

House Bill 1004

Disease Control and Forensic Pathology Section

Kirby Kruger

Department of Health and Human Services

Public Health Division | January 16, 2023



Health & Human Services

DISEASE CONTROL & FORENSIC PATHOLOGY ORGANIZATIONAL CHART



SECTION DIRECTOR Kirby Kruger Assistant Section Director ADMINISTRATIVE SUPPORT Molly Howell~ MPH Brandy Chap, Lead Admin Assistant IT SUPPORT Christina Pieske, Immunization Admin Asst Grason Move ^~ Business App Support Specialist Jennifer Markwed, Admin Assistant SEXUALLY TRANSMITTED & BLOODBORNE DISEASES FIELD SERVICES **EPIDEMIOLOGY & SURVEILLANCE IMMUNIZATIONS**

Brenton Nesemeier, MS, Director

Central Gino Jose

East Brenton Nesemeier ~ Luke Unger

East Central Jennifer Schmidt ~ Deanna VanBruggen

> North Central Linda Larson

Northeast

Rachel Goebel ~ Crystal Duncan

West

Heather Kontz ~ Sarah Favorite

COVID Case Managers

Allison Klassen ~ Amanda Havon DeAnn Wilson ~ Katelyn Nelson

Michelle Dethloff, Director

COVID Program

Vacant~ Manager Abbey Fraser ~ Abby Folson Jenna Beilke~ Jill Hanson~ Robert Peters

Electronic Surveillance Systems

Ben Schram, Manager Levi Schlosser, Respiratory Surveillance Donna Davidson, HIS Data Quality Jeannie Woolston ~ John Fosu

Enteric/Zoonotic Disease Surveillance Slate Bover

> Genomic Epidemiologist Daniel Evans

Healthcare Associated Infections/ Infection Prevention

Faye Salzer, Manager Nicole Droll, Lead Nurse Consultant HAI Nurse Consultants Angela Reinarts ~ Carla Cabahug Eric Appiah ~ Heather Lindsley ~ Katherine Griffith ~ Katelyn Glatt ~ Maria Sacayanan Megan Compson ~ Morgan Messer Sherry Walters, Hospital SME Diego Huerta, NHSN Lead Nicole Galler~ Project Firstline +

West Nile/Vectorborne/General Epi Amanda Bakken

Molly Howell, MPH, Director

Adult Immunizations

Jenny Galbraith, Manager Michelle Eberhardt ~ Kristen Vetter Andrew Bjugstad ~ Tori Nelson Deborah Jones. Health Educator +

Immunization Surveillance Danielle Pinnick

North Dakota Immunization Information System (NDIIS)

Mary Woinarowicz, Manager Allison Dykstra ~ Melissa Anderson Ronda Kercher ~ Olenka Aquilar +

Vaccines for Children/QI

Abbi Berg, Manager Miranda Baumgartner, West Allison Schweitzer, East

CDC Public Health Advisor Lvnde Monson *

Lindsey VanderBusch, MPH, Director

Data Quality & Performance Sandy Nasr

HIV.STI.Hepatitis Prevention Sarah Weninger

HIV.STI.Hepatitis Surveillance Shari Renton ~ Madison Klein

Ryan White Program Coordinator Gordana Cokrlic

TB Prevention & Surveillance Laura Cronquist

FORENSIC EXAMINER Barrie Miller, MD, Director

Office Administrator Austin Strevle

Autopsy Technician Anika Butts

^ NDIT Staff

+ CDC Foundation Staff

* CDC Staff

Last Updated: January 2023

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 <u>Diseases</u>

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 frontline 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 ProgramTelehealth 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 ProgramPossible rabies exposure follow-ups,
West Nile, Tickborne and others.



HAI PreventionProviding safer healthcare for patients and staff.

Programs and Services for North Dakotans



HAI Prevention78 ICAR assessments in 2022.



Antibiotic Stewardship
Contract with NDSU School of
Pharmacy (CAP Center).



Forensic Examiner 200 autopsies in 2021.



STI and Behavioral Health Collaborative Increase services to citizens.



NDIIS411,591 immunization records provided since July 2021.



