NDHIN & HEALTHTECH SOLUTIONS – LEVERAGING A VENDOR PARTNERSHIP FOR EXPANSION

NORTH Dakota Be Legendary.™
Health Information Network
INFORMATION TECHNOLOGY

Shila Blend, PhD, RN-BC, State Health I.T. Coordinator, North Dakota Health Information Network
Polly Mullins-Bentley, RN, RHIT, CPHQ, Senior Consultant, HealthTech Solutions

AGENDA

- NDHIN History
- Five-Year Business Plan – RFP & Statements of Work
- HealthTech Solutions – Work & Progress
- NDHIN as a Health Data Utility

NDHIN

- NDHIN is a public /private partnership of healthcare stakeholders charged with expanding the secure exchange of health information in the state of ND.
- NDHIN resides in a ND state agency (NDIT) and collaborates closely with other key state agencies such as ND Department of Human Services, including Medicaid, and the ND Department of Health.

HISTORY

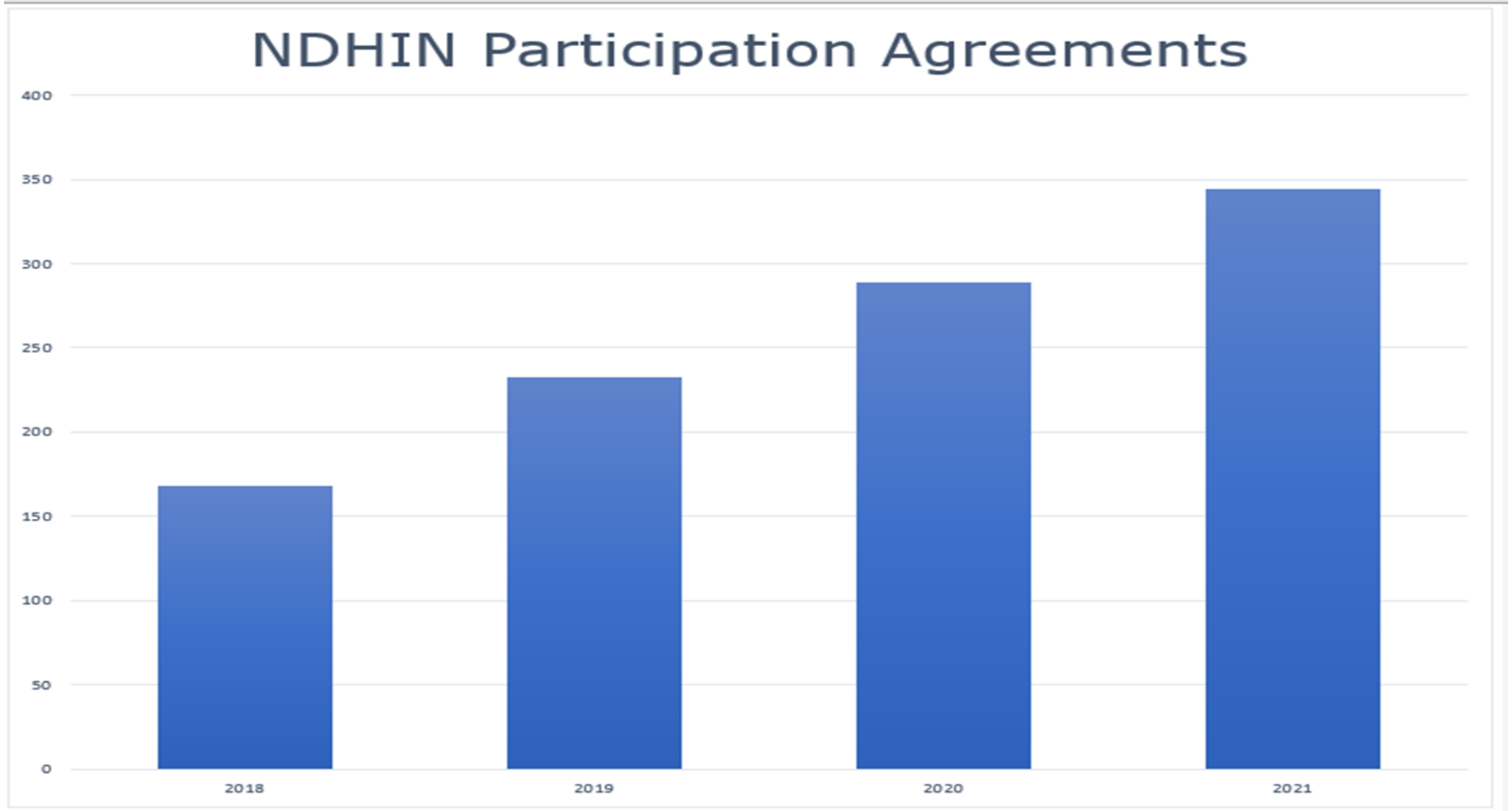
- Launched in 2010 with federal funds (HITECH)
- Broad stakeholder support statewide
  - Governor Appointed Advisory Committee
- Worked with Medicaid to support the EHR Incentive Program (Meaningful Use/Promoting Interoperability)
- Worked with the Department of Health to facilitate electronic public health reporting

