



MISSOURI DEPARTMENT OF
**HEALTH &
SENIOR SERVICES**

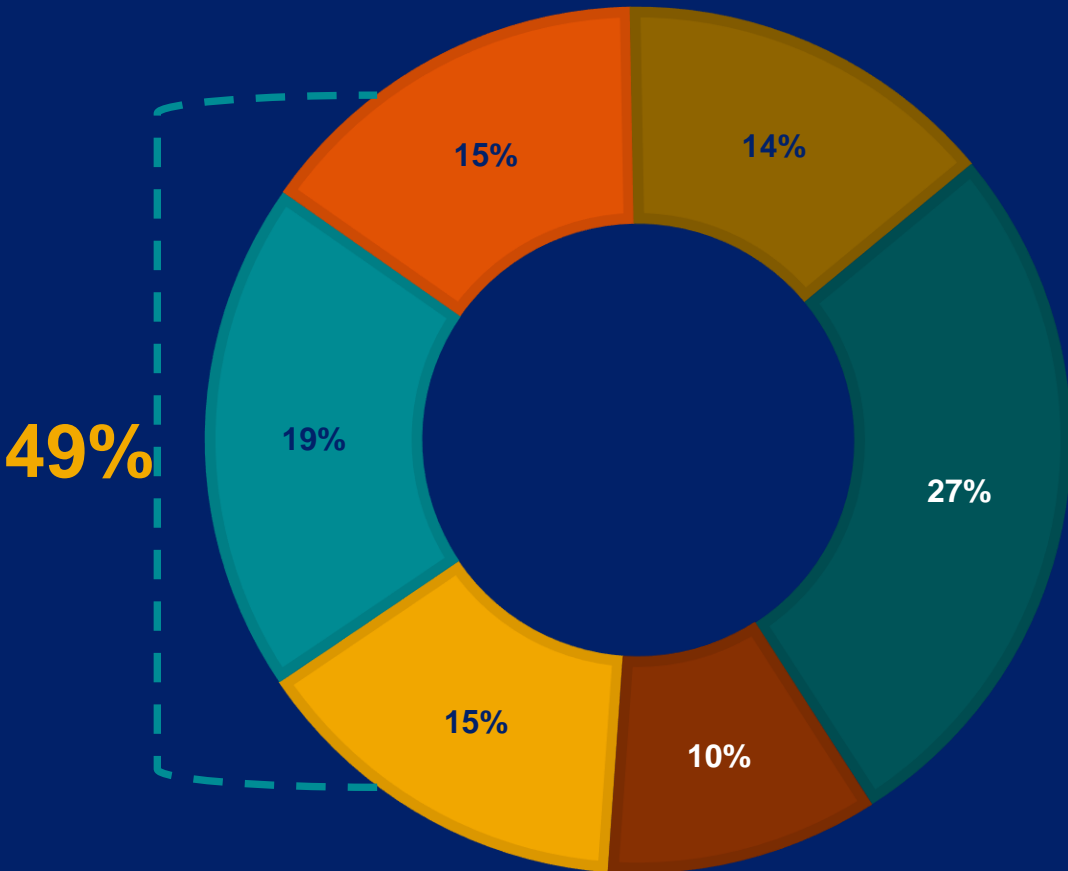
Missouri School Health Data

A Report of School Nurse Staffing and Student Chronic Health Conditions

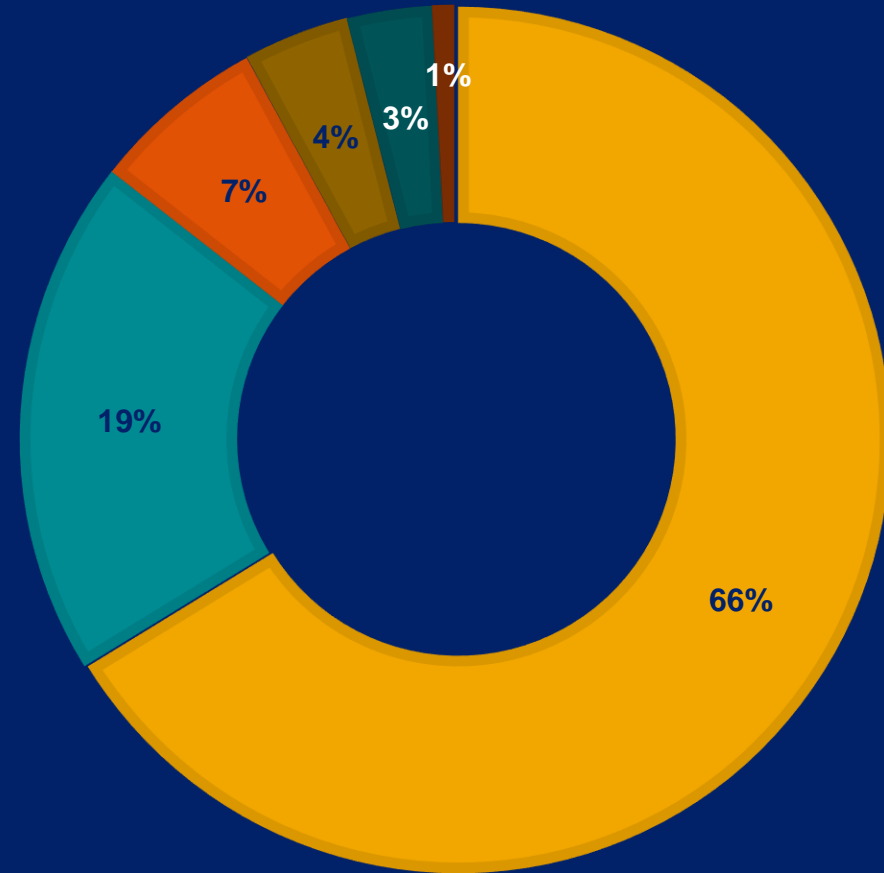
Angie Bulmahn, MSN, RN
School Nurse Specialist

