A sunset scene over a body of water. The sun is a bright yellow circle in the center of the sky, partially obscured by the silhouette of a palm tree. The sky is a gradient of orange and yellow. The water in the foreground is dark with some ripples. In the background, there are silhouettes of several palm trees and other vegetation. The overall mood is calm and serene.

Health Information Exchange

*A Key Component
of Biosurveillance*



HIE - Our Major Activity

- A five-year, thirty-eight million dollar effort in three areas – WA/ID, IN, NY
- Initiated in February 08
- Coordinators
 - *WA/ID – SAIC*
 - *IN – Regenstrief Institute*
 - *NY*
 - Health Research Inc.
 - NYSDOH
 - NYCDOHMH



Superb Attributes for **Team** Success

- **WA/ID**
 - *Technical expertise*
 - *Government experience – CDC and NHIN*
- **IN**
 - *Thirty years of HIE experience*
 - *Internationally renowned research center*
- **NY**
 - *Significant state funding for statewide HIE*
 - *State and local HD's with superb IT capabilities*



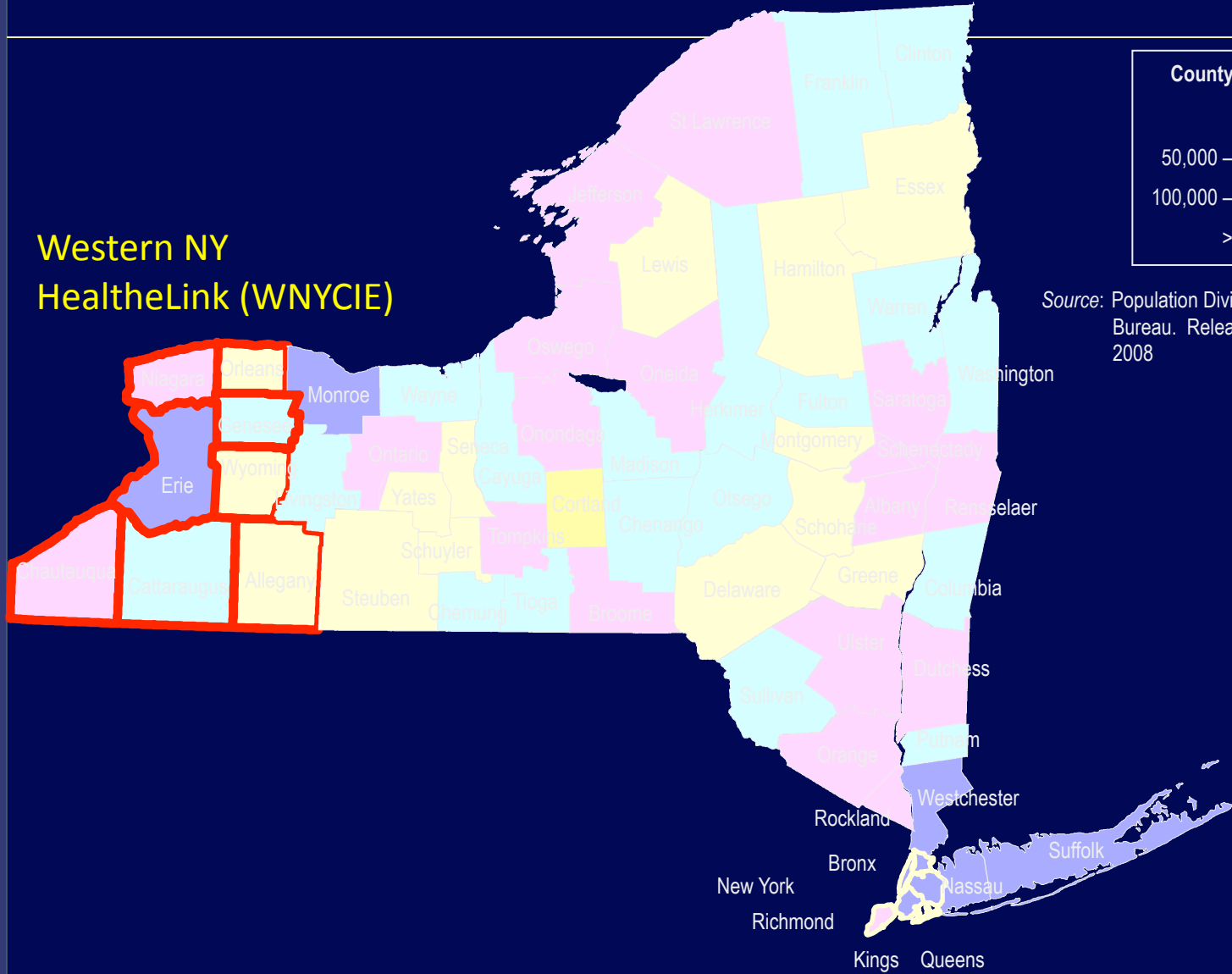
Key Deliverables – Year 1

- Develop, test, evaluate and implement the biosurveillance use case (BUC) and Minimum Biosurveillance Data Set (MBDS)
- Demonstrate successful data exchange using NHIN specifications for the BUC
- Begin developing infrastructure for bidirectional communication



RHIO Partners – Base Year

Western NY
HealthLink (WNYCIE)