HIV PreventionPerinatal 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 does 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

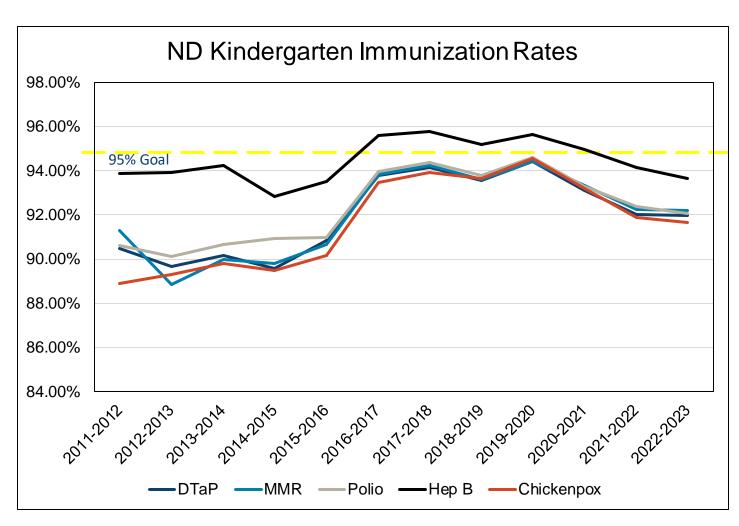
Foodborne and enteric illness, STI's, bloodborne infections, HAIs