Missouri Schools

% OF MO SCHOOL DISTRICTS BY STUDENT ENROLLMENT



% OF MO SCHOOL DISTRICTS BY SIZE



0 - 1K

1K - 3K

3K - 5K

5K - 10K

10K - 20K

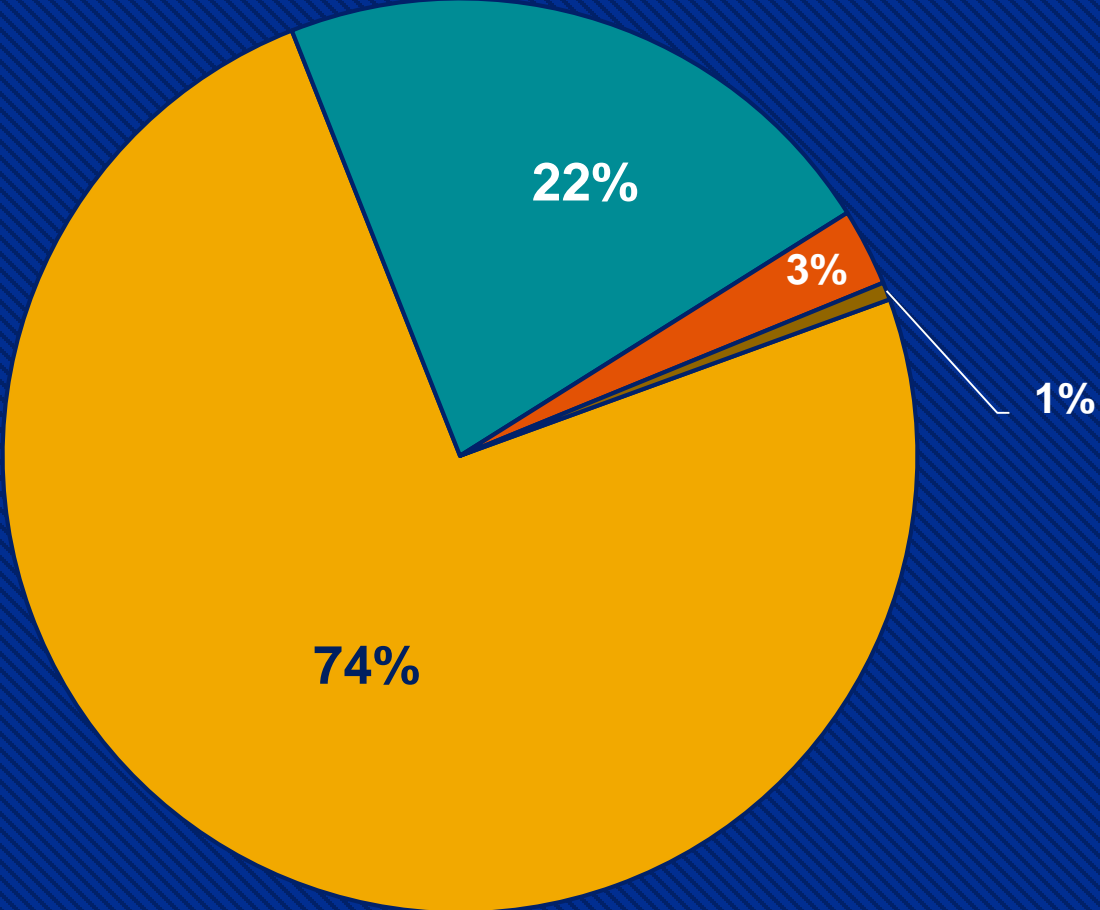
20K +



2022-2023

MO School Nurse Staffing Report

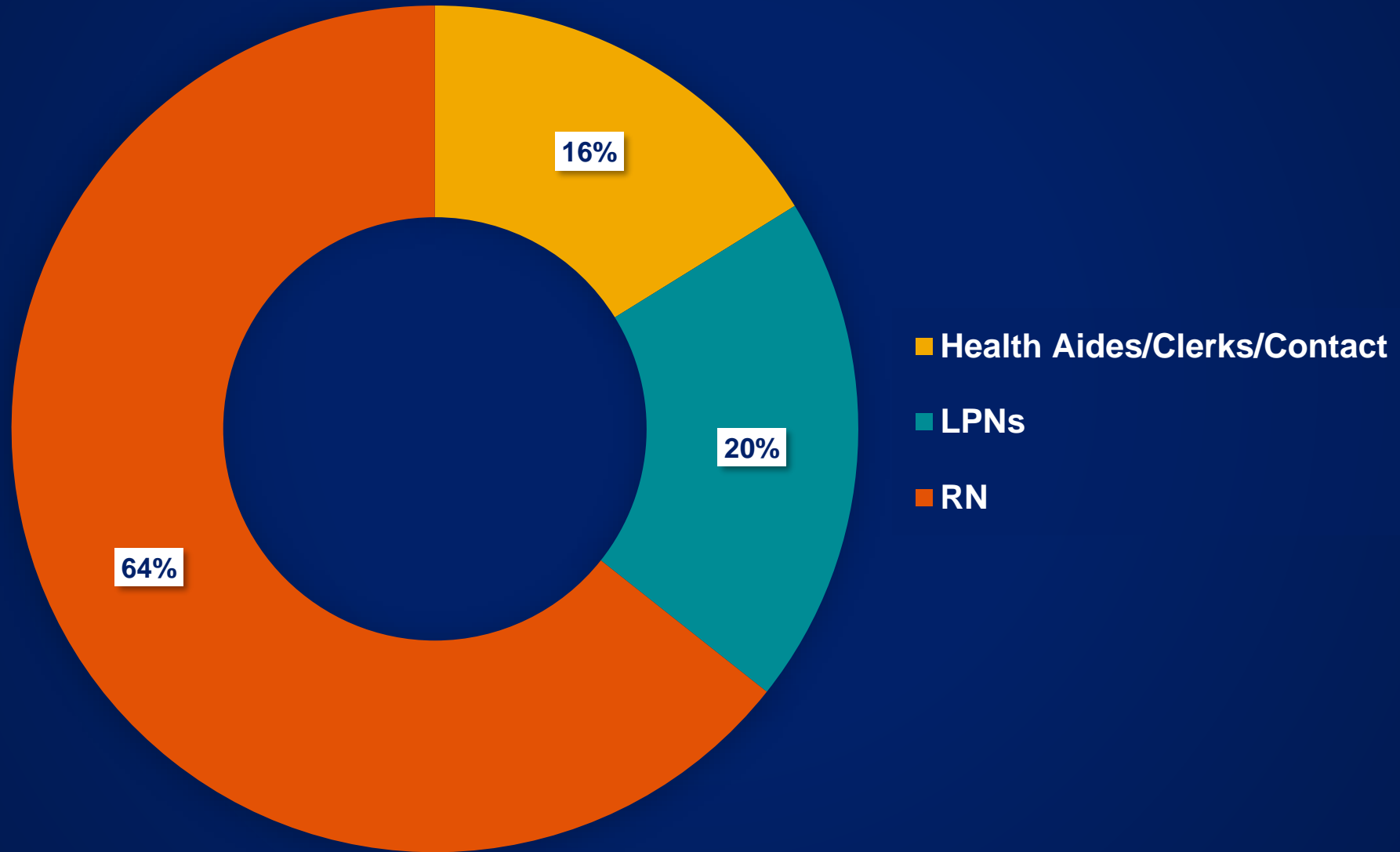
School Nurse Staffing in Missouri



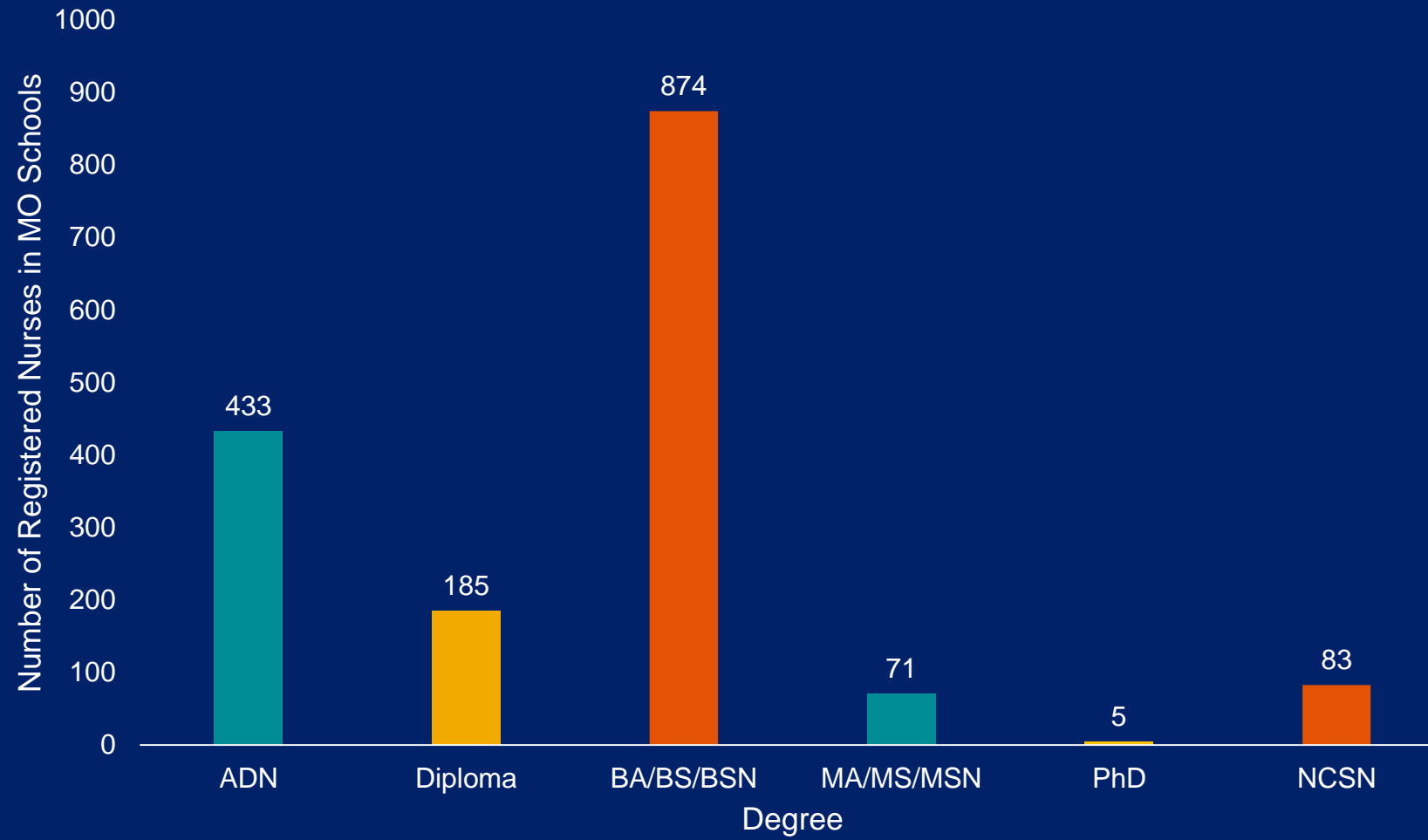
■ Full-Time RN ■ Full-Time LPN ■ Part-Time RN ■ Part-Time LPN

Health Staff Positions

(includes duplicates for nurses visiting multiple schools)



Education of RNs in MO Schools





2022 - 2023

Chronic Health Conditions in Missouri Schools

Survey Population

Who's included in the reported data?



School Districts Responded

481 out of 558 public school districts and charter schools responded to our survey.



MO Students Represented

This includes students in all public and charter schools.

