

# Using *AsthmaID* to Identify Students with Asthma in Chicago Public Schools



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# Objectives

- Understand the disparities between actual and documented school asthma
- Describe the barriers to reporting school asthma
- Understand role that parents and school clerks play in identifying students with asthma
- Discuss how the AsthmaID program may be adapted for other school settings

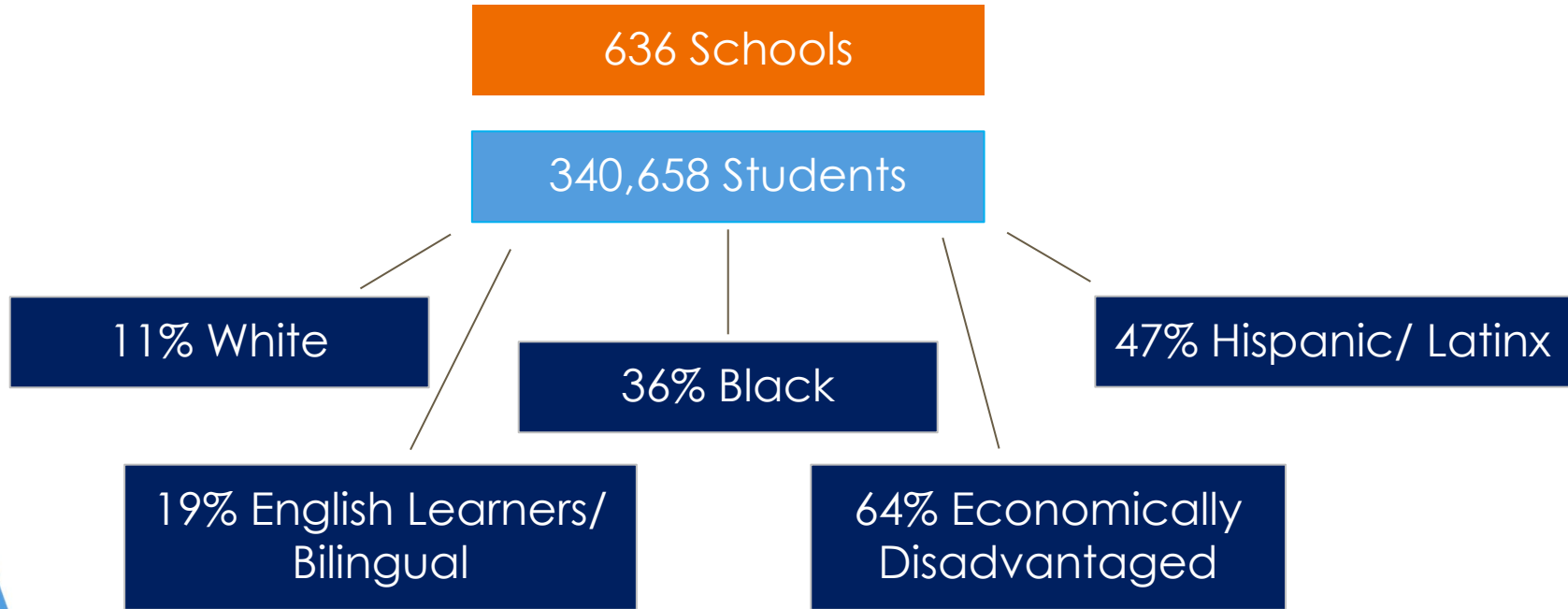
# Chicago Public Schools



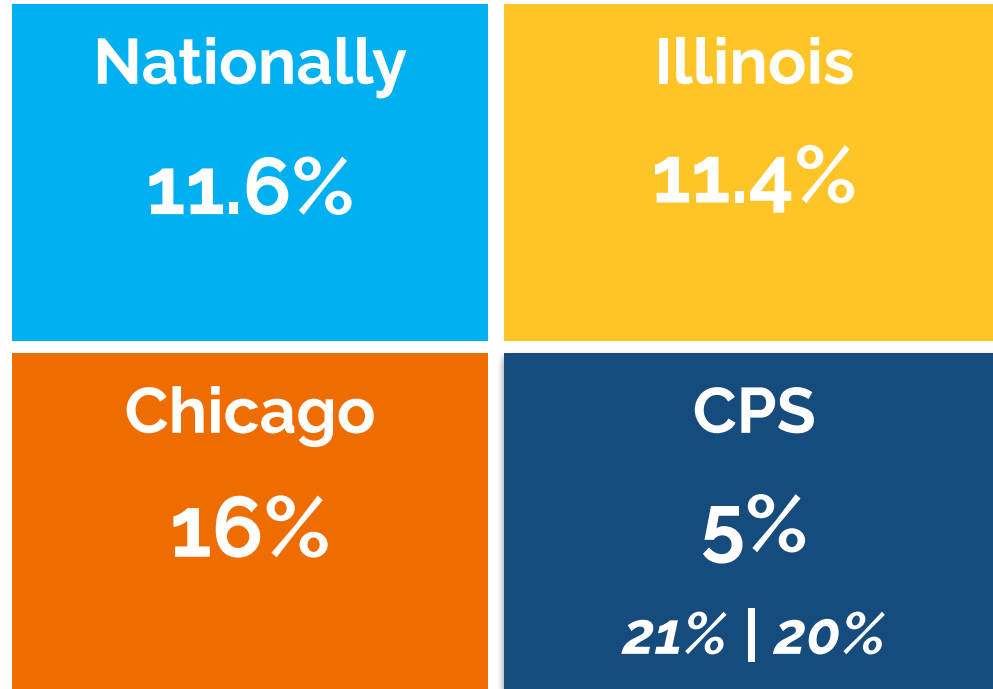
## MISSION

The Office of Student Health and Wellness aims to remove health-related barriers to learning and advance health equity in Chicago.