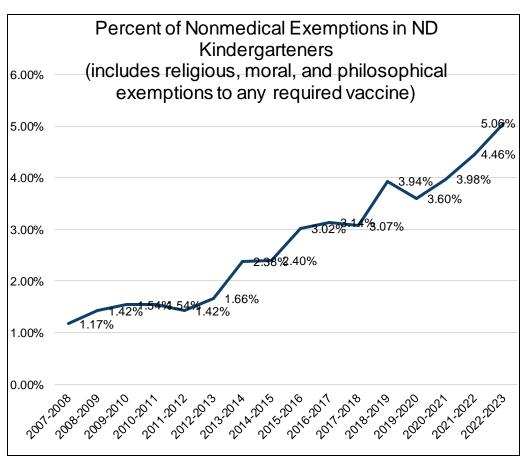
General Immunization Activities

52% of North Dakota children are VFC eligible



School Immunization Rates – North Dakota







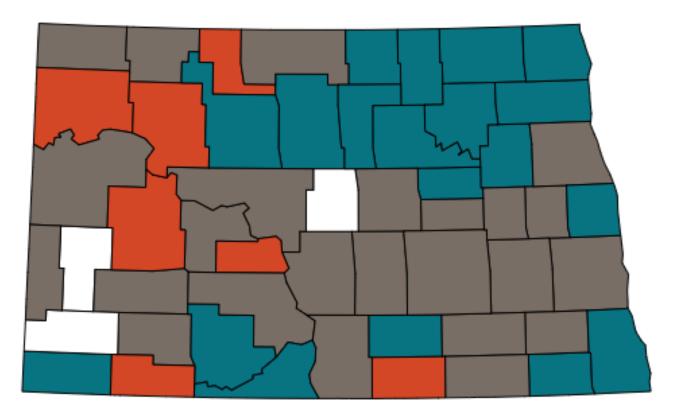
Map of County MMR Rates

95-100%

90-94%

0-89%

Kindergarten MMR Rates, by County

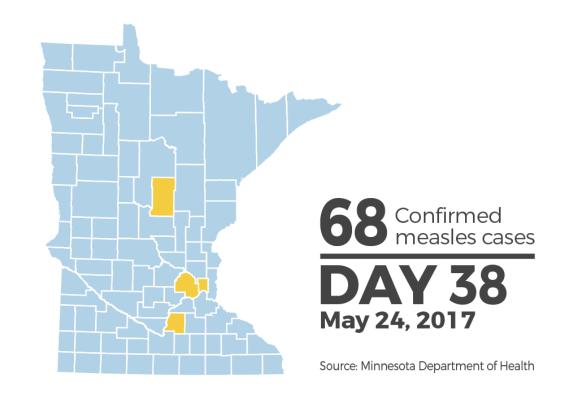


Range: 75.00% -100%

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%



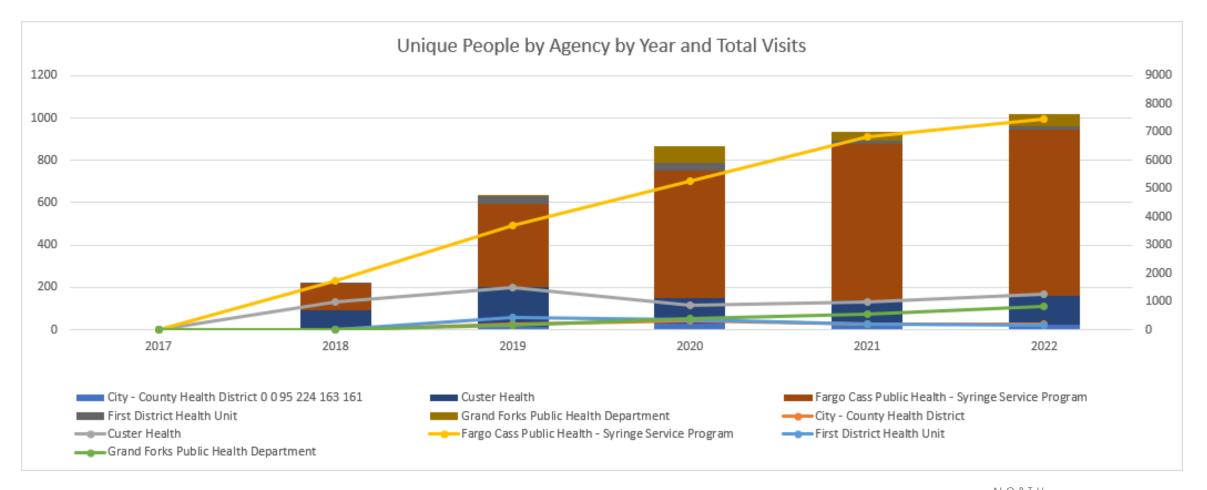


Measles in the United States

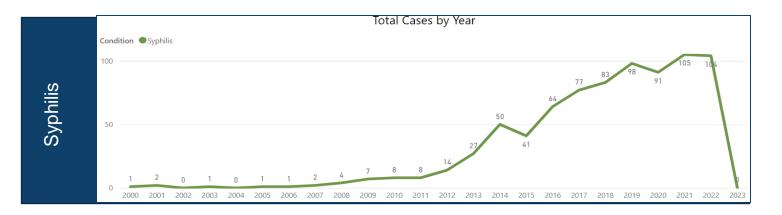
- Minnesota:
 - 22 cases in 2022
 - Mostly travel-related
- Ohio: (ongoing outbreak: data as of 01/12/2023)
 - 83 cases since November 2022
 - 33 hospitalized
 - 78 not vaccinated
 - 4 partially vaccinated (only one dose)
 - 1 unknown vaccination status
 - 23 cases younger than 12 months (too young to be vaccinated)
 - 66% of cases are ages 1-5
 - Over 17 childcares and schools impacted

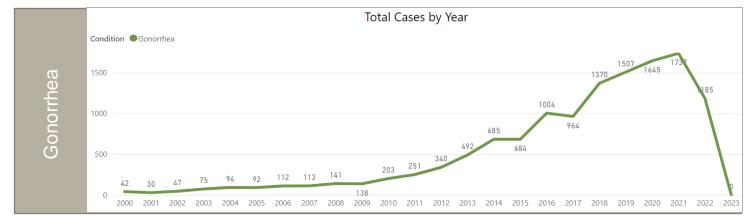


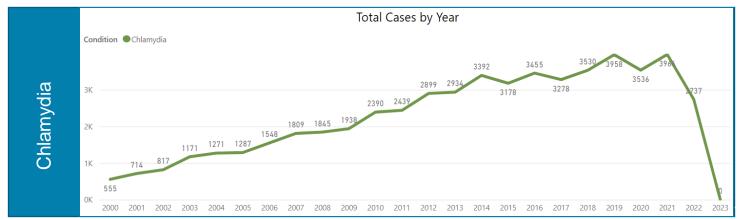
Syringe Services, People Served and Total Visits, by Site and Year, 2017 - 2022