ALLERGIES

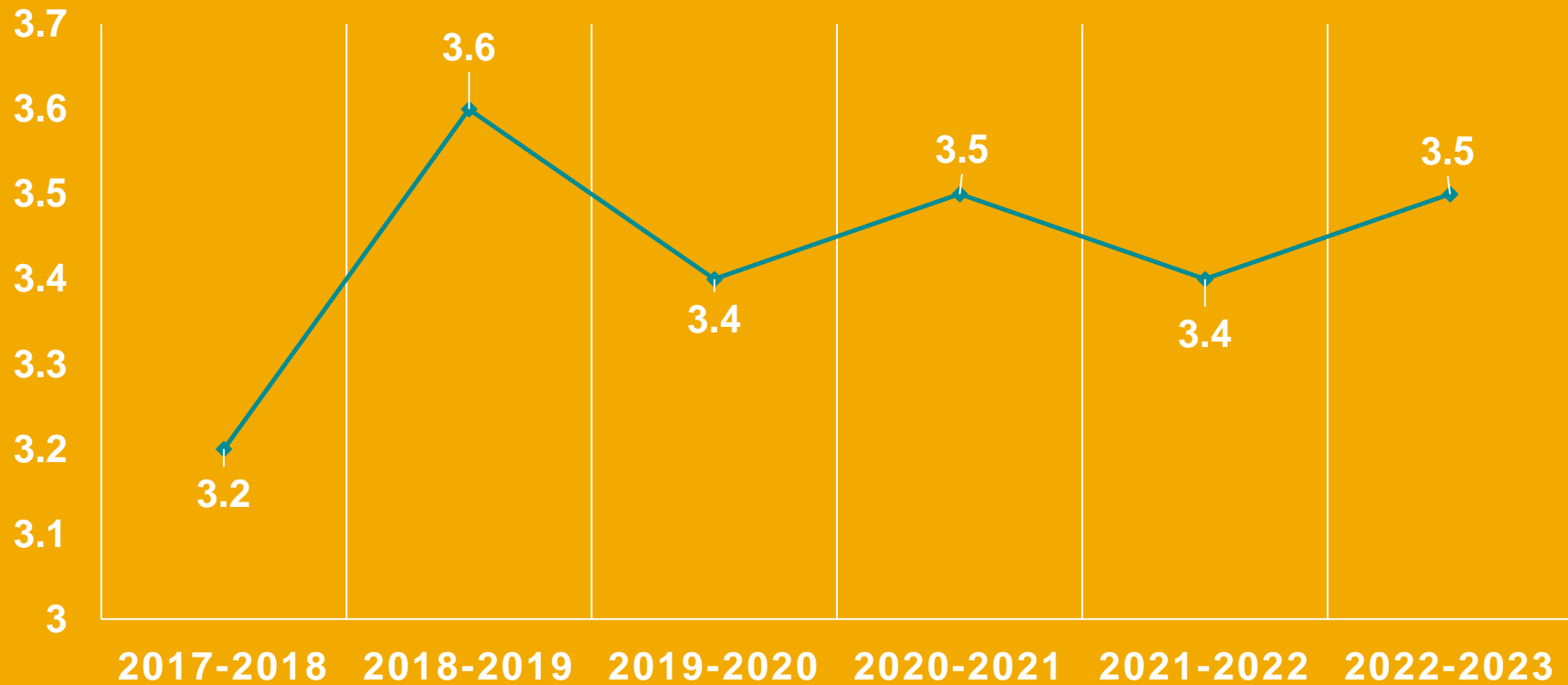
ASTHMA

DIABETES

SEIZURES

LIFE THREATENING ALLERGIES

—◆ % Reported Students with Life-Threatening Allergies



ALLERGIES

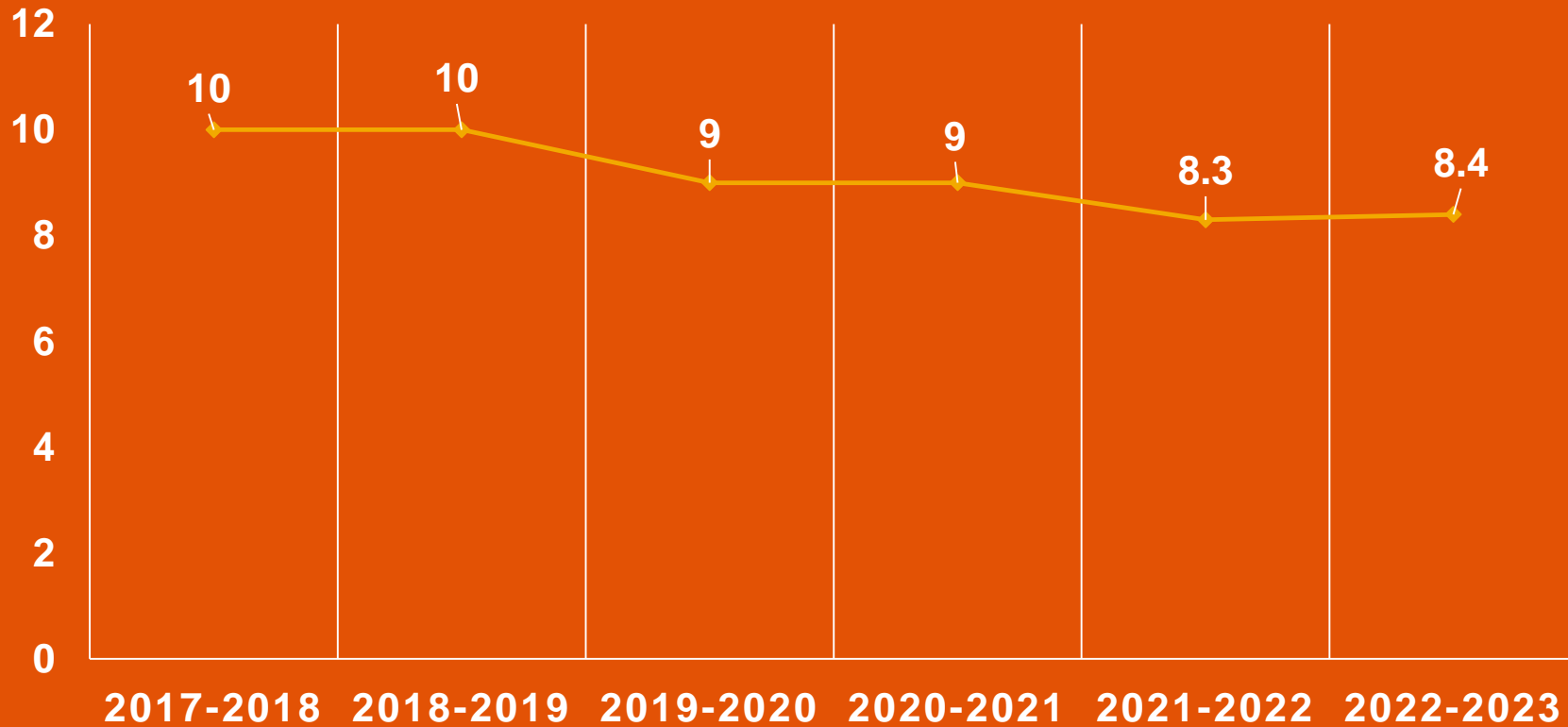
ASTHMA

DIABETES

SEIZURES

ASTHMA

◆ % Reported Students with Asthma



ALLERGIES

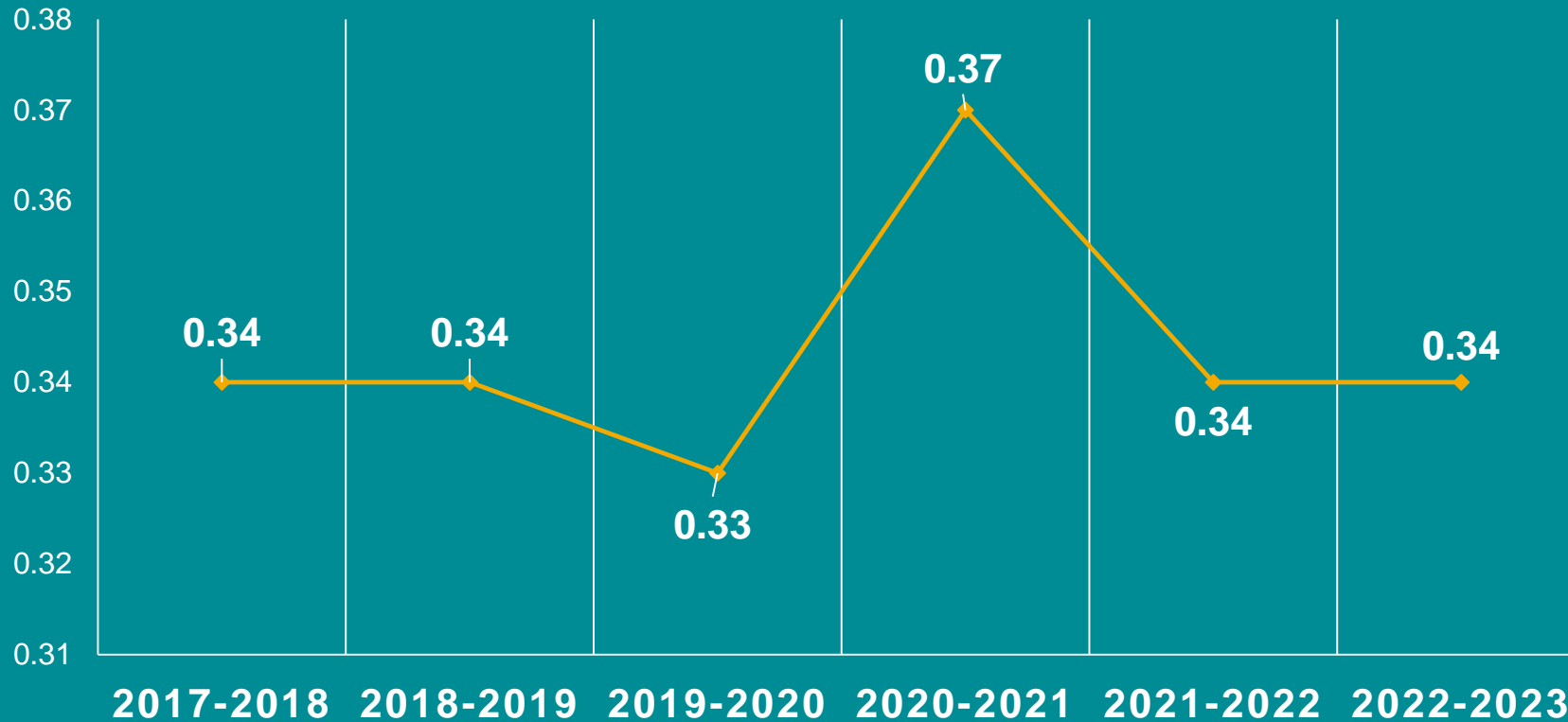
ASTHMA

DIABETES

SEIZURES

DIABETES

—◆ % Reported Students with Diabetes



ALLERGIES

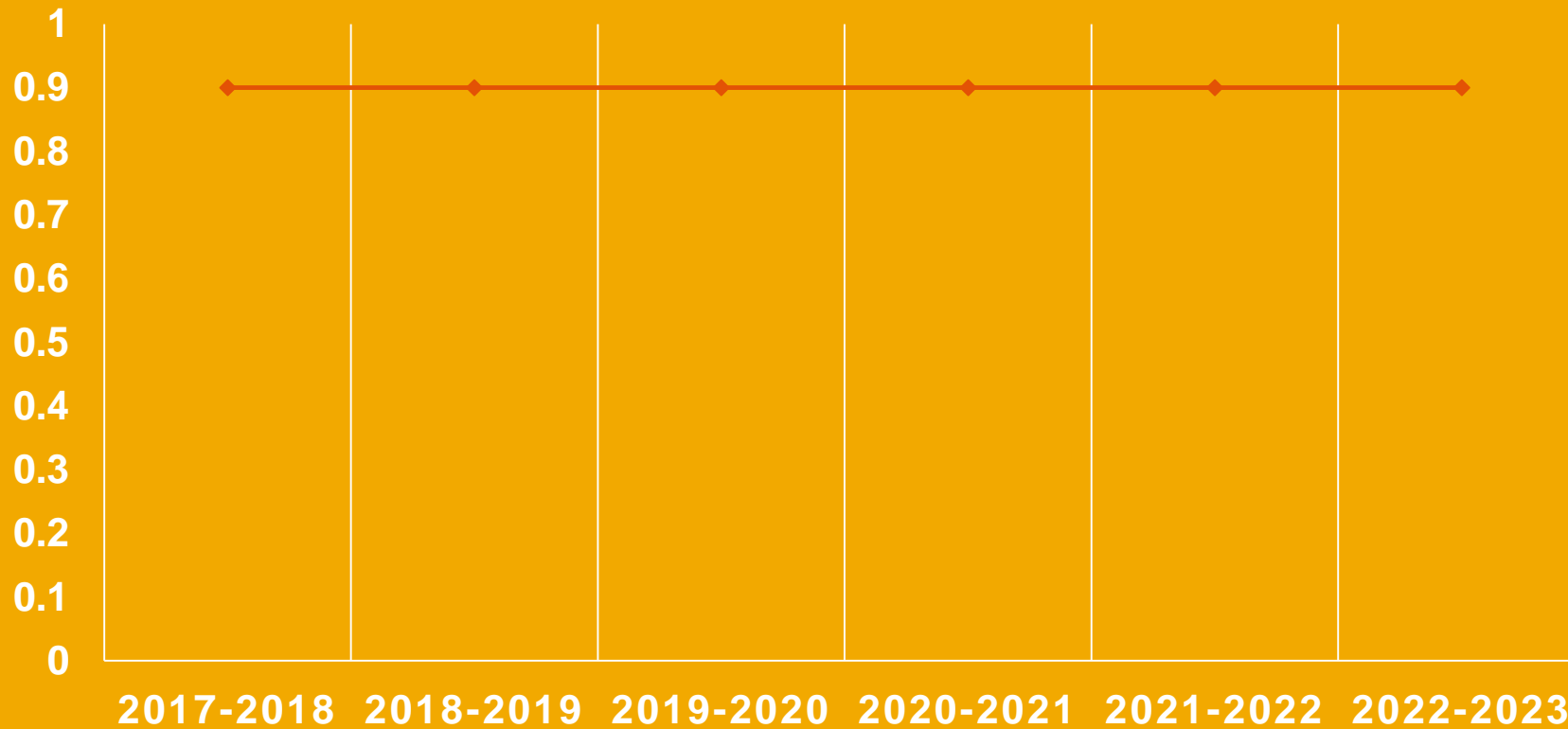
