Oregon Health Information Technology Environment Assessment, 2009

Health Information Exchange (HIE) Activities Inventory
(an evolving list – October 30, 2009)

PURPOSE: This report identifies HIE activities in Oregon that may be useful for HIT planning including strategies for health information exchange in Oregon that leverages existing resources and accelerates achievement of Oregon HIT goals.

DEFINITIONS:
Terminology developed in 2008 through a collaborative process by the National Alliance for Health Information Technology and authorized by the Office of the National Coordinator for Health IT.
www.nahit.org/images/pdfs/HITTermsFinalReport_051508.pdf.

- ***Health Information Exchange (HIE)** – the electronic movement of health-related information among organizations according to nationally recognized standards.*
- ***Health Information Organization (HIO)** – an organization that oversees and governs the exchange of health-related information among organizations according nationally recognized standards.*

HIE PLANNING EFFORTS

Central Oregon Health Information Exchange: In 2007, a number of central Oregon stakeholders explored development of an HIE to serve central and eastern Oregon. In 2009, various organizations (Cascade Healthcare, Bend Memorial Clinic, COEMR and others) resumed active HIE planning for central Oregon. Recommendations are expected in late 2009.

Epic CareEverywhere - CareEpic: Epic Systems has developed a process for information exchange between providers using Epic EHR systems known as CareEpic. Epic EHRs are in use at Kaiser, OCHIN, OHSU, Salem Health (Salem Hospital, West Valley Hospital). Legacy Health System is in the process of implementing Epic. Epic users in Oregon have begun informal discussions about health information exchange using CareEpic.

Gorge Health Connect - In 2009 Mid Columbia Medical Center, La Clinica del Carino Family Health Care Center and Wasco County Public Health sponsored discussions for a community-based health information exchange serving The Dalles and surrounding area. Participating organization include Columbia River Women's Clinic. Mid Columbia Surgical Specialists, Arlington Clinic, Moro Clinic and Deschutes Rim Clinic. The Consortium has submitted funding proposals to support further planning and HIE development.

Oregon Health Information Exchange Options Report: In December 2005, the Oregon Business Council's Data Exchange Group commissioned an analysis of options for initiating a pilot project for health information exchange. The May 15, 2006 report can be found at http://www.q-corp.org/q-corp/images/public/pdfs/OR%20HIE%20Options.pdf.

Metro Portland Health Information Exchange (MPHIE) Mobilization Planning (2006-7): In September 2006, the Oregon Business Council's Data Exchange Group commissioned a mobilization plan to implement health information exchange in the Portland area based on retrieval of results and reports. The May 14, 2007 MPHIE Mobilization Plan can be found at http://www.q-corp.org/q-corp/images/public/pdfs/MPHIE%20Final%20Report%20053007.pdf. Supporting documents for the planning can be found at http://q-corp.org/default.asp?id=61.

Portland Metro Health Information Exchange (2009): In August 2009, six organizations including hospitals, clinics, and health systems reached a consensus for an exchange of standardized care summary documents using XDS.b tools embedded in their vendors' products. Patients will sign a paper consent form to allow exchange between each pair of participating organizations for a defined period of time. Tools from the vendors will provide a computer screen matching of the patient's registration in one system with their registration in another participating organization's system. The organizations include Kaiser Permanente Northwest, Legacy Health, OCHIN, OHSU, Providence Health and Services, and Southwest Washington Medical Center.

Salem Area Community Health Information Exchange (SACHIE): A group of Marion-Polk County community stakeholders began discussing formation of an HIE in September 2007. In 2009 grant funding was obtained to develop a technology strategy and business plan. A SACHIE Development Committee is actively engaged in the planning process under the auspices of the Physician's Choice Foundation. The technology roadmap and business plan framework are due in October 2009.

South Coast Health Alliance: Five hospitals on the southern Oregon coast (Bay Area, Coquille Valley, Curry General, Lower Umpqua and Southern Coos) are discussing health information technology strategies for the area including the use of two local efforts to leverage health information exchange among the five hospitals and local physician practices.