# Chicago Public Schools



# Asthma: Lifetime Prevalence



currently

**16,856 students**

could be

**54,505 students**

unidentified

**37,649 students!**

# Effects of Underreporting

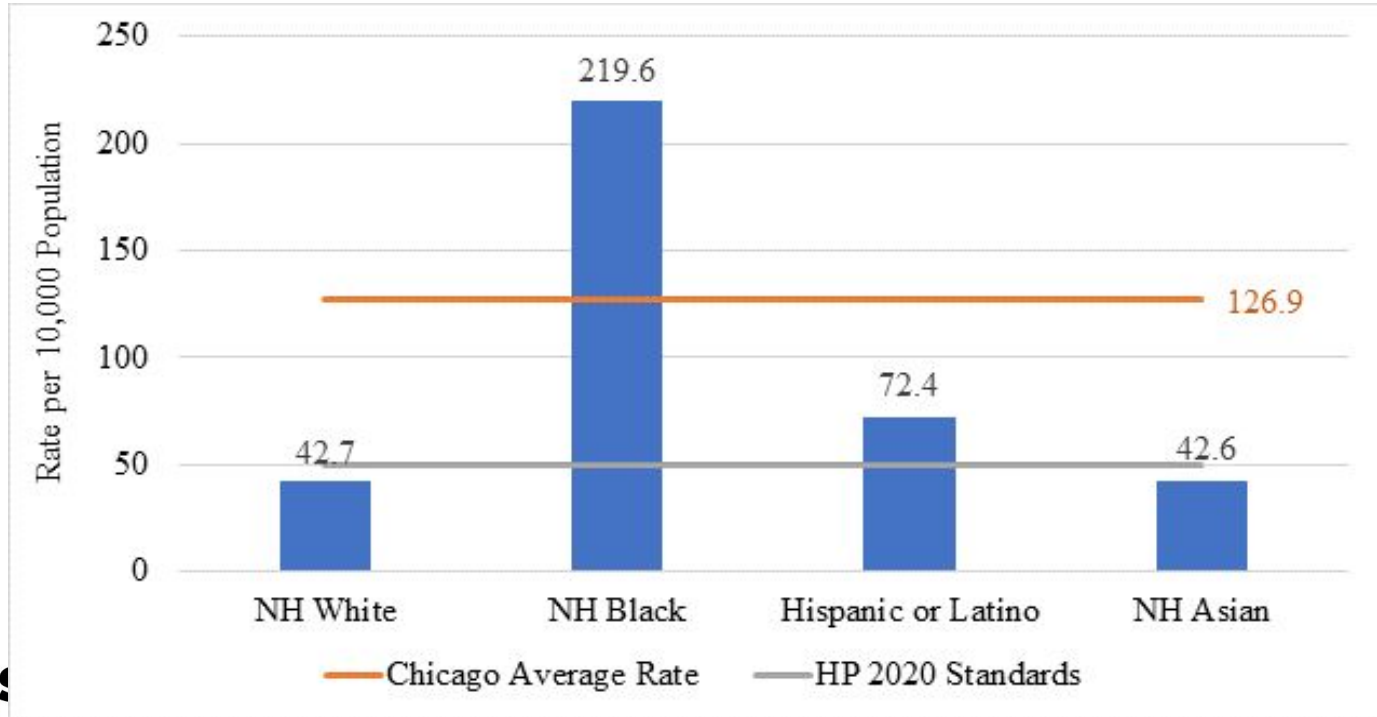
Under-identification & Underreporting

Suboptimal school asthma management

Increased asthma ED visits

Overall health disparities with childhood asthma

# Chicago Rate of Childhood Asthma ED Visits by Race/Ethnicity, 2017





# Reasons for Underreporting

## Complex documentation process

- Four steps to reporting
- Requires extra visits to medical provider

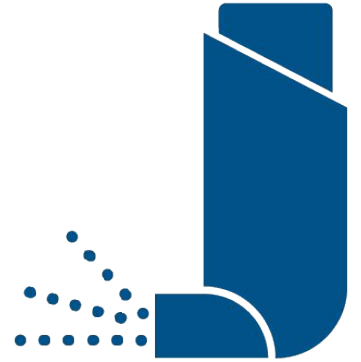
## Inconsistent school to parent communication

- Exacerbated by **limited nursing availability**

## Limited access and utilization of resources

- Healthcare, transportation, community support

## Limited parental knowledge of the process



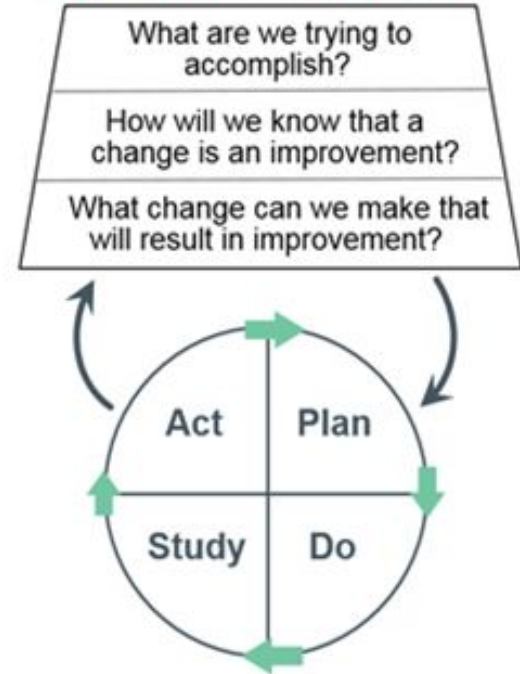
# **Purpose of *AsthmaID***

Increase reporting of asthma conditions to help improve school management of asthma through comprehensive trainings for parents and school clerks

