



House Bill 1004

Senate Appropriations Committee; Human Resources Division

Senator Dever, Chairman

Kirby Kruger, Section Director

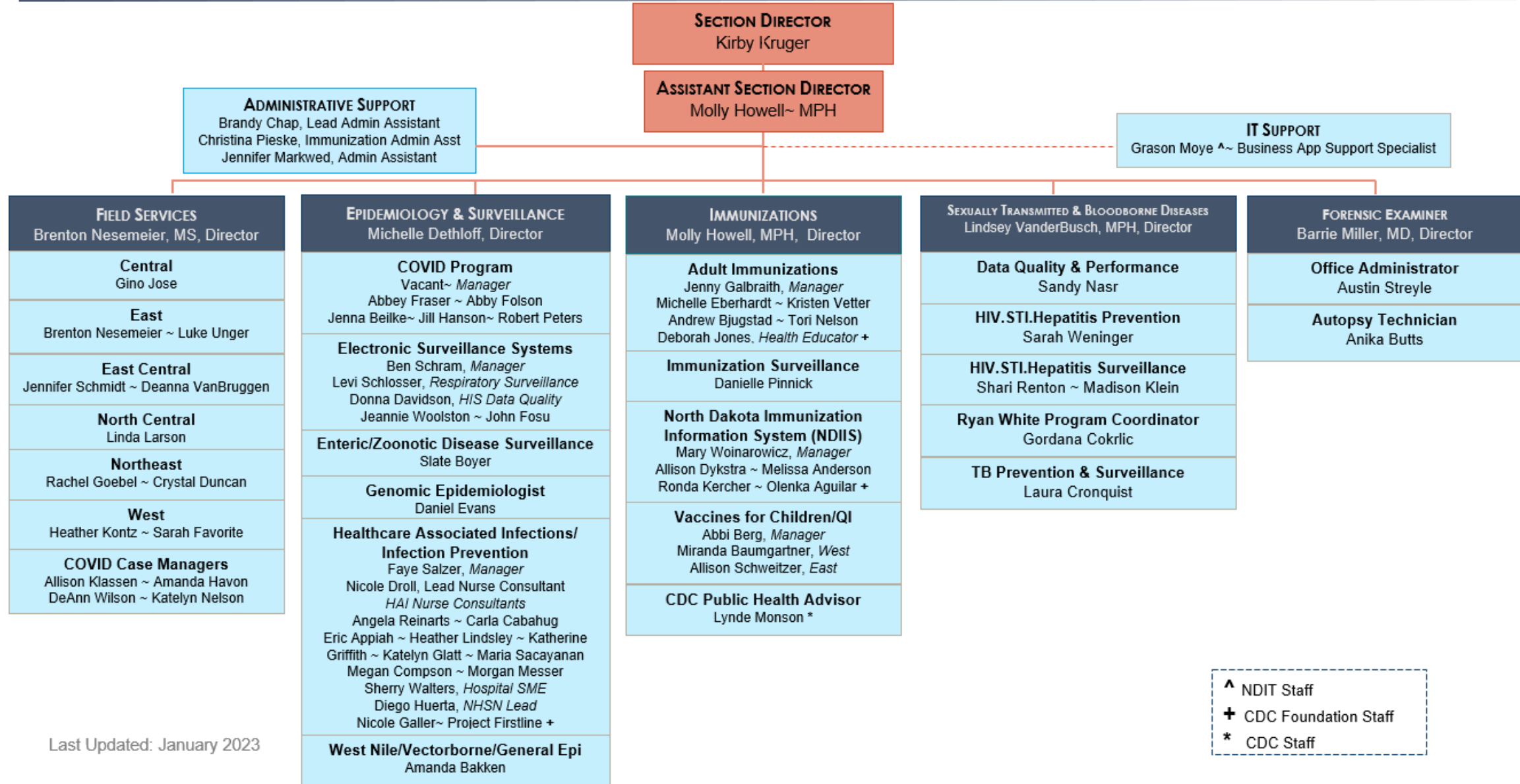
Disease Control and Forensic Pathology Section

Public Health Division | March 7, 2023

NORTH
Dakota
Be Legendary.

Health & Human Services

**DISEASE CONTROL & FORENSIC PATHOLOGY
ORGANIZATIONAL CHART**



^ NDIT Staff
+ CDC Foundation Staff
* CDC Staff

Disease Control and Forensic Pathology

Assist local jurisdictions in death investigations, promote disease prevention activities, facilitate disease reporting and conduct disease investigations

Immunizations

Molly Howell

- Coordinate immunization activities
- Monitor immunization coverage rates
- Manage the Vaccines for Children Program
- Respond to vaccine preventable diseases

Forensic Examiner

Barrie Miller, MD

- Provide assistance to local coroners and law enforcement on death investigations through consultation and the performance of autopsies

Sexually Transmitted and Bloodborne Diseases

Lindsey VanderBusch

- Provide case and partner services to prevent complications from disease
- Facilitate access to care, testing and treatment, as needed
- Ryan White
- Tuberculosis

Infectious Disease and Epidemiology

Michelle Dethloff

- Facilitate and coordinate disease reporting
- Investigate zoonotic, respiratory, foodborne, waterborne, vectorborne and other diseases, as needed
- Healthcare Associated Infection Prevention

Field Services

Brenton Nesemeier

- “Shoe leather epidemiologists” – these are our front-line disease investigators
- Establish rapport with key partners

Disease Control is Disease Prevention



Vaccines for Children (VFC)

Free vaccines for uninsured, underinsured, Medicaid or Native American Children.



STI Program

Telehealth and at-home testing program.



Field Services/Disease Investigations

Facilitating the best possible outcomes for at risk people.



Syringe Services Program

Clean injection supplies, counseling and referral.



Zoonotic Disease Program

Possible rabies exposure follow-ups, West Nile, Tickborne and others.



HAI Prevention

Providing safer healthcare for patients and staff.

Programs and Services for North Dakotans



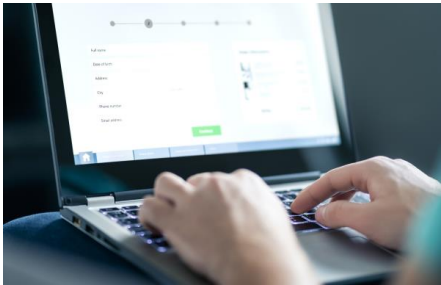
HAI Prevention

78 ICAR assessments in 2022.



Antibiotic Stewardship

Contract with NDSU School of Pharmacy (CAP Center).



Forensic Examiner

200 autopsies in 2021 and 213 in 2022.



STI and Behavioral Health Collaborative

Increase services to citizens.



NDIIS

411,591 immunization records provided since July 2021.



HIV Prevention

Perinatal HIV Case.

