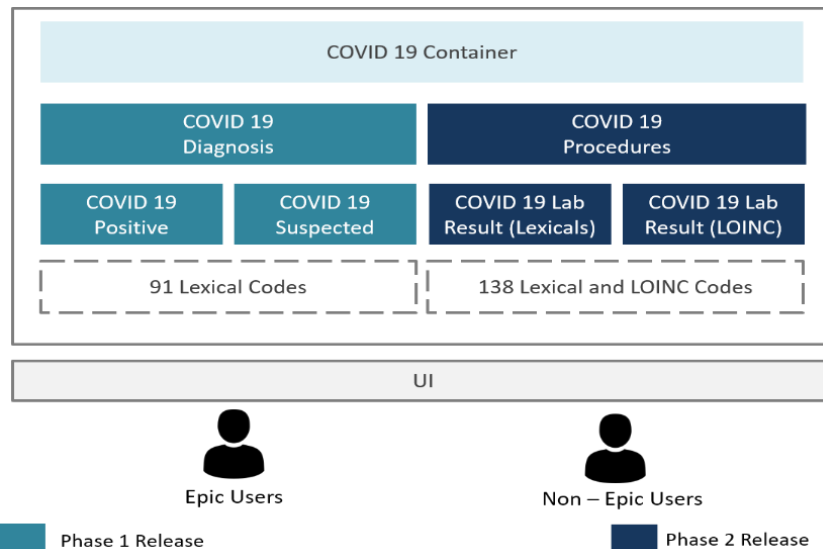


About Client

The client specializes in developing, managing and licensing medical vocabularies. They partner with many healthcare organizations, and EHR developers. Their clinical interface terminology and values sets are used by more than 4,500 hospitals & 500,000 physicians daily.

Client Need

Given the rapid spread of COVID-19, the need to accurately document and diagnose new and suspected cases of the novel coronavirus is critical. The client needed to **develop COVID-19 value sets** for its **EPIC** and other users.



COVID-19 Value Sets for EMRs

CitiusTech Solution

The COVID-19 value sets were developed and released in a phased manner. Initially, COVID-19 sets were developed for analysis between positive and suspected patients. Later, code sets for patients with documented lab results were developed.

- Developed and integrated COVID-19 value set (**1 Container, 1 Category, 2 Values, 91 Codes**) to online client portal
- Integrated new category for patients with documented lab results (with **138 Lexical & LOINC codes**)
- Developed UI for end users to access the value set and download codes in **XL** and **TXT**
- Created a **web service end point** for the client to regularly update the value set
- Updated the user database from **100 users** to **10,105 users**

By creating the COVID-19 value sets, end users could now easily document, track, and analyze their response to the novel coronavirus.