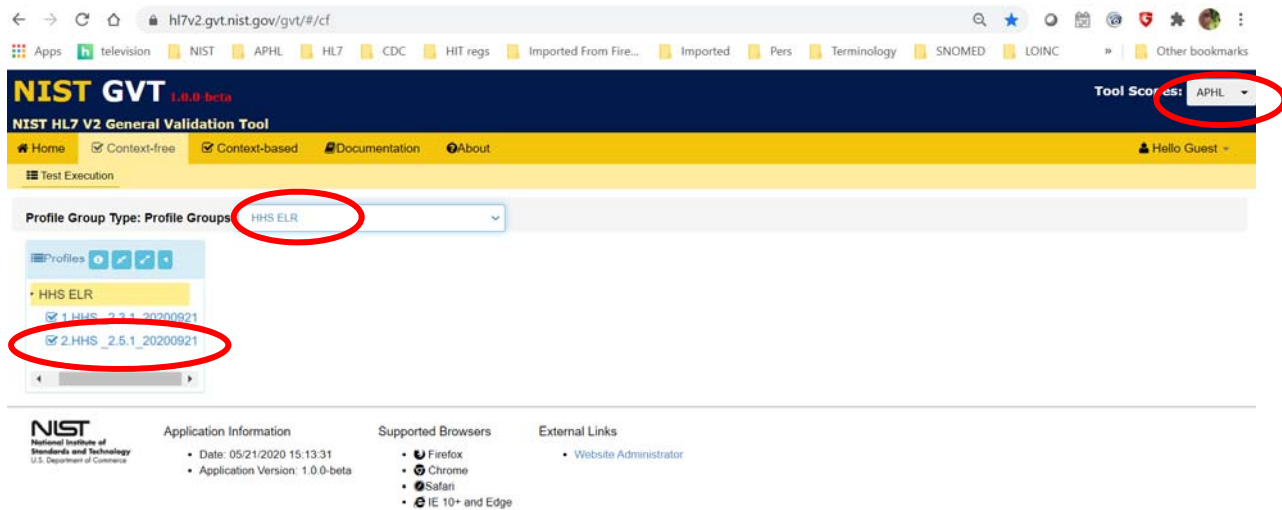




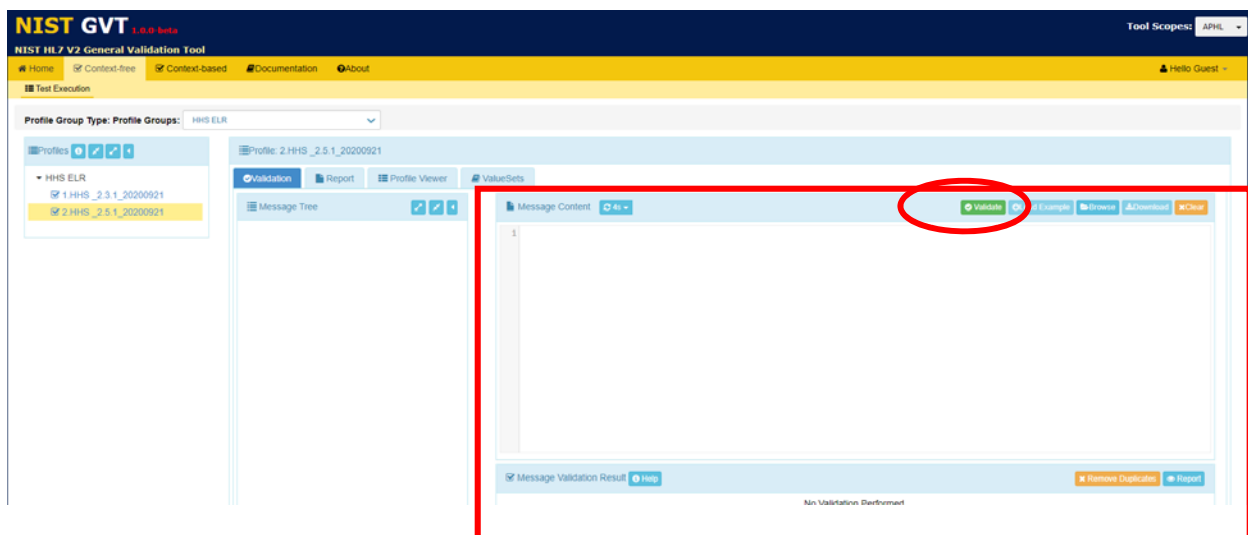
NIST General Validation Tool (GVT)

Going forward use the NIST General Validation Tool (GVT) accessible here:

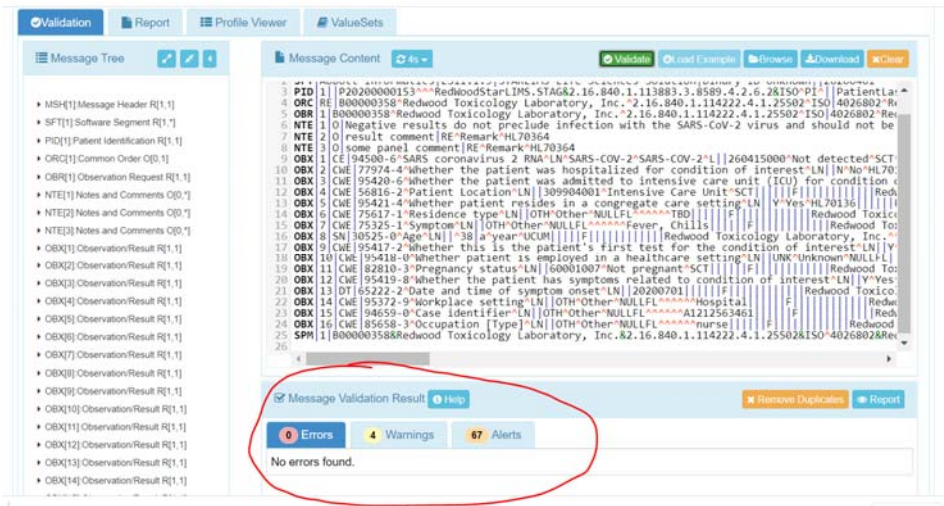
<https://hl7v2.gvt.nist.gov/gvt/#/cf>



1. Top right corner under “Tool Scopes” select “APHL”
2. Make sure the “Context-free” validation tab is selected:
3. Under “Profile Group Type:Profile Groups” select: “HHS ELR”
4. On the left menu side under “Profiles” select “2.HHS ELR v2.5.1_YYYYMMDD” – only the latest version – identified by the date at the end – should be visible, but in case there is more than one for V2.5.1 chose the latest one.



Either browse for your file or copy paste into the “Message Content” window, then click on “Validate”.



Validation Report Profile Viewer ValueSets

Message Tree

- MSH[1] Message Header R[1,1]
- SFT[1] Software Segment R[1,1]
- PI[1] Patient Identification R[1,1]
- ORC[1] Common Order O[0,1]
- OBX[1] Observation/Result R[1,1]
- NTE[1] Notes and Comments O[0,1]
- NTE[2] Notes and Comments O[0,1]
- OBX[2] Observation/Result R[1,1]
- OBX[3] Observation/Result R[1,1]
- OBX[4] Observation/Result R[1,1]
- OBX[5] Observation/Result R[1,1]
- OBX[6] Observation/Result R[1,1]
- OBX[7] Observation/Result R[1,1]
- OBX[8] Observation/Result R[1,1]
- OBX[9] Observation/Result R[1,1]
- OBX[10] Observation/Result R[1,1]
- OBX[11] Observation/Result R[1,1]
- OBX[12] Observation/Result R[1,1]
- OBX[13] Observation/Result R[1,1]
- OBX[14] Observation/Result R[1,1]

Message Content

```

3 PID 1 P20200000153 RedwoodStarIMS, STAG&2.16.840.1.113883.3.8589.4.2.6.2&ISO-P1 PatientLa
4 ORC RE 800000358 Redwood Toxicology Laboratory, Inc. 2.16.840.1.114222.4.1.25502 ISO 4026802 Re
5 OBR 1 800000358 Redwood Toxicology Laboratory, Inc. 2.16.840.1.114222.4.1.25502 ISO 4026802 Re
6 NTE 1 0 Negative results do not preclude infection with the SARS-CoV-2 virus and should not be
7 NTE 2 0 result comment RE Remark HL70364
8 NTE 3 0 some panel comment RE Remark HL70364
9 OBX 1 CE 94500-6 SARS coronavirus 2 RNA LN SARS-COV-2 L 260415000 Not detected SCT
10 OBX 2 CWE 77974-4 Whether the patient was hospitalized for condition of interest LN N No HL70
11 OBX 3 CWE 95420-6 Whether the patient was admitted to intensive care unit ICU for condition
12 OBX 4 CWE 56816-2 Patient location LN 309904001 Intensive Care Unit SCT F Redwood Toxi
13 OBX 5 CWE 95421-4 Whether patient resides in a congregate care setting LN Y Yes HL70136
14 OBX 6 CWE 75617-1 Residence type LN IOTH Other NULