

Verify Code Existence

Notice

The official version of the OHIE workflows can be found in the [OpenHIE Architecture Specification](#).

Overview

Description: This transaction allows a PoS, or any OHIE component, to access terminological information in the terminology service to verify that a code exists in a Code System. A typical example would be to validate that the codes contained in an incoming patient data message are, in fact, from a required code system, e.g. ICD-10 or LOINC.

Both external systems and systems inside the HIE may perform this transaction directly with the TS. The sequence diagram below shows the steps that occur for a system using this transaction.

1. Existence: Is a Concept Code present in a specified Code System. E.g., is '123XYZ' a valid Code in the ICD-10 Code System?

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Status: This operation has been extensively tested in FHIR Connectathons.

Referenced Standards and APIs

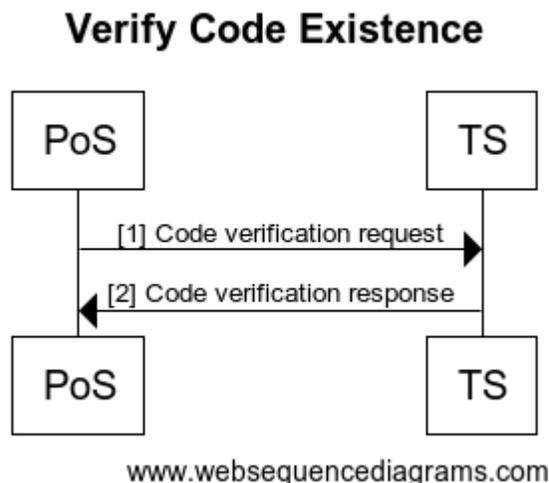
- The FHIR CodeSystem *validate-code* operation: <http://build.fhir.org/codesystem-operation-validate-code.html>. HL7 FHIR Specifications v3.0 or higher support *validate-code*. The response is a Boolean (true or false) based on whether the code exists in the specified CodeSystem.
- This workflow implements the IHE IT Infrastructure Technical Framework Supplement - Sharing Valuesets, Codes, and Maps (SVCN) Transaction: Validate Code ITI-Y5 for Code Systems.
- Once the code has been validated, additional code information, e.g. attributes, properties, etc., may be accessed via the *lookup* operation: <http://build.fhir.org/codesystem-operation-lookup.html>
- To verify code membership (existence) in a Value Set, see the [Verify Code Membership](#) workflow.

Assumptions and Prerequisites

- The required CodeSystems have been preloaded into the Terminology Service.

Actors

- PoS - The point-of-service system or other HIE component that is requesting to verify a code.
- TS - Stores the curated official version of the terminology and codes for the health system.



Technical details

Ref	Interaction	Endpoint	Data	Transaction Specification
1	Code verification request	TS	The validate-code request is triggered by a PoS or other HIE component. Input: A Concept Code and target Code System.	FHIR CodeSystem Resource, \$validate-code operation
2.	Code verification response	PoS	The response is sent back to the requesting system. Output: a True or False response.	FHIR CodeSystem Resource, \$validate-code operation