Team Members Recognized for Excellence

Brenton Nesemeier – Field Services

Fargo Challenge Coin Award

Olenka Aguilar

AIRA Consider it Done Award

Mary Woinarowicz – NDIIS Manager

AIRA System Data Genius Award

Molly Howell, Immunization Director

Governor's Heritage Award

NDMA Friend of Medicine Award

AIM Natalie Smith Award (*excellence in immunization program management*)



Improving the lives of North Dakotans

How legislative support and
appropriations made an impact in
the **2021-2023 biennium**

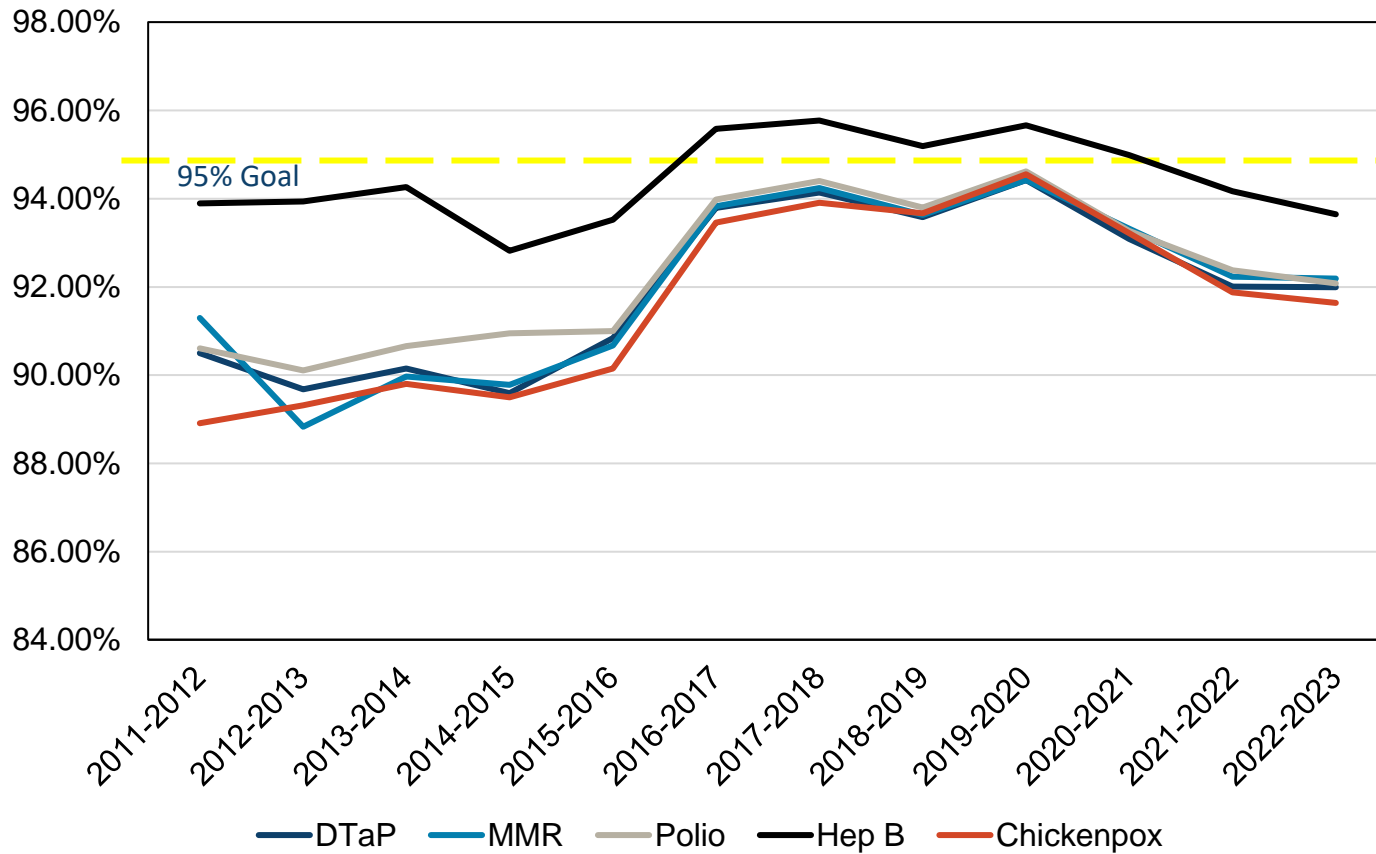


Disease Prevention Activities

- **Mpox**
 - Coordinated vaccine ordering and distribution
 - Over 700 doses of Mpox vaccine administered
 - Six cases of Mpox reported in North Dakota
 - Community Engagement
- **Ebola**
 - Monitoring of travelers arriving from Uganda
- **STI prevention and follow-up**
 - Congenital syphilis follow-up
- **Disease Surveillance Activities**
 - Electronic laboratory Reporting and syndromic surveillance
- **Routine Disease Follow-up**
 - Foodborne and enteric illness, STI's, bloodborne infections, HAIs
- **General Immunization Activities**
 - 52% of North Dakota children are VFC eligible

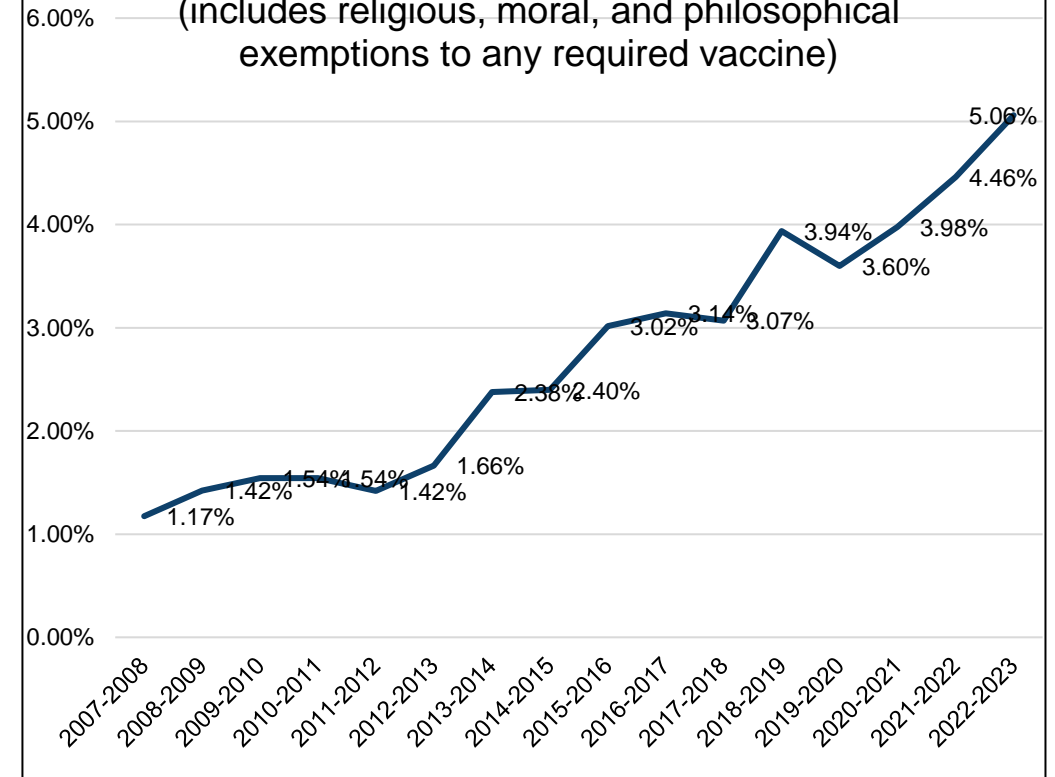
School Immunization Rates – North Dakota

