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"DASH" ing the way to health equity and chronic disease care success: innovations and development of the DASH (Diabetes and School Health) Program



June 2023 School-Based Health Alliance Conference Washington, DC



#### TIME FOR SOME QUESTIONS!!





What ONE word comes to mind when you think of type 1 diabetes care in the school

When your child seeds a brogstal, currything resulter."

Which of the following is the biggest challenge your team has faced with type 1 diabetes care in the school setting?			
	Lack of diabetes education among school staff		
100%			
	Lack of diabetes staff/resources at school		
0%			
	Lack of support from school leadership/administration		
0%			
	Lack of caregiver cooperation		
0%			
	Other		
0%			
	-		
	Start the presentation to see live content. For screen share software, share the entire screen. Get help at pollev.com/app		

Do you	have a school program for type 1 diabetes care or other chronic disease care?
	YES
0%	
	NO
0%	
	IN PROCESSI
0%	
	NOT SURE!
0%	
C	Start the presentation to see live content. For screen share software, share the entire screen. Get help at pollev.com/app

What is	your role in school health?
	Medical Provider (Physician or Advanced Practitioner)
0%	
	Nurse
0%	
	Administrator
0%	
	Educator
0%	
	Social Worker, Case Worker, Dietitian, or Diabetes Educator
0%	
	School Advocate
0%	SEE MORE 🗸
	Start the presentation to see live content: For screen share software, share the entire screen. Get help at pollev.com/app







# "Complex patients require complex solutions"





14





NCH Approach to Equity

Partners for Kids (PFK): Accountable care organization for patients with Medicaid he preference for tild region careful for and



Care Navigation: Extension of PFK for medically complex children



Community Wellness Care Connections – School Health Programs Healthy Neighborhoods, Healthy Families (HNHF) BC4 Teens, Ohio Better Birth Outcomes, Pediatric Vital Signs



rogram



4

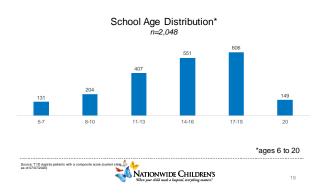


### NCH School Health/Whole Child Model

DASH is a community-based health equity initiative Aims: Decrease acute care utilization and promote optimal glycemic control in school-aged children who are vulnerable to complications of type 1 diabetes imit unnecessary healthcare utilization and increase self-efficacy, confidence, comfort, and independence for children with diabetes management



### **NCH T1D Patient Population**



### NCH Type 1 Diabetes Registry

	Race	Total Number in Registry (% of total)	Number of Stude with Low Scor		
Bla	ack or African American	344 (17%)	126	37%	
As	sian	40 (2%)	6	15%	
Bi	-racial/Multi-racial	100 (4%)	15	15%	
La	tino/Hispanic/Unspecified	39 (2%)	6	15%	
W	hite	1443 (70%)	186	13%	
	ative Haw alian and Other Pacific ander	3 (0.1%)	0	0%	
Ar	merican Indian and Alaska Native	3 (0.1%)	0	0%	
Ot	her	76 (4%)	10	13%	
	Patients of color are disproportionally falling into score, high risk category compared to their count Patients of color are facing significantly more baa raditional care impacting health outcomes School health programs, which bring care to whe			**Diabetes Management Con Score comprised of: A1C score, endo visits, ED visits/admissions, LDL value, blc pressure, CGM use, microalbum hypoglycemia, and diabetic com	ood iin, plication:
Q	patient is located, have sho providing equitable care			Low-score = sub-optimal mana Source: T1D registry patients with a composite score (curre state as of 07/07/2020)	

### **Monitoring Outcomes**



### **Monitoring Outcomes**



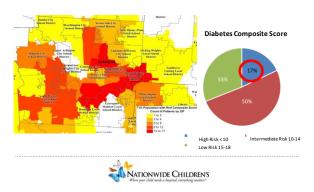
### **DASH Program: Initial Cohort**

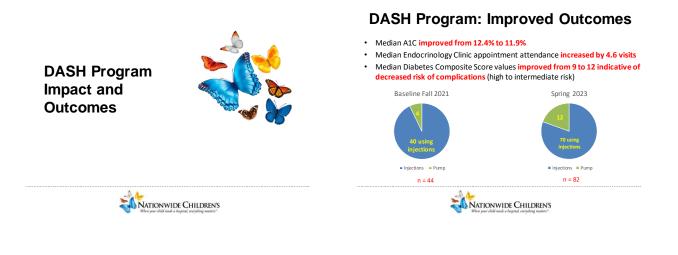


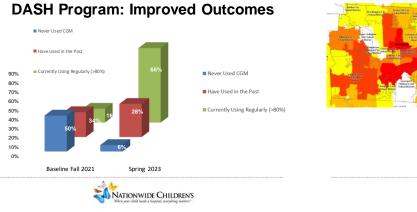


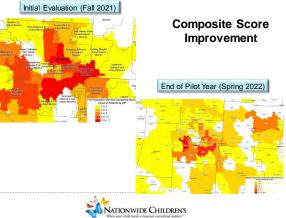


### Patient Distribution by Composite Score

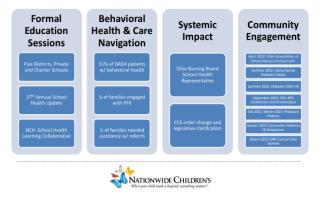








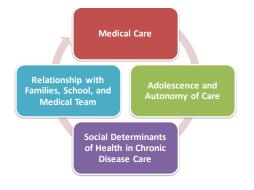
7



#### Educational, Psychological & Systemic Outcomes

#### **DASH Program Expansion Model** INCREASED EXPANSION OF DASH MEDICAL and ADMINISTRATIVE STAFF 02 04 Year 4 • Include qualitative measures for applicatic • Continue data & condu progress evaluation • Inclusion of multidisciplinary care ve (SW, Behavioral Health Year 2 • Continue with high-risk • Consider programming specific to newly diagnosed children • Continue data collection 01 + Continued Expansion Inclusion of students with moderate Diabetes Composite Score Year 1 Focuson high-risk Emphasison data collection and outcome measurement Year 3 Year 3 mul • Include qualitative (SW measures for application • Continue data collection • Inclusion of multidisciplinary care (SW, Behavioral Health) care Hoalth' Analyze program for areas of best practices 30 NATION WIDE CHILDREN'S

# **Complexities of Diabetes Care**







Small groups will work though real challenges in T1D care in schools, DASH team will share effective strategies and lessons learned



# Building a chronic disease school health program



Identifying challenges, partnerships, and implementation strategies



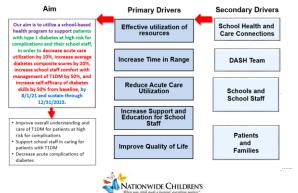
### **Program Development**

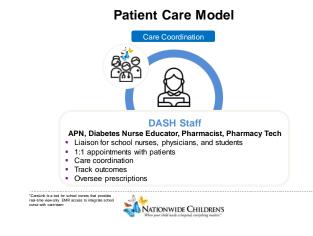
Ne	eds Assessment			
•	Understand district and school policies, nursing legislation, local SHBC's kdentify areas of opportunity and gaps (schools, clinics, families) Collaborate with local clinics to understand patient needs (focus groups, survey data, etc)	Resources, Feasibilit School Staff Availability Clinic Staff Outreach Availability Funding for additional resources Support from school and regional leadership Grant opportunities	y and Support Program Development • Admin, legal/consents, marketing, finances • Training for personnel • Data collection and outcomes assessment • Ongoing education assessments • Ongoing resource allocation	
Res	SOURCES:	A A		

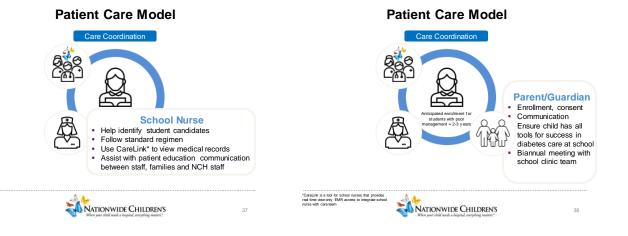
CDC's School Health Index CDC School Health Profiles

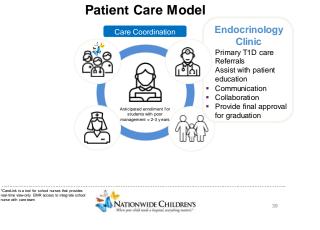
# When your child needs a heapital, everything matters"

### NCH DASH Program QI Framework

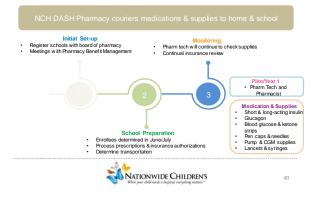












Describe Needs and Health Disparities in the School Population

#### Identify Advocates

School staff and leadership, local medical staf

Create/Build working group

Create partnerships, workflows, and policies

Provide a framework to present t interested stakeholders

# **Ongoing Program Evaluation**



Centers for Disease Control and Prevention. Framework for program evaluation in public health. MMWR 1999;48 (No. RR-11)





### Thank You for Your Time & Attention!







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#### CME and CE Information

In support of improving patient care, this activity has been planned and implemented by the School-Based Health Alliance and Moses/Weitzman Health System, inc. and Its Weitzman Institute and Is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCHE), the Accreditation Council for Pharmacy Education (ACPE) and the American Nurses Credentialing Center (ANCC), to provide continuing education for the boothcrace team. education for the healthcare team.

Through Joint Accreditation, credits are also available under the following bodies: • American Academy of PAs (AAPA) • American Dental Association's Continuing Education Recognition Program (ADA CERP) • American Psychological Association (APA) • Association of Social Work Boards (ASWB) • Commission on Dietetic Registration (CDR)

2

## **Resources**

- ADDRESSING framework of cultural identity: https://thinkculturalhealth.hhs.gov/.
- . Nationwide Children's Hospital: A Guide for Driving Improvement.
- Institute of Medicine (US) Committee on Comprehensive School Health Programs in . Grades K-12 Allensworth D, Lawson E, Nicholson L, et al., editors. Schools & Health: Our Nation's Investment. Washington (DC): National Academies Press (US); 1997. Appendix B, Guidelines for Comprehensive School Health Programs. Available from: https://www.ncbi.nlm.nih.gov/books/NBK232686/
- CDC School Health Profiles: Profiles Overview | DASH | CDC
- Research Brief: Addressing the Needs of Students with Chronic Health Conditions: Strategies for Schools (cdc.gov) •
- School Health Services | Healthy Schools | CDC
- . Whole School, Whole Community, Whole Child (WSCC) | Healthy Schools | CDC .
- Home ETR



# **Questions/Discussion**









NATIONWIDE CHILDRENS