CLINICAL DATA REPOSITORY

Advancing Health Information Exchange beyond Organizational EHRs
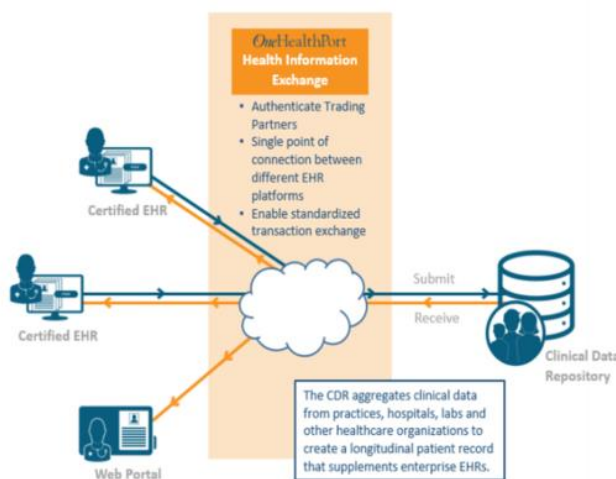
"We will have failed those we serve if we don't overcome the interoperability challenges that make it difficult to deliver connected and coordinated care."

The Link4Health Clinical Data Repository (CDR) is a direct response by the Washington State Health Care Authority (HCA) to the interoperability challenges identified by the community in a recent RFI solicitation and feedback to the meaningful use program. The CDR connects disparate EHR platforms and aggregates clinical information in one easily accessible location. Practitioners who take care of Apple Health Managed Care enrollees can import data from the CDR into their EHR and then view it using their standard workflow. By providing access to clinical information from outside the enterprise, the CDR helps the care team gain a more comprehensive understanding of the patient's medical history. This enables clinicians to achieve better results for their patients and improve overall community health.

Key Features

- Leverages standards (C-CDA) for sharing clinical summaries already incorporated into certified EHRs
- Submitting standardized clinical summary documents to the CDR meets the Meaningful Use Stage 2 requirement for exchanging care summaries with organizations with different EHR systems
- Supports clinical data exchange with organizations that do not share similar platforms
- Supports access to integrated patient record without an EHR through a clinical portal
- Offers a common place to share information for those participating in different arrangements such as Accountable Care Organizations (ACO) or Managed Care Organizations (MCO)
- Minimizes requests for faxed copies of charts to meet administrative needs of the sponsor

How It Works

OneHealthPort
Health Information
Exchange

- Authenticate Trading Partners
- Single point of connection between different EHR platforms
- Enable standardized transaction exchange

Submit
Receive

Certified EHR
Certified EHR
Web Portal

Clinical Data Repository

The CDR aggregates clinical data from practices, hospitals, labs and other healthcare organizations to create a longitudinal patient record that supplements enterprise EHRs.

1. Provider organization's certified EHR is connected to the OneHealthPort HIE using standard protocols
2. The provider EHR pushes a standardized clinical summary document – the Consolidated-Clinical Document Architecture (C-CDA) to the CDR through the HIE after each encounter with an Apple Health patient
3. The clinical documents for that patient are aggregated in the CDR
4. As the CDR gains critical mass, it will be possible for the provider to query the CDR through their EHR/HIE connection, the CDR will then send any relevant information on that patient to the provider's EHR before the provider sees the patient
5. Using their standard EHR workflows, the provider will have access to the most current and comprehensive information on that patient at the point of care
6. A secure web portal is offered for clinical organizations to query the CDR for patient records if they lack an EHR

How Much Does it Cost?

Provider organizations that participate in the CDR must join the OneHealthPort HIE to establish a trust framework and securely exchange information. The cost to the provider organization to join the HIE is an annual subscription fee based on the organization's annual net patient revenue. The CDR leverages the standards already present in certified EHRs. EHR vendors' readiness to output a C-CDA may vary. Providers should confirm what, if any, additional fees their EHR vendors may charge.

Organization Level	Annual Net Patient Revenue	Annual Subscription Fee
Entry	$0 - $10 Million	$600
Small	$10 Million - $100 Million	$6,000
Mid-size	$100 Million - $500 Million	$12,000
Large	$500 Million - $1 Billion	$24,000
Leadership	$1 Billion Plus	$48,000

While there is a cost to join the HIE, there is no cost associated with the CDR itself. The cost of the CDR is covered by the Health Care Authority, Centers for Medicare and Medicaid Services, and the Managed Care Organizations.

Privacy and Security

The CDR complies with state and federal security and privacy requirements and is externally audited for HIPAA and SOC2 (Service Operation Center) national standards. Specific data access policies are determined by HCA as the CDR sponsor, and administered by OneHealthPort.

Participation Requirements and Options

"The MCO shall require that when their subcontracted provider organizations with certified EHRs see an Apple Health Managed Care enrollee, they send a care summary (CCDA) from the provider's EHR to the Clinical Data Repository…"

If your organization meets the following three criteria then you are required to participate in the CDR:

1. Your organization is part of a Managed Care Organization that serves Apple Health consumers
2. Your organization has a 2014 certified EHR system
3. You have received monies from either the Medicare or Medicaid EHR Incentive Programs

Next Steps

To learn more about the CDR, visit: https://www.hca.wa.gov/about-hca/health-information-technology/clinical-data-repository-cdr
To learn more about the HIE or to get connected with the CDR, visit: https://www.onehealthport.com/hca-cdr
To view the full Provider Requirement letter, visit: https://www.hca.wa.gov/assets/program/provider-requirements-letter.pdf