ND Kindergarten Immunization Rates



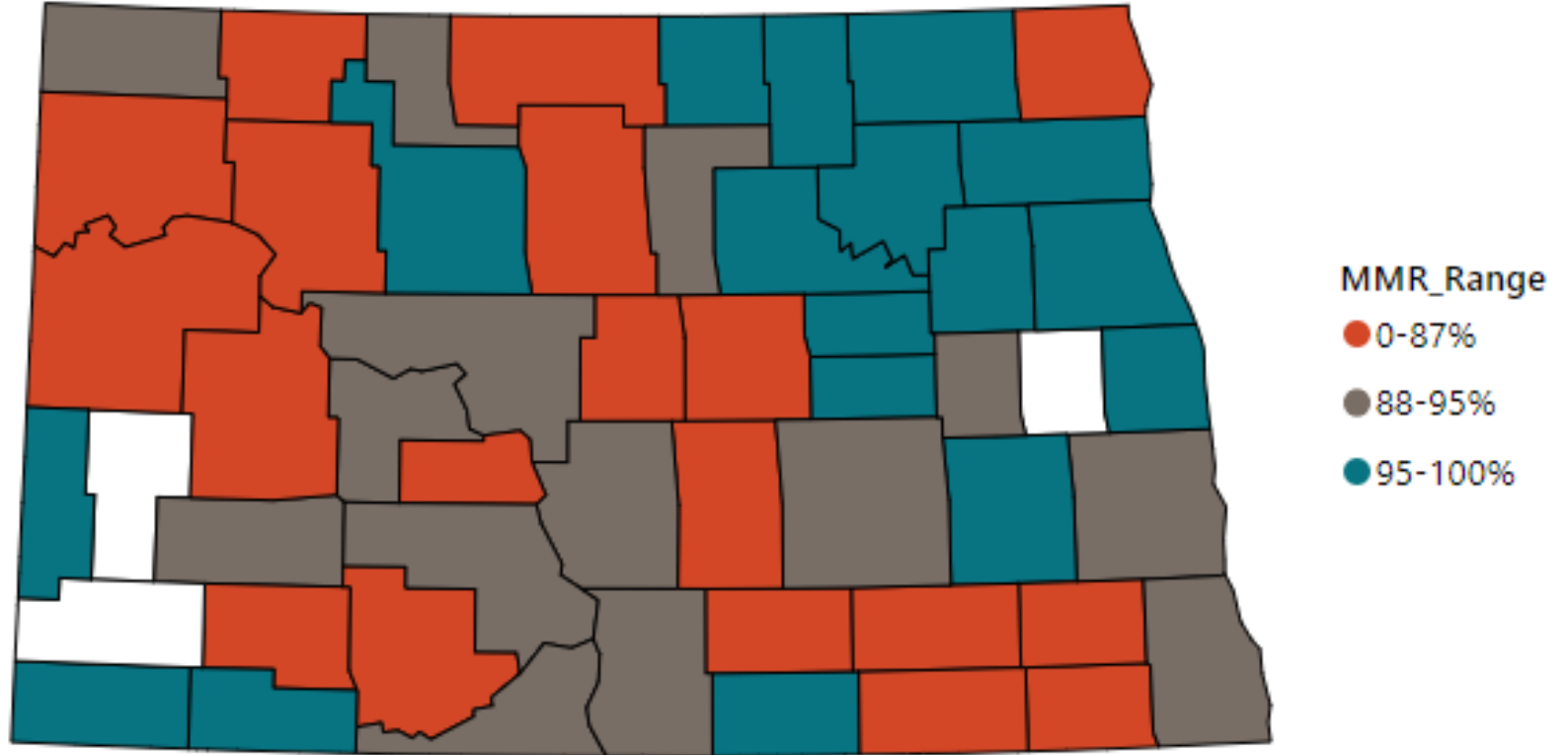
MMR: 92.2% (Range by district 52% - 100%)

Percent of Nonmedical Exemptions in ND Kindergarteners (includes religious, moral, and philosophical exemptions to any required vaccine)



Map of County 2022-2023 Kindergarten MMR Rates

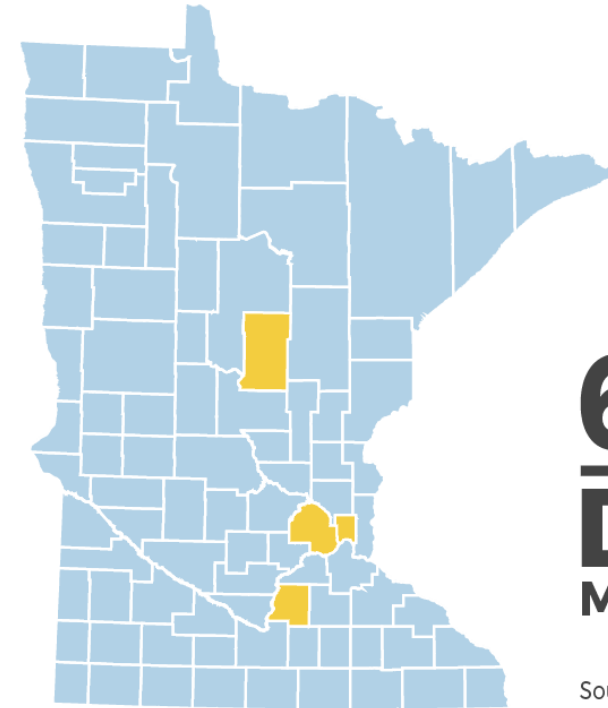
MMR Immunization Rates



Why School Vaccines are Important

Measles

- Each case of measles can infect up to 18 susceptible people, making it one of the most contagious diseases.
- Measles is a very serious illness. In recent outbreaks, nearly half of the children have required hospitalization.
- For every 1000 measles cases, 1-2 will die.
- Over 100,000 people, mostly children, die from measles every year
- **The Herd Immunity Threshold for measles is 95%**