INTEGRATED HEALTH SYSTEMS
There are a number of health systems in Oregon that have multiple operating components that may include one or more hospitals, system-owned medical groups, affiliated medical groups, home health agency, skilled nursing facilities and/or others units. These health systems strive to use a core set of HIT applications across the various settings in which they operate and work to improve the interoperability and exchange of information between their HIT applications, care settings and medical groups interacting with the health systems.

Asante Health System operates two hospitals in Jackson and Josephine Counties.
Cascade Healthcare Community operates four hospitals in central Oregon.
Kaiser Permanente operates one hospital in Portland and clinics the Portland metro area, Salem and southwest Washington.

Legacy Health System operates four hospitals in the Portland metro area, one hospital in Clark County Washington and clinics in the Portland metro area, Woodburn and southwest Washington.
PeaceHealth operates four hospitals and medical group practices in Lane County.
Providence Health and Services operates eight hospitals across the state of Oregon and medical groups in the Portland area, north coast and southern Oregon.
Salem Health operates two hospitals in Marion and Polk Counties.
Samaritan Health Services operates five hospitals and medical group practices in Linn, Benton and Lincoln Counties.

OPERATING & SOON TO BE OPERATIONAL HIEs

Bay Area Community Informatics Agency (BACIA): BACIA represents a consortium of rural Oregon Coast healthcare organizations focused on health information technology. BACIA development was supported by a $174,190 AHRQ grant in 2004 to implement a local HIE between community providers. By December 2009, the Medicity ProAccess information exchange application will support connectivity between the partner organizations: Bay Area Hospital, North Bend Medical Center, Bay Clinic and Southwest Oregon IPA.

Mid-Rogue Health Information Exchange: Mid Rogue eHealth Services, a wholly owned subsidiary of Mid Rogue independent Physicians Association (MRIPA), has partnered with Asante Health System and is collaborating with Providence Medford Medical Center and other entities in Jackson and Josephine Counties to exchange patient data. An HIE topology has been identified and an RFP for an HIE vendor is in process. Mid Rogue eHealth Services implements Greenway PrimeSuite, an interoperable 2009 CCHIT certified EHR, and has active interfaces with four LIS, one HIS and the Oregon ALERT Immunization Registry.

OCHIN: OCHIN is a health center controlled network (HCCN) of community health clinics and small practices serving the medically underserved with seventeen members in Oregon, eight members in California and one in Washington. OCHIN provides practice management and EHR (Epic) services to member organizations. As an Organized Health Care Arrangement (OHCA) under HIPAA with a single record per patient OCHIN also functions as an HIE among the member organizations. The OCHIN master patient index contains information on 400,000 Oregonians and 600,000 lives across California, Oregon and Washington.
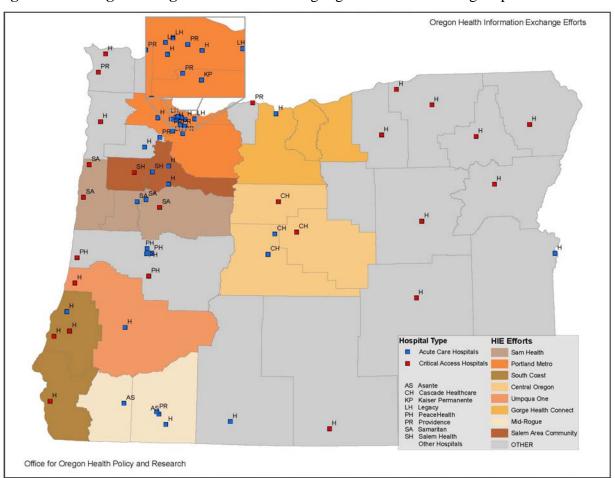
Providence Health & Services – Oregon Health Information Exchange: Providence is implementing a standard-based HIE to connect the inpatient EMR (McKesson) systems with outpatient EMR systems (Centricity) serving Providence employed physicians and affiliated partners. HIE operations are scheduled to begin in October 2009. The master patient index supporting the HIE contains information on 2.x million lives. The HIE infrastructure and standards-based approach will allow Providence to connect other vendor EMRs and community partners such as OCHIN, OHSU, Kaiser, Legacy and Southwest Washington Medical Center.