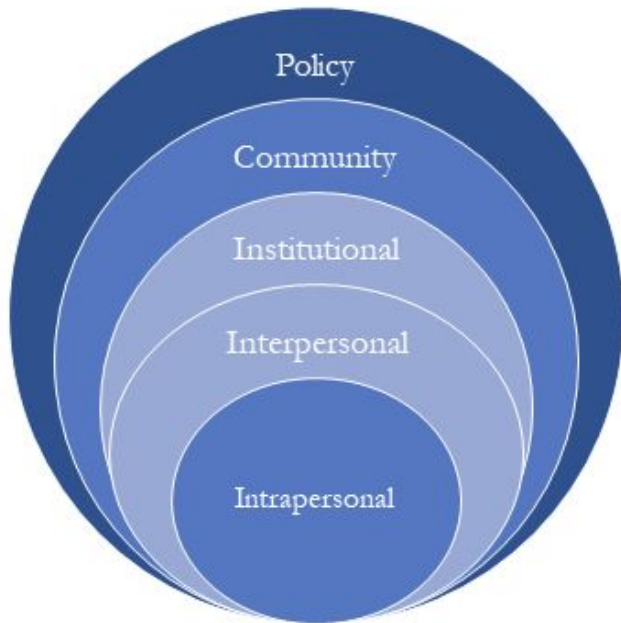
# Model For Improvement

1. Improved school asthma management through increased reporting to schools
2. Increased knowledge, confidence, and likelihood of reporting
3. Working with community partners on trainings and resource binder

## Model for Improvement



# Socioecological Model (SEM)



- Culturally tailored
- Targeting school clerks and parents
- Educating on organization's reporting process
- Engaging community partners
- Ensuring CPS policy implementation

# Methods: Parent Component

- Training Design
  - Community Partners
  - Culturally-tailored
- Outreach
  - School & community
- Delivery
  - Virtual Sessions
  - Simultaneously English & Spanish

## The 4 Steps of Reporting Asthma



[cps.edu/HealthyCPS/Chronic-Conditions](https://cps.edu/HealthyCPS/Chronic-Conditions)

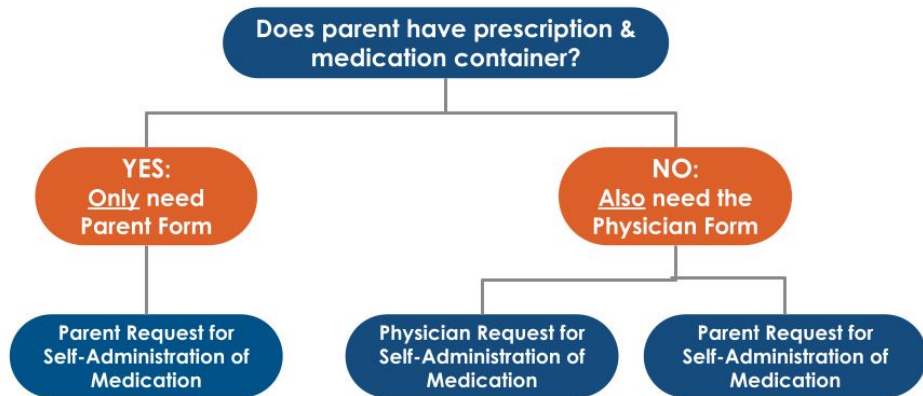
This video details why and how to report your student's asthma condition

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HEALTHY CPS

13

# Methods: Clerk Component

How can a Student Carry and Self-Administer their Asthma Inhaler?



HEALTHY CPS

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- Training Design
  - Clerk Ambassadors
- Outreach & Incentives
  - Decals, Certificates
  - Clerk Community
- Delivery
  - 2 Virtual Sessions

# Methods: Binder Component

- Design
  - Partners
  - Bilingual
- Distribution
  - Trainings
  - Community Partners

[bit.ly/AsthmaIDBinder](https://bit.ly/AsthmaIDBinder)

The screenshot shows a 'Table of Contents' page with a blue header bar. The page lists various resources with page numbers. A blue bar is partially visible over the right side of the page. Below the screenshot, there are additional details about School-Based Health Centers (SBHCs).