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

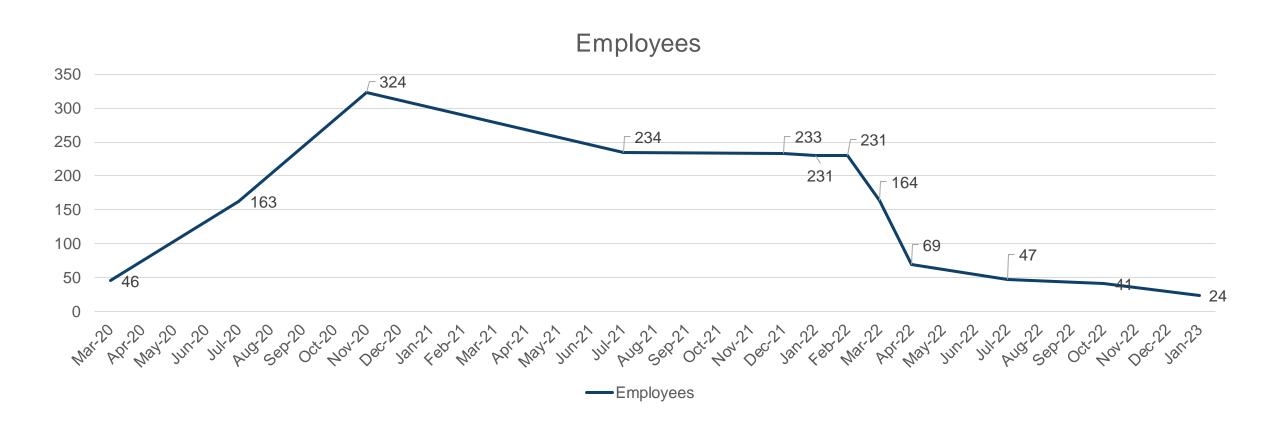
- Providing up-to-date guidance to providers and public
- Providing guidance on storage and handling
- Monitoring Coverage rates



Subject Matter Assistance

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

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

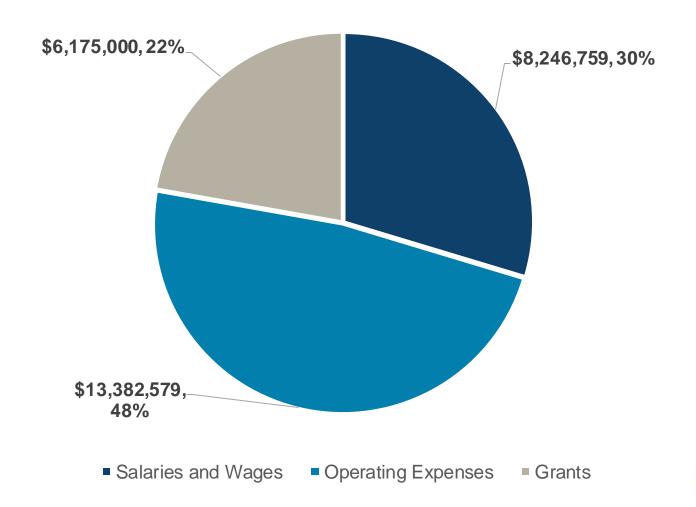
The program, systems and workforce support necessary to continue to serve North Dakotans