68 Confirmed
measles cases

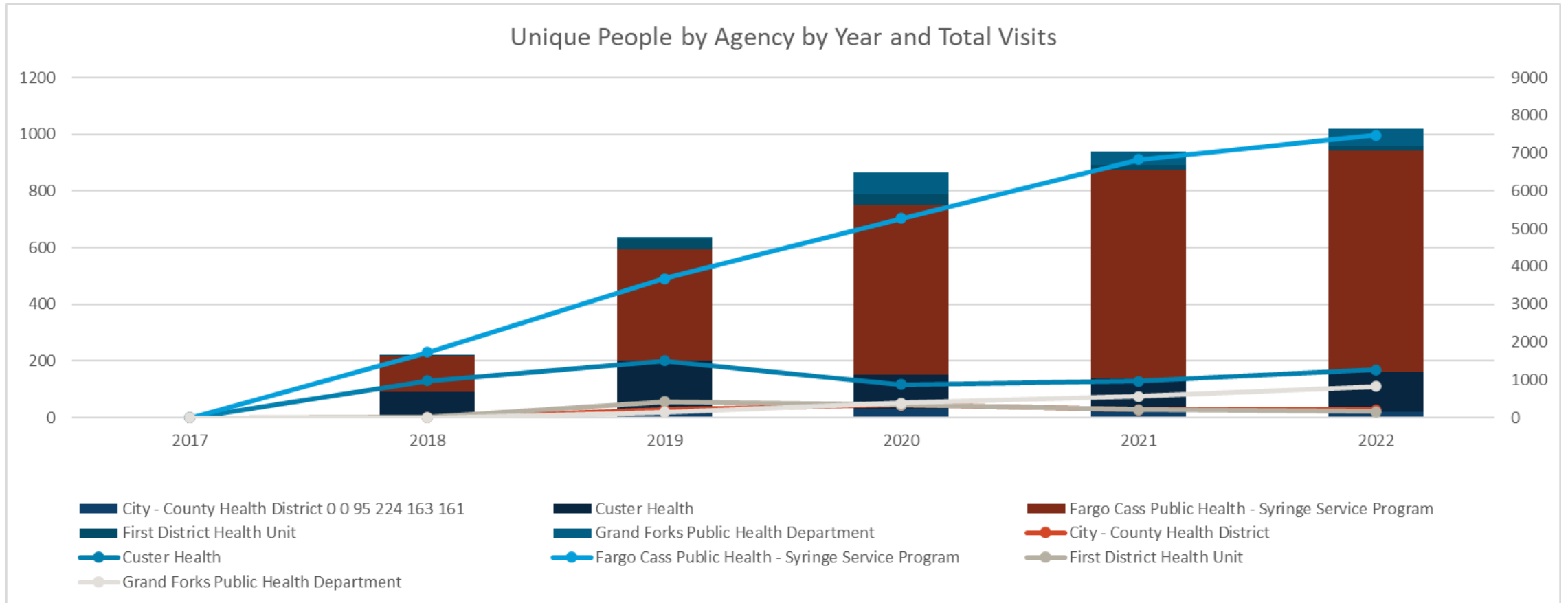
DAY 38
May 24, 2017

Source: Minnesota Department of Health

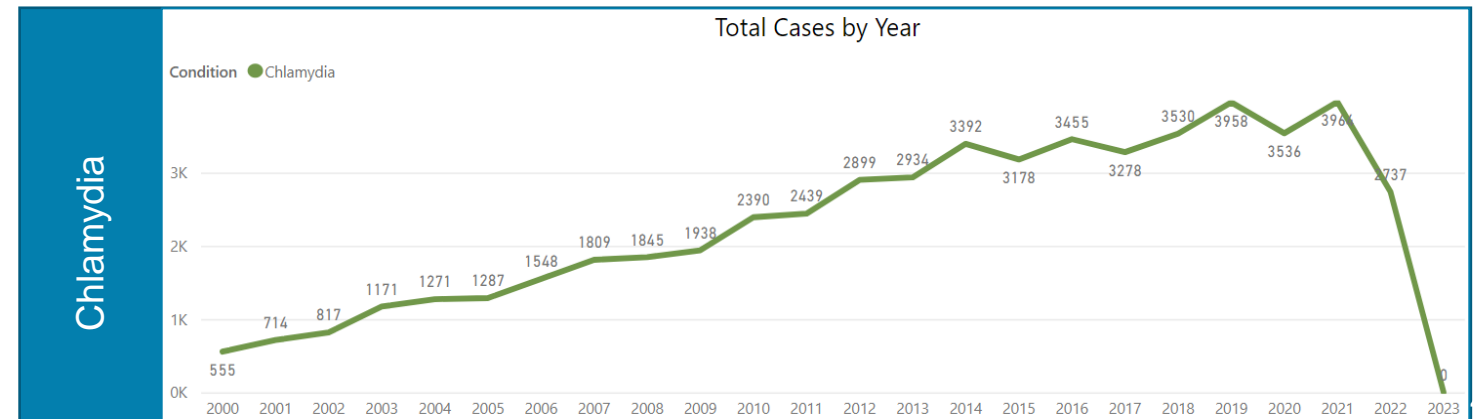
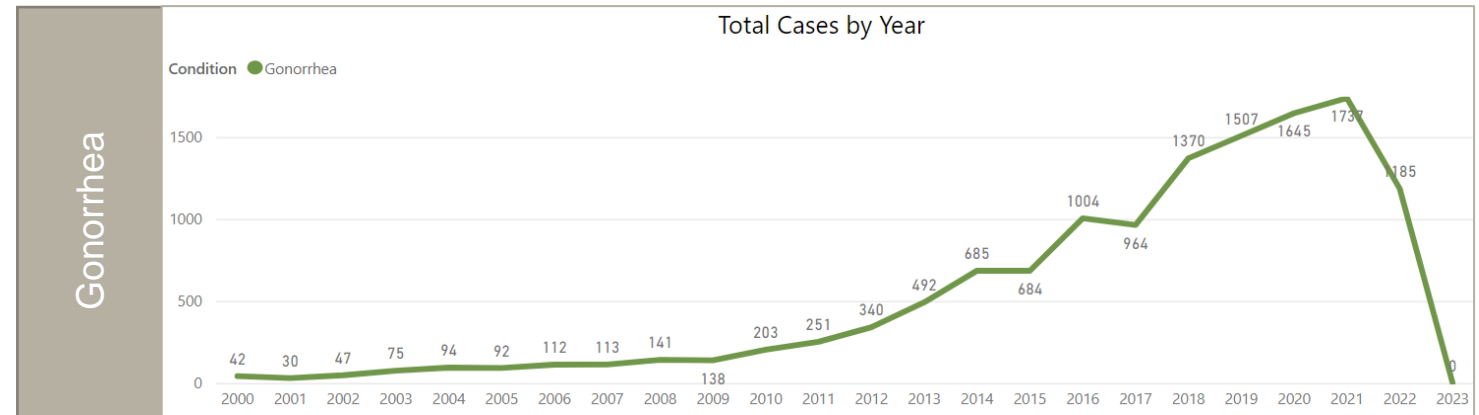
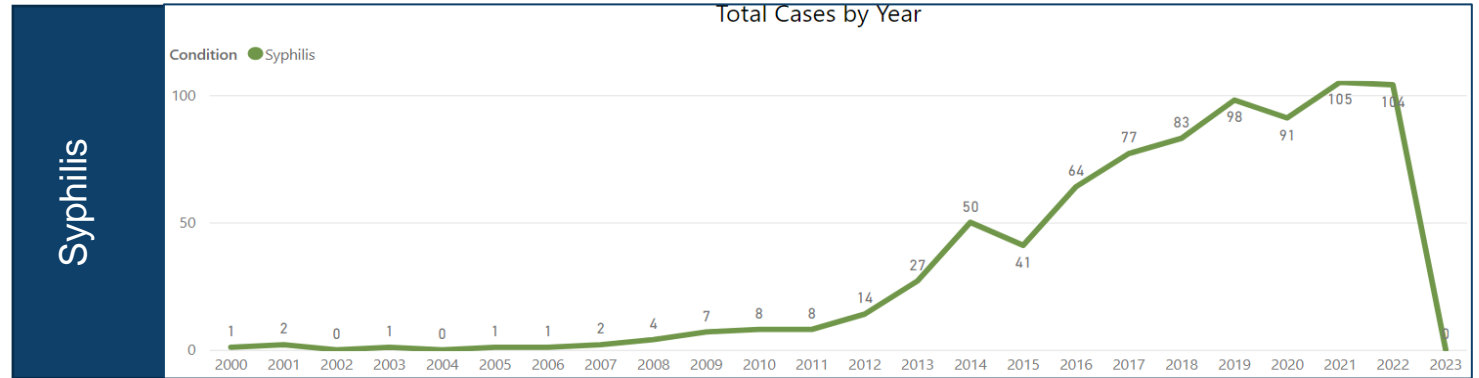
Measles in the United States

- Minnesota:
 - 22 cases in 2022
 - Mostly travel-related
- Columbus, Ohio:
 - 85 cases between October – December 2022
 - 36 hospitalized
 - 80 not vaccinated
 - 4 partially vaccinated (only one dose)
 - 1 unknown vaccination status
 - 25 cases younger than 12 months (too young to be vaccinated)
 - Over 17 childcares and schools impacted

Syringe Services, People Served and Total Visits, by Site and Year, 2017 - 2022



STI Cases by Year, North Dakota



Forensic Examiner Upgrades

Legislative support and appropriations made an impact in the **2021-2023 biennium**



COVID-19 Response



Case Work

- Case investigation
- Contact tracing
- Documentation
- Questions and guidance
- Developing systems for case management



Infection Prevention

- LTC
- Congregate Settings
- Hospitals
- Outpatient Clinics



Disease Reporting

- Updating systems to handle reports
- Work with laboratories to establish electronic reports



Vaccination

- Providing up-to-date guidance to providers and public
- Providing guidance on storage and handling
- Monitoring Coverage rates