**Table of Contents**

**CPS Resources**

**Steps of Reporting a Student's Asthma Diagnosis** 3  
*Be an advocate for your student and follow these 4 steps to report their asthma condition to your school!*

**List of Forms Needed for Reporting Asthma**  
*This list includes the forms needed to report your school.*

**Children and Family Benefits Unit**  
*CFBU helps you with enrolling and utilizing bene*

**School-Based Health Centers (SBHCs)**  
*Access medical care at these school-based he*

**Community Resou**

**Mobile Care Vans**  
*These mobile care vans have listed asthma ser*

**South Side Pediatric Asthma Center**  
*Asthma information and access to care, espec*  
*South Side of Chicago.*

**Respiratory Health Association**  
*Free asthma management and education pro*  
*a digital asthma resource library.*

**FGHC Map**  
*Use this map to find a Federally Qualified Healt*

**More Informati**

**CPS Policies Related to Asthma School Manag**  
*CPS Chronic Conditions Management Polic*  
*CPS Administration of Medication Policy*

**School-Based Health Centers (SBHCs)**  
Access medical care at these school-based health centers.

**Call the number listed for more information.**

The following SBHCs are open to the community, regardless of enrollment at CPS.

<b>Esperanza Health Centers</b> Hilbard Elementary 6550 S Richmond St. Chicago, IL 60629 773-584-6200	<b>Heartland Health Centers</b> Davis N Elementary 4930 N. Sawyer Ave. Chicago, IL 60625 773-336-6100	<b>UI Health</b> Davis N Elementary 3050 W. 39th Place Chicago, IL 60632 312-413-3090
<b>Erie Family Health Centers</b> Johnson Elementary 1420 S Albany Ave. Chicago, IL 60623 312-666-3494	<b>PCC Community Wellness Center</b> Steinmetz HS 3030 N Mobile Ave. Chicago, IL 60634 773-622-5679	Drake Elementary 2710 S Dearborn St. Chicago, IL 60616 312-355-5746
Ward L Elementary 646 N Lawndale Ave. Chicago, IL 60624 312-666-3494	Englewood Stem HS 6835 S Normal Blvd. Chicago, IL 60621 312-355-5801	

The following SBHC is open to any CPS student.

**Rush University Medical Center**  
Simpson HS  
1321 S Paulina St.

# AsthmaID Training Attendee Information

## Clerks

- 76 completed training
  - 68 attended live
  - 8 watched recording
- 65 different schools
- 63 completed survey
- 14 geographical networks