2023-25 Executive Recommendation

Core Budget By Line Item

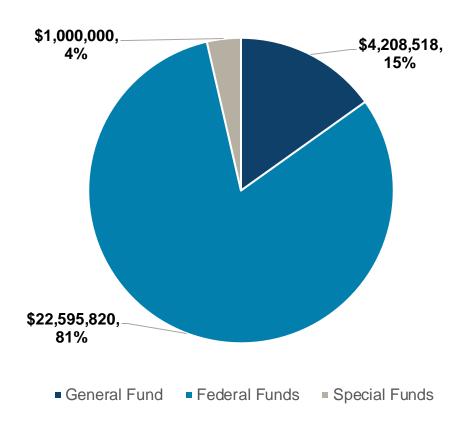
Core Budget - \$27,804,338



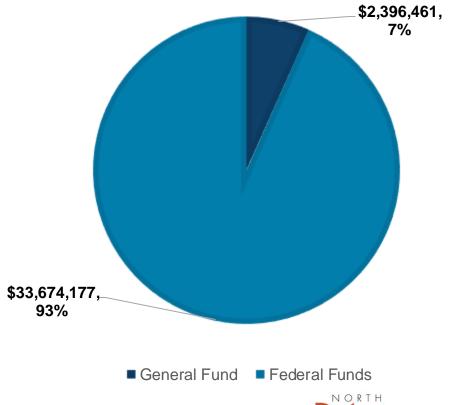


2023-25 Executive Recommendation By Funding Source

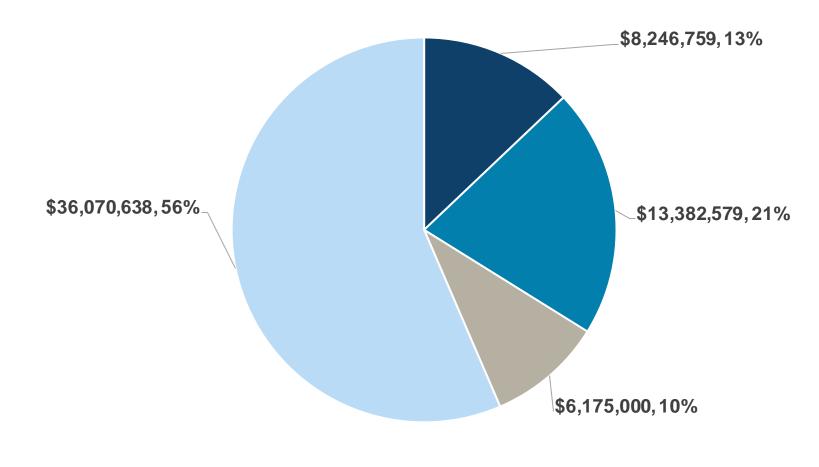
Core Budget- \$27,804,338



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



2023-25 Executive Recommendation By Line Item



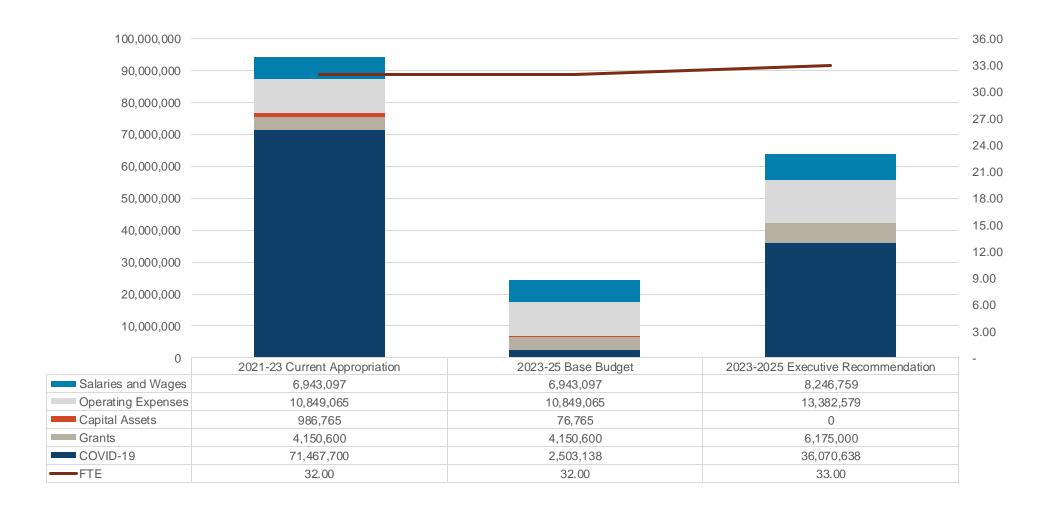


Comparison

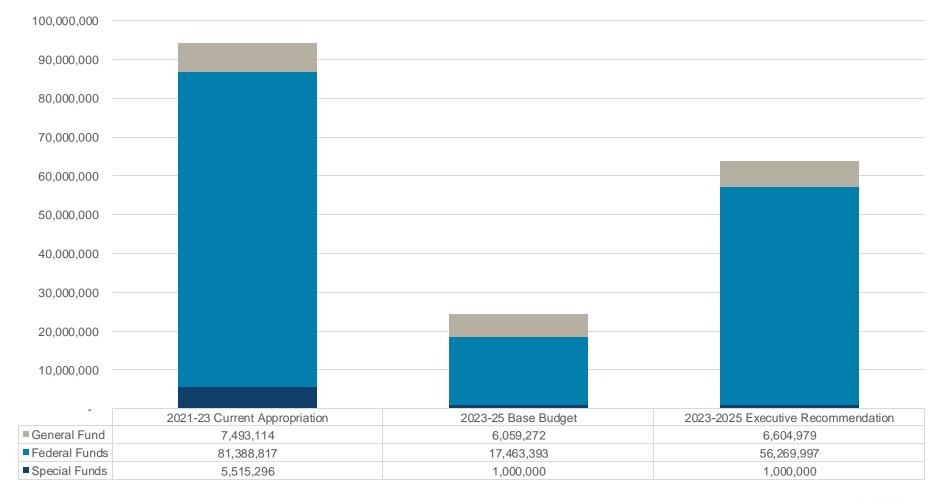
Description	2021-23 Current Appropriation	2023-25 Base Budget	Increase/ (Decrease)	2023-25 Executive Rec.
