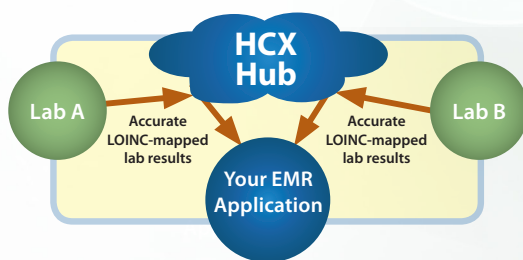


# Lab Integration Hub

HCX Hub provides clean transmission of EMR data from physician office to laboratory and back to physician office—with results LOINC-standardized. HCX Hub can provide affordable lab connections with virtually any lab, including local labs and in-house labs.

HCX Hub works with any EHR to support the tightest possible integration and clinical workflows—from basic HL7 messaging to PDF Result reports to support total workflow integration.



## LOINC® Mapping

LOINC® (Logical Observation Identifiers Names and Codes) is a set of universal names and ID codes for identifying laboratory tests in electronic laboratory report messages. It was designed to facilitate the exchange and correlation of results for clinical care, outcomes management, and research. Currently, most laboratories and clinical services use HL7 to send laboratory results electronically from their reporting system (LIS) to the provider’s care system (EHR).

The tests in these messages, however, are usually identified by means of the laboratory’s internal (or local) code values. Certain EHR systems may not be set up to understand and/or equate the results received from multiple sources if the local codes are unique to each sender. The LOINC data base was developed to address this challenge by providing a standard vocabulary for the universal identification and description of laboratory tests for electronic messaging.

**LOINC database – High Degree of Specificity:**  
 <1,500 CPT4 codes for laboratory and pathology vs. >44,000 laboratory LOINC codes

	Physician Office A	Physician Office B	Lab A	Lab B	Lab C
Test Name	Chloride U	Urine Chloride	Chloride 24 Hr Chloride	24 Hour Urine	Chloride, 24Ur
Lab Code	CLU	URCHL	CLCU	CL24	8944.671
LOINC Code	21194-6	2079-2	21194-6	2078-4	2078-4

LOINC	Component	System	Timing	Long Name
2078-4	Chloride	Urine	Pt	Chloride [Moles/volume] in Urine
2079-2	Chloride	Urine	24H	Chloride [Moles/time] in 24 hour Urine
21194-6	Chloride	Urine	24H	Chloride [Moles/vol] in 24 hour Urine
26762-5	Chloride	Urine	Pt	Chloride [Moles/volume] in Urine
32542-3	Chloride	Urine	XXX	Chloride [Molar amt] in unspecified time
35676-6	Chloride	Urine	XXX	Chloride [Molar vol] in unspecified time
51695-5	Chloride	Urine	24H	Chloride [Moles/time] in 24 hour Urine

**One CPT4 code - 82436**



### Key Benefits of HCX Hub:

- Connects labs and hospitals to physician EMRs and HIEs
- Eliminates inefficient and costly point-to-point connections
- Provides access to multiple entities via a single integration point
- Aggregates and standardizes clinical results utilizing LOINC mapping
- Lowers costs/minimizes disruption associated with legacy system updates
- and* HealthCareXchange provides first-call/tier 1 support for your EMR customers

To find out more—and to discuss how **HCX Hub** can provide cost-effective interoperability to your EMR system—call **HealthCareXchange** at 337-474-3200.

**HealthCareXchange**

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