2016 – 2021 FIVE-YEAR BUSINESS PLAN

- 2016 – Business Plan for Expansion Project (2nd Generation HIE)
  - Major platform upgrade (Amadeus) with improved security and new functionality
  - Active Outreach Program (Boots on the Ground)
    - Recruitment for increased participation, data contribution, and utilization
  - New Services
    - Data Analytics (Discover Module)
    - Care Coordination (Coordinate Module)
    - Encounter Alerts & Notifications
    - Utilization Reports

STATEMENTS OF WORK 2018-2022

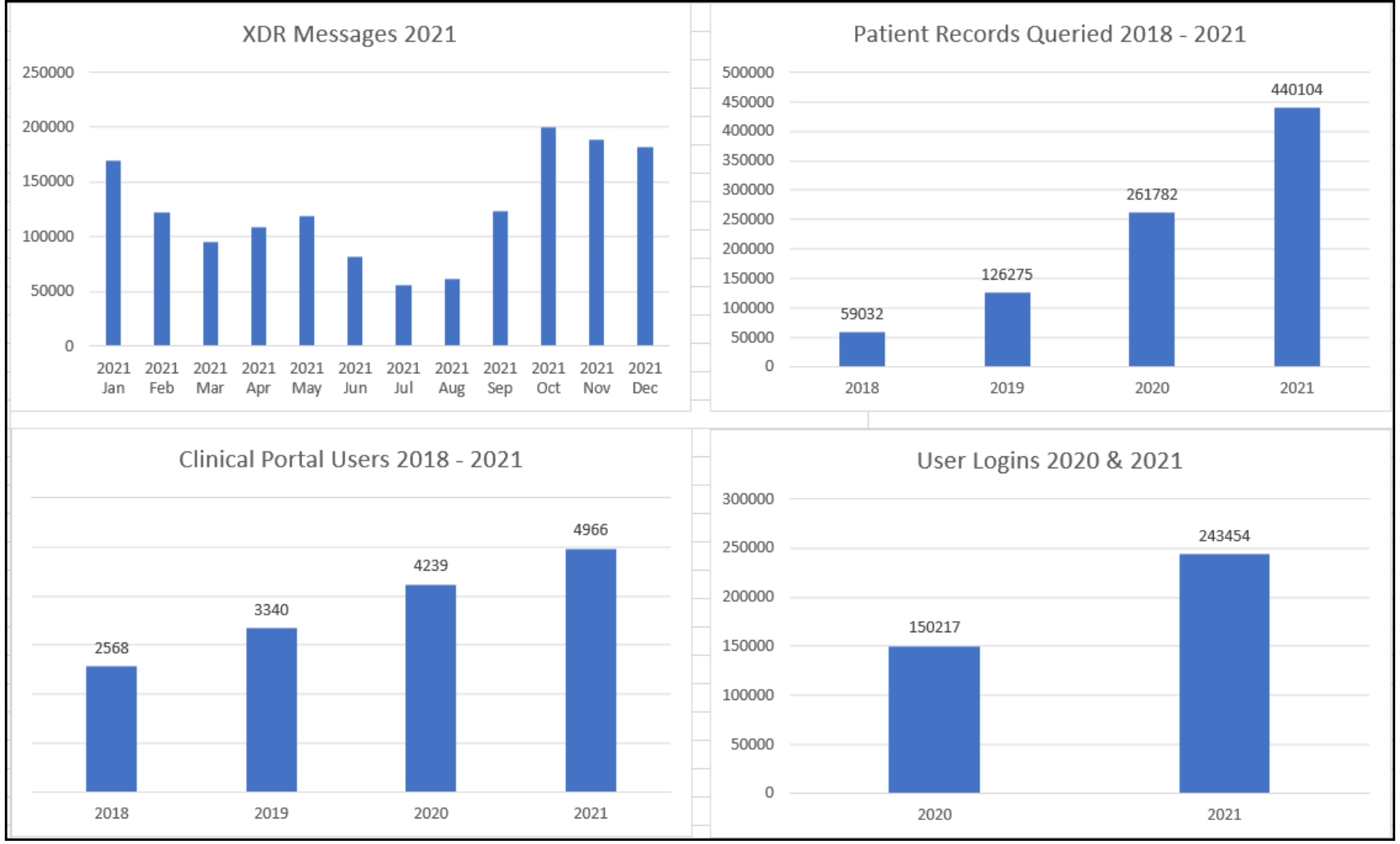
- Provider Education & Technical Assistance (Outreach & Onboarding)
- Subject Matter Expertise (Strategic Planning/Technical Writing)
- Sustainability Planning/Outcomes Based Certification
- Assessments & Road Maps
  - Electronic Prior-Authorizations of Medicaid Prescriptions
  - Qualified Clinical Data Registry/Quality Reporting for Medicaid
  - Enterprise Master Patient Index/Data Quality Improvement
  - Public Health Systems Assessment
  - Cancer Registry Assessment
  - Encounter Alerts & Notifications