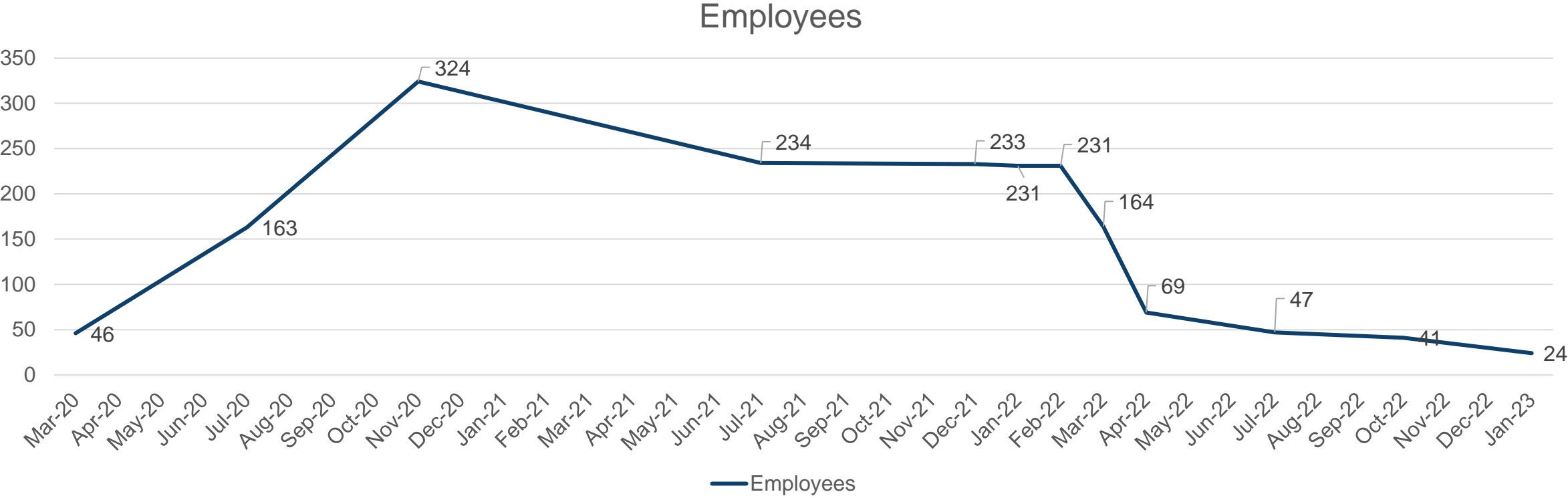


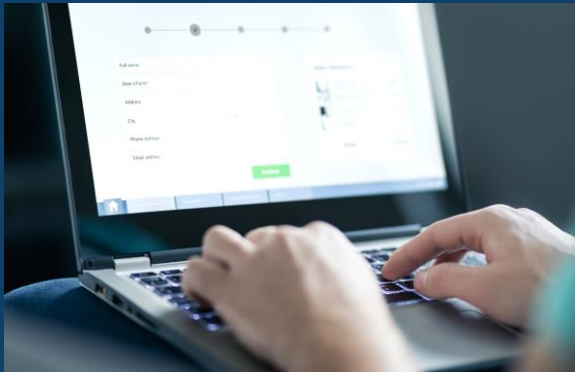
Subject Matter Assistance

- Businesses
- Travelers
- Preschool, k-12 and higher ed
- Shelters, group homes and corrections

COVID Response Team from March 2020-January 2023

Disease Control and Forensic Pathology





COVID Vaccine Funding

- Upgrade vaccine storage and handling
- Upgrades to NDIIS
- Site visits
- Provider Education (NDSU)
- Pharmacist Training
- Support to local public health
- Support Vaccine Distribution

