

North Dakota Medicaid-Match for IIS

September 23, 2025

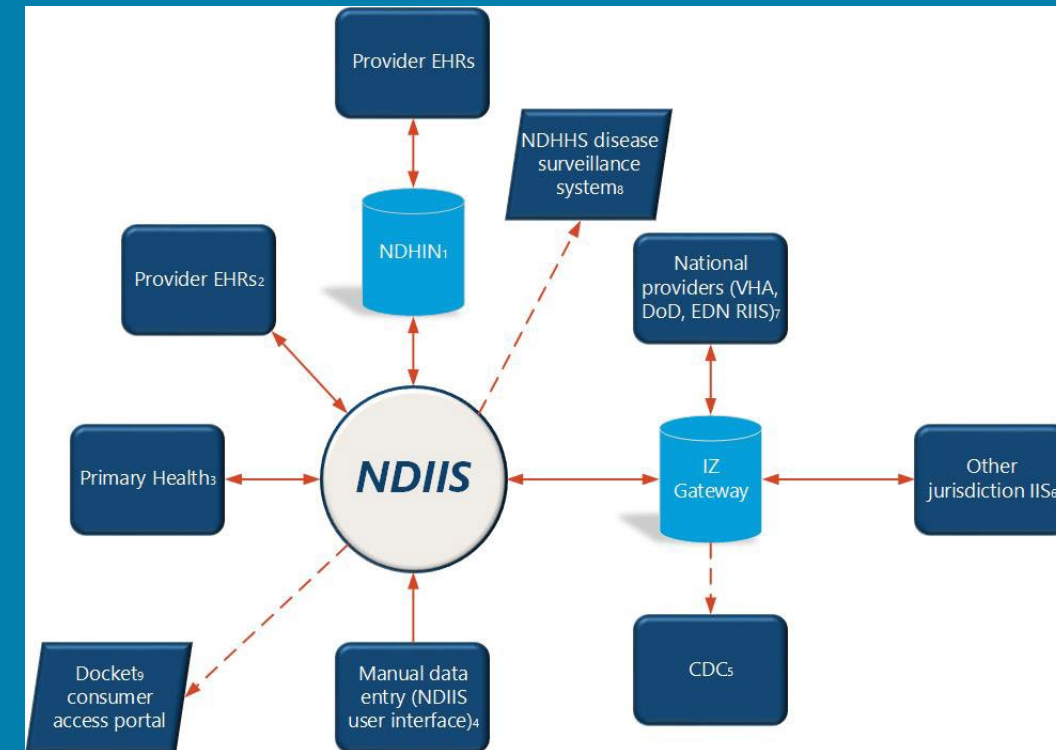
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Health & Human Services

North Dakota Immunization Information System

- The NDIIS was established in 1988 as an access database.
- The first web-based version of the NDIIS became available in 1996.
- Throughout the years, the NDIIS has added various functionality and upgrades.
- In November of 2024, a new, modernized version of the NDIIS was implemented taking the system into the future.
- Blue Cross Blue Shield of North Dakota developed and currently maintains the NDIIS.



NDIIS Overview



- 1.5 million active patient records
- Lifespan system
- 100% of ND residents have a record in NDIIS



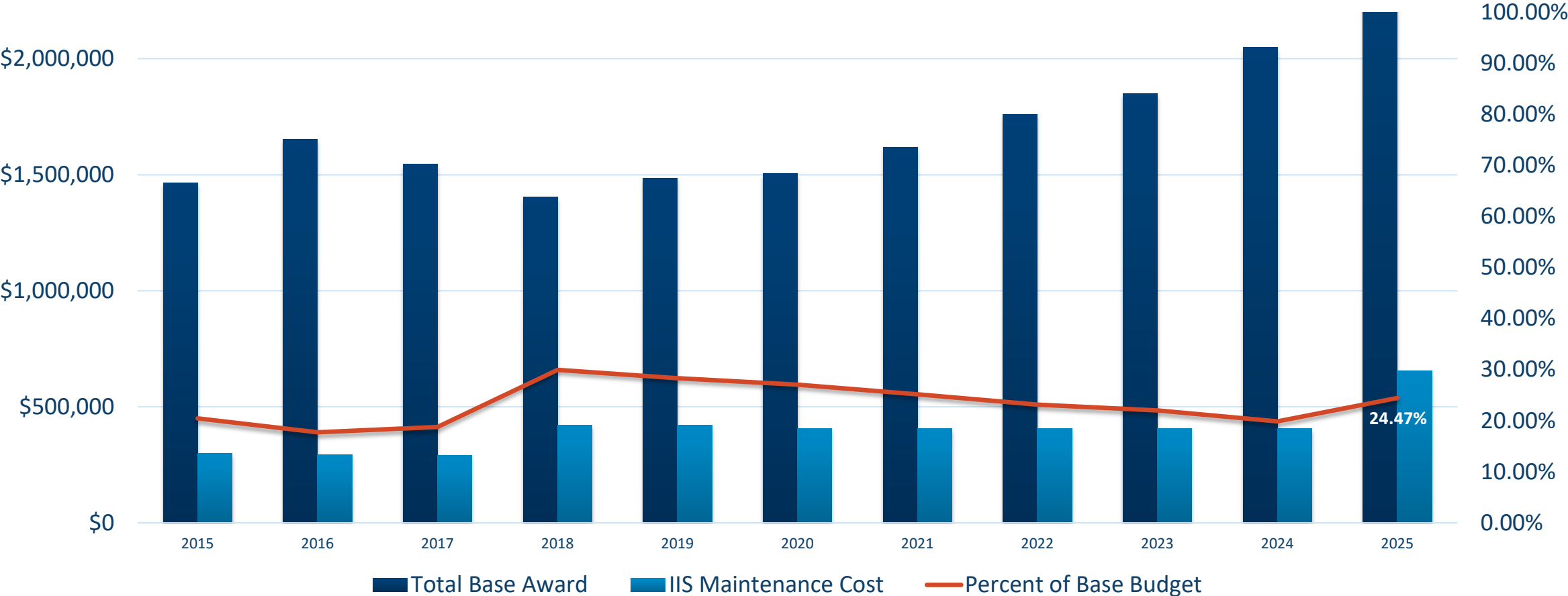
- 23 million dose records
- 93% of doses entered within 1 day
- 99% of doses entered within 30 days



