

# My Journey with ASK



# Practical Aspects of Screening for Pre-Symptomatic Type 1 Diabetes: Lessons from ASK

303-724-1ASK | ASKhealth.org  
1 2 7 5

Autoimmunity Screening for Kids  
**ask**   
**FREE**  
A SIMPLE TEST TO DETECT  
**Childhood Diabetes + Celiac**

Approved by the Colorado Multiple IRB #14-0553 Marion J Rovers, MD, PhD



CRYSTAL SILVA



Barbara Davis Center for Diabetes  
UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS

Autoimmunity Screening for Kids  
**ask** 

A SIMPLE TEST TO DETECT  
**Childhood Diabetes  
+ Celiac Disease**

# **Autoimmunity Screening for Kids (ASK) Goals:**

- 1. Determine frequency of pre-symptomatic T1D and celiac disease**
  - Analyze cost-effectiveness of screening to move towards universal screening
  - Increase community engagement and awareness
- 2. Offer interventions to slow progression to diabetes**
  - Prevent diabetic ketoacidosis (DKA) at diagnosis
- 3. Reduce complications of undiagnosed celiac disease**

# Evolution of ASK Screening (Then vs. Now)



**2017-2020-** Hospitals, private practice, community events, various walk-in locations

**2020-2022-** Fewer sites, fewer screeners, remote monitoring



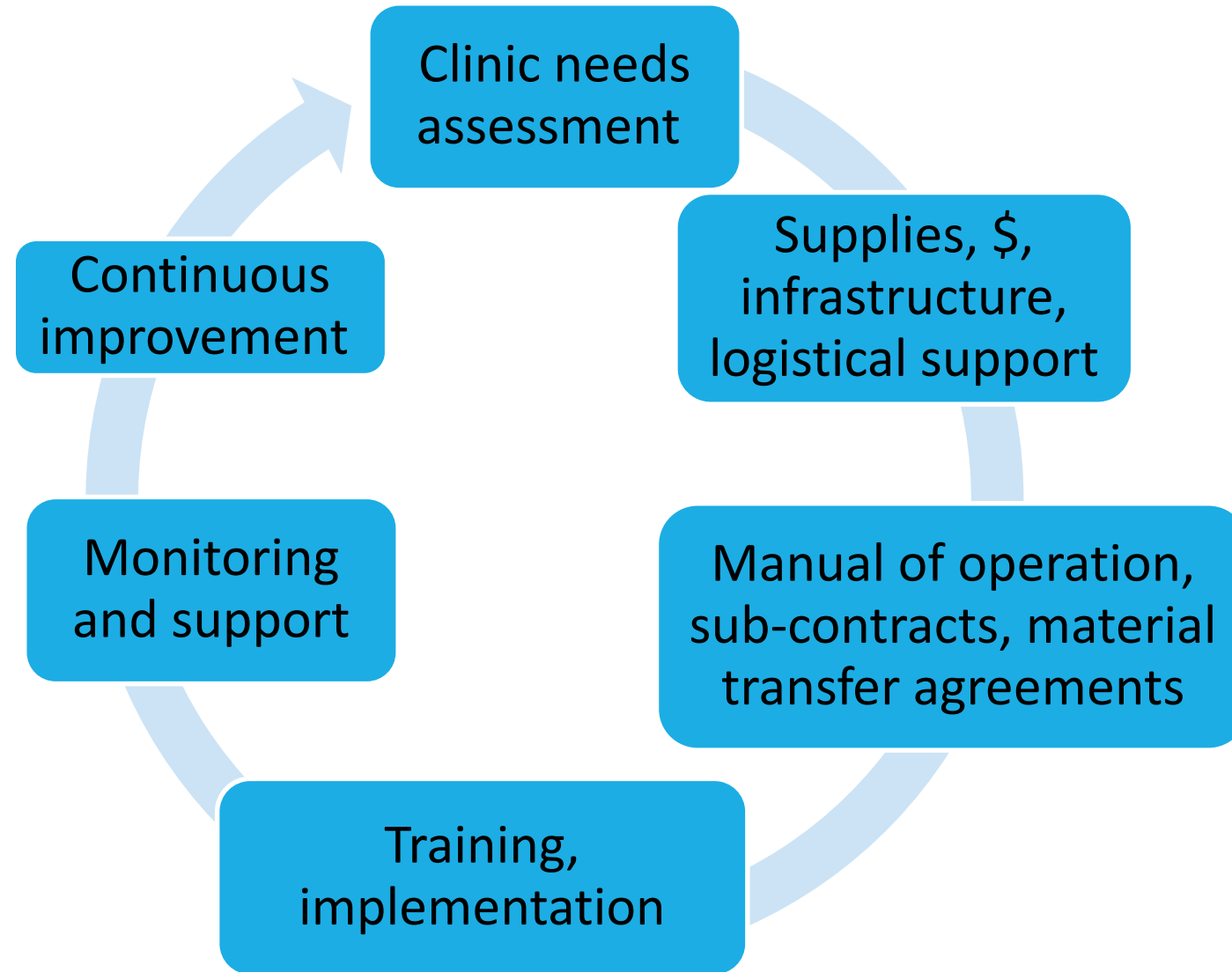
**2022-Present-** Expanded screening methods, provider involvement has increased, ASK the Experts, utilization of existing infrastructure to facilitate ASK screening, commercial outpatient labs, home kits



# Community Awareness: Media, Branding, Marketing




# ASK Screening Implementation Model



# Pediatric 5280 Point of Care Collaboration

## Check-in


Patient Name: \_\_\_\_\_

**Autoimmunity Screening for Kids**  
**ask**   
**FREE**  
A SIMPLE TEST TO DETECT  
**Type 1 Diabetes (T1D) + Celiac**

**\*OFFICE USE\***  
Nurse:  
Lipid outcome:  
 No lipid this year  
 Ran  
 Partially ran  
 Inconclusive  
ASK outcome:  
 Collected >= 200ul  
 Collect < 200ul  
\*Please place all sheets in ASK drawer after appointments.

Your child may be due for a lipid screening today. They're eligible to add **free** testing for Type 1 Diabetes and Celiac Disease. This test can be completed at the same time as the lipid screening at no cost to you. If you choose to participate, you will need to have the consent form completed prior to this test. If you have any questions, please speak with your provider.

1. To connect to the Wi-Fi P5280 (PUBLIC) password: **HappyKids!**
2. Please fill out the consent by scanning the QR code, select **Peds 5280** location, and **take a screenshot** of your Kiosk ID number.
3. **Write** your Kiosk ID here **ASK Kiosk ID:** \_\_\_\_\_ and **hand** this form to your nurse.

  
SCAN ME

We're not interested in testing for T1D and CD today due to:  
 Not enough information.  
 Other, would you mind sharing why? \_\_\_\_\_



## Lipid and ASK Consult



## Sample Collection



- American Academy of Pediatrics (AAP) recommended screening for dyslipidemia in children 9 - 11 y old
- Covered by insurance

- Research
- Grant funded
- 1-17 yrs old



+



Analytes:  
Total Cholesterol  
HDL Cholesterol  
Triglycerides  
LDL Cholesterol

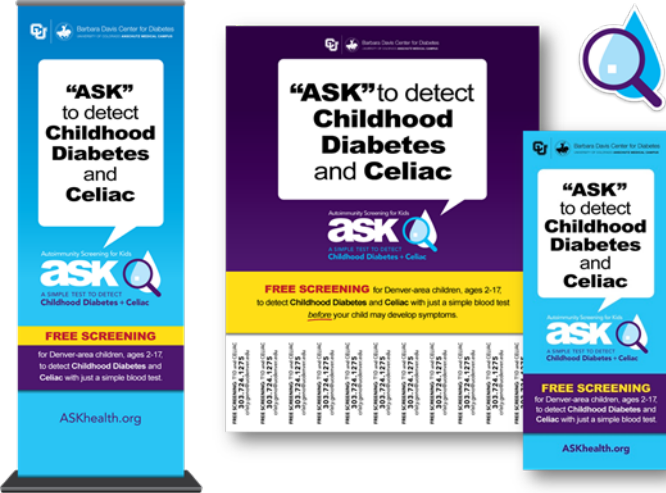


Autoantibodies:  
GADA  
IAA  
IA-2A  
ZnT8A  
TGA



# Keys to Successful Screening

- 1. Engage Providers: educational campaigns, trainings, brochures, and online resources
- 2. Provider advocating and backing
- 3. Ongoing communication



# Summary: ASK Screening Progress and Key Success

- Screening can prevent DKA
- Screening is feasible
- The ASK screening implementation model can be replicated across various settings and systems
- Results are clinically actionable
- There is an existing support system with ASK, ASK the EXPERTS and the Barbara Davis Center

# Acknowledgements

Marian Rewers, P.I.  
Cristy Geno Rasmussen  
Kim Bautista  
Judy Baxter  
Amber Corr  
Fran Dong  
Daniel Felipe-Morales  
Isabel Flores Garcia  
Brigitte Frohnert  
Tricia Gesualdo  
Michelle Hoffman  
Xiaofan Jia  
Rachel Karban

Maricela Munoz  
Holly O'Donnell  
Meghan Pauley  
Flor Sepulveda  
Crystal Silva  
Kimber Simmons  
Andrea Steck  
Iman Taki  
Kathy Waugh  
Joey Wong  
Liping Yu

Brett McQueen  
Rick Bacher  
David Roth  
Laura Pyle  
Jill Norris

## Sponsors



Patten-Davis Foundation

**Our ASK  
participants,  
families, and  
ASK provider  
partners**

## Partners



Edwin Liu, Marisa Stahl  
Michelle Corrado, Mary Shull, Pooja Mehta,  
Ed Hoffenberg, Monique Germone,  
Sadie Nagle, Erin Sandene, Kevin Carney,  
Amy Lewis, Chrisann Karr, Sondra Valdez,  
Chris Martin, Alison Brent



Dan Feiten  
Tracy Brekken



Martha Middlemist  
Rebekah Phillips



Holly Frost  
Sonja O'Leary  
Kathy Love-Osborne



Barbara Davis Center for Diabetes  
UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS