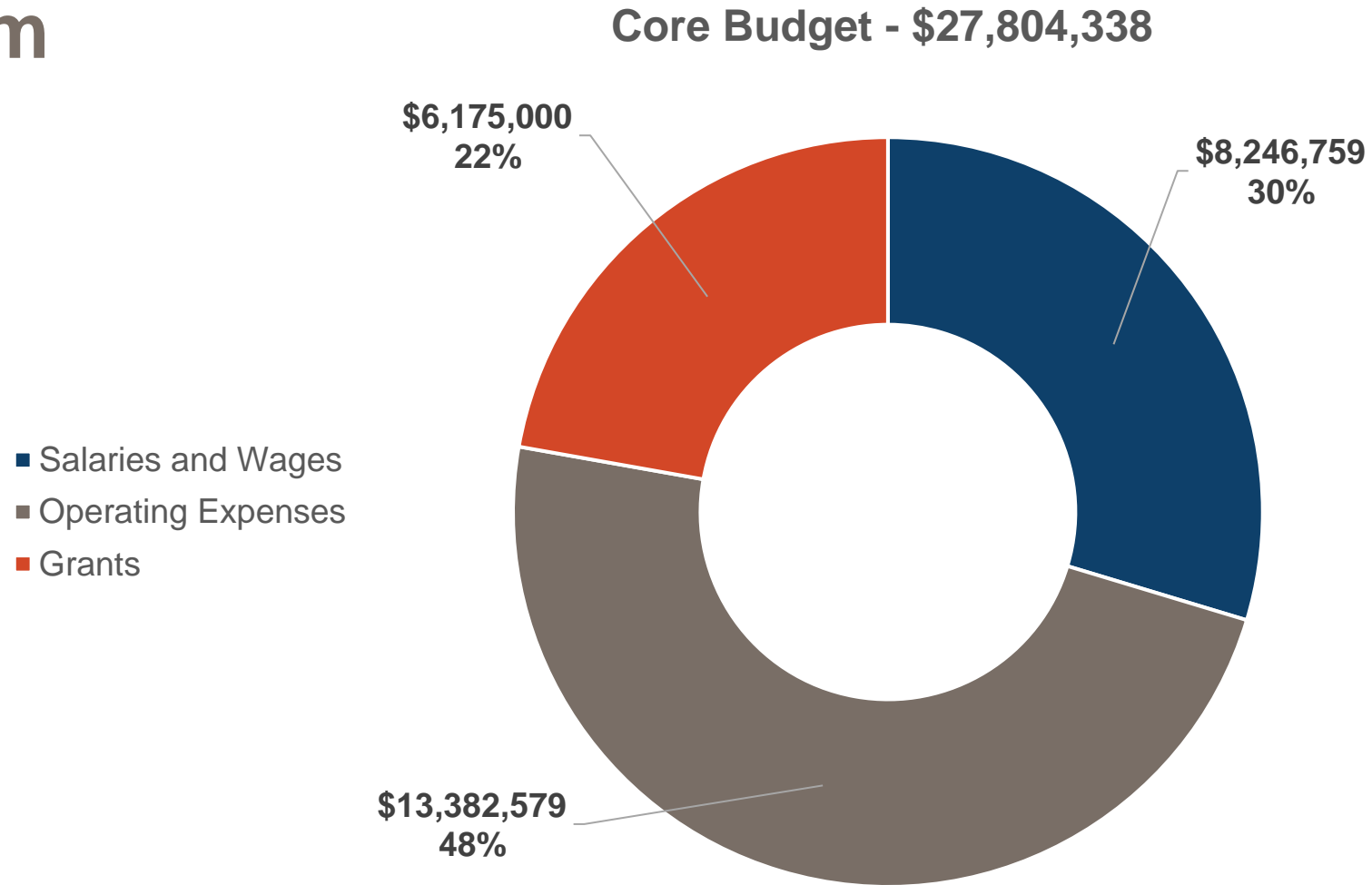


2023-2025 Budget request

**The program, systems and
workforce support
necessary to continue to
serve North Dakotans**

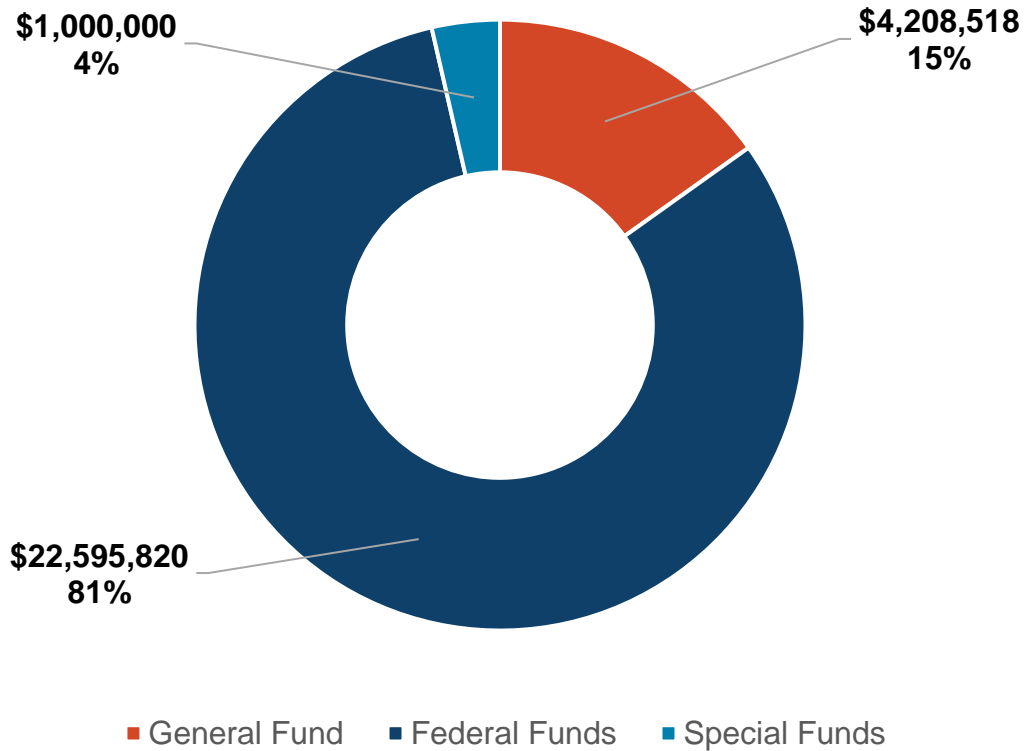
2023-25 Executive Recommendation

Core budget by line item

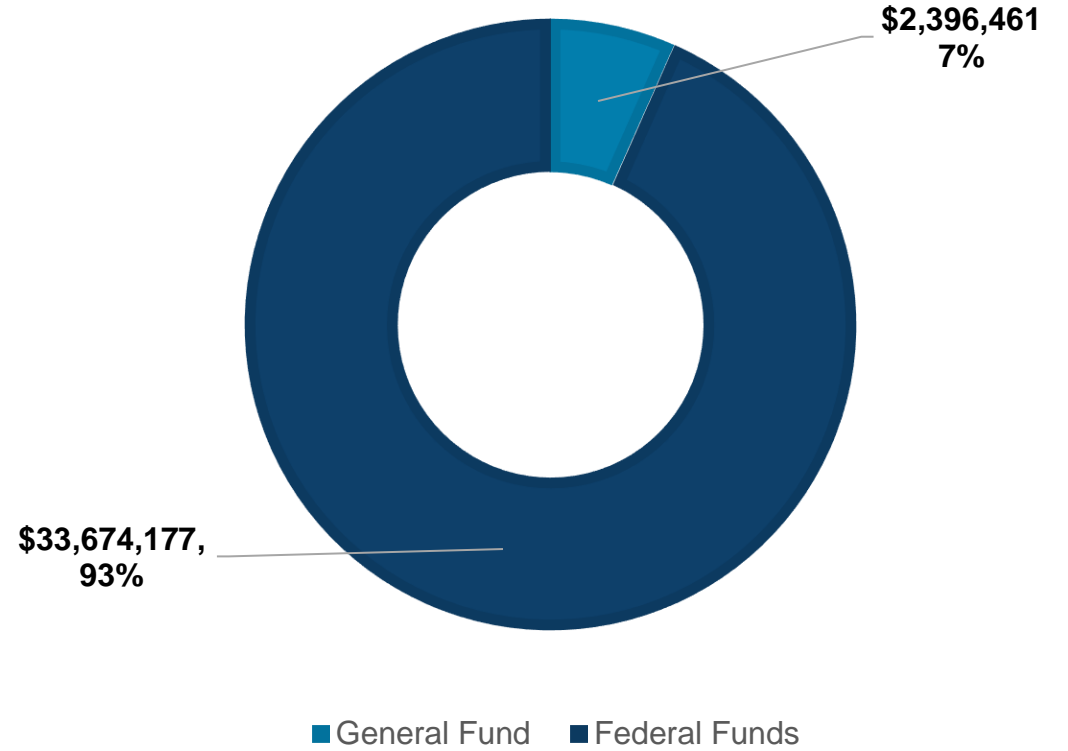


2023-25 Executive Recommendation By funding source

Core Budget- \$27,804,338

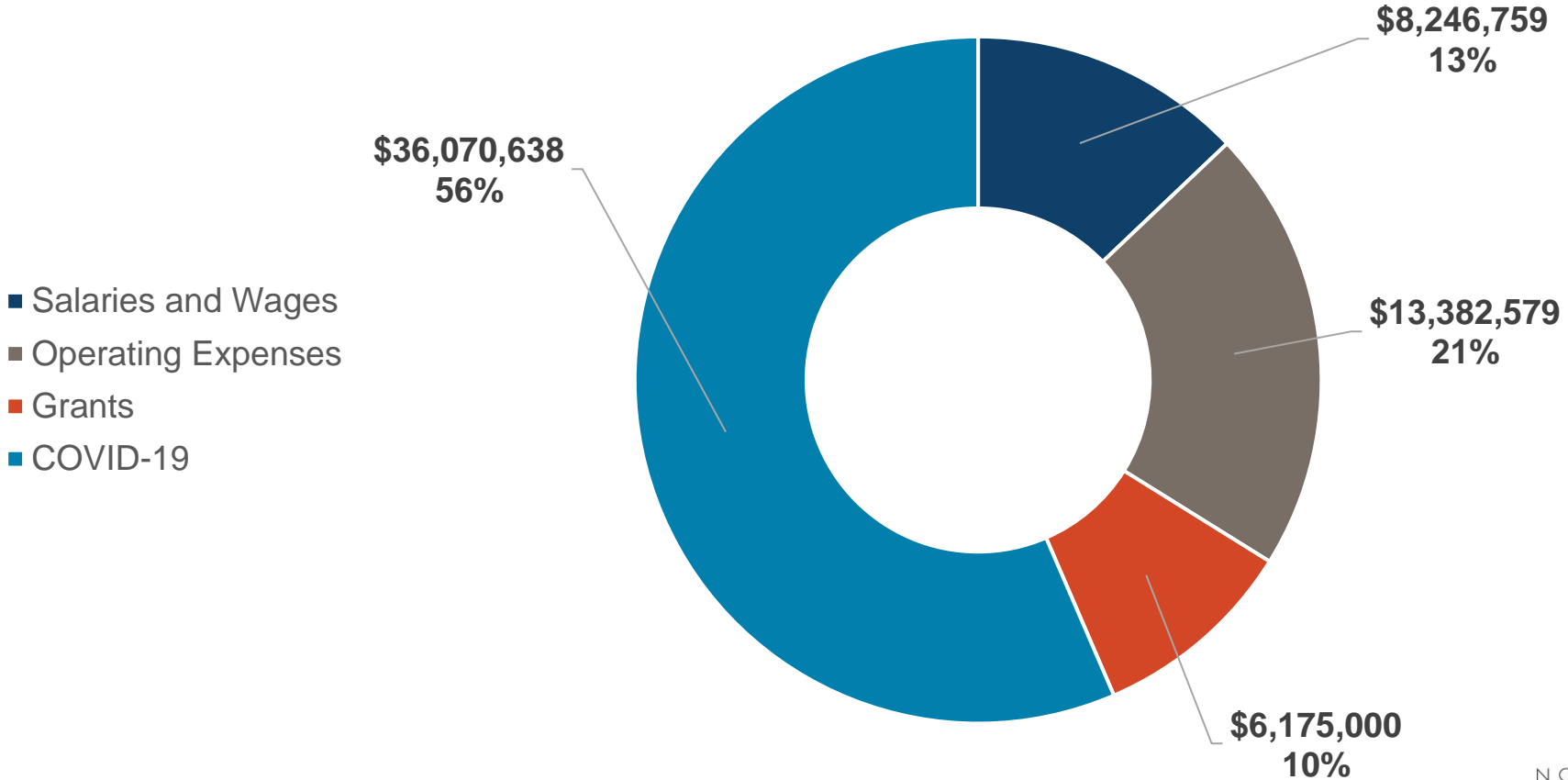


COVID-19 Budget - \$36,070,638



2023-25 Executive Recommendation By Line Item

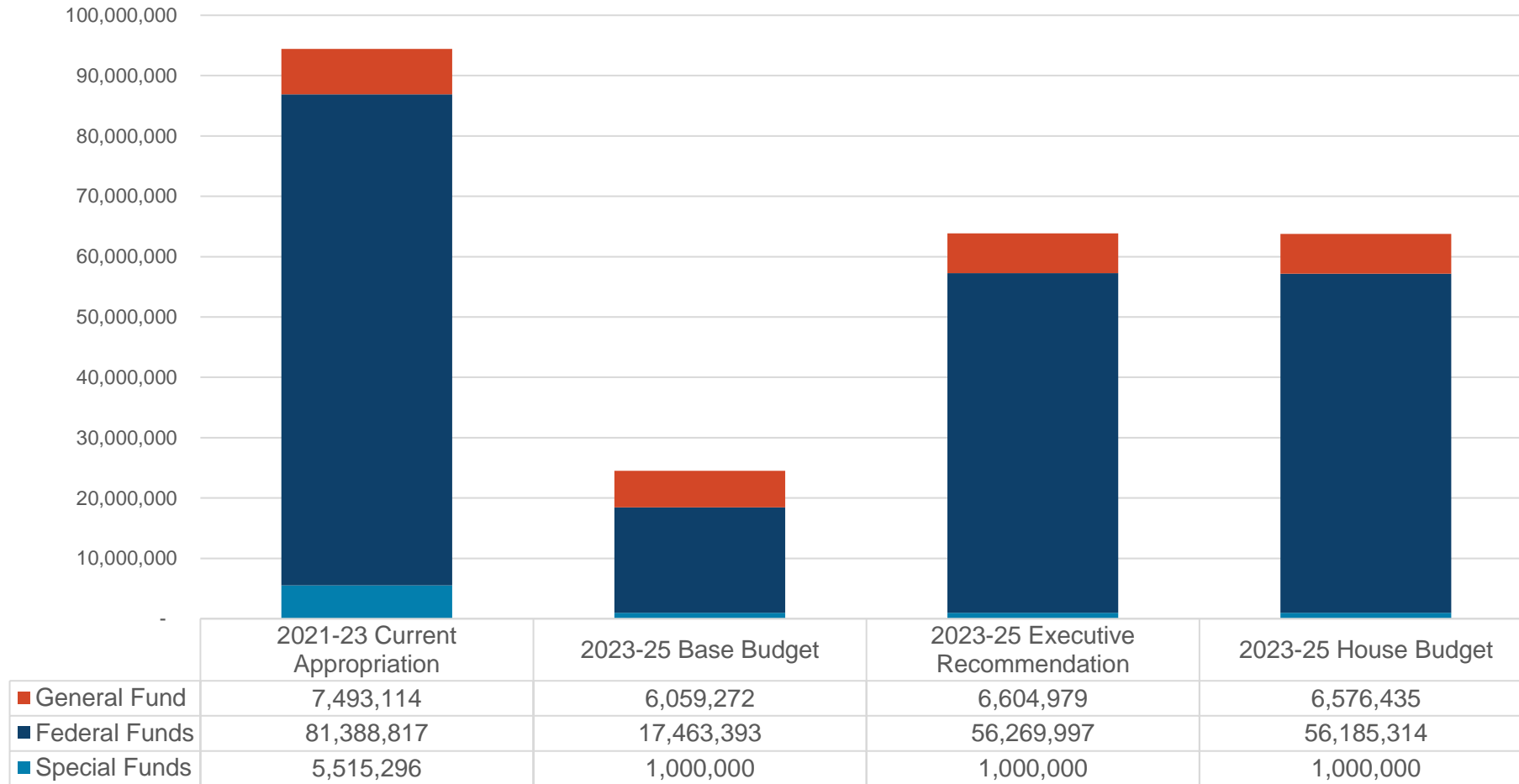
Total \$63,874,976



