



Children's/AISD Student Health Services

School Health Advisory Council
April 6, 2016

Director
Sally Freeman, MSN, RN, NCSN

Medical Director
Stephen Pont, MD, MPH, FAAP

Quality Improvement Consultant
Susan Millea, PhD



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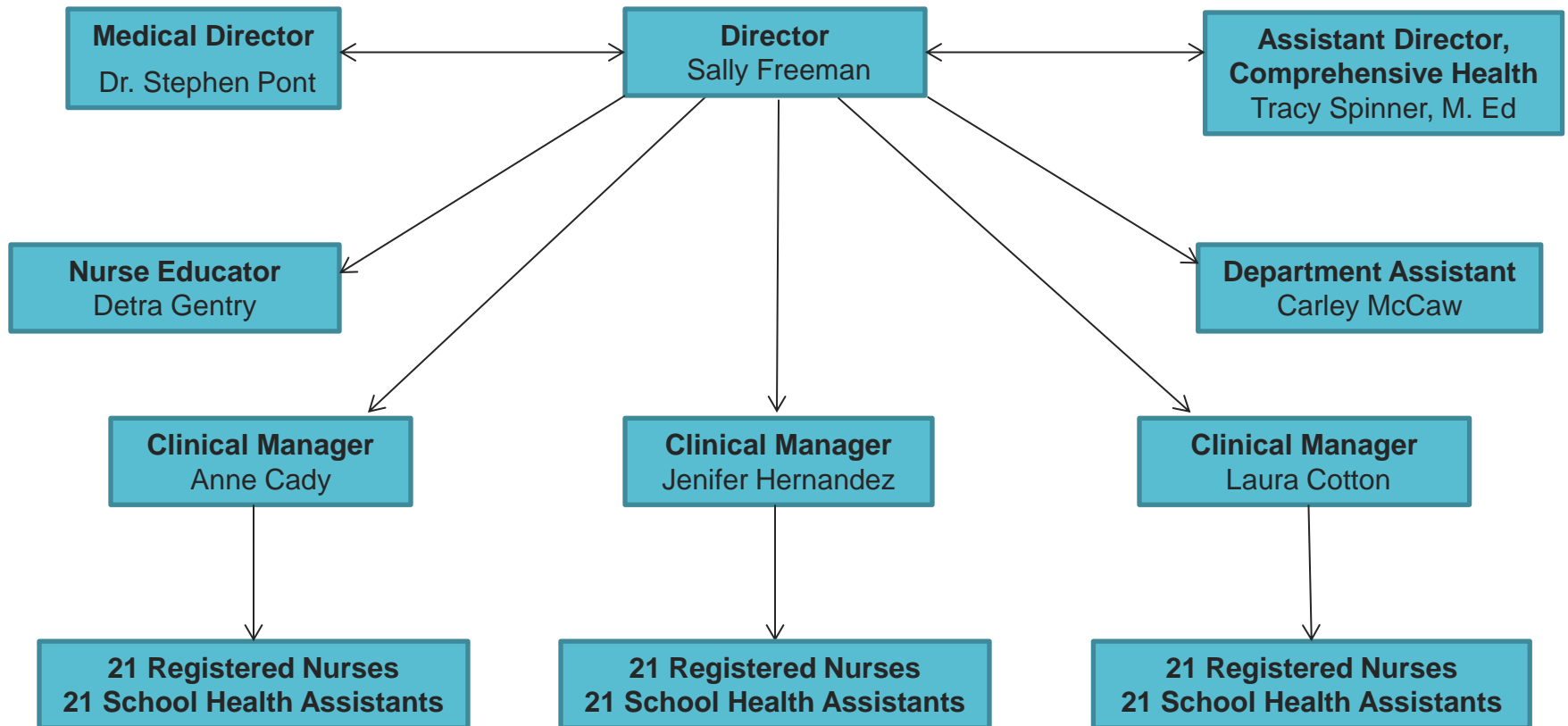
How Did AISD Partnership Begin?

- In 1995, AISD considered eliminating school nurses due to economic challenges
- Hospital system & community voiced concerns regarding increased ED visits & associated costs
- Innovative model in which non-profit hospital system contracts with school district to provide student health services began

AISD Student Health Services

- Seton Healthcare Family contracts with Austin ISD for the provision of student health services.
- Staff include medical director, nursing director, clinical managers, school nurses, & school health assistants.
- Each campus has a Registered Nurse who functions as the leader and coordinator of the student health services team.
- Additional support provided by nurse managers, nursing director & medical director to promote health, wellness, & safety.

Student Health Services Organizational Chart



Acuity Methodology

- Annual analysis to determine number of Registered Nurse & School health Assistant hours each campus will receive
- Schools have option to use local funds to increase Student Health Services hours at their campus
- Criteria for acuity methodology:
 - 30% School enrollment,
 - 10% Economically Disadvantaged
 - 30% Number of students with medical procedures, complex medical conditions
 - 15% Special needs classrooms (PPCD, Pre-K, SBS, PRS)
 - 10% Illness, injury encounters from previous year
 - 5% Medication administration

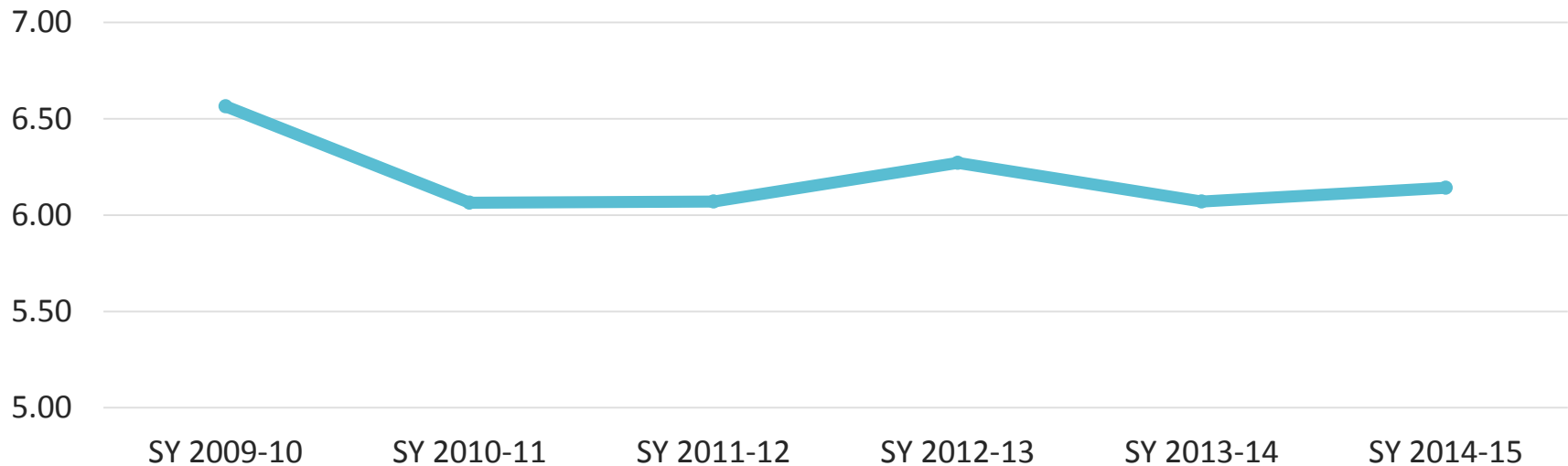
Multiyear Direct Health Contact Rate

Multiyear Direct Health Contact Rate per Student

Total Contacts SY 2014-15: 519,603

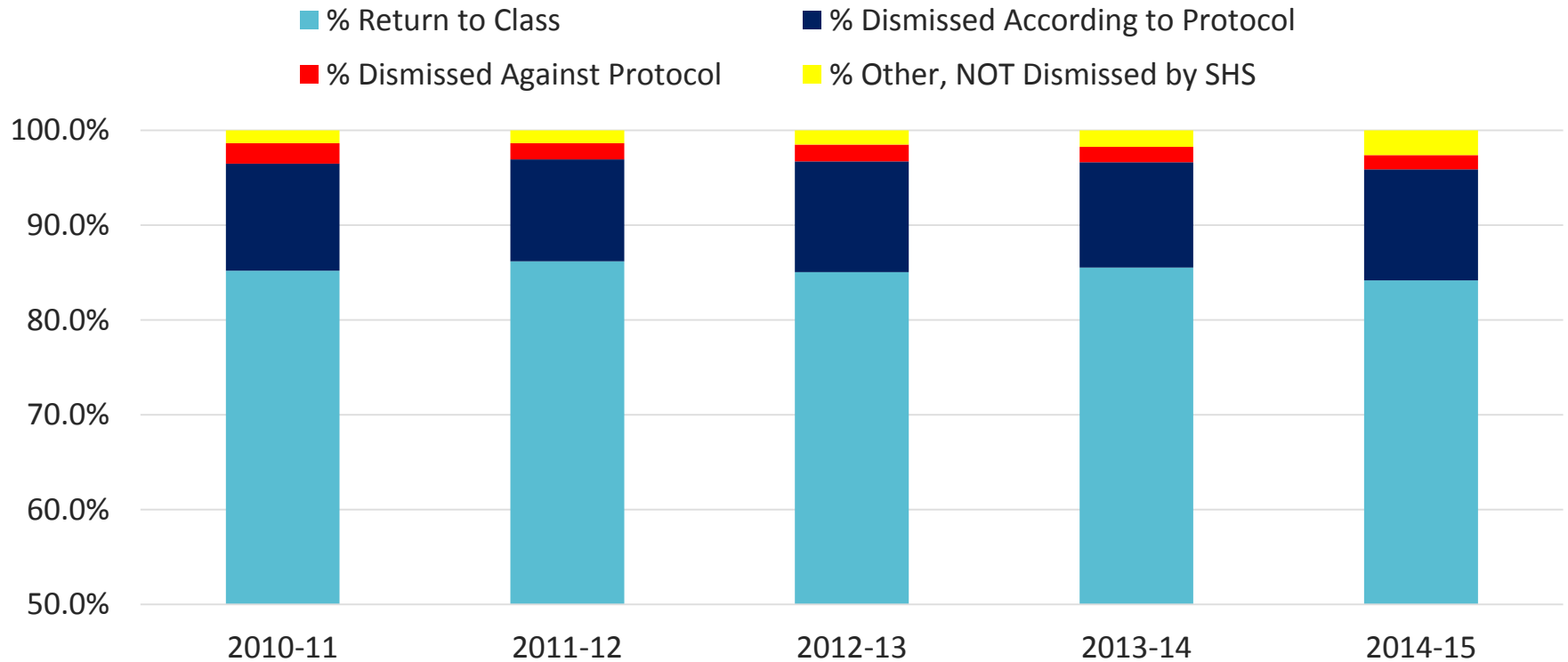
Total Enrollment SY 2014-15: 84,591

(Screenings, Immunization, Teaching, Ill/Injured Contacts,
Medication, Case Management)