- 525 individual provider sites sending data from their EHR
- Average 132,000 immunization messages per month
- Average 660,000 query messages per month

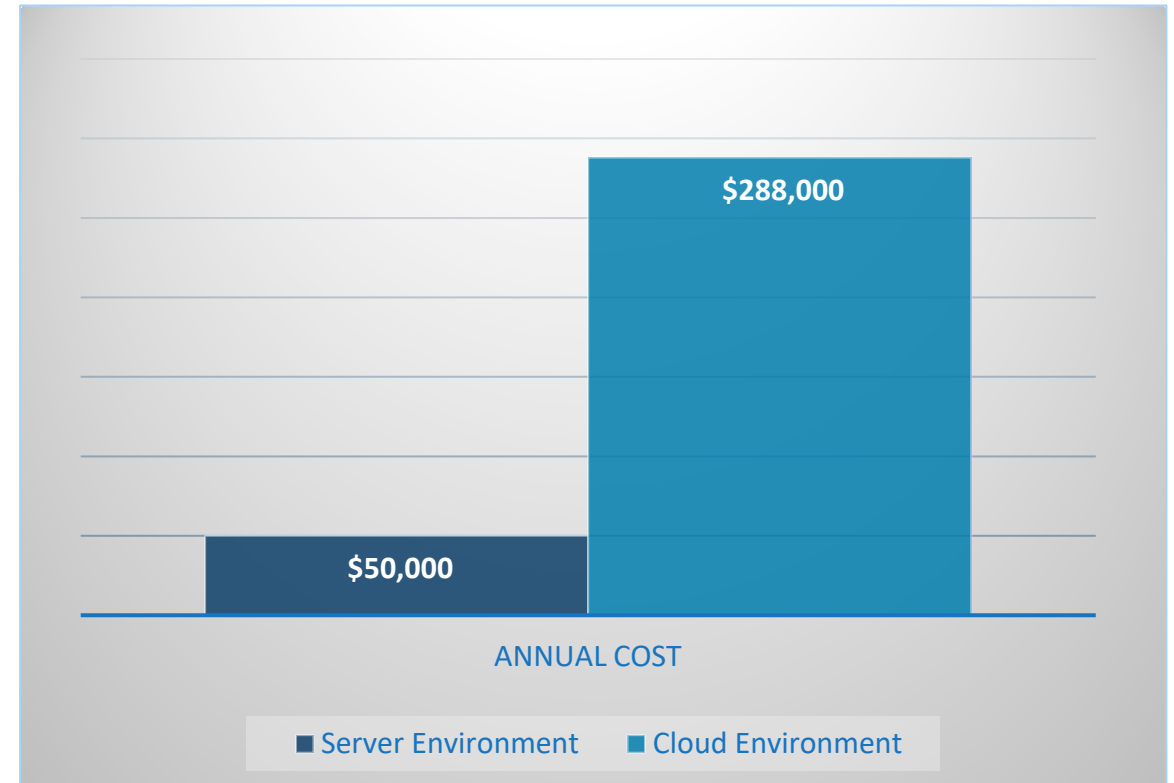
Cost of the NDIIS

Percent of Base Award for NDIIS Vendor Maintenance
(Does not include IIS staffing or enhancements)



Increased NDIIS Hosting Costs

- Significant increase in overall cost for cloud hosting vs. server hosting
- Cloud hosting costs increase as new functionality is added



Medicaid-Match Planning



- Immunization program manager, NDIIS manager, NDIT project manager and Medicaid Enterprise Systems Director met to discuss needs and submission.
- ND HIE previously received funding, so process and cost allocation calculation well understood.
- Used ND HIE submission as a starting point and modified based on NDIIS support to Medicaid and needs.
- Support from the ND Medicaid Director and Enterprise Director was critical.
- We used a contractor to write the OAPD, but this probably isn't necessary if using a template.