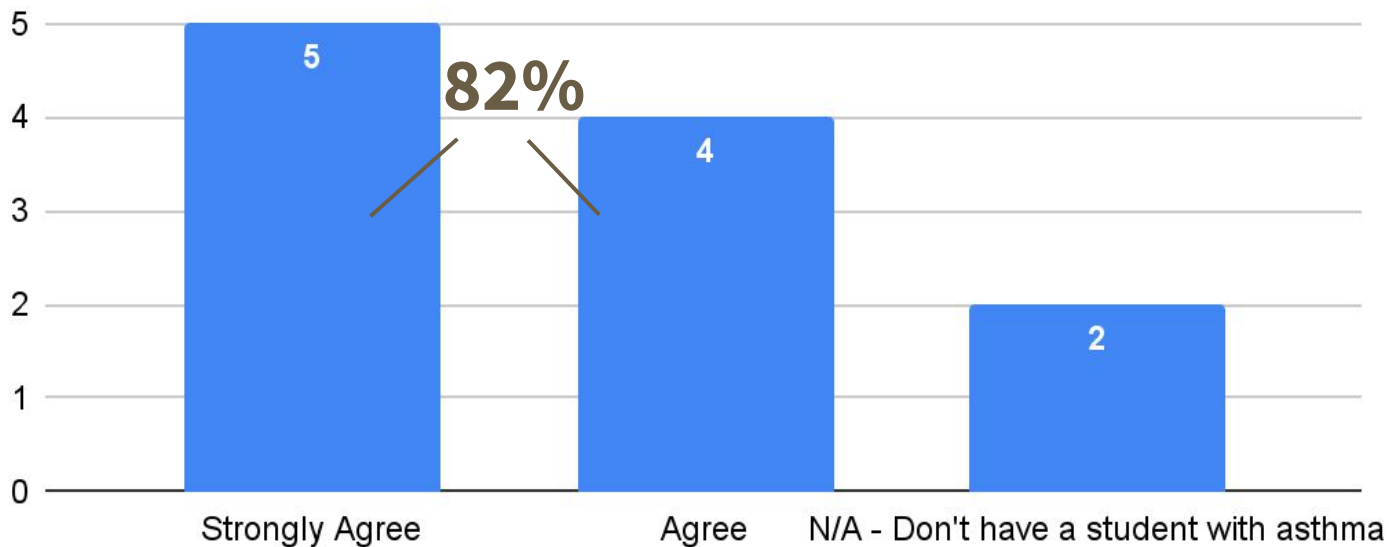
## Parents

- 18 total attendees
  - 16 parents
  - 2 teachers
  - 15 SP, 3 EN
- 11 parents completed surveys
  - 10 SP, 1 EN



