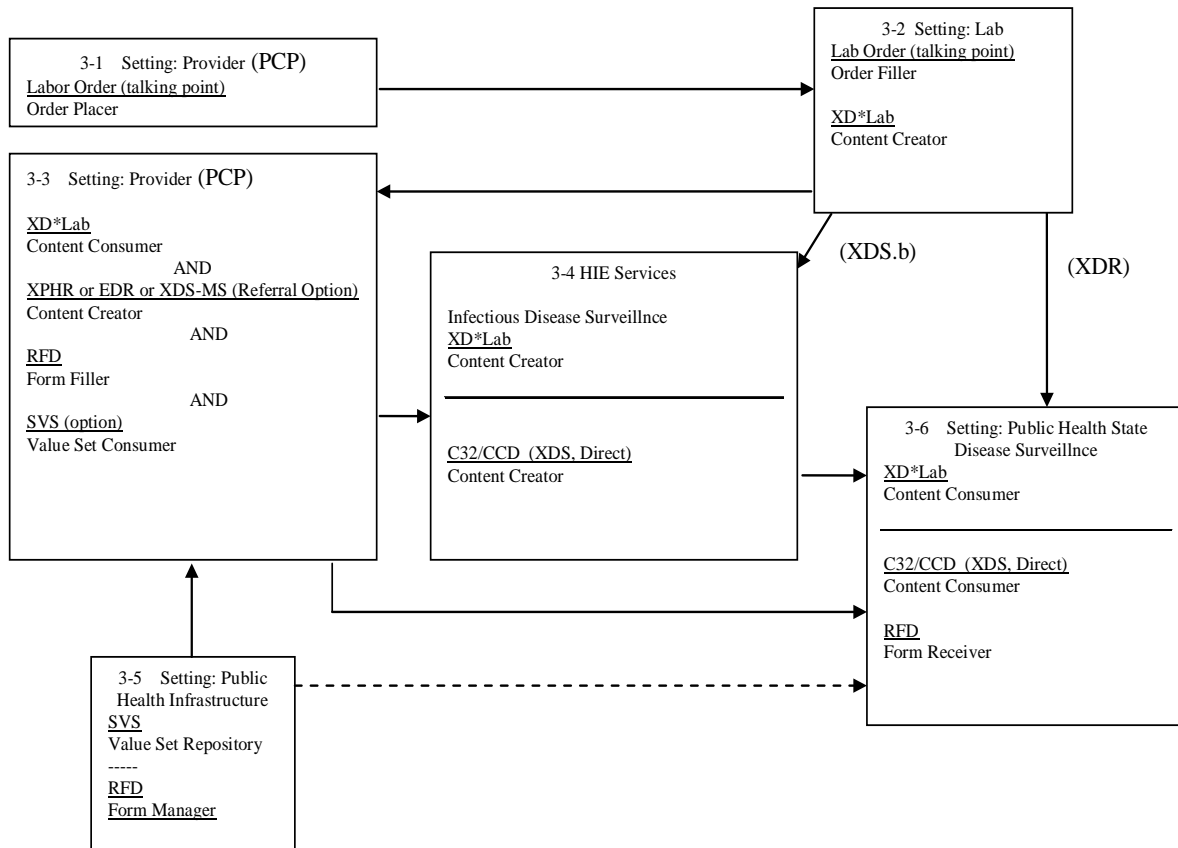


Care Theme: B. Updating and Leveraging National Healthcare Registries in Care Delivery

UC #3 – Biosurveillance Monitoring and Detection

Step	Description
1	Patient presents to PCP with a [symptoms of Tuberculosis/ Influenza-like-illness].. Suspect sample taken in office and sent to the laboratory
2	Specimen is analyzed and laboratory results indicate the reportable condition. The Result report is sent to public health and provider: <ol style="list-style-type: none">1. Results are sent to the ordering provider2. Results are sent to the Public Health Infectious Disease Registry via the HIE Direct Interface
3	Results from the LIMS are available to provider EHR. Provider confirms that the patient has a reportable condition (Tuberculosis or Gastroenterological Illness): <ol style="list-style-type: none">1. EHR sends the Initial Case Notification Report to the Public Health Infectious Disease Registry.
4	The HIE offers value-added services such as <ol style="list-style-type: none">1. Transforms message to a Laboratory Report that is human readable & machine readable2. Translates the local codes to LOINC codes (if necessary)3. Registers the laboratory result in the HIE for provider for continuity of care4. Analyzes the result content to determine whether the result is a reportable event,5. Sends the laboratory result to Public Health Infectious Disease Registry as a reportable condition.6. Sends notification of document availability to public health of the town where the patient resides for follow-up (TO STATE PUBLIC HEALTH TOO?)
5	Public Health Infrastructure Services are Provided for Form Management and Vocabulary Value Sets
6	Public Health Infectious Disease Registry receives reports from Provider EHR and LIMS via the HIE: <ol style="list-style-type: none">1. State Epidemiologist monitors the number of cases through visualization tools



Step	System	Company
3.1	Electronic Health Record (EHR)	Allscripts
3.2	Laboratory Information System (LIS)	Axway
3.3	Electronic Health Record (EHR)	Allscripts
3.4	Public Health Information eXchange (PHIX)	CDC
3.5	Case Management – Forms Management System	OZ Systems
3.6	Public Health Infectious Disease System	CDC

Infrastructure

Step	Infra Role	Company	System
3.0	Registry (with Multi-patient Query - MPQ)	Vangent	XDSb_REG
3.0	Repository	Vangent	XDSb_REP
3.0	Patient Identifier Cross-Referencing (PIX)	Oracle	PIX_X_REF_MGR