ASTHMA

DIABETES

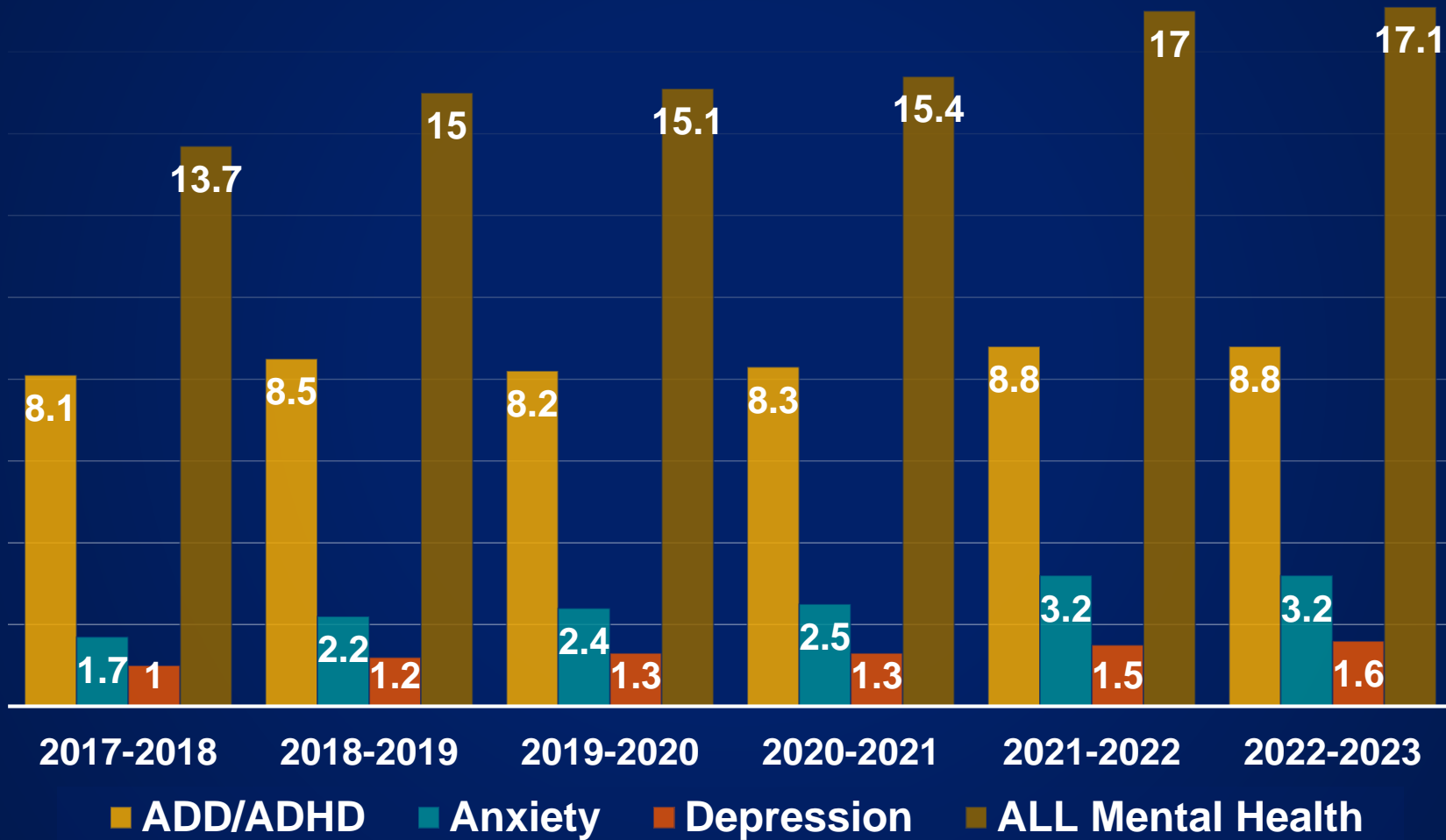
SEIZURES

SEIZURES

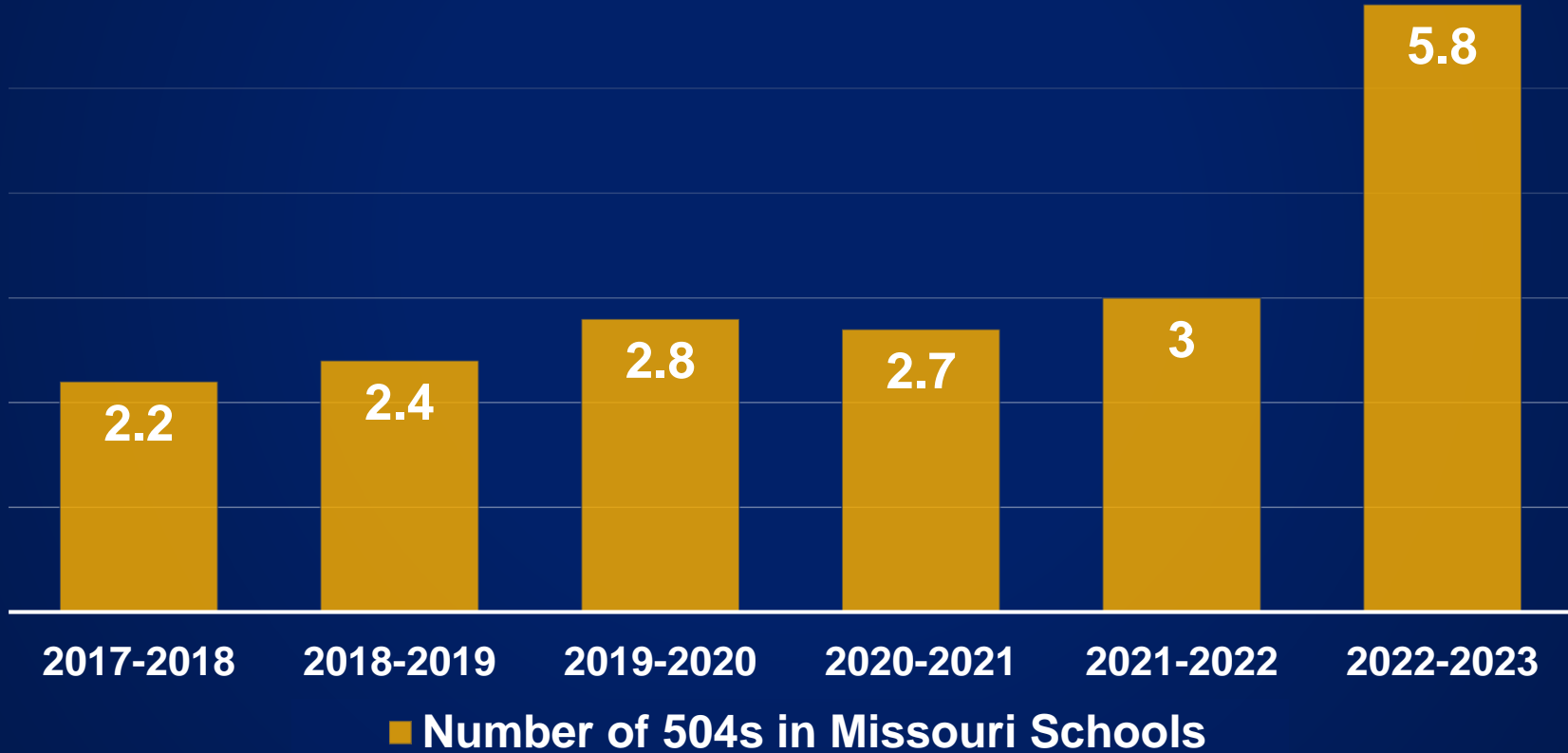
—◆ % Reported Students with Seizures




% of Mental Health from Reported Data



Number of 504s in Missouri Schools (by percentage)





2022-2023

Missouri vs. US: How do we compare?

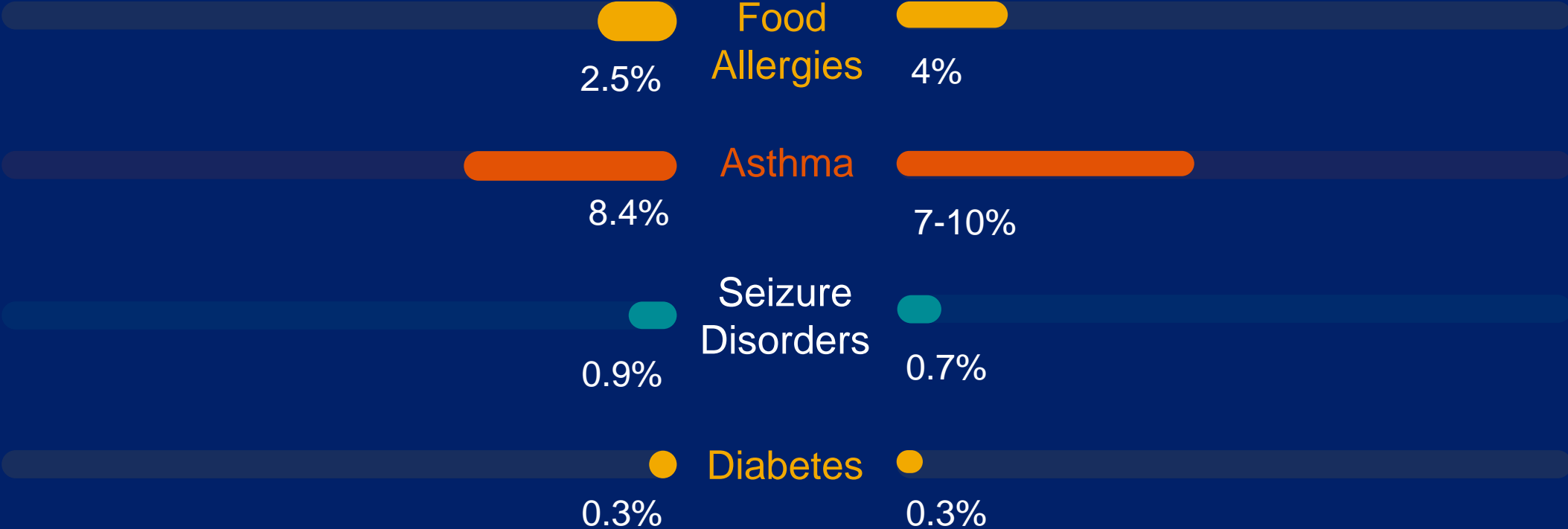
COMPARISON

How do Missouri chronic illness numbers compare to CDC's national numbers?

