

HIMSS Interoperability Showcase™

ACT

SCENARIO TITLE & KEY HEALTH
OUTCOME POLICY PRIORITIES

A Path to Improved Care: Communities CONNECTing to the NHIN

BRIEF SCENARIO DESCRIPTION

30	Coordinating Care Across California Improving Care Coordination	Care coordination represents one of the most promising ways to increase patient safety, improve outcomes and avoid necessary procedures. This demo shows how an emergency department physician can evaluate information from different care episodes in far-flung communities across California while addressing an emergent health situation. HIE enables choice of the proper treatment, avoiding a dangerous invasive test, because a more complete knowledge of the patient was available.
33	Delivering E-Care and EHR Interoperability Improving Care Coordination	Demonstration will follow a veteran from Charlottesville with high blood pressure who develops signs and symptoms of a stroke while traveling in rural Virginia. The demo outlines his coordinated care experience from the community hospital, to the University of Virginia Hospital and finally to his home.
35	Enhancing Value in Health Care through HIE Improving Care Coordination	This demonstration will illustrate how health information exchange from HealthPartners to Mayo Clinic through the Minnesota Health Information Exchange using CONNECT can add value through enabling the exchange of continuity of care documents for a patient with a complex medical problem. The information in this demonstration is a prototype, but based upon true-to-life cases.
36	Processing Claims with Authorized Release of Information Improving Care Coordination	The demonstration will show how Social Security Administration requests information from a medical provider (MedVirginia) based on authorization to release information and receives the information over the NHIN. The information flow is seamless and does not require any human intervention. This exchange of information dramatically reduces the time required for the exchange compared to the traditional paper process.
38	Releasing Authorized PHR Information Over the NHIN Improving Care Coordination	This demonstration will illustrate how health information exchange from HealthPartners to Mayo Clinic through the Minnesota Health Information Exchange using CONNECT can add value through enabling the exchange of continuity of care documents for a patient with a complex medical problem. The information in this demonstration is a prototype, but based upon true-to-life cases.
40	Enhancing Tribal Care Coordination Improving Care Coordination	This demonstration showcases cross-agency, cross-region and cross-facility health information retrieval from across the IHS enterprise-wide health information exchange (HIE) utilizing the NHIN. The demo will show a provider retrieving C32 documents by logging on to the Universal Client and navigating through the workflow to search for the patient, obtain patient document links, and finally, retrieve the documents.
41	Delivering HIE Through Medical Grade Networks Improving Care Coordination	The session will illustrate how Wels Hospital is utilizing a standards-based architecture to deliver medical data securely and cost-effectively over its network. It will explain how Wels Hospital is addressing its need to exchange data between disparate systems and align with national and European data exchange initiatives. It will also describe how Wels Hospital will participate in the ePSOS project, the European initiative similar to the NHIN.
42	Enhancing Wounded Warrior Care Improving Care Coordination	Using fictional, but true-to-life medical encounters and real-time NHIN information exchanges, this demonstration will illustrate how the data exchange through the NHIN can support continuity of care for the wounded warrior patient population.
46	Exchanging Medical Records During Disasters Improving Care Coordination	This demonstration will highlight a hurricane scenario in which patients in high risk areas are evacuated to remote locations. This scenario will record the initial patient encounter at the high risk location and illustrate the ability for medical teams to access the patient's record once relocated to the evacuation site.
48	Supporting Midwestern Grandparents on Vacation Improving Quality, Safety, Efficiency, and Reducing Health Disparities	HealthBridge, a large urban HIE in Cincinnati, Thayer County Health Services, a community HIE in southeast Nebraska, and Redwood MedNet, a rural HIE in California, will demonstrate how the CONNECT toolkit enables the use of health data as farming community grandparents from Nebraska travel across the country visiting their urban daughter in Cincinnati and grandsons in California. As they visit the different HIEs, the three HIEs exchange electronic medication and diagnostic health data thereby improving the quality, safety and efficiency of their care.