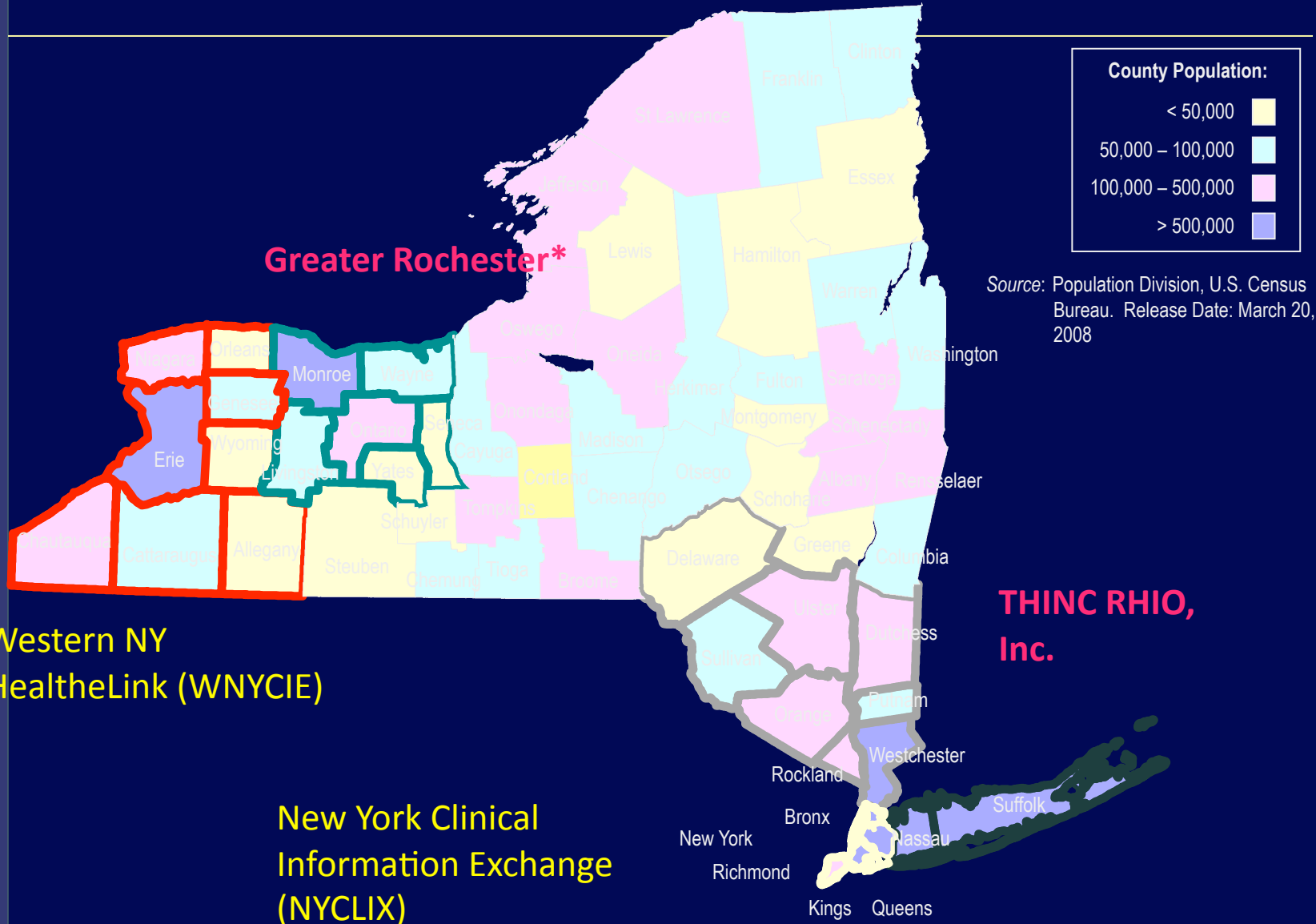


Source: Population Division, U.S. Census Bureau. Release Date: March 20, 2008

New York Clinical Information
Exchange (NYCLIX)



RHIO Partners – Year 2



Source: Population Division, U.S. Census Bureau. Release Date: March 20, 2008

Western NY
HealthLink (WNYCIE)

New York Clinical
Information Exchange
(NYCLIX)

Long Island Patient
Information eXchange (LIPIX)

*Shares common technology with WNYCIE and has stated intent to exchange data with WNYCIE



NW-PHIE Multi-State Process





Indiana Coalition Situational Awareness Work

- Enhancing standards-based clinical data flows to support public health practice
- Evolving automated public health case detection using natural language processing (NLP) methods
- Delivering routine medical information and public health broadcast messages to the clinical community
- Enabling bi-directional communication with case reporting forms



Our Future

- Further MBDS implementation
 - *Increased data elements*
 - *Utility and feasibility*
 - *Expanded geographic coverage*
- Translation
 - *Business cases*
 - *Technology*
 - *Partnership strategies*



Our Future

- Bidirectional communication (ISD)
 - *Case reporting*
 - *Lab results*
- Case reporting (ISD)
 - *Natural language processor for ELR*
 - *Automated case detection*
- Summarized/aggregated data (ISD)