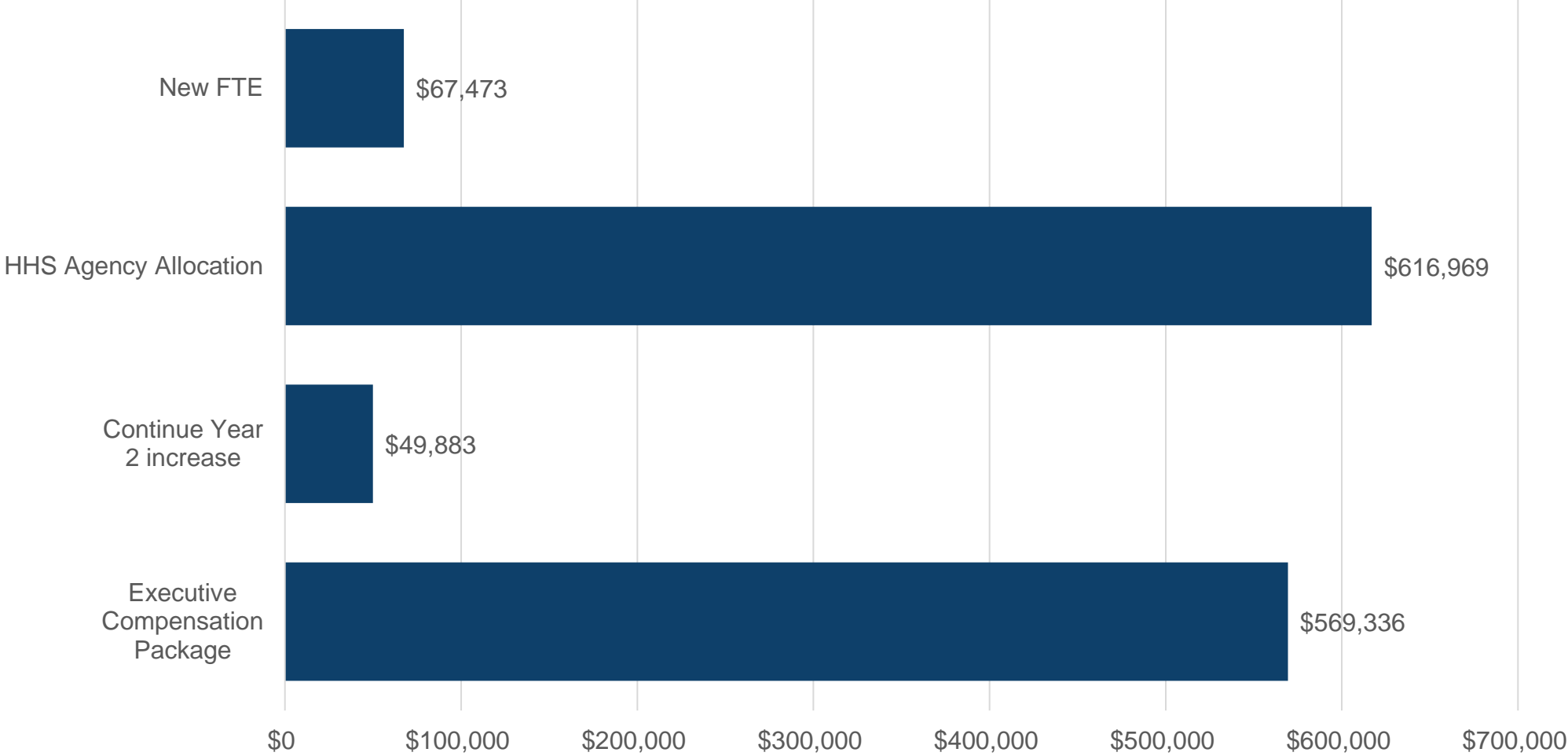
Budget Comparison

Description	2021-23 Current Appropriation	2023-25 Base Budget	Increase/ (Decrease)	2023-25 Executive Rec.	House Increase /(Decrease)	2023-25 House Budget
Salaries and Wages	6,943,097	6,943,097	1,303,662	8,246,759	(103,539)	8,143,220
Operating Expenses	10,849,065	10,849,065	2,533,514	13,382,579	0	13,382,579
Capital Assets	986,765	76,765	(76,765)	0	0	0
Grants	4,150,600	4,150,600	2,024,400	6,175,000	0	6,175,000
COVID-19	71,467,700	2,503,138	33,567,500	36,070,638	(9,688)	36,060,950
FTE	32.0	32.0	1.0	33.0	0	33.0