Salaries and Wages	6,943,097	6,943,097	1,303,662	8,246,759
Operating Expenses	10,849,065	10,849,065	2,533,514	13,382,579
Capital Assets	986,765	76,765	(76,765)	0
Grants	4,150,600	4,150,600	2,024,400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



Overview of Budget Changes



Overview of Funding Changes

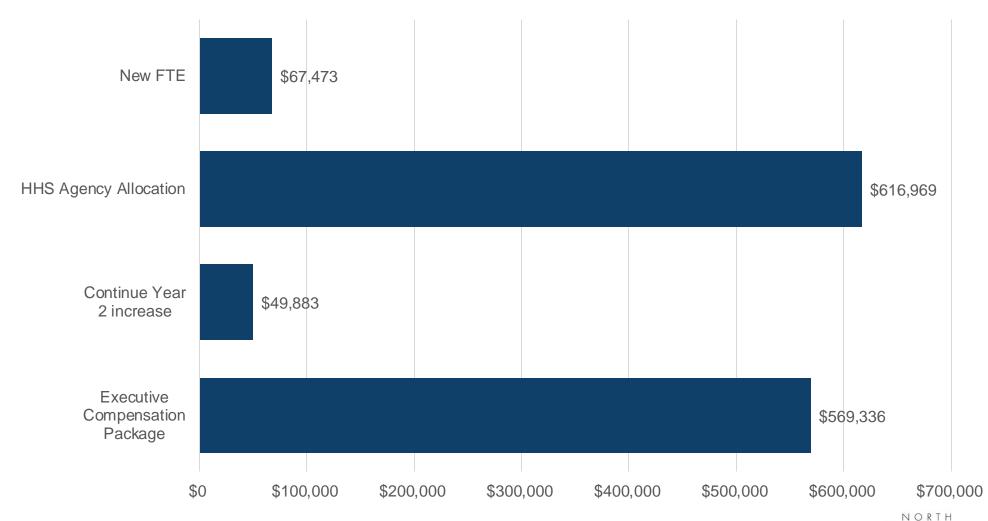


COVID Funding - Moving Forward

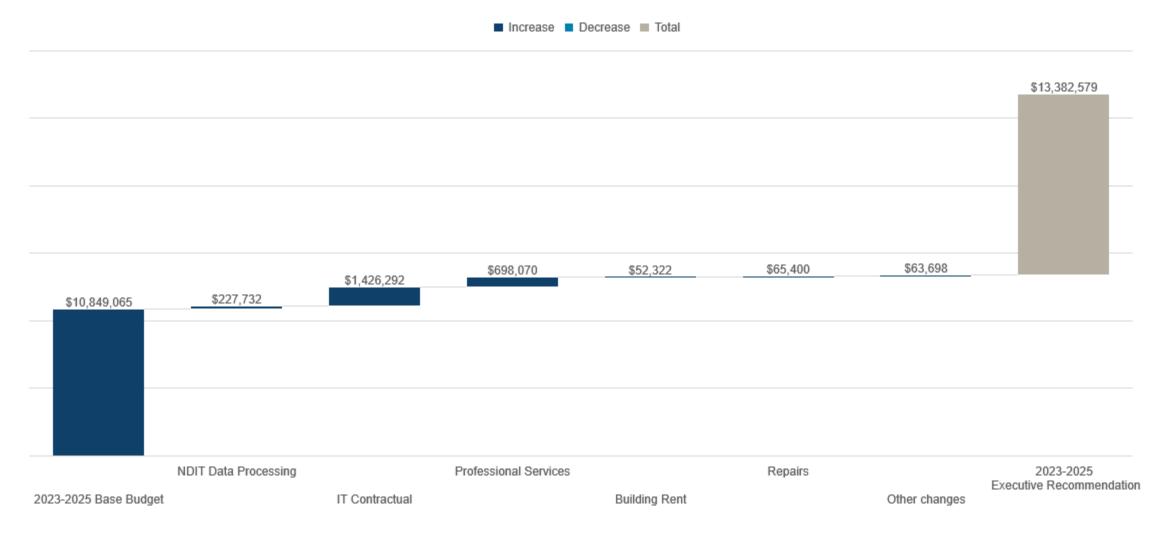
Federal grants will allow for disease prevention infrastructure and cross-cutting activities.