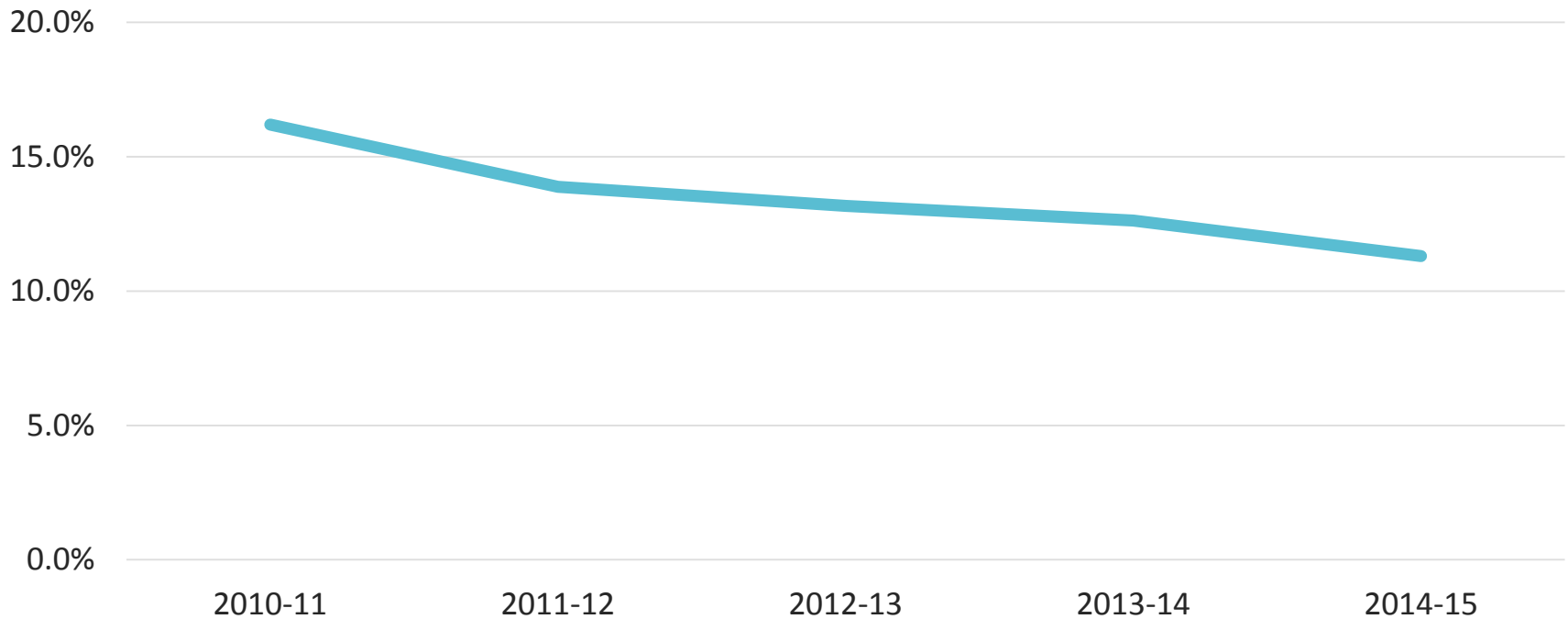
Return to Class Rate

Multiyear Comparison of Cumulative Outcomes for Students Seen for Illness or Injury



Return to Class Rate

**Proportion of All Dismissals Which were
Against Student Health Services Protocol**
SY 2014-15 Count of Dismissals Against Protocol: 3526





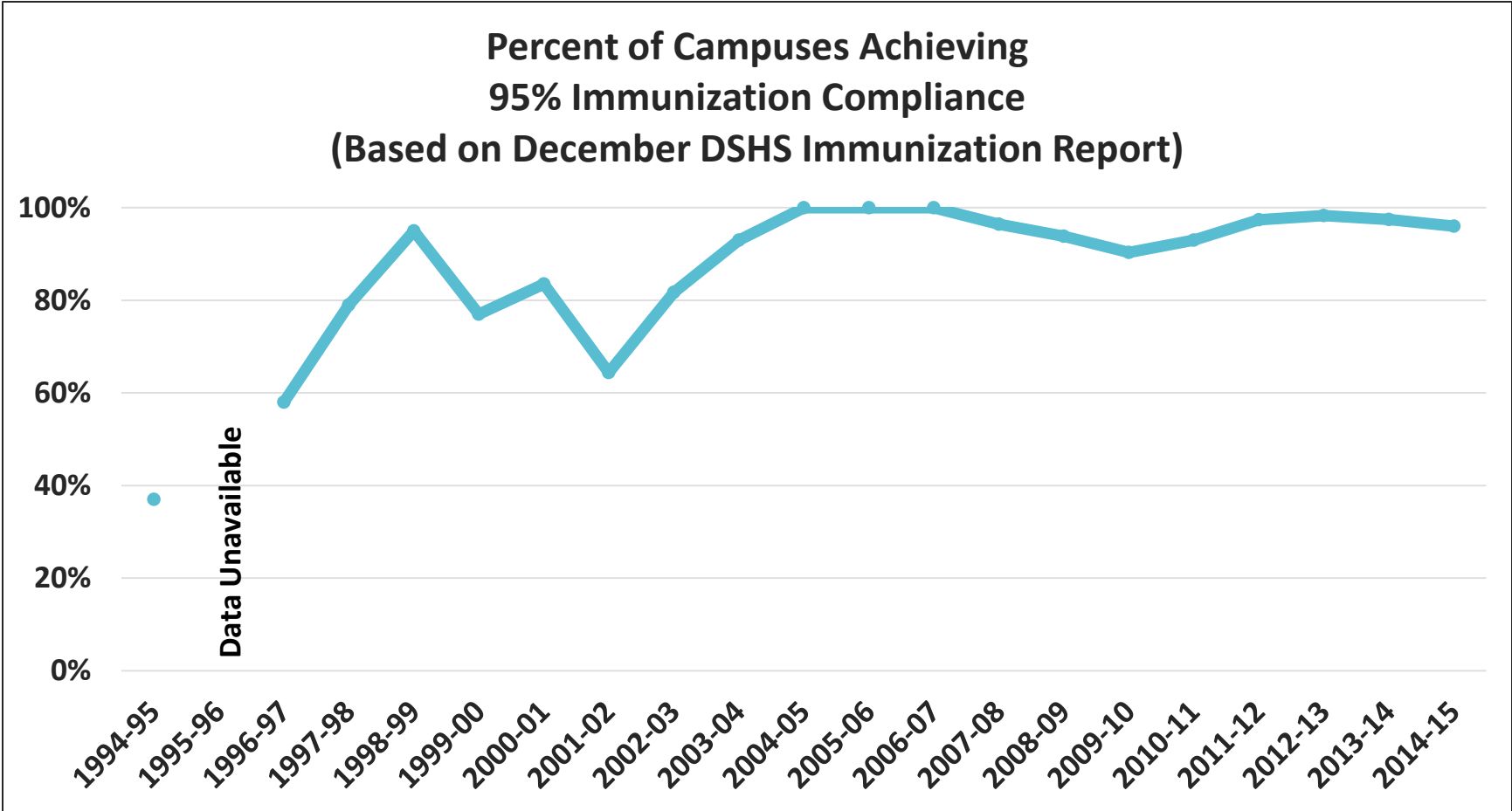
Prevention



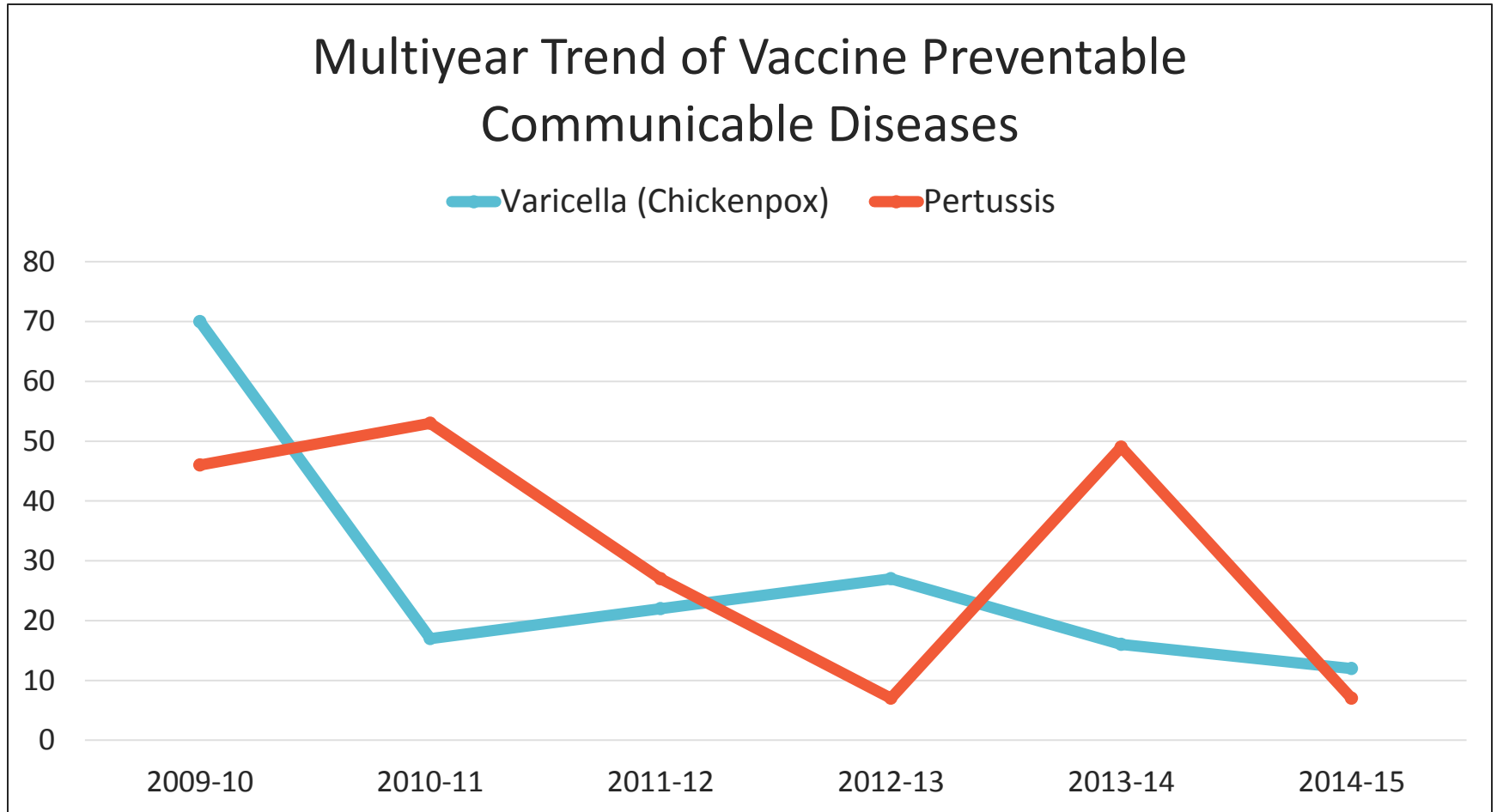
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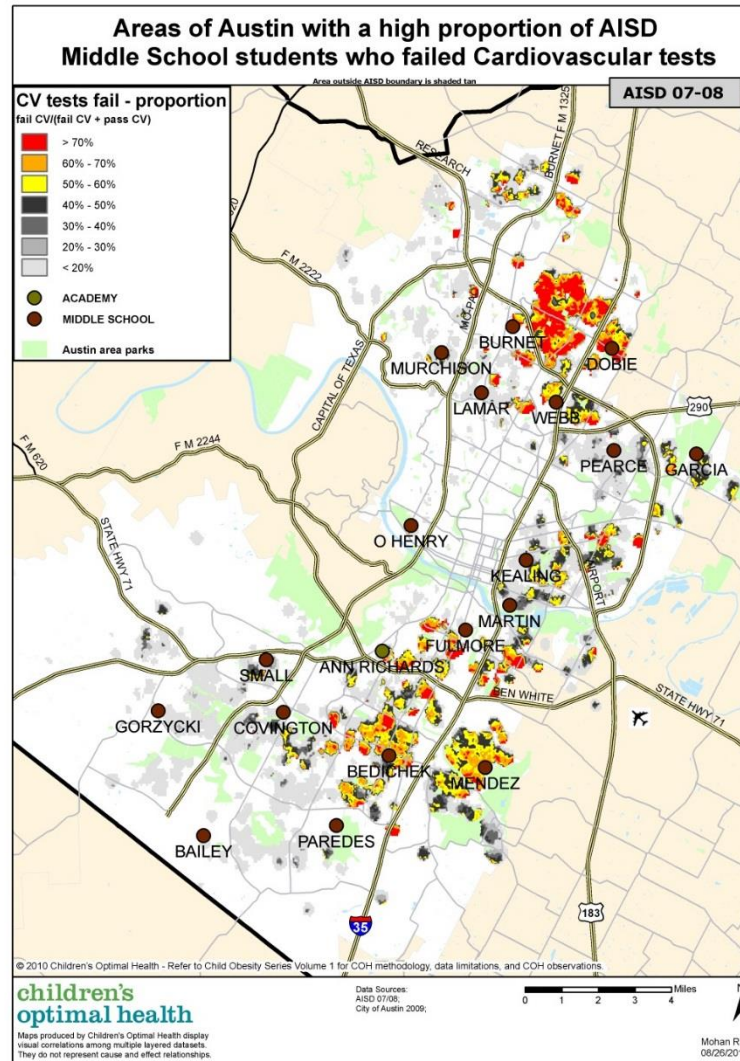
Prevention: Immunization