Overview of Funding Changes



Major Salary & Wage Differences



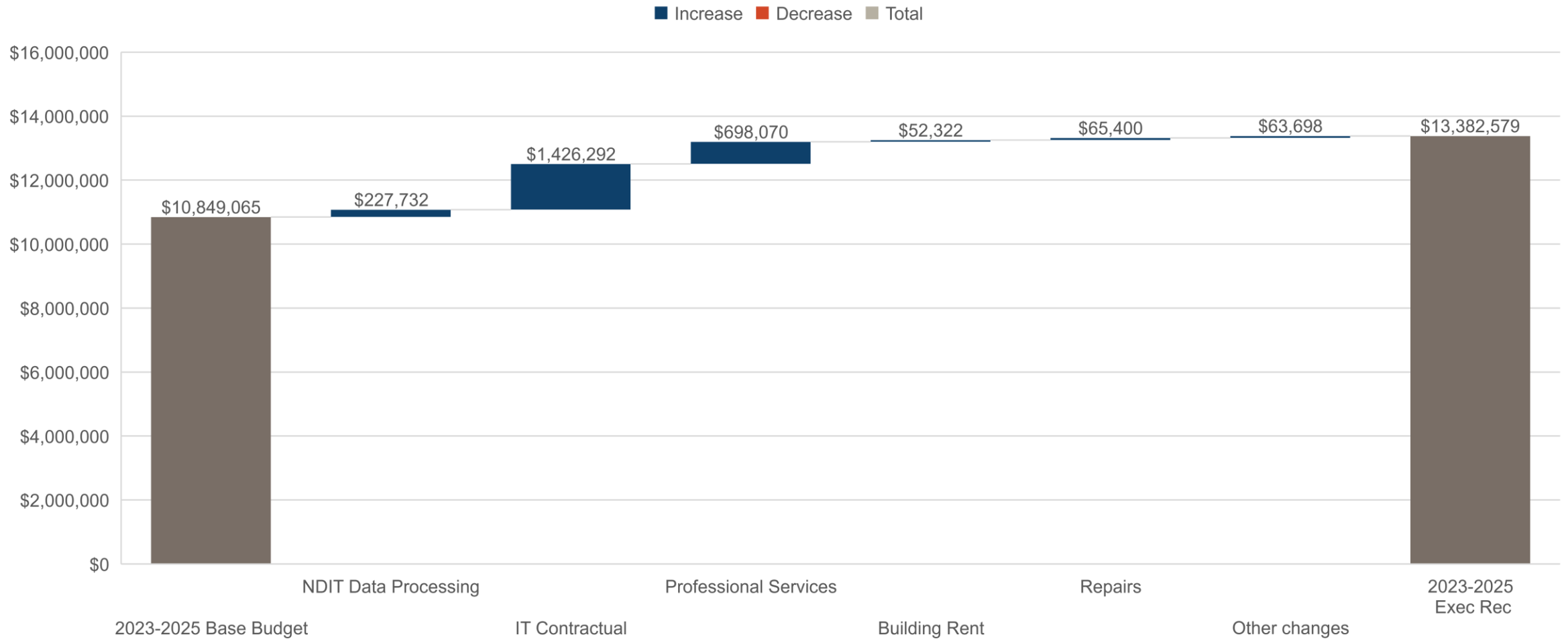
Operating Differences Detail

Description	2023-25 Base Budget	Increase/ (Decrease)	2023 - 25 Executive Budget	House Increase / (Decrease)	2023 - 25 House Budget
Travel	238,441	(7,241)	231,200	0	231,200
IT - Software/Supp.	38,457	(2,000)	36,457	0	36,457
Professional Supplies & Materials	58,932	-	58,932	0	58,932
Buildings/Vehicle Maintenance Supplies	12,990	248	13,238	0	13,238
Miscellaneous Supplies	6,283	686	6,969	0	6,969
Office Supplies	25,254	60	25,314	0	25,314
Postage	125,640	75,535	201,175	0	201,175
Printing	60,183	20,000	80,183	0	80,183
IT Equip Under \$5000	24,850	(24,850)	-	0	-
Utilities	84,562	-	84,562	0	84,562
Lease/Rentals - Equipment	10,341	400	10,741	0	10,741
Lease/Rentals-- Buildings/Land	46,508	52,322	98,830	0	98,830

Operating Differences Detail, cont.

Description	2023-25 Base Budget	Increase/ (Decrease)	2023 - 25 Executive Budget	House Increase / (Decrease)	2023-25 House Budget
Repairs	45,450	65,400	110,850	0	110,850
IT-Data Processing	458,035	227,732	685,767	0	685,767
IT-Telephone	69,610	60	69,670	0	69,670
IT - Contractual Services	1,178,875	1,426,292	2,605,167	0	2,605,167
Professional Development	67,480	-	67,480	0	67,480
Operating Fees & Services	72,479	800	73,279	0	73,279
Professional Services	3,598,370	698,070	4,296,440	0	4,296,440
Medical, Dental, and Optical	4,626,325	-	4,626,325	0	4,626,325
Total Operating	10,849,065	2,533,514	13,382,579	0	13,382,579

Major Operating Differences



Grant Detail

Description	2021-23 Current Appropriation	Increase/ (Decrease)	2023-25 Base Budget	Increase / (Decrease)	2023-25 Executive Budget	2023-25 General Fund	2023-25 Federal Funds	2023-25 Special Funds
Immunization Program to LPHU and Other Immunization Partners	1,760,000	-	1,760,000	(10,000)	1,750,000		1,750,000	
Immunization Program to NDSU	300,000	-	300,000	300,000	600,000		600,000	
Epidemiology and Laboratory Capacity for Vector Control and Mosquito Net	35,000	-	35,000	(30,000)	5,000		5,000	
Ryan White Case Management Contracts	1,368,000	-	1,368,000	1,432,000	2,800,000		2,800,000	
HIV / Hepatitis C Prevention - CTR Contracts to LPHU for patient testing/rapid testing	376,000	-	376,000	24,000	400,000	50,000	350,000	
TB Surveillance contracts to LPHU	71,600	-	71,600	8,400	80,000		80,000	
Hepatitis with Family Healthcare - provider education and treatment management	240,000	-	240,000	(60,000)	180,000		180,000	
Integrated HIV Prevention and Care Advisory Board Community Based Education	-	-	-	100,000	100,000		100,000	
Epidemiology and Laboratory Capacity for Antimicrobial Resistance and Antibiotic Stewardship Expert to NDSU	-	-	-	260,000	260,000		260,000	
Total Grants	4,150,600	-	4,150,600	2,024,400	6,175,000	50,000	6,125,000	-

Summary and Key Takeaways

1

Reduce illness and preventable deaths by understanding causes and increasing prevention.

2

Reducing infectious disease and preventable deaths contributes to a healthier state.

3

North Dakotans living healthier lives are happier and more productive.

4

Legislative support for key programs and staffing further enhances our ability to better understand and prevent deaths and infectious diseases.





THANK YOU

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