Missouri Schools

Nationwide

Life-threatening





2022-2023

DATA: Next Steps

Tell Your Story



Chronic Health Conditions

School District

Student Population

School Year



Chronic Health Conditions Diagnosed by a Health Care Provider



Asthma



Life Threatening Allergies



Seizure Disorder



Type 1 Diabetes



Type 2 Diabetes



State of Missouri School Nurses 2022-23

2022-2023 Nurse to Student Ratio

1,442 Full Time RNs

53 FTE RNs (1,748 hrs/32) (134 part-time positions)
1,495 RNs

427 Full Time LPNs

12 FTE LPNs (431 hrs/32) (30 part-time positions)
439 LPNs

Nurse to Student Ratio

Public School only population from DESE database: 897,957

(From [DESE Dashboard, District Enrollment 2023 Preliminary](#))

Total RNs 1 : 600

Total Nurses (RN, LPN) 1 : 464

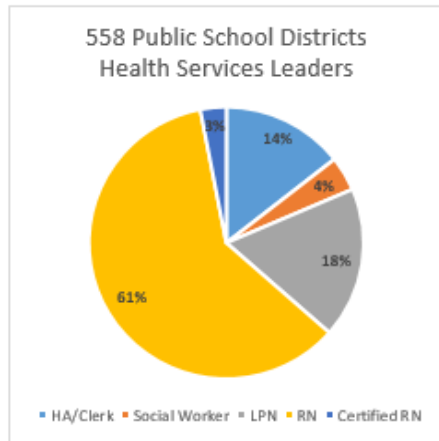
** Total nurses do not reflect 7 districts including St. Louis City who did not respond to survey.