Reportable Communicable Diseases



Childhood Obesity: Cardiovascular

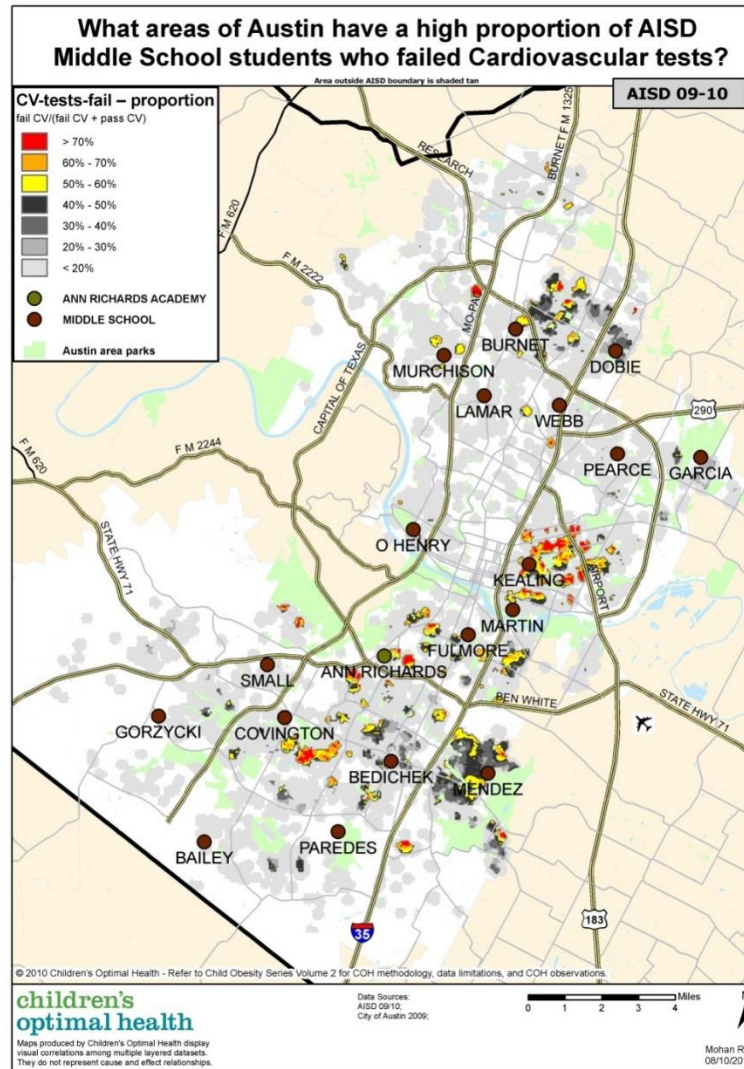


**Middle School
 SY 2007-08**

**Cardiovascular
 42% HEALTH RISK**

Source:
 AISD Fitness tracking

Childhood Obesity: Cardiovascular



**Middle School
SY 2009-10**

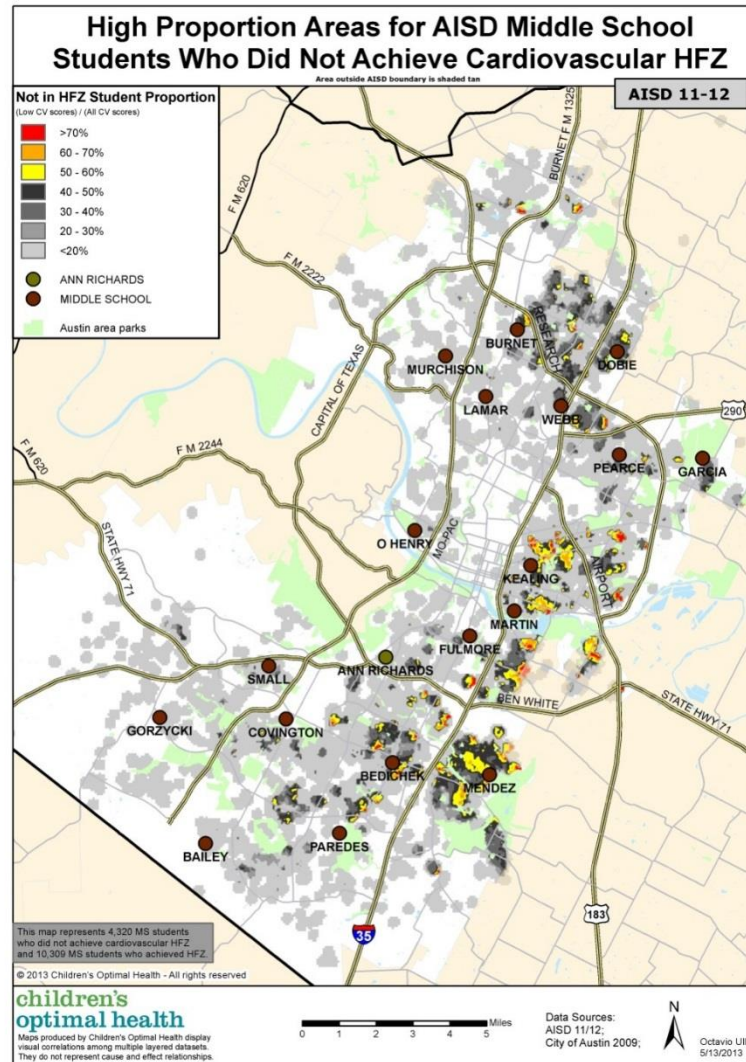
**Cardiovascular
32% HEALTH RISK**

Source:
AISD Fitness tracking

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medical center of central texas

Childhood Obesity: Cardiovascular



**Middle School
SY 2013-14
Cardiovascular*
29% HEALTH RISK**

**SY 2014-15
33% HEALTH RISK**

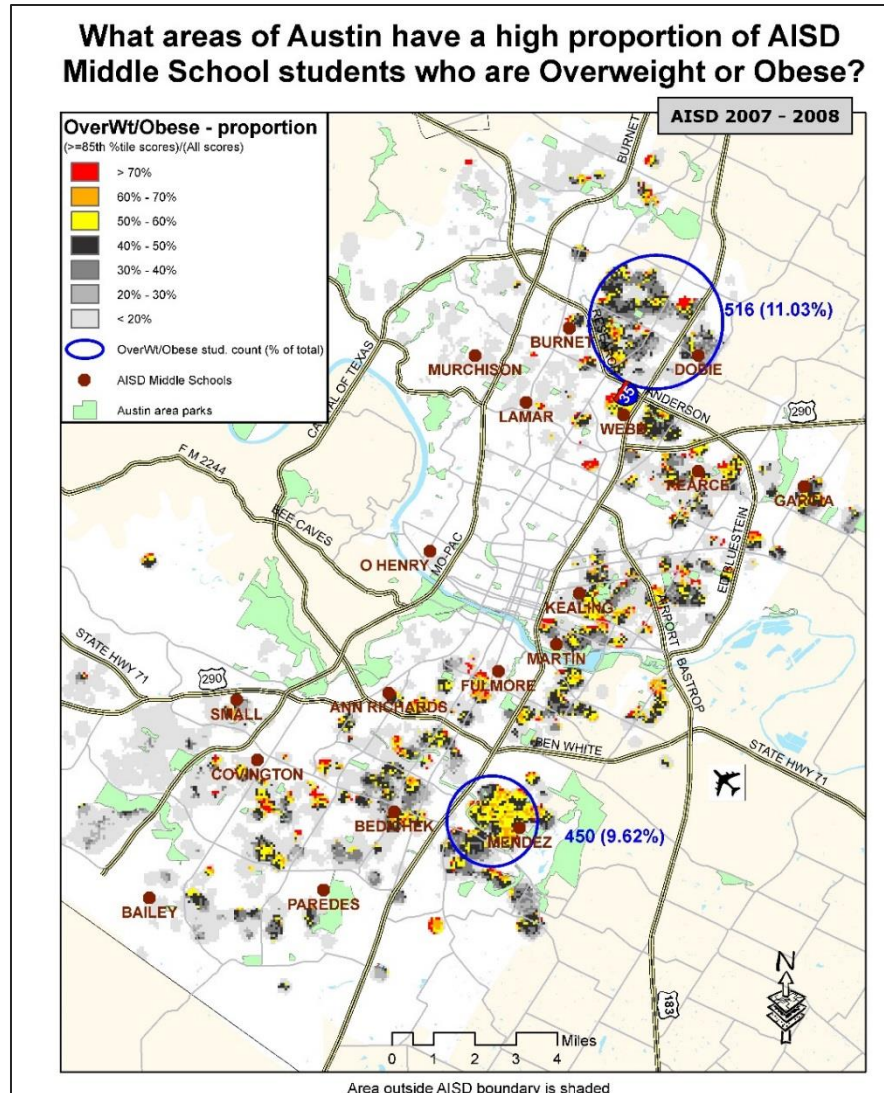
*metric changed from
SY 2009-10

Source:
AISD Fitness tracking

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Childhood Obesity: Body Mass Index (BMI)



