

Patient Centered Data Home

Ensuring clinical data is available whenever and wherever care occurs and is “centered” around the patient

The Patient Centered Data Home (PCDH) is a cost-effective, scalable method of exchanging patient data among health information exchanges (HIEs). PCDH is based on triggering episode alerts, which notify providers a care event has occurred outside of the patients’ “home” HIE, and confirms the availability and the specific location of the clinical data. This enables providers to initiate a simple query to access real-time information across state and regional lines and the care continuum.

PCDH is an initiative of the Strategic Health Information Exchange Collaborative (SHIEC) that puts into practice the vision that clinical data should be available whenever and wherever care occurs and “centered” around the patient to improve patient care. In this model, all clinical data becomes part of the comprehensive longitudinal patient record in the HIE where the patient resides, called the PCDH.

How it works

Step 1: Zip Code Sharing- A PCDH exchange is set up by HIEs sharing all the zip codes within the geographic boundaries that their HIE serves.

Step 2: Automated Notification- Once a triggering care event occurs an automated notification is sent to the patient’s “home” HIE (PCDH) to determine if there is information available for sharing. If clinical data is available an acknowledgment message confirms the availability and location of the data. For example, an out-of-state patient is admitted to a hospital emergency room. This event triggers an automated sequence: an alert is sent to the hospital’s HIE which is relayed to the patient’s home HIE which responds with a notification that information is available on the patient.

Step 3: Query/Response- The automated notification confirms for providers, from both HIEs, that a simple query will allow them to access the clinical information. In the example above, the hospital ED physician can query and pull patient records from the patient’s home HIE. In addition, the patient’s home HIE can query and pull information on the patient’s out-of-state encounter into the patient’s longitudinal record.