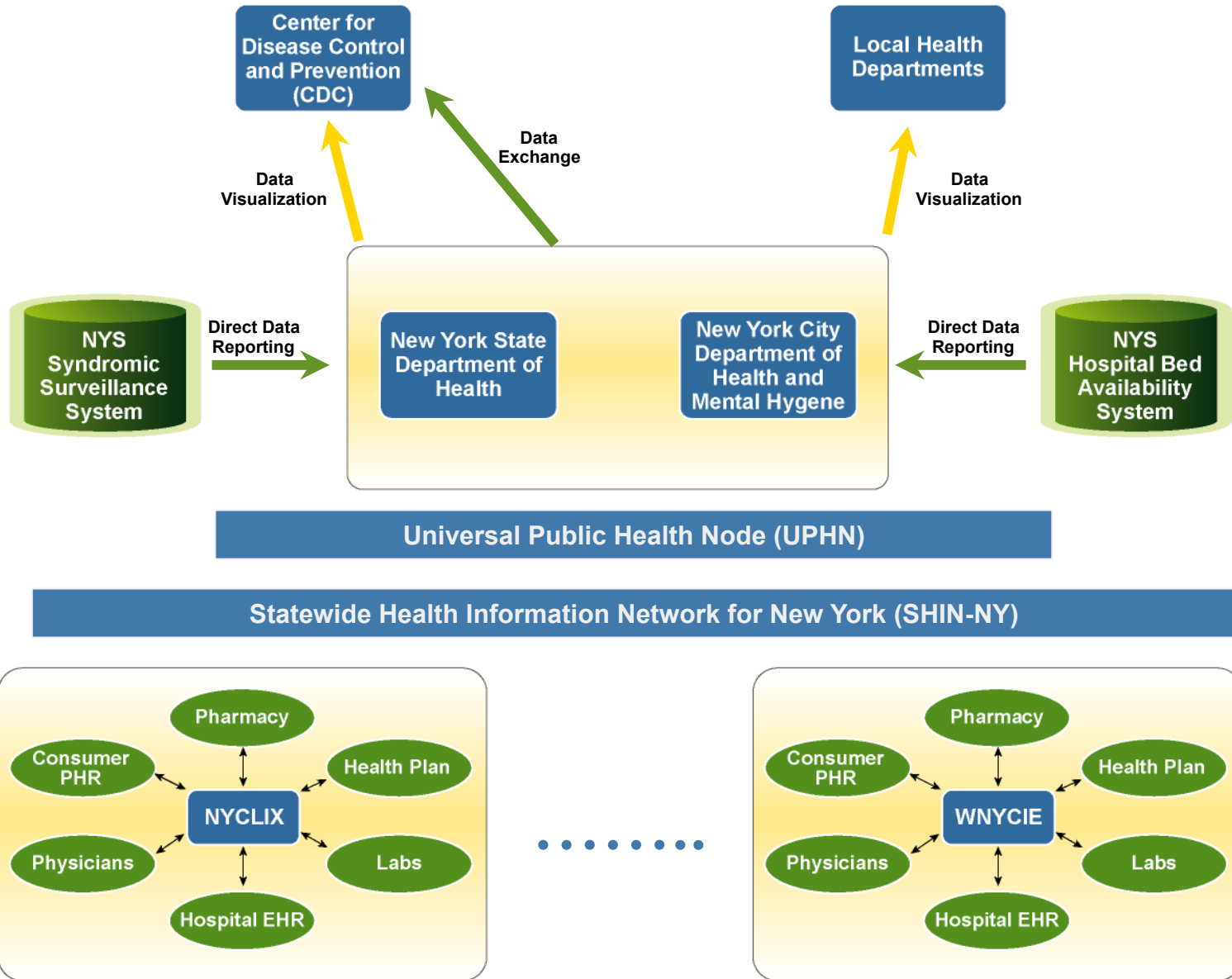
Our Future

- Collaboration with federal partners
 - *Initial idea – Northwest Initiative*
 - CMS, FCC pilot sites, IHS, SAMHSA, local and state HD's, medical community
 - DOD, VA, SSA
 - *FCC pilot sites – AZ, NM and TX*
- Open source software
- Decision support systems
- New sites