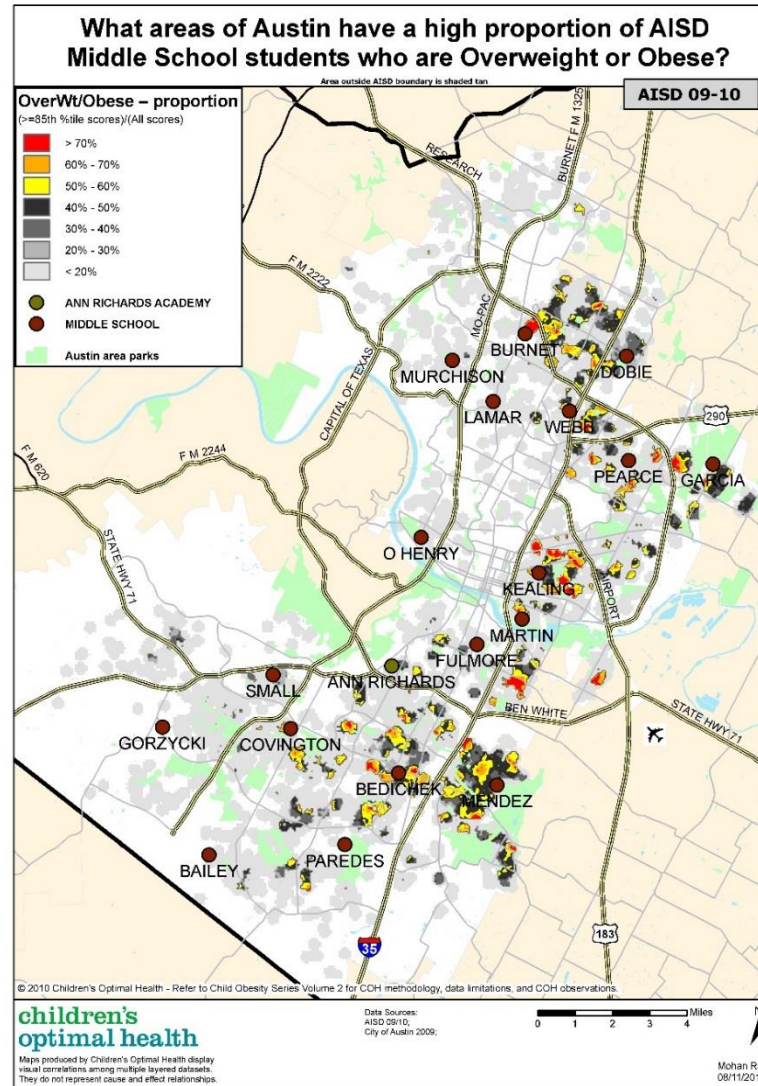
**Middle School
SY 2007-08**

BMI

17% Overweight
 16% Obese
5% Severely Obese
38% HEALTH RISK

Source:
 AISD Fitnesstracking

Childhood Obesity: Body Mass Index (BMI)



**Middle School
 SY 2009-10**

BMI

18% Overweight

15% Obese

5% Severely Obese

38% HEALTH RISK

Source:
 AISD Fitnesstracking

Childhood Obesity: Body Mass Index (BMI)

**Middle School
SY 2007-08**

BMI

17% Overweight

16% Obese

5% Severely Obese

38% HEALTH RISK

**Middle School
SY 2013-14**

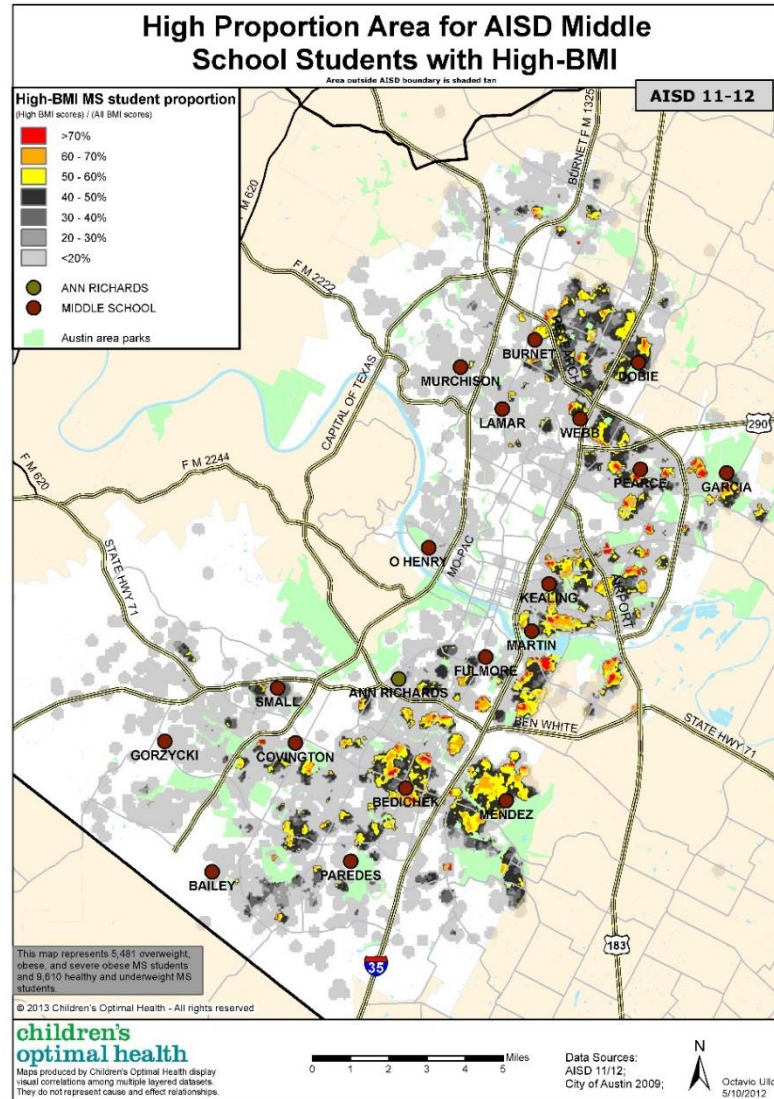
BMI

17% Overweight

15% Obese

4% Severely Obese

36% HEALTH RISK



**Middle School
SY 2014-15**

BMI

17% Overweight

16% Obese

5% Severely Obese

38% HEALTH RISK

Source:

AISD Fitnesstracking

Source:

AISD Fitnesstracking

Source:

AISD Fitnesstracking

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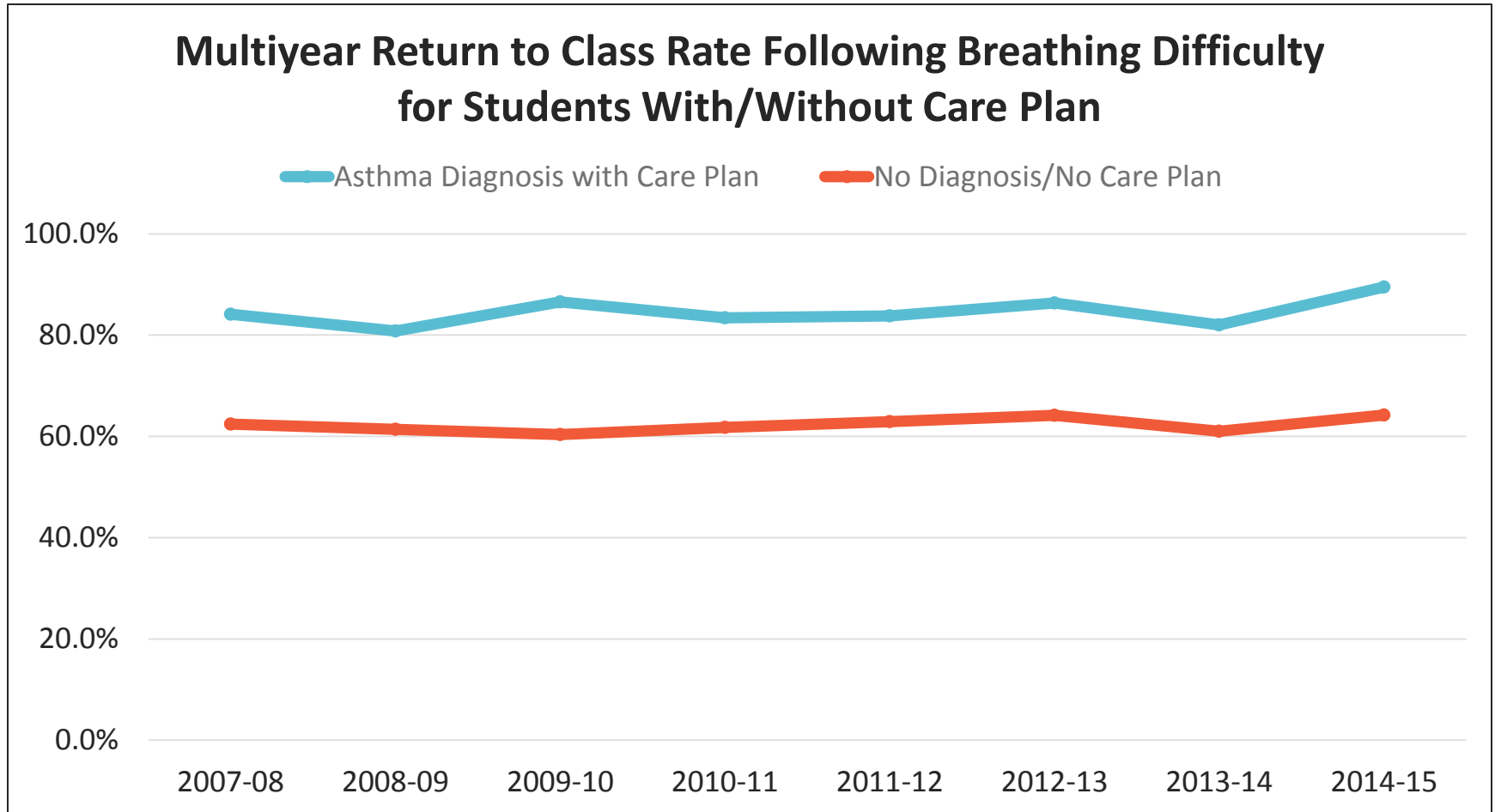
Health Case Management