NDHIN EXPANSION PROJECT 2018 - PRESENT

NORTH Dakota | Information Technology

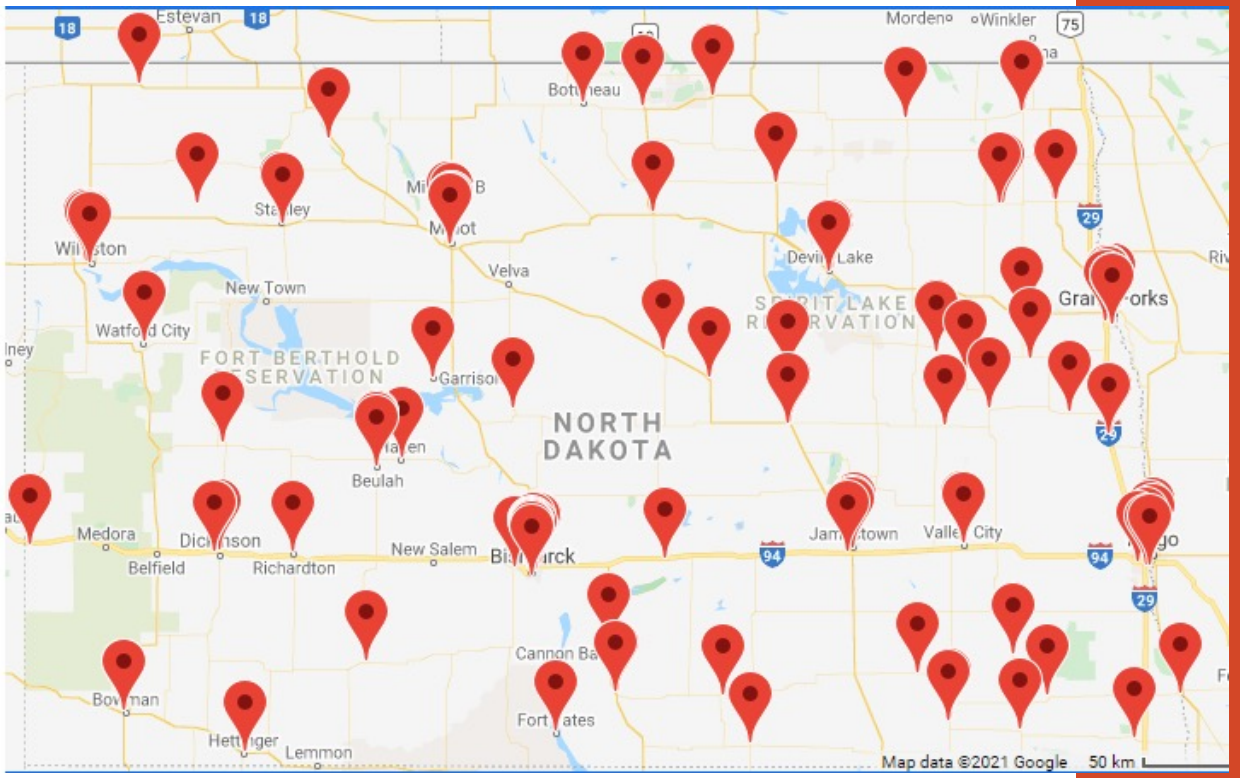
Be Legendary.™



NDHIN EXPANSION PROJECT PROGRESS

NORTH Dakota | Information Technology

Be Legendary.™



- All ND Acute Care Hospitals
- All FQHCs & RHCs
- Adding ancillary providers- chiro, public health, EMS etc.
- Data feeds increased from 361 feeds in 2018 to 532 feeds in 2021
- https://www.ndhin.nd.gov/providers/providers-map

2022 SNAPSHOT

NORTH Dakota | Health Information Network
Be Legendary.™ INFORMATION TECHNOLOGY

1.5M Unique Patient IDs

Advanced Healthcare Directives Registry

ND Department of Health

Immunization Registry

Cancer Registry

MAVEN (Electronic Lab Reporting)

Syndromic Surveillance

Autism Registry

Patient Search

Clinical Document Repository

Clinical Data Repository

North Dakota Health Information Network

Direct Secure Messaging

100K + Messages Per Month

Clinical Portal

4,239 User Accounts

eHealth Exchange

VA/SSA/DoD

North Dakota PDMP

Medicines Viewer

FQHCs

22 Points of Care

46 Hospitals

32 Ambulatory Points of Care (Minus IDN clinics)

Data Submission

TRINITY HEALTH

Altru HEALTH SYSTEM

Essentia Health

CHI St. Alexius Health

Imagine better health.®

SANFORD HEALTH

MID DAKOTA CLINIC

The doctors you know and trust.