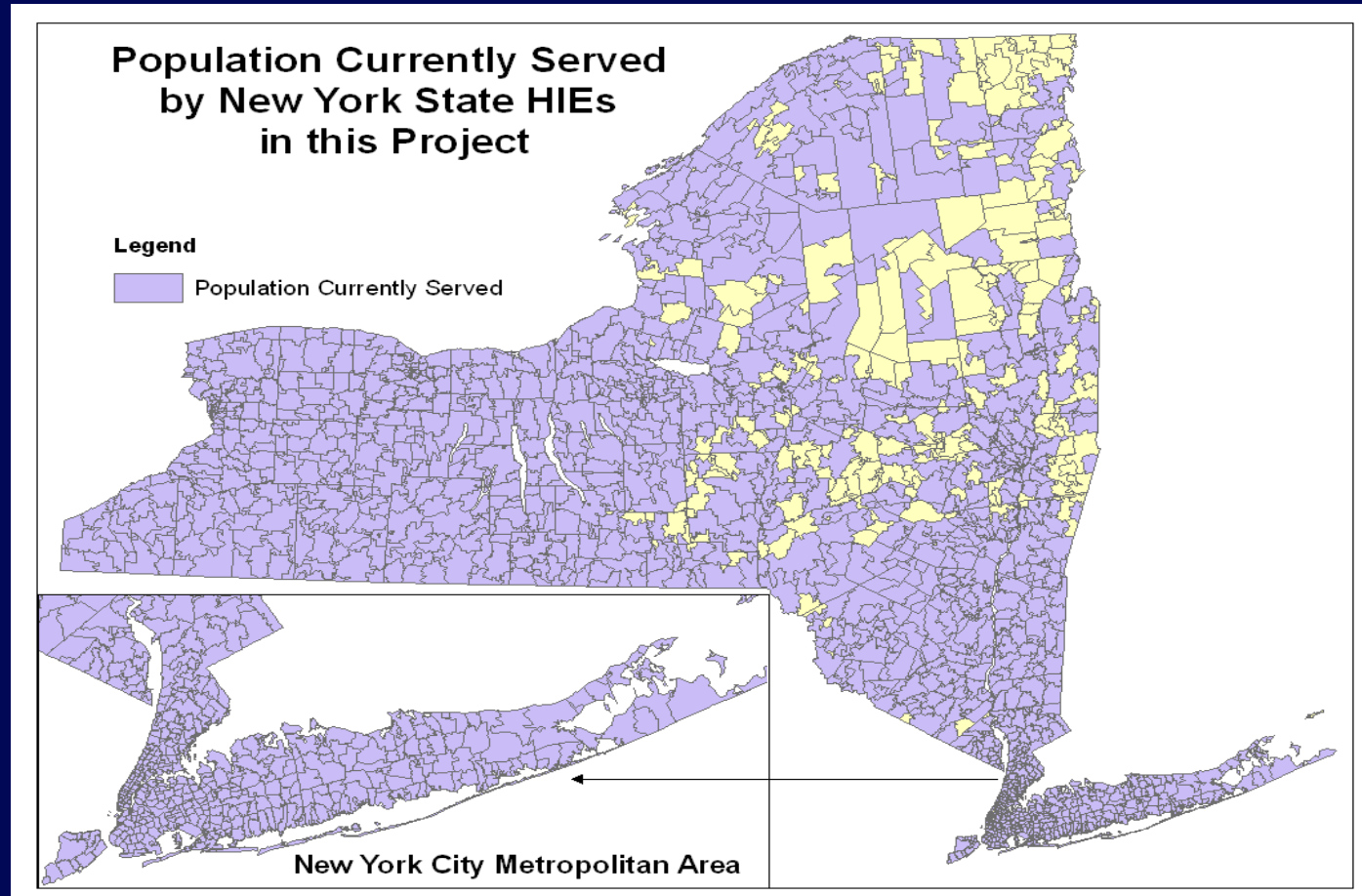


Data Exchange – Year 2 and Beyond





HIE Coverage in New York



Approximate Number of People Covered in the Population Currently Served

The estimated total population served is 19,235,300; 98.54% of the New York State population including 100% of New York City Metropolitan population



Possible Collaboration Opportunities

- Establish communication between CDC HIE sites (IN, WA/ID, NY) and FCC-funded organizations in these regions
- Identify other HIE's that operate in areas with FCC-funded collaboratives and explore areas of joint interest that could be facilitated by CDC and FCC



Possible Collaboration Opportunities (2)

- Elucidate areas where FCC-funded sites are directed to collaborate with HHS/CDC and determine how HHS/CDC can assist in meeting these directives
- Examine ways that FCC-funded sites can enhance HIE activities and preparedness efforts

Health Information Exchange



*A Key Concept
for Biosurveillance*



NW-PHIE Multi-State Process



- Cross state nature presents unique challenges
 - Coordinating reporting to multiple states with different laws & regulations
- Cross state nature also offers unique opportunities
 - Public health collaboration across states
 - Sharing of tools and processes



NW-PHIE Bi-State Process

- North West Public Health HIE (NW-PHIE) is unique in that it covers populations that span portions of 2 states - Western Washington State and Northern Idaho
- Population is contiguous across the state boundaries and seeks medical services irrespective of their state of residence
 - *INHS HIE is aligned to cover the contiguous population*
- Cross state nature presents unique challenges
 - *Coordinating reporting to multiple states with different laws & regulations*
- Cross state nature also offers unique opportunities
 - *Public health collaboration across states*
 - *Sharing of tools and processes*