IVD-LIS Test/Result Mapping
IVD-LIS Test/Result Mapping

- EHR
- LIS
  - LOI
  - LRI
  - ELR
  - PH

- IVD Test
  - IVD Device

- IVD Result Value

- LOINC (RELMA, Web)
- SNOMED

- Local LOINC & SNOMED Maps

- Informs Human Mapper
  - creates

- 0..1

- LIS Test Result
  - LIS Result Value
  - 0..*

- LOINC
- SNOMED
LIVD Status

IICC – The IVD Industry Connectivity Consortium
LIVD = LOINC/IVD Mapping Implementation Guidance

• Published
  • ONC ISA - *Exchanging InVitro Diagnostics (IVD) Test Orders & Results*. References:
    • IICC Publication
    • HL7 Draft
  • IICC – Spreadsheet based IG: *Digital Format of LOINC to Vendor IVD Test Results, 2nd Edition*
    • Maps *test codes*

• In Progress
  • HL7 – FHIR based IG: *Loinc/IVD Mapping FHIR IG*
    • Maps *test codes and result codes*
  • HL7 LIVD STU 1 was balloted twice, but not published
  • Updates in progress to complete result code mapping and COVID generated requirements

In Use:
*LOINC In Vitro Diagnostic (LIVD) Test Code Mapping for SARS-CoV-2 Tests, Specimens and Results (CDC/FDA)*
*Mapping tool: LIVD SARS-CoV-2 Test Codes.xlsx*
*LIVD publication date 2022-04-06.*