NDHIN ELECTRONIC PUBLIC HEALTH REPORTING

- Meets regulatory compliance required by NDDOH and ND Century Code
- Ensures reporting is done in a timely manner
- Facilitates reporting of immunizations, syndromic surveillance, and electronic laboratory reporting (ELR) routing to State and CDC
- Specialized Registries:
  - Autism
  - Advance Healthcare Directives
- Electronic Test Orders and Results (ETOR)
- Meets regulatory reporting requirements for Merit-based Incentive Payment System (MIPS)/Interoperability reporting
- Data Modernization Initiative – new in 2022

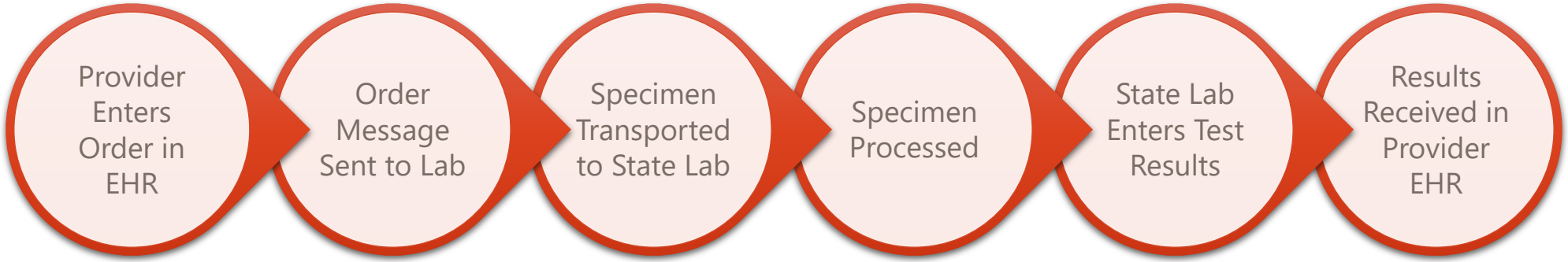
ELECTRONIC TEST ORDERS & RESULTS

- Set up Electronic Test Orders & Results (ETOR) with large IDNs and out-of-state reference labs
  - Full HL7-based path of ordering and resulting
    - Test order message (ORM) goes out from ordering facility
    - Test result message (ORU) goes back to the ordering facility
    - Test result can be imported into EHR

ELECTRONIC TEST ORDERS & RESULTS

Benefits of ETOR

- Reduces errors
- Improves Efficiency/Saves Time
- Improves coordination of patient care
- ND Locations: 22



NDDOH SPECIAL HEALTH SERVICES

- Newborn Screening Work
  - Long Term Follow-Up
    - Benefits
      - Improved coordination of care for a very vulnerable population
      - Potential reduction of costs for a high-cost Medicaid population
      - Use of Care Coordination module to develop a care pathway
- Early Hearing Detection & Intervention
  - Potential to build the same platform
    - Also save costs for current software/Oz

NDHIN COLLABORATION WITH MEDICAID

- Long history of state agency partnership
- Supported HITECH program
  - Medicaid EHR Incentive Program/Promoting Interoperability
    - Electronic Public Health Reporting
    - Transitions of Care
- Transition from HITECH to MMIS Funding
  - Outcomes Based Certification

HTS HIE Engagements

Vermont	Alabama	Oregon	New Mexico	California State
Alaska	Connecticut	Wisconsin	El Paso	North Dakota
Montana	Oklahoma	Kentucky	Georgia	

HealthTech SOLUTIONS

NDHIN AS THE HEALTH DATA UTILITY FOR NORTH DAKOTA

- The NDHIN Expansion Project helped the HIE to progress to a broad and comprehensive level of functioning to put NDHIN at a level to function as the State's Health Data Utility.
- Health Data Utilities (HDUs) are statewide entities that combine, enhance, and exchange electronic health data across care and services settings for treatment, care coordination, quality improvement, and public and community health purposes through specific, defined use cases in accordance with applicable state and federal laws protecting patient privacy.

Questions

IT's just part of our Strategic Insight.