## HIMSS 2011 IHE Immunization Story Board

The 4-year-old patient and the parent visit the provider, who uses an EHR system. The EHR queries the HIE using IHE’s PIX and XDS profiles. The HIE queries the IIS for immunization history. The HIE queries the CDS service for evaluation and forecast service. The HIE returns the immunization history and forecast to the EHR. The provider reviews the immunizations and the vaccine recommendation. The provider administers vaccines and enters the records into his EHR.

EHR sends a CDA document to the HIE Immunization Gateway The Immunization Gateway creates a comprehensive Immunization Content Document. The Gateway simultaneously updates the immunization registry (IIS) using HL7 Version 2, and the surveillance system using XDR.

In getting the child ready for school, the parent uses notices from his PHR that one vaccine is missing. In a rush, the parent makes an appointment at a different clinic. The provider’s EHR repeats the process of Step 1 above, getting the up-to-date vaccines from the previous provider, and the up-to-date recommendation.

### Actors:

* Clinician
* Patient
* Parent
* EHR system
* HIE
* Identity resolution service
* IIS
* CDS service
* Surveillance system

### Actions/Interactions:

* Get identifier/identity resolution
* Request immunization history
* Return immunization history
* Request CDS service
* Return CDS results