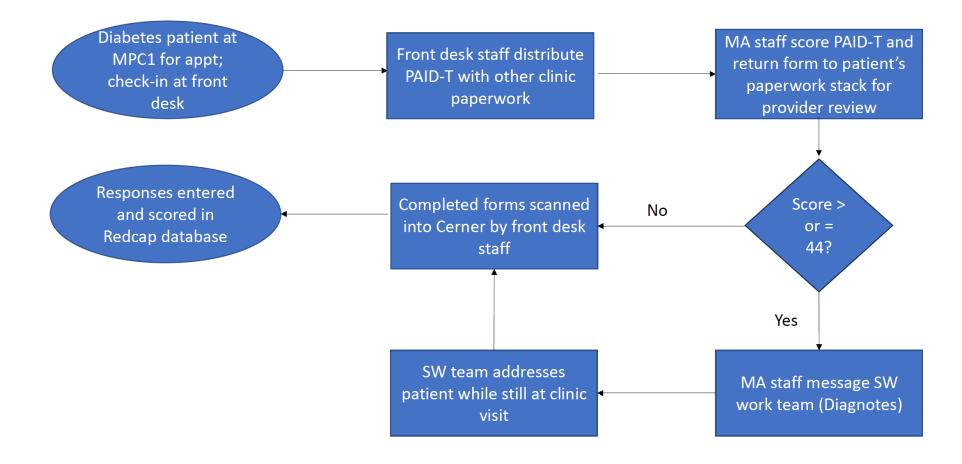




- 5-10 diabetes patients per week at MPC1 had a score of > or = 44.
- A message was sent to LCSW in each patient's chart with their high PAID-T score.
- LCSW did reach out within 2 weeks from clinic visit and offer services.
- Need to integrate newly hired psychologist into process.
- While the team was able to access patients within 2 weeks of their diabetes appointment a MPC1, it was agreed that we need a better way to reach out to patients with a score of 44 or higher while they are still at clinic.
- Adapt process for PDSA 6











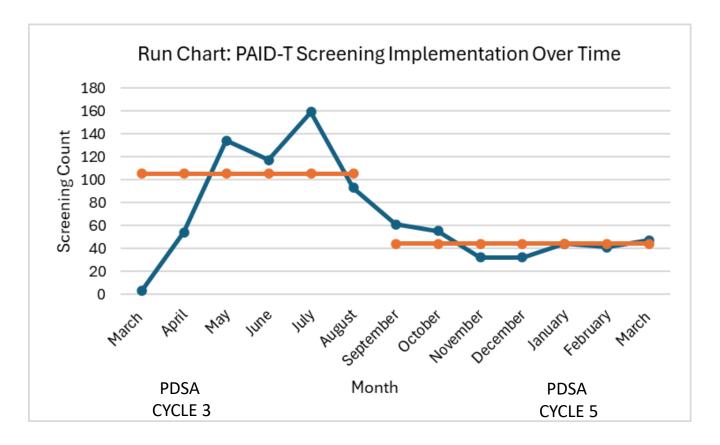
Current Observations/Barriers PDSA 6

- So far process seems to be effective in notifying SW team of positive scores
- A few patients may be missed if social workers and psychologists are working with other families





Current results - Number of Patients Screened with PAID-T



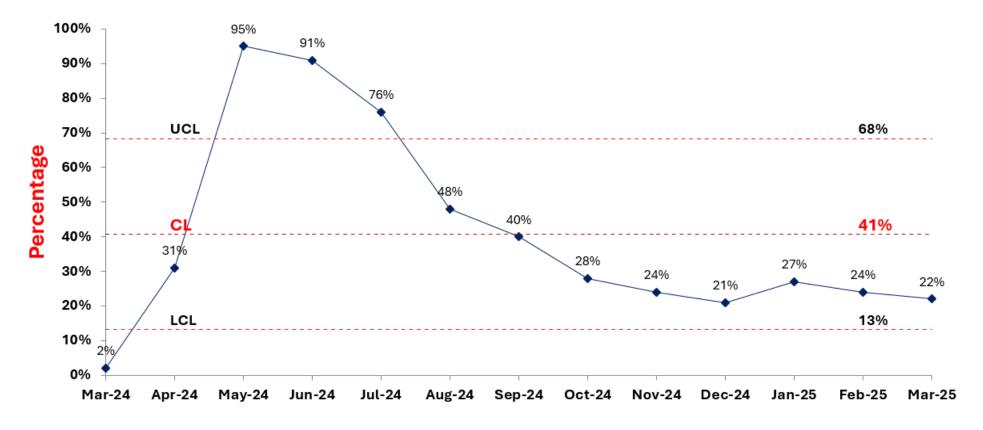
This run chart shows the number of **unique patients** who completed a PAID-T screening each month.

To avoid overcounting, we only included each patient's first screening during the 12-month period, in line with the goal of one annual screen per patient.





Current results - Monthly Screening Rate



The monthly screening rate reflects the number of **unique first-time PAID-T screens** divided by the **total number of clinic appointments** that month. In some months, the screening rate appears artificially low because patients who had already been screened earlier in the year continued to return for follow-up visits, contributing to the denominator but not to the numerator.

This approach ensures we uphold the annual screening goal, but it may underestimate actual screening performance across visits.



Future Plans

- Train providers on PAID-T form during staff retreat (scoring, interpretation, and follow-up for high scores)
- Assess provider barriers to utilizing from in clinic (pre training and post training) starting in August
- Offer Learn2Breathe to patients indicating diabetes distress (mindfulness-based stress reduction program for teens)
- Incorporate into Epic build with real-time scoring, alerts to providers
- Reduce survey burnout and only administer once per year
- Expand to other clinic sites





Diabetes Clinic Staff Survey

I do not have time to address problems noted on the questionnaire during clinic

The workflow doesn't allow me to use the questionnaire efficiently in clinic: Providers and/or MAs I do not feel that I have the training/knowledge/skills to address problems noted on the questionnaire during clinic

It is difficult to refer/consult clinic staff to address problems noted on the questionnaire during clinic I am not aware that patients are completing the questionnaire in clinic

There is too much paper used in clinic

I feel that someone else is better suited to address problems noted on the questionnaire during clinic

I do not feel that this questionnaire helps me care for my patients

I do not know how to score to questionnaire

I do not know how to interpret the questionnaire





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Thank you!