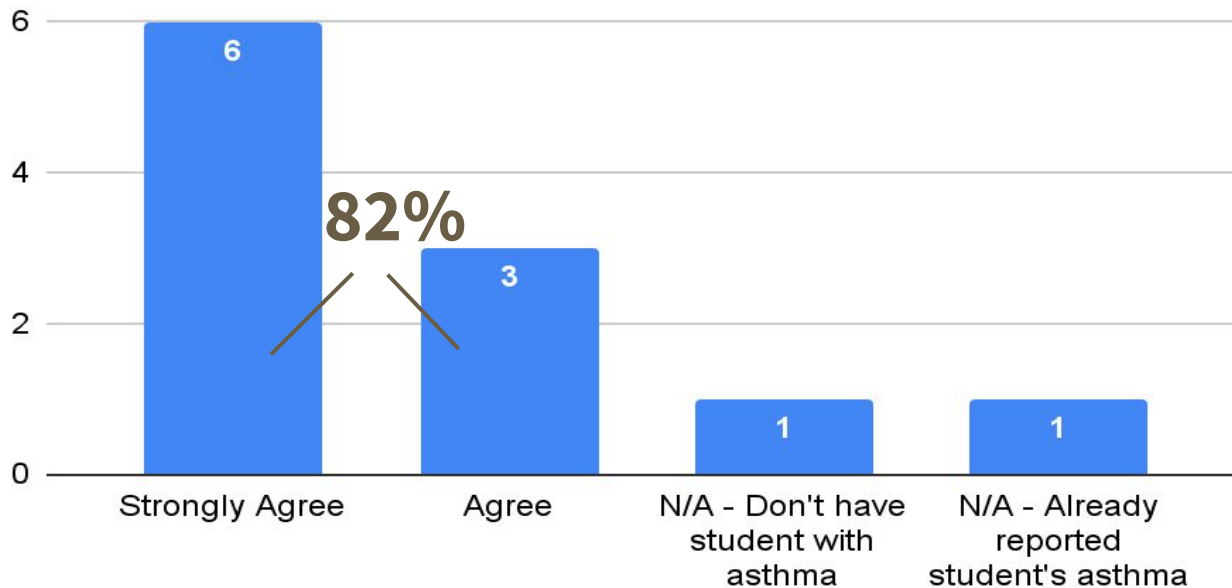
# Results - *AsthmaID* Parent Trainings

Increased Confidence in Ability to Report Asthma Post Training

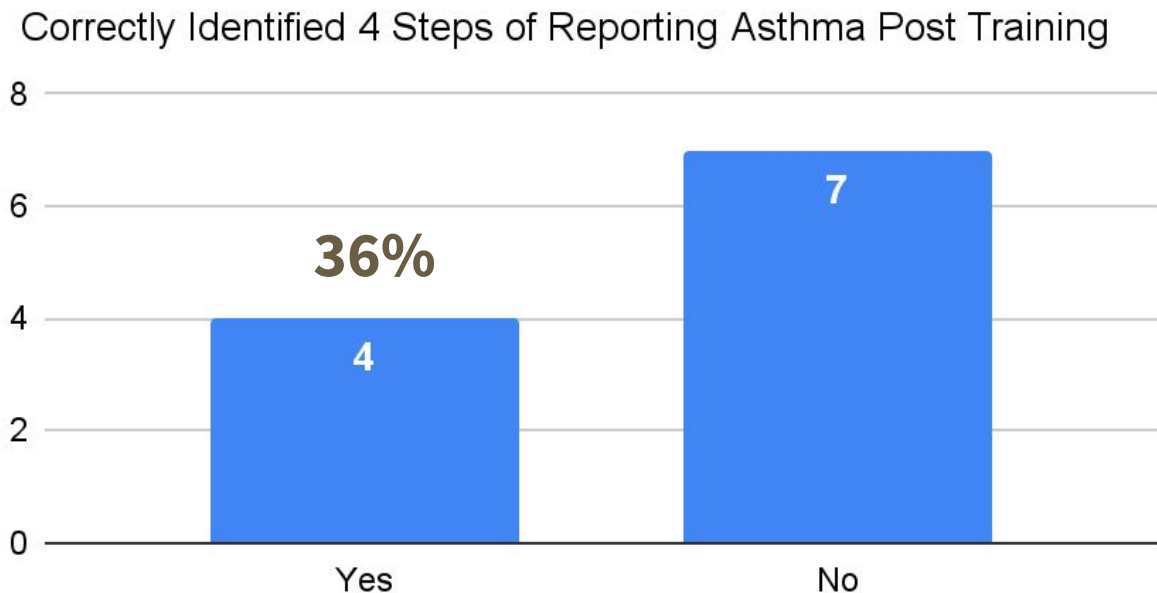


# Results - *AsthmaID* Parent Trainings

Increased Likelihood to Report Asthma Post Training

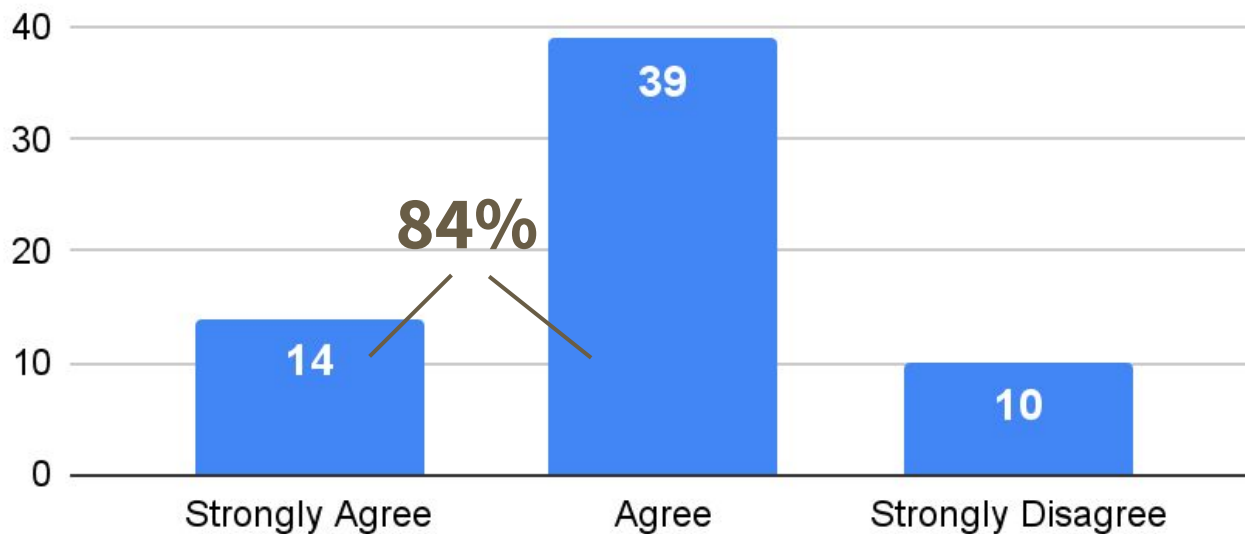


# Results - *AsthmaID* Parent Trainings

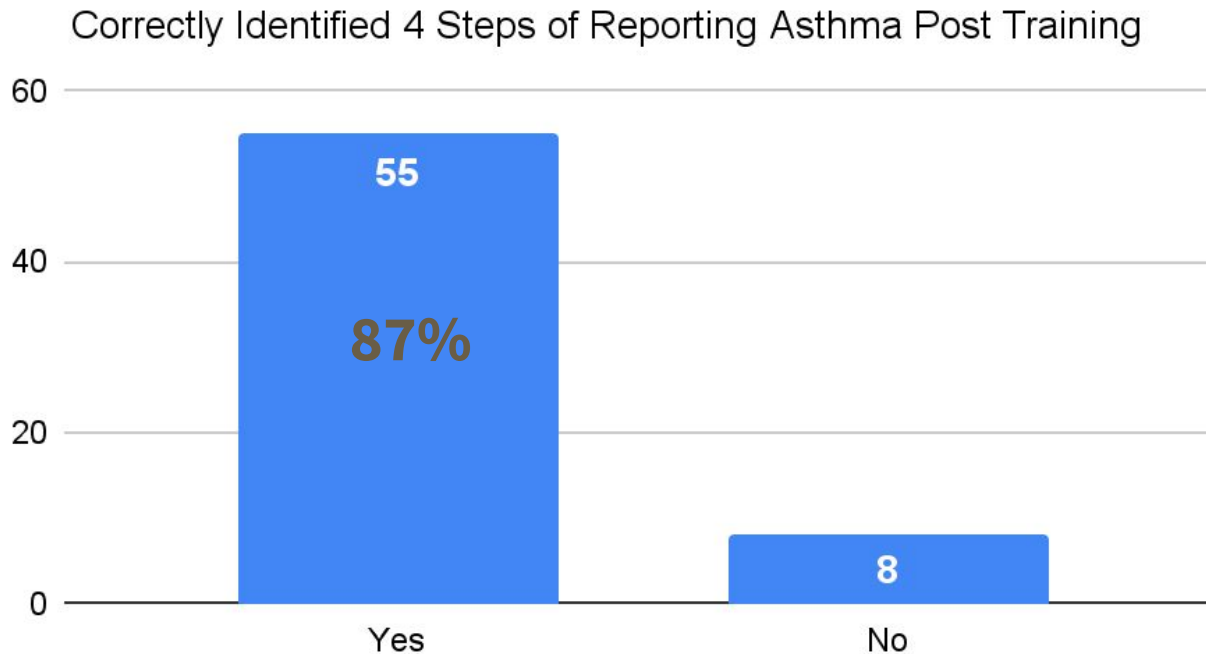


# Results - *AsthmaID* Clerk Trainings

Increased Confidence in Ability to Assist Parents in Reporting  
Post Training



# Results - *AsthmaID* Clerk Trainings



# Lessons Learned & Next Steps

## Relationship with school clerks is vital to the reporting process

- Especially with limited nursing availability
- Have parents' trust, are known by school community

## Important to collaborate with partner organizations

- Have a connection with the community
- Help to identify needs and develop content of AsthmaID trainings and digital binder

## COVID-19 highlights need for increased asthma reporting

# Lessons Learned & Next Steps

**Training school clerks and parents on the reporting process increases knowledge, confidence, and likelihood of reporting**

- Based on post-training survey results

**Measuring changes in metrics**

- Percentage of students with reported asthma at CPS

**AsthmaID can be adapted**

- To address reporting of other chronic conditions
- To train other staff on the process of reporting chronic conditions
- To target needs of specific schools and networks

# Questions?

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