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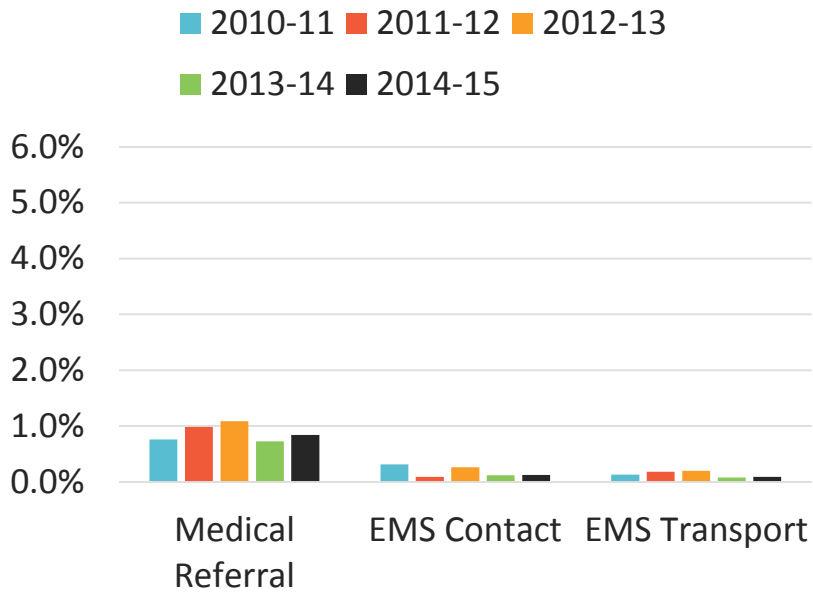


Breathing Difficulty: School Outcomes

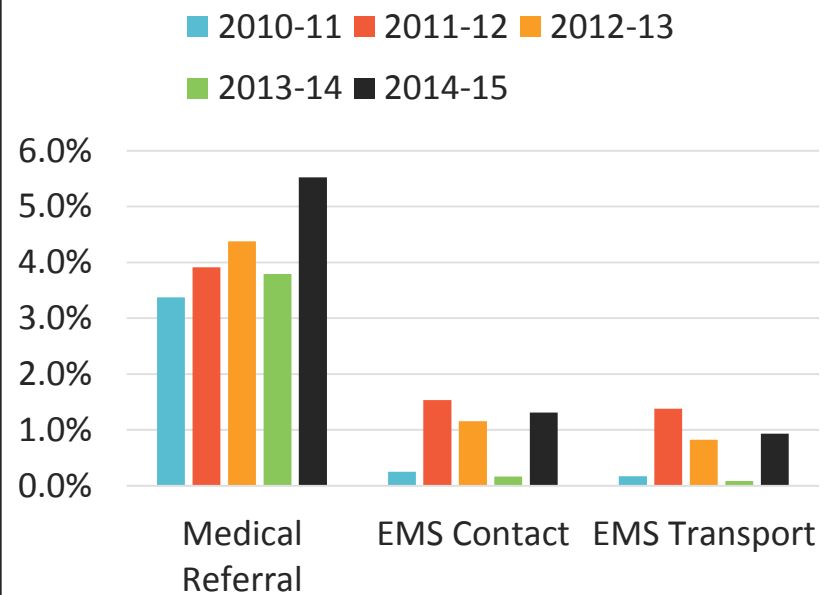


Breathing Difficulty: Health Outcomes

Multiyear Health Outcomes
Following Breathing Difficulty for
Students with Asthma Diagnosis
and Care Plan



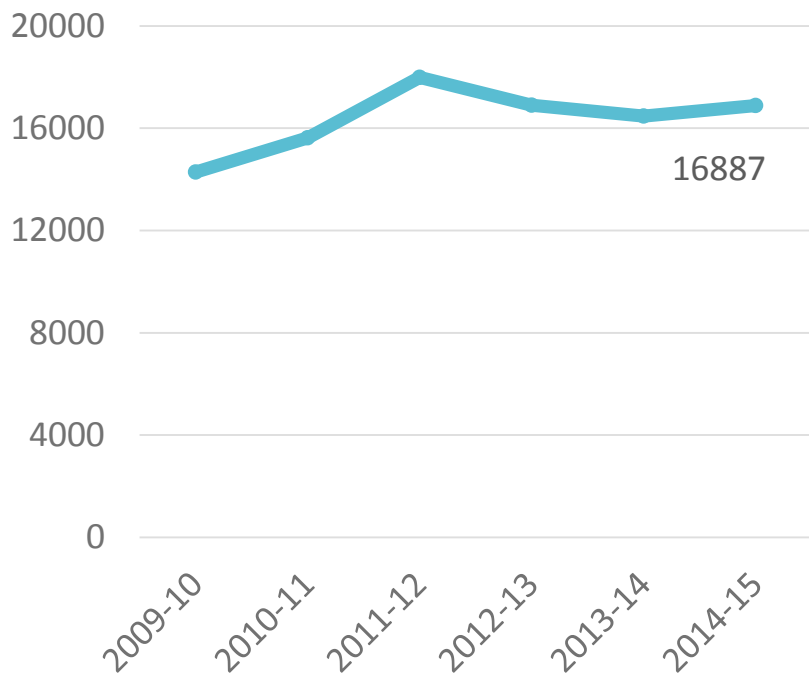
Multiyear Health Outcomes
Following Breathing Difficulty for
Students with No Asthma
Diagnosis/Care Plan



Diabetes Case Management

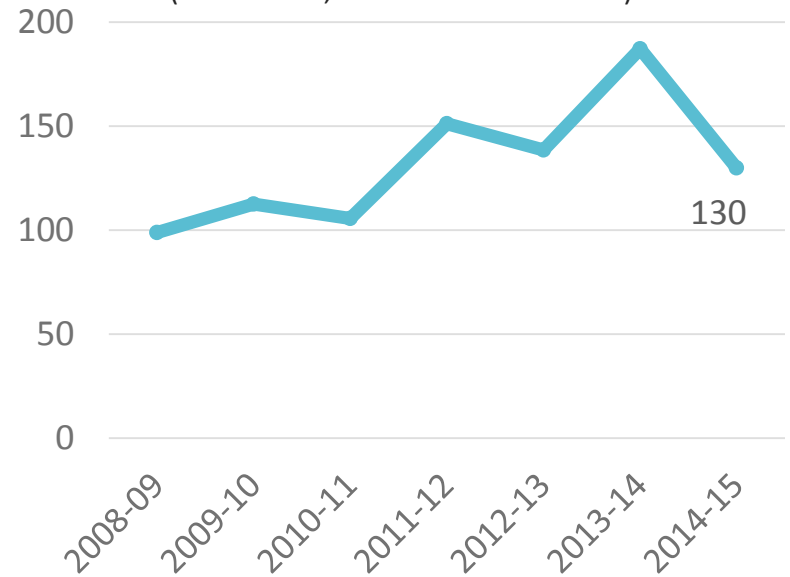
Multiyear Trend of Total Diabetic Health Contacts

(SY 2014-15 N=133 Diabetic Students)

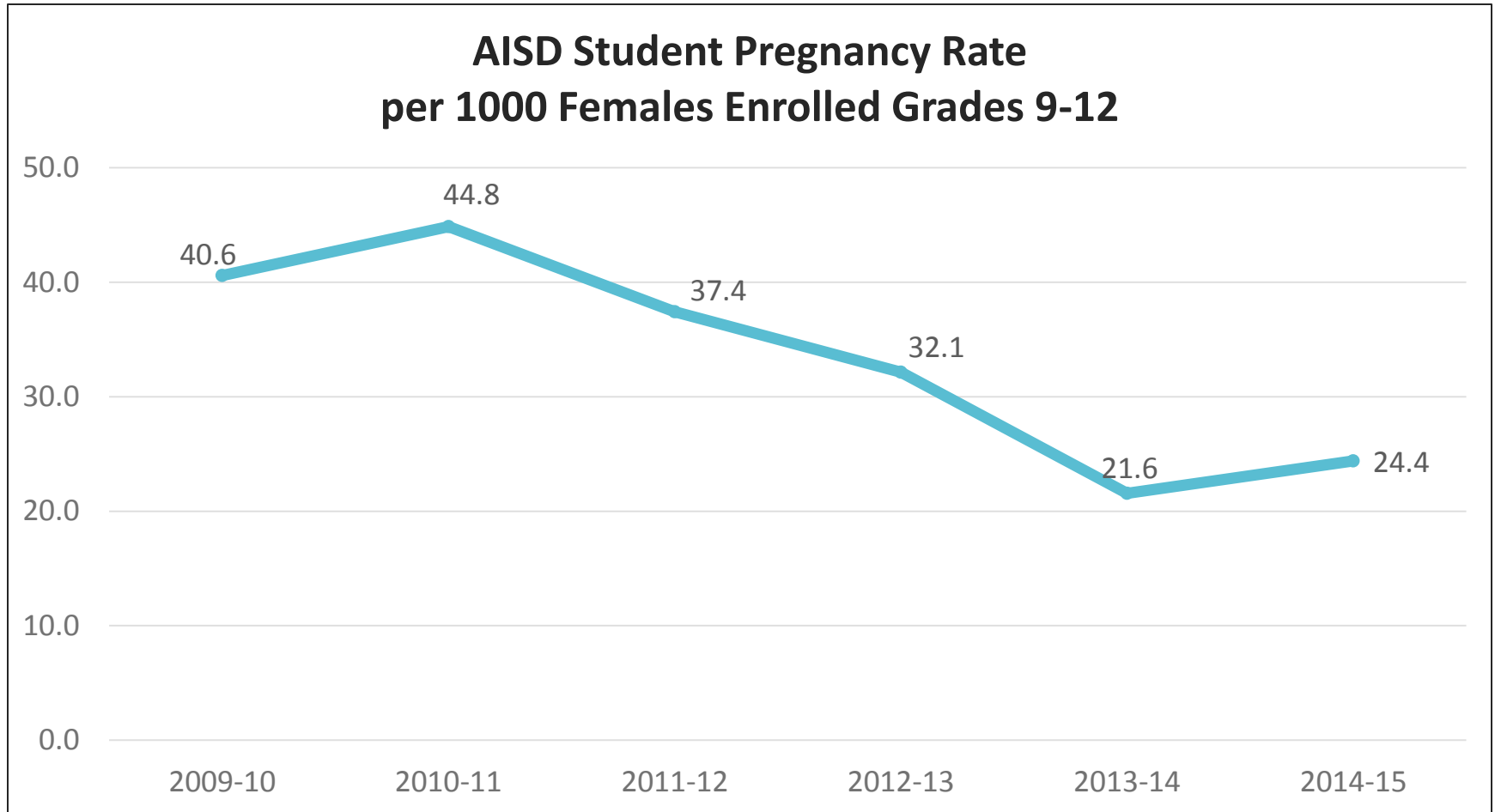


Multiyear Trend of Diabetic Health Contacts per Diagnosed Student Receiving Case Management