- Public health response data demands.
- NDIIS and Maven modernization.
- HAI prevention activities.
- Advanced molecular detection.
- Antimicrobial surveillance and stewardship.
- Increasing immunization rates for all immunizations.
- Transitioning COVID vaccine from a federal asset to the private market.

Major Salary & Wage Differences



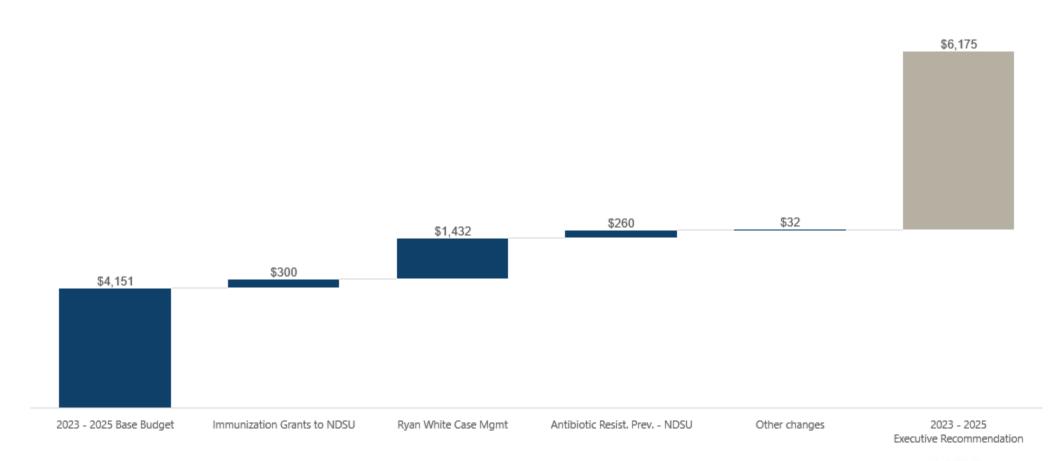
Major Operating Differences





Major Grant Differences

(in thousands)

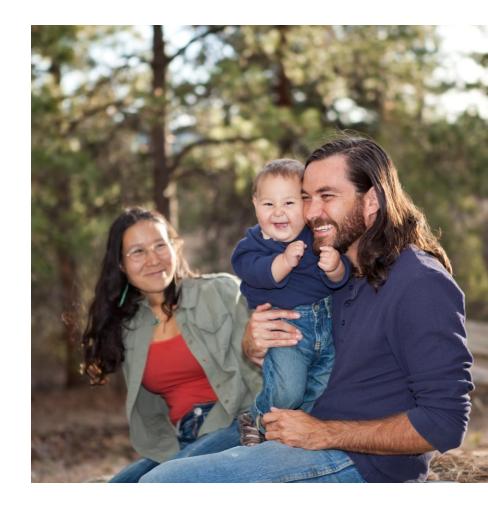


■ Increase ■ Decrease ■ Total



Summary and Key Takeaways

- Reduce illness and preventable deaths by understanding causes and increasing prevention.
- Reducing infectious disease and preventable deaths contributes to a healthier state.
- North Dakotans living healthier lives are happier and more productive.
- 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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