Health Staff Positions (includes duplicates for nurses visiting multiple schools)

- 375 Health Aides/Clerks/Contact
- 68 Social Workers
- 452 LPNs
- 1,492 RNs
- 83 Certified School Nurses (RNs)

Professional Health Services Staff by degree

- 433 ADN (default)
- 185 Diploma
- 874 BA/BS/BSN
- 71 MA/MS/MSN (7 APRN)
- 5 Doctorate
- 25 BSW
- 43 MSW



Students with Disease and Chronic Health Conditions in Public Schools, Missouri 2022-2023

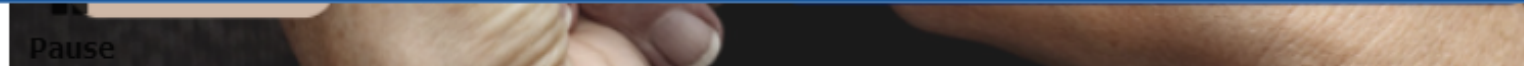
Disease/Conditions	Number	Disease/Conditions	Number
Allergies – life threatening - Food	25,141	Sickle Cell Disease	616
Allergies – life threatening - Insect	4,252	Heart disease with activity restrictions	989
Allergies – life threatening - Latex	1,144	Hemophilia/bleeding disorder	914
Asthma – on medication at home or school	73,532	Hydrocephalus with shunt	686
Blind/Visually Impaired	8,881	Kidney disease	1,342
Cancer - History, not on medication	843	Mental Health	
Taking Chemotherapeutic Medication	170	• ADD/ADHD	77,274
Chronic infection (e.g., Hepatitis, etc.)	167	• Anxiety	27,667
Cleft lip and palate	527	• Autism Spectrum Disorder (ASD)	16,059
Cystic Fibrosis	272	• Bi-polar	2,467
Daily special health care procedures		• Depression	14,323
Blood sugar check	3,294	• Obsessive Compulsive Disorder	2,234
Catheterization care	262	• Oppositional Defiance Disorder	5,058
Ostomy care	122	• Post-Traumatic Stress Syndrome	3,098
Tube feeding	890	• Tourette's syndrome	1,286
Ventilator dependent	21	Migraine headaches	13,381
Suctioning	140	Neuromuscular disorder - non-progressive (Cerebral Palsy, etc.)	1,799
Nebulizer treatment	1660	Neuromuscular disorder - progressive (e.g., Muscular Dystrophy, etc.)	424
Deaf/Hearing Impaired with no assistive devices	2,648	Organ Recipient	186
Deaf with FM systems	517	Orthopedic disability - permanent	2264
Deaf with hearing aides	2,018	Orthopedic disability – temporary (e.g., Osgood Schlatter, fractures, etc.)	3,347
Deaf with cochlear implants	463	Scoliosis requiring treatment	1,098
Diabetes		Pregnancy	304
• Type 1	2,407	Teen Parenting	360
• Type 2	541	Rheumatoid Arthritis	420
Eating disorder (Anorexia, Bulimia, etc.)	655	Autoimmune disease (e.g., Lupus, etc.)	1,404
Gastrointestinal Disorders (e.g. Irritable Bowel Syndrome, etc.)	7,191	Routine medications at school	20,933
Crohn's Disease	510	Seizure disorder	7,753
Ulcers	199	Students with "do not attempt resuscitate" (DNAR) order	14
Bowel/Bladder Incontinence	4,131	Traumatic Brain Injury	653
Chromosomal Abnormalities (Down Syndrome, Neurofibromatosis, etc.)	2,663	504 Plans	50,964

** Totals do not reflect 77 districts who did not respond to the survey. All but 3 districts not included in this report have less than 1000 students in each of their districts. The remaining 3 districts have less than 2,600 students each.

481 out of 558 public school districts reported data to MDHSS. The enrollment in these districts was 875,593 representing 98% of all students enrolled in public schools (897,597) in the 2022-2023 school year.

[371,017 of the 897,597 (41%) students included in the reporting indicate having health insurance – 168 of the 481 reporting districts indicated they did not inquire about health insurance status]

[1/2023]



Recent News | FSIS Issues Public Health Alert for Frozen Chicken Korma with Basmati Turmeric Rice Products Due to Misbranding and A

Find a program for...

Families

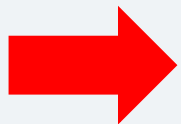
Seniors

Agencies

Professionals

Providers

- (WIC) Information for Families
- Infant and Child Health
- Food Programs
- Wellness & Prevention
- Minority Health
- Immunizations
- Organ/Tissue Donation & Registry
- Child Care
- Women's Health
- Food Safety



- Oral Health
- Adolescent & Teen Health
- School Health
- Show Me Healthy Women
- Men's Health
- Lead Poisoning & Prevention
- Rural Health
- Vital Records

see more programs for families...

Missouri

From a state public health.

School Health

DHSS Home » Healthy Living » Healthy Families » schoolhealth » Home



Healthy Living

Environmental Factors

Chronic Diseases

Communicable Diseases

Healthy Families

Organ/Tissue Donation and Registry

Women, Infants & Children (WIC)

Genetic Disease & Early Childhood

Food Programs

Wellness & Prevention

Local Public Health Agencies

Immunizations

Contact

School Health Program



Healthy Living

Senior & Disability Services

Licensing & Regulations

Disaster & Emergency Planning

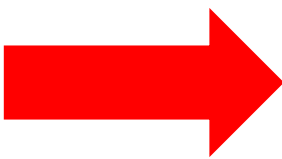
Online Reporting System

DHSS Home » Healthy Living » Healthy Families » schoolhealth » online-reporting

Online Reporting

Special Health Care Needs

Preschool/Childcare Immunization Report



Statewide Disease and Chronic Conditions

- Healthy Living
- Environmental Health
- Chronic Diseases
- Communicable Diseases
- Healthy Families
- Organ/Tissue Donation
- Women, Infants & Children
- Genetic Diseases
- Food Programs
- Wellness & Prevention
- Local Public Health



Healthy Living

Senior & Disability Services

Licensing & Regulations

Disaster & Emergency Planning

Online Reporting System

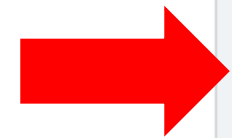
DHSS Home » Healthy Living » Healthy Families » schoolhealth » online-reporting

Online Reporting

Special Health Care Needs

Preschool/Childcare Immunization Report

Statewide Disease and Chronic Conditions



- [State of Missouri School Nurses 2021-2022](#)
- [Statewide Disease and Chronic Conditions Data - Annual Report](#)
 - [Chronic Conditions Annual Report - Infographic](#)
 - [Student Health Encounters Annual Report - Infographic](#)

- Healthy Living
- Environmental
- Chronic Disease
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- Organ/Tissue
- Women, Infant
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- Food Programs
- Wellness & Pre
- Local Public He



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QUESTIONS?



Angie.Bulmahn@health.mo.gov



314-877-0220



health.mo.gov/living/families/schoolhealth/index.php



MISSOURI DEPARTMENT OF
**HEALTH &
SENIOR SERVICES**

PROTECTING HEALTH AND
KEEPING PEOPLE SAFE