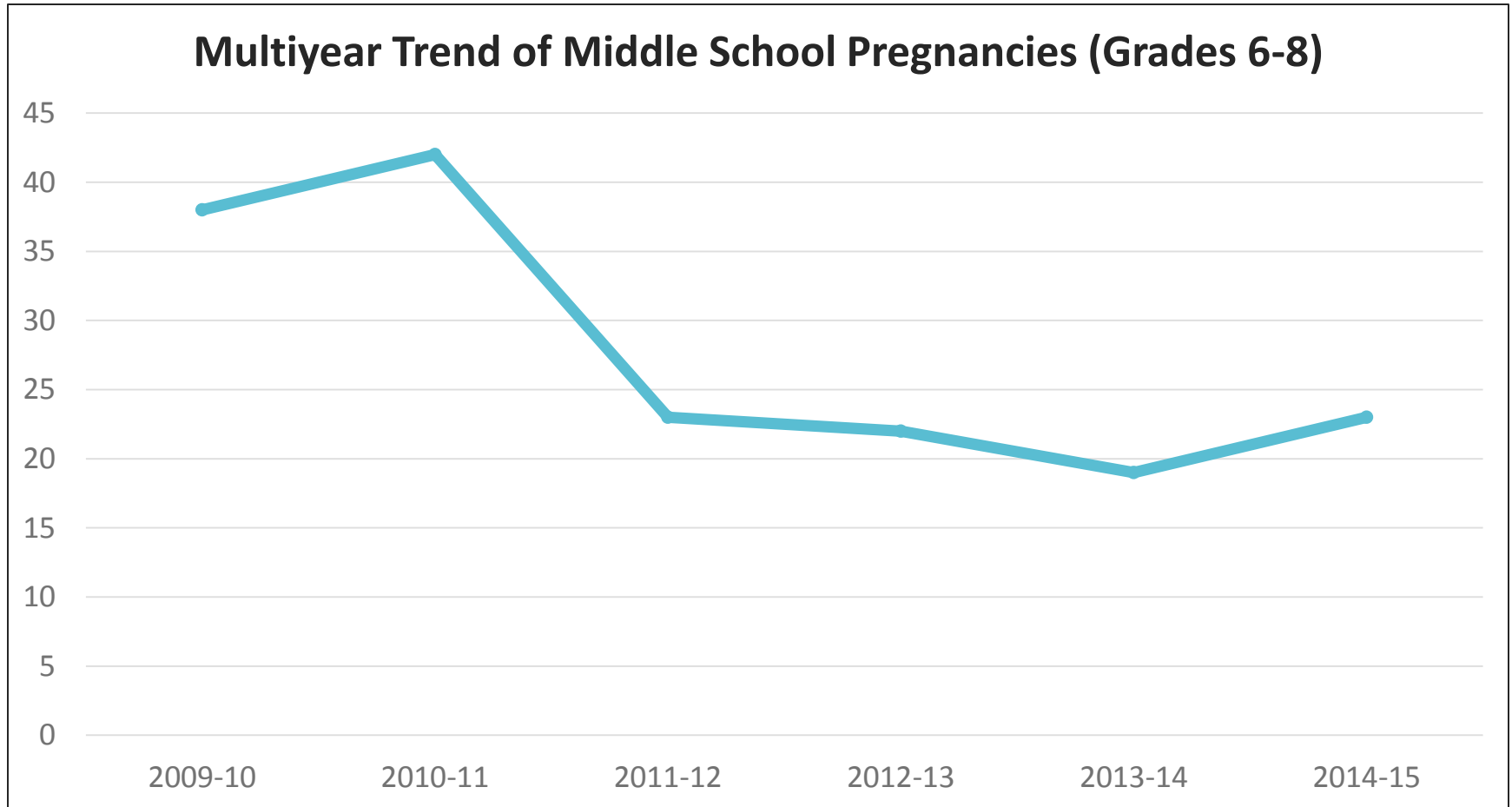
(SY 2014-15, 130 Diabetic Students)



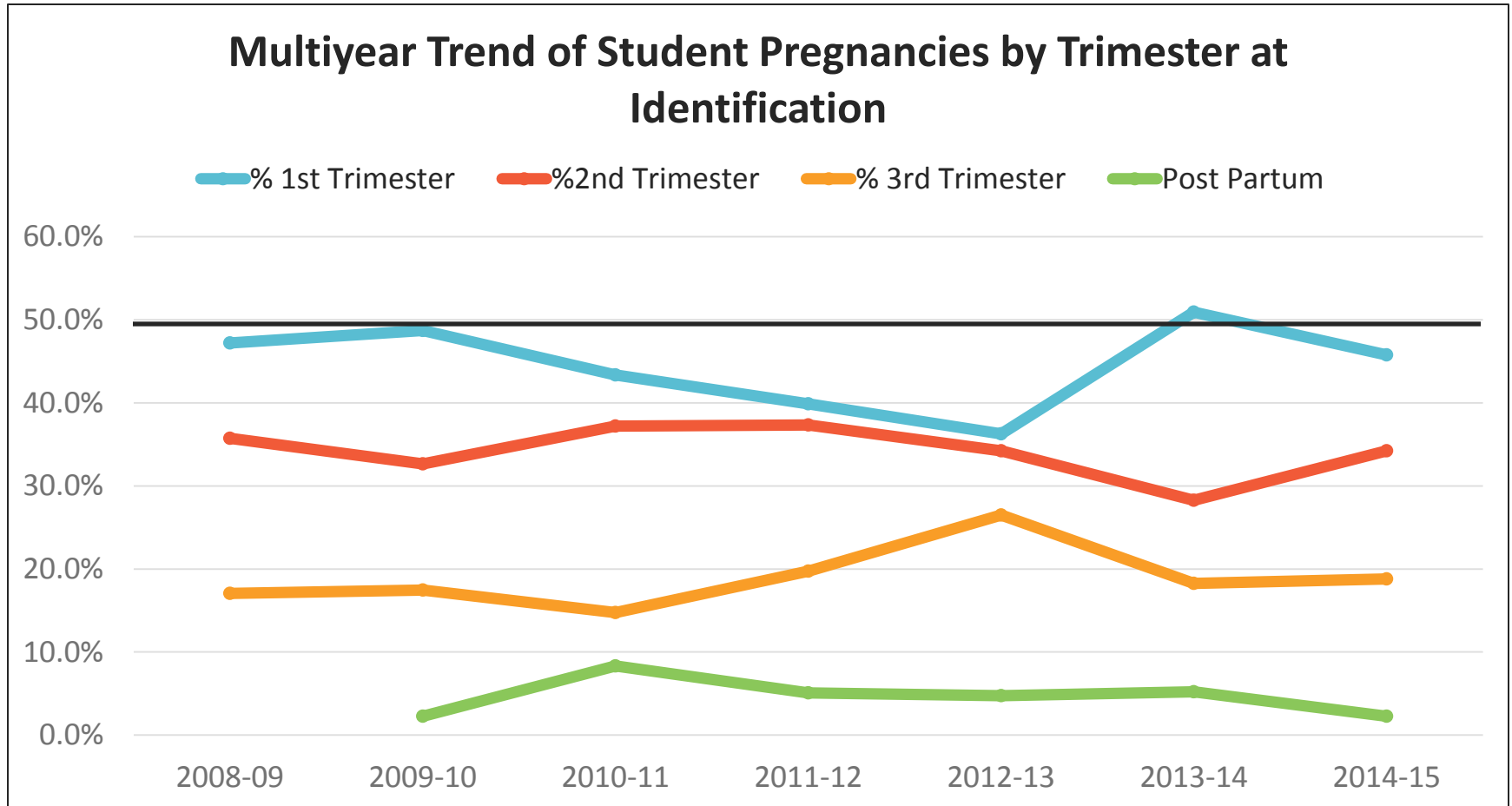
Student Pregnancy Rate



Middle School Pregnancy Count



Student Pregnancies by Trimester





Health Incidents



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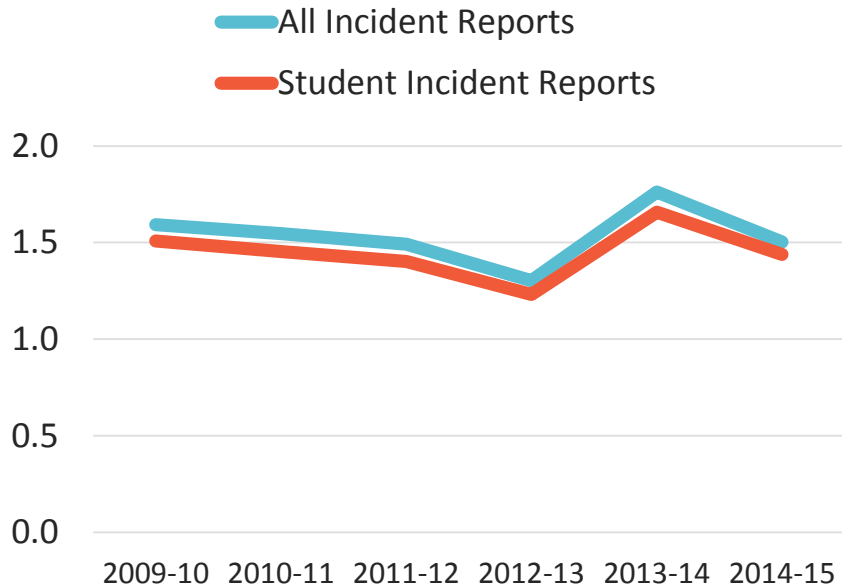
Health Incident Rate

Multiyear Trend of Health Incidents

per 100 Students Enrolled

Count of Incidents SY 2014-15: 1272,

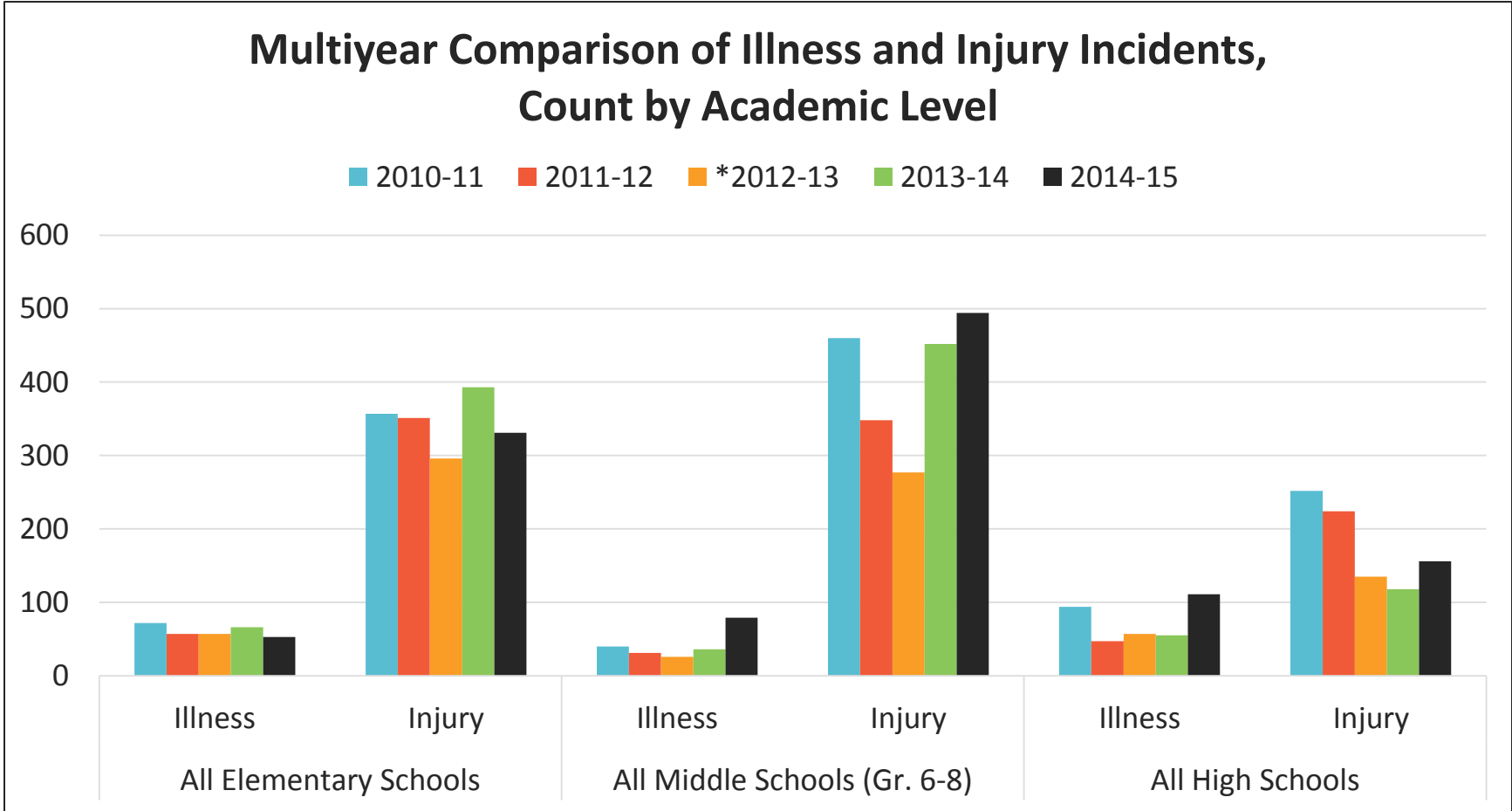
Student Incidents: 1217



An incident is typically an illness or injury that does or potentially could involve emergency response measures. Examples:

- Asthma attack that does not respond to the care plan
- Playground fall resulting in a bone fracture
- EMS is contacted whenever medications such as diazepam or epinephrine are administered

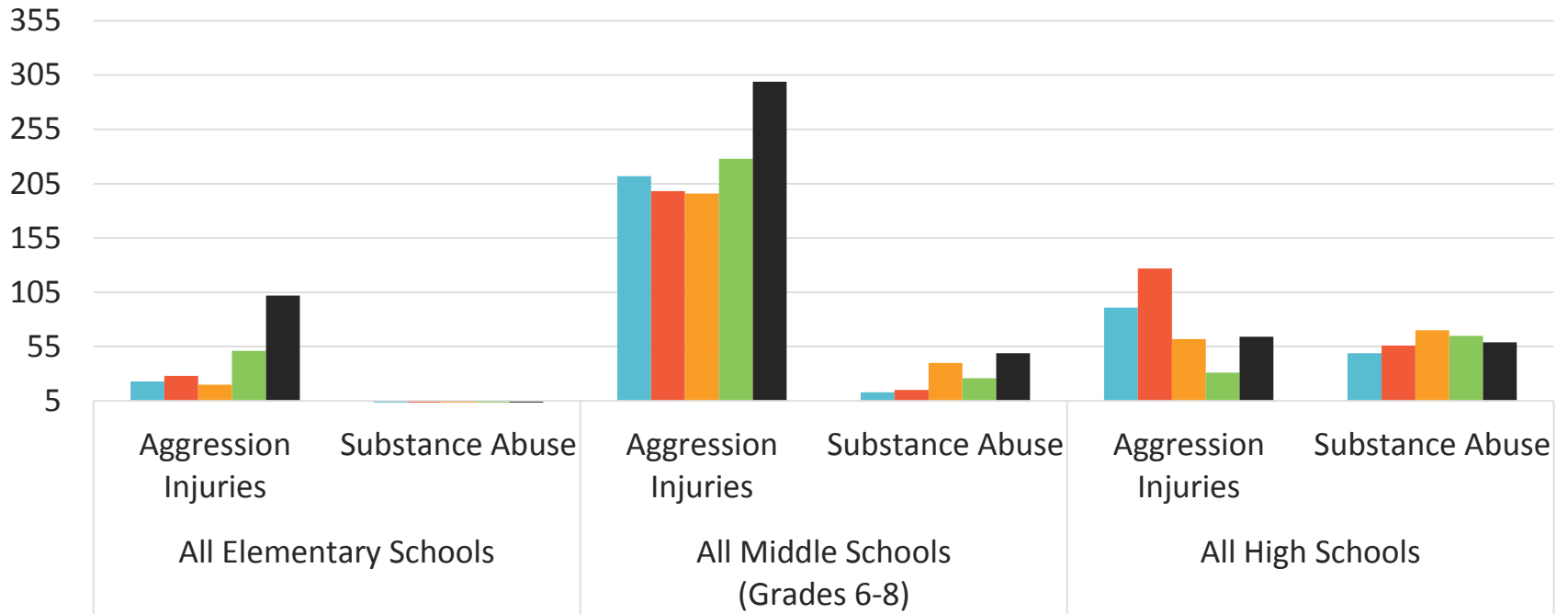
Health Incidents: Illness v. Injury



Behavioral Health Incidents

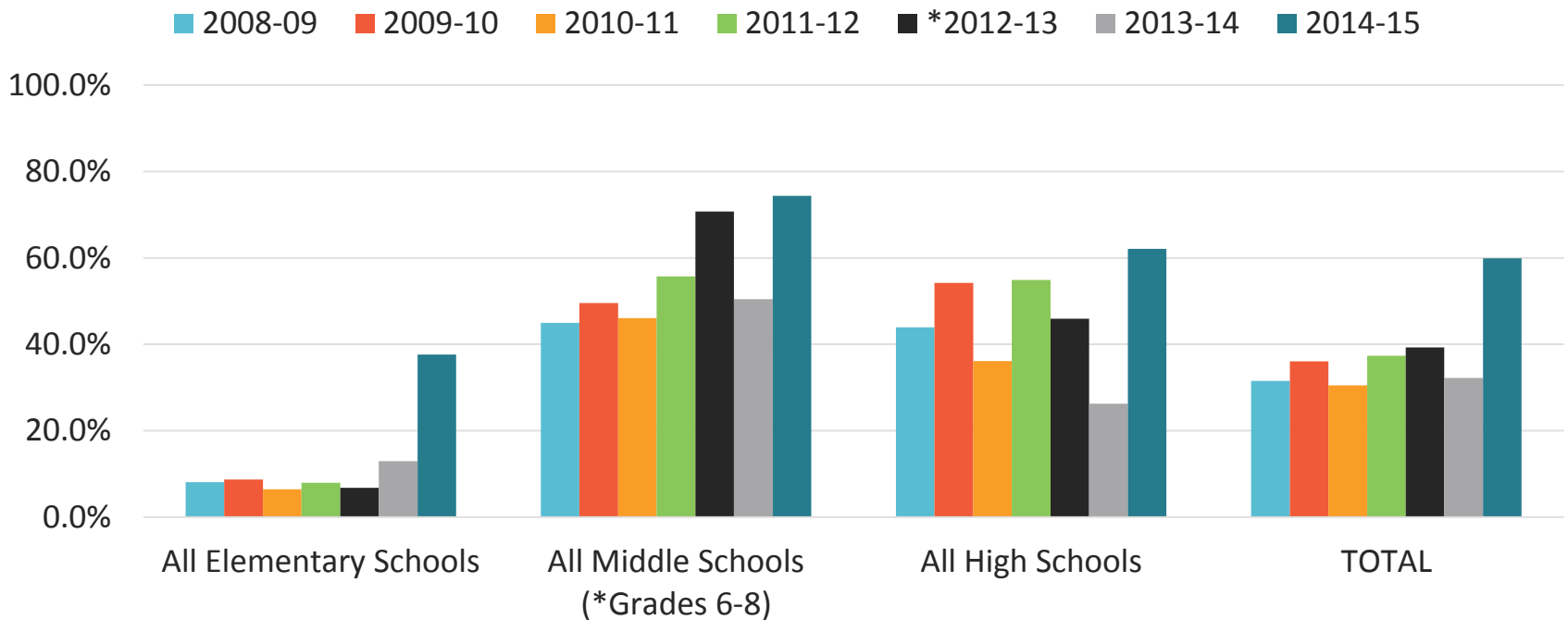
Multiyear Count of Behavioral Health Incidents by Academic Level and Type

2010-11 2011-12 *2012-13 2013-14 2014-15



% Health Incidents with Aggression

Multiyear Comparison of Injury Incidents Involving Aggression, as a Percent of all Injury Incidents, by Academic Level
 (SY 2014-15, Injuries=981, Aggression Injuries=465)