Samaritan Health Services - Health Information Exchange (SHS-HIE): In August 2009 Samaritan Health Services partnered with Medicity Systems to establish an HIE. The system allows Samaritan's 5 hospitals and affiliated practices in Linn, Benton and Lincoln counties to

deliver patient data securely and efficiently. Clinics' within Samaritan's service area will be able to join the exchange and data will flow to their disparate EMR systems. SHS-HIE initially will feed information to the Benton County Health (Epic EMR) and The Corvallis Clinic (Allscripts EMR). Subsequent phases involve reciprocal information exchange and adding other clinical practices in the area.

Umpqua OneChart Health Information Exchange (Roseburg, Douglas County and surrounding area): Starting in 2005, the community-based HIE now supports a community enterprise master patient index supporting about 150 different practice management systems. These systems provide the foundation for a common EHR system (Centricity) throughout the community, leveraging single chart patient technology in a centralized data repository, including comprehensive interfaces to the Mercy Medical Center Meditech HIS, local ambulatory and cancer treatment facilities and related systems. Umpqua OneChart provides a personal health record (PHR) system compatible with both Microsoft HealthVault and Google Health. Read-only access (with appropriate privacy and security controls) is offered to authorized Roseburg VA representatives, as well as first responder summary information (face sheet form) to local EMS (ambulance, fire, police) personnel. The HIE now contains information on about 220,000 lives.

Regional Coverage of Oregon HIE Efforts is highlighted in the following map.

PACS - IMAGING COLLABORATIONS AND EXCHANGE
Picture archiving and communication systems (PACS) are computers, commonly servers, dedicated to the storage, retrieval, distribution and presentation of images. A number of hospital and imaging centers are collaborating to facilitate the availability and electronic exchange of medical images.

Asante Health System PACS Collaboration: Asante provides PACS services (Fuji PACS) for its hospitals in Grants Pass and Medford, and Oregon Advanced Imaging (Medford). Other Fuji PACS system users include Grants Pass Imaging and Medford Medical Clinic which have their own PACS systems but can access the Asante PACS system with appropriate security.

Cascade Medical Imaging (CMI) is a joint venture between Central Oregon Radiology and Cascade Healthcare Community which provides imaging and PACS services for central and eastern Oregon, over 33,000 square miles and serving just over 300,000 people. CMI and the Bend Memorial Clinic are able to access and exchange images. The CMI PACS network currently serves 16 physical locations (hospitals and clinics) in Deschutes, Jefferson, Crook, Harney, Grant, Lake, Wallowa and Wheeler counties. The network serves 3,208 referring physicians with 2,304 users actively using the system.

Oregon Community Imaging (Salem) is a cooperative arrangement among community healthcare organization to facilitate the access and exchange of medical images with an imaging repository for participating practices. Current participant include Salem Hospital, Salem Radiology Consultants and West Valley Hospital (Dallas). Imaging access and exchange for Salem area NextGen EMR users is under development.

Samaritan Health PACS system is used as a common imaging repository by the five Samaritan Health hospitals and their affiliate practices and clinics. The Corvallis Clinic utilizes the Samaritan Health PACS system under an ASP arrangement with its own dedicated imaging data base. Images can be exchanged as appropriate.

South Coast: A community PACS is based at Lower Umpqua Hospital (Reedsport) also serves Coquille Valley Hospital (Coquille) and Southern Coos Hospital (Bandon).

Sources: Information in this report was collected from multiple sources including the 2009 eHealth Initiative HIE Survey report, the 2009 Oregon Hospital & Health System HIT Survey and 2009 Oregon IPA Survey. Additionally interviews were conducted with individuals involved with most of the identified HIEs activities.