ND Operational Advance Planning Document



- The North Dakota State Medicaid Program (SMP) submitted a Medicaid Enterprise System (MES) Operational Advance Planning Document (OAPD) to request Federal Financial Participation (FFP) for Federal Fiscal Year (FFY) 2026.
- The requested funding will support immunization reporting activities associated with the North Dakota Immunization Information System (NDIIS).
- This submission represents the State's first request for Immunization Information System (IIS) support under the MES framework.
- Previously received Hitech funding.
- Submitted May 12, 2025. Approved July 22, 2025.

Scope of OAPD Request



- This Operational Advance Planning Document (OAPD) requests funding for Federal Fiscal Year (FFY) 2026 to support ongoing operations and modernization of the North Dakota Immunization Information System (NDIIS), a critical technology solution serving Medicaid providers and beneficiaries.
- State personnel resources: NDIIS manager, NDIIS coordinators, NDIIS data quality coordinator, NDIT project manager
- Vendor costs: ongoing operations, interoperability, etc.
 - Blue Cross Blue Shield of North Dakota
 - Docket (consumer access portal)

NDIIS Medicaid Cost Allocation



- To determine a fair and accurate cost allocation for NDIIS, North Dakota considered the utilization of the system by Medicaid providers. A patient mix factor, based on the Medicaid population percentage, was incorporated to ensure that the allocation accurately reflects the Medicaid-specific usage, preventing an overstated cost allocation.
- North Dakota is proposing cost allocation based first upon the percentage of NDIIS providers that are Medicaid providers.
 - Numerator: Total number of North Dakota provider sites that are enrolled in Medicaid.
 - Denominator: Total number of North Dakota provider sites using NDIIS
 - This first step estimates Medicaid share of the costs for NDIIS at 96.6%.
- The second step is to incorporate the North Dakota Medicaid member population of 26%.
- Calculating 26% with 97%, the average comes out to **62%** for the final cost allocation.

ND Operational Budget Request



FFY	Total Project Costs	Costs Allocated to Medicaid	75% Federal Share	25% State Share	Costs Not Allocated to Medicaid
2026	\$ 1,434,510	\$ 889,396	\$ 667,047	\$ 222,349	\$ 545,114
Total	\$ 1,434,510	\$ 889,396	\$ 667,047	\$ 222,349	\$ 545,114

75/25 Medicaid Match

NDIIS OPAD Outcomes



Medicaid Program Goal	Reference # (Metric ID)	Outcome Statement
CMS: Care Coordination	STIIS1	The NDIIS consolidates immunization records from multiple healthcare providers in a centralized system for Medicaid providers. This allows for care coordination, reduction in healthcare costs, and improved immunization rates.
CMS: Quality Reporting	STIIS2	The NDIIS provides ND Medicaid with quality measures for Childhood immunization states and immunizations for adolescents.
CMS: Public Health	STIIS3	The NDIIS provides ND Medicaid providers with the ability to order vaccines for Medicaid children through the Vaccines For Children (VFC) Program.
CMS: HIE Services	STIIS4	The NDIIS provides consumer access to immunization records for Medicaid enrollees.
CMS: Event Notifications	STIIS5	The NDIIS provides consumer access to immunization records for Medicaid enrollees.
CMS: Care Coordination	STIIS6	The NDIIS provides the ability for the ND DHHS Immunization Unit to send reminder/recall notices on behalf of ND Medicaid providers to parents of pediatric Medicaid patients notifying them of immunizations that are coming due or are past due.

Operational Quarterly Reporting



- Number of VXUs transmitted to the NDIIS
- Number of QBPs transmitted to the NDIIS
- Number of Certificate of Immunization Views
- Total number of Medicaid enrolled children up-to-date with all routinely recommended immunizations
- Total number of Medicaid enrolled adolescents up-to-date with all routinely recommended immunizations
- Number of VFC doses ordered by VFC enrolled providers
- Number of unique users accessing the consumer access portal for immunization records
- Number of AART validation measures met for basic validation.
- Number of AART validation measures met for complete validation
- Number of immunization recall letters sent to parents of infants ages 19-35 months and 12-17 years of age

North Dakota Immunization Unit

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