Children's Health Express



Calendar Year 2015

1,121 Health Encounters

**70% Uninsured
30% Medicaid**

**Pregnant/Parenting
Students
Crockett
Travis
Lanier
Reagan
Eastside Memorial**

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Customer Satisfaction

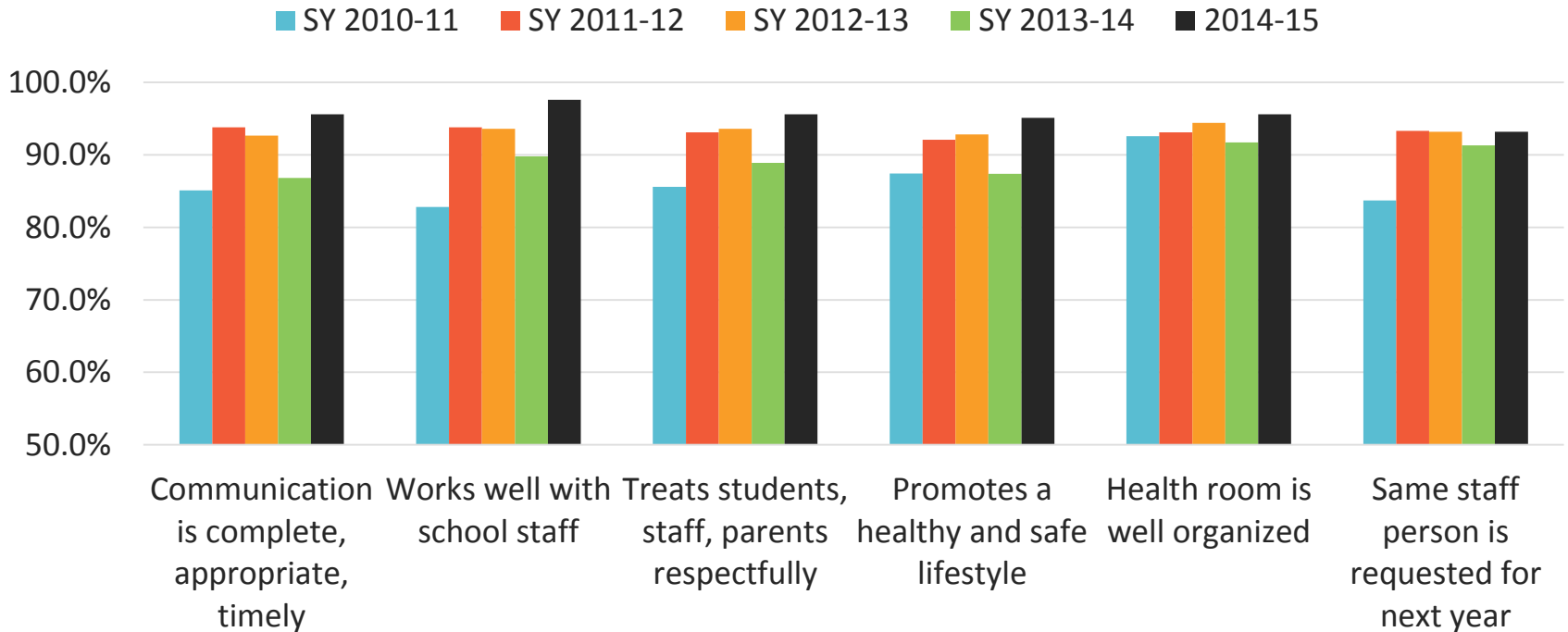


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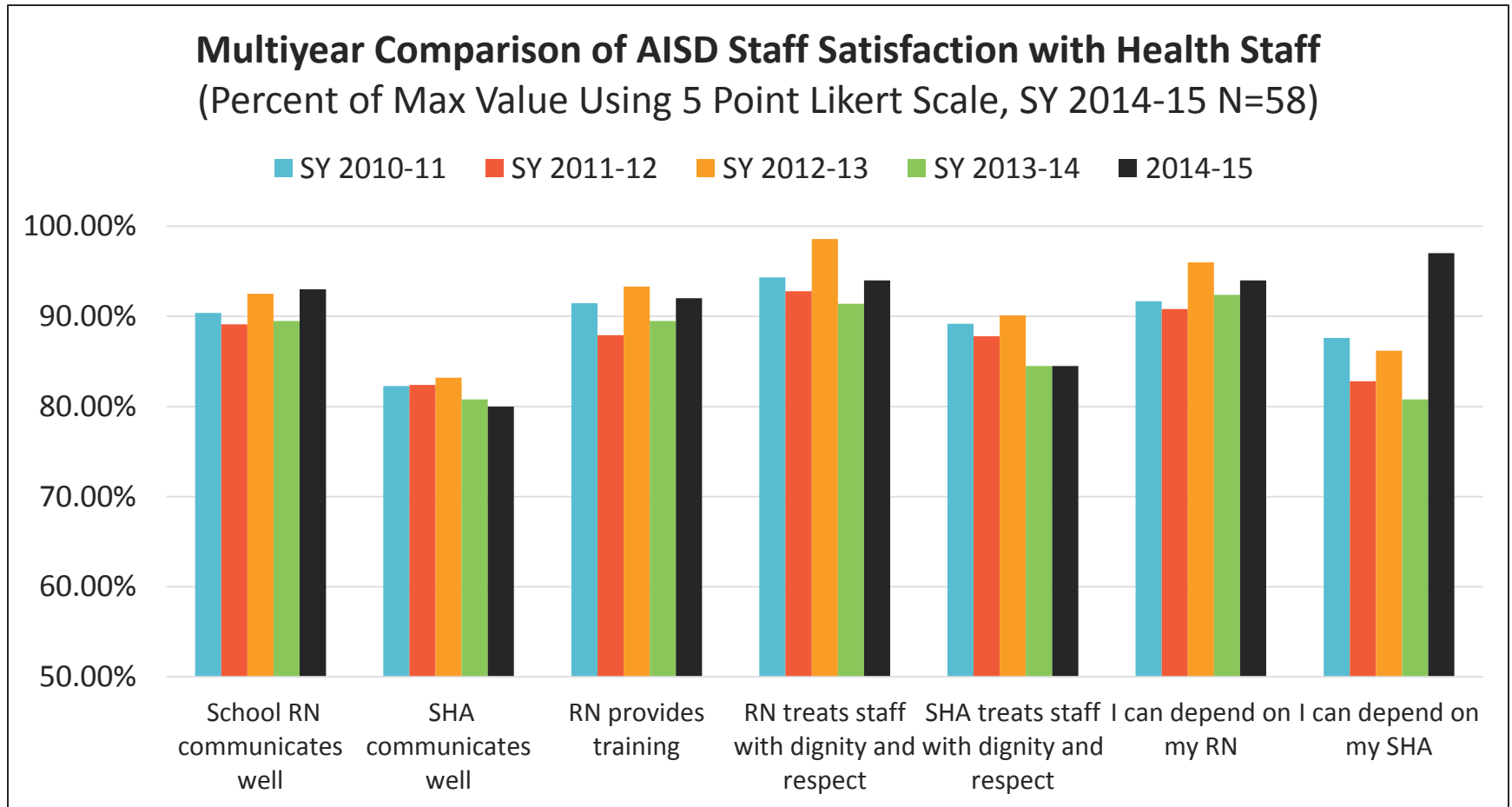


Principal Satisfaction

Multiyear Comparison of Principal Satisfaction with RNs
 (Percent of Maximum Value Using 5 Point Likert Scale)
 SY 2014-15 N=41



AISD Staff Satisfaction with Health Team

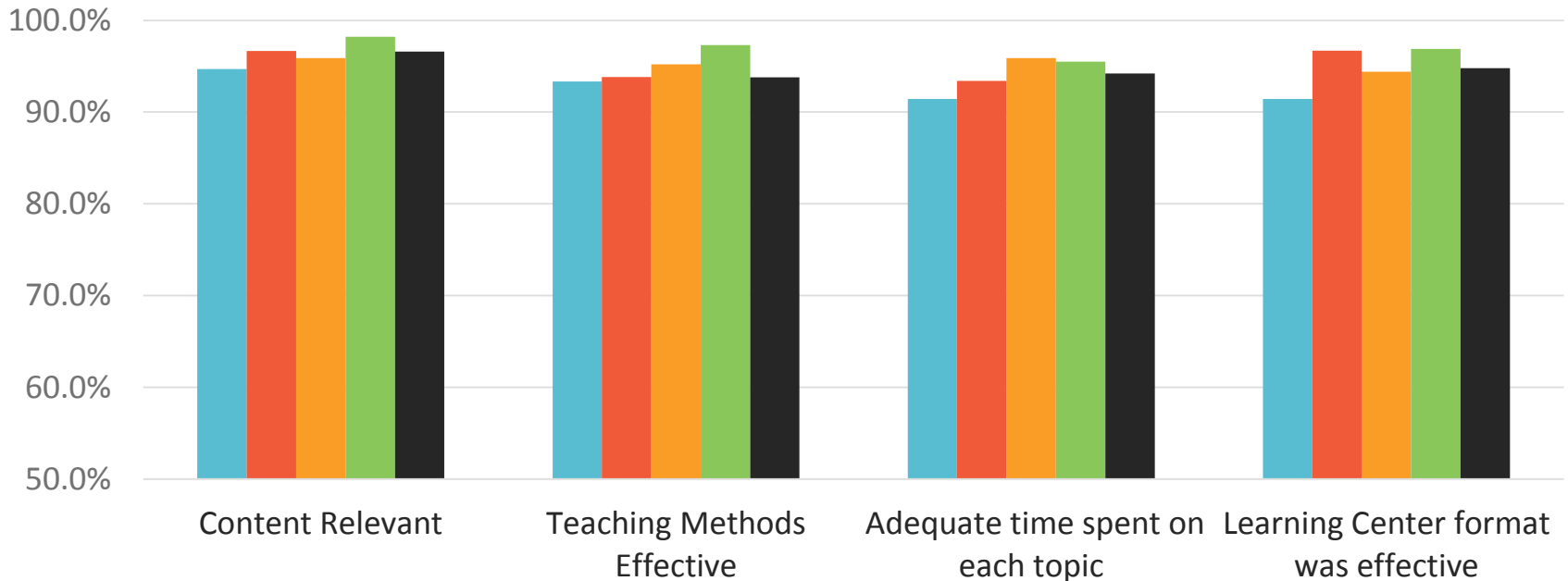


AISD Staff Satisfaction with Training

Multiyear Comparison of AISD Staff Satisfaction with Quick Care Training

(Percent of Max Value Using 3 Point Likert Scale, SY 2014-15 N=58)

■ SY 2009-10 ■ SY 2010-11 ■ SY 2011-12 ■ SY 2012-13 ■ SY 2013-14



2014-2015 Successes

- 12 Campus Based Counseling Referral Centers
- Sports physicals to 800+ students
- Kid Vision for Life Van
- Epi-pens in Schools Program
- Hospital based school at Dell Children's
- Educational offering on Trauma Informed Care
- Ebola protocols & training
- Facilitate continuum of care for students with asthma, behavioral health and other chronic health issues
- Gift of HealthTeacher
- 15 Nationally Certified School Nurses
- Sally Freeman presented overview of AISD Health Services to Healthy Schools Campaign in Chicago, IL and annual National Association of School Nurses meeting
- Dr. Pont appointed inaugural faculty in the Pediatric Department of UT Austin/Dell Medical School

Value Add Benefits

- Consultation & guidance during communicable disease outbreak such as H1N1
- EpiPens in Schools program
- Ongoing education & support to RNs & SHAs by pediatric medical experts affiliated with Dell Children's Medical Center
- Provide office space at Dell Children's Medical Center for leadership team
- Human resources support including hiring, licensure verification
- Immediate access to subspecialist consultation at Dell Children's Medical Center
- Annual AISD sports physicals for underserved athletes

Next Steps

- Telemedicine
- Medicaid Delivery System Reform Incentive Payment (DSRIP)
- Campus Based Counseling Referral Centers (CBCRCs)
- Healthy Schools Flu Campaign Expansion to all AISD ES, MS
- Community Asthma Initiative

Questions?