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51	Simplifying Medicaid Administration through Collaboration Improving Quality, Safety, Efficiency, and Reducing Health Disparities	This demonstration of MITA and CONNECT collaboration will illustrate the interaction between Medicaid providers and a states' MITA-based Medicaid system to support the workflow associated with verifying a member's eligibility. This demonstration illustrates how NHIN services are applied to existing, industry-standard interfaces and aligned with the Medicaid Information Technology Architecture.
54	Improving Adverse Event Reporting Improving Quality, Safety, Efficiency, and Reducing Health Disparities	In this demonstration, adverse events for human medical products are captured at the point of care within electronic health record systems and reported to the Food and Drug Administration (FDA) directly via built-in reporting capability in electronic health record systems. This automated adverse event reporting capability has the potential to ease the burden of reporting for healthcare providers and provide timely, high quality information required by the FDA and biopharmaceutical industry.
57	Transforming Worker Experiences in NYC Improving Quality, Safety, Efficiency, and Reducing Health Disparities	This demonstration will highlight Worker Connect, a Web-based system developed by New York's HHS-Connect that links data across 5 agencies and 7 programs and is used by 11 agencies across 6000 users so that caseworkers are able to share client information without compromising confidentiality. Clients' personal and case information is included in a virtual integrated case file which can be viewed by case workers in a secure way to provide the appropriate services to clients.
58	Applying Reusable Technology for HIE Improving Quality, Safety, Efficiency, and Reducing Health Disparities	During this demonstration, participants will learn about the Strategy for Applying Reusable Technology (START) vision, a game-changing approach to building and deploying re-usable code/ systems in government. This partnership between Utah, Illinois, Oregon, the federal government and a number of other key stakeholders serves to demonstrate a high quality, cost-effective approach to modernizing enterprise systems in the future and building the foundation for a "secure government cloud computing platform" to serve the citizens in the digital age we live in.
59	Analyzing Data for Public Health and Quality Measures Improving Quality, Safety, Efficiency, and Reducing Health Disparities	Population CCR (popCCR) is an open source solution developed for the Primary Care Information Project within the NYC Department of Health and Mental Hygiene. This demonstration will illustrate popCCR's ability to express prospective, real-time, or retrospective decision support to be run against per-patient or aggregate clinical and administrative data sets. popCCR allows rapid, real-time expression of complex rules and cohorts which can be run against any system that can generate a CCR, CCD, HL7 2.x, NCPDP, X12, or any other parsable flat file format. In the demo, popCCR will validate compliance with criteria for quality measures, guidelines and protocols, and it can automate public health, regulatory and syndrome surveillance reporting.
60	Linking Health and Human Services Improving Quality, Safety, Efficiency, and Reducing Health Disparities	Learn more about the work underway convening federal, state, local and private communities together to electronically link health and human services by improving business processes, information sharing and interoperability. This demonstration will highlight the business challenges being advanced and the approach to create shared solutions that improve services to citizens and create operational efficiencies.
61	Solving the Paper Record Problem Improving Quality, Safety, Efficiency, and Reducing Health Disparities	Even if all healthcare providers were to adopt electronic health records today, paper records exist with Historical information that needs to be shared for many years. This demonstration will illustrate how federal, state and private organizations are working together to develop a solution which will allow paper and non-standard data records to be exchanged across the NHIN.
62	Open-Source Population Health Reporting Tool Improving Quality, Safety, Efficiency, and Reducing Health Disparities	This demonstration will provide an overview of popHealth, a prototype software that extracts data from a provider's EHR (initially using the HITSP C32 data standard), and uses predefined or user defined reports for individual quality measures to provide physicians with a better understanding of the overall health of their patient population based on the reporting metrics. popHealth is an open-source population health reporting prototype that streamlines transmission of data on summary quality measures from individual providers to federal agencies. Summary quality information may be transmitted through the CONNECT solution to federal agencies.

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64	Protecting Soldiers Using Health Information Engaging Patients and Families in Their Health Care	The U.S. Army enables soldiers and their families to manage their electronic personal health records worldwide online. This demonstration will highlight the Military Health Systems' (MHS) MiCare patient portal that allows military beneficiaries to export and share his or her personal health information online and take best advantage of the expanding ecosystem of PHR applications for personalized patient decision support.
65	Engaging Patients in Their Care Engaging Patients and Families in Their Health Care	Spartanburg Regional Healthcare System will demonstrate a model for providing private-sector physicians access to federal health summary information when caring for military personnel. The demonstration includes the ability for the patient to participate directly in the health information sharing through a connected personal health record.
66	Enabling PHRs with Wireless Technology Engaging Patients and Families in Their Health Care	As a premier provider of hospitals in New Jersey, Meridian Health delivers a broad continuum of care through its five hospitals. This demonstration will highlight how wireless technology like the MedApps Remote Patient Monitoring System can enable personal health records (PHRs) to aid in the care of the more than 250,000 people who visit Meridian Health's hospitals in Monmouth and Ocean Counties.
67	Empowering Consumers with Family Health Data Engaging Patients and Families in Their Health Care	This demonstration will showcase how the Surgeon General's "My Family Health Portrait" Web tool helps consumers easily gather their family health histories, and then assembles this information in a structured format. The solution enables families to work together in gathering histories; helps providers obtain better family history information; provides data in formats that can be saved in interoperable form in EHRs/PHRs; and enables the consumer to obtain automated, personalized health information from Web-based services. The demonstration will use Mayo Clinic Health Manager to showcase interoperability.
68	Improving Public Health Cancer Registry Reporting Improving Population and Public Health ACT 68 starts as ACT 16/17	In this demonstration, a state cancer registry receives complete health data on patients diagnosed with cancer in their state jurisdiction. The state cancer registry compiles and consolidates this information into a complete record of the cancer case in a standardized format with patient identifiers removed. Using CONNECT, the cancer registry transmits electronic data to the Centers for Disease Control and Prevention (CDC). After the data are received from all state cancer registries from across the United States, the CDC processes the data and produces official federal statistics on cancer incidence and cancer mortality for the nation. These de-identified data are also made available for use by researchers.
69	Tracking Public Health Outbreaks Improving Population and Public Health ACT 69 starts as ACT14	This demonstration will follow a fictional character who visits a physician where the he is diagnosed with Influenza A. The physician sends the nasal swab to the state lab for identification of H1N1. Local and state public health epidemiologists query the clinical documents submitted by the physician office and lab, and an epidemiologist at the State Public Health Department is able to look at displays of current influenza data from the HIE (gathered by regular polling of lab documents). Data from the state public health agency is aggregated into the GIPSE format and transmitted to the CDC.
70	Facilitating International Disease Tracking Improving Population and Public Health	This demonstration highlights possible international disease surveillance and standardization efforts for international aggregate case information sharing. An international physician diagnoses a patient with Influenza A within their EHR and uses a situational awareness (SA) solution to visualize real-time influenza cases voluntarily reported by other SA solution contributing providers. A case management system receives new Influenza cases from across a region outside of the United States and is used by public health epidemiologists to review individual cases, aggregate outbreaks for analysis, and create a public response to the increasing severity of Influenza illness. Nightly aggregates of case reports are formatted using the GIPSE format and shared with U.S. state public health officials also monitoring Influenza illness severity. Data collected by the state is then shared with the Centers for Disease Control and Prevention (CDC) to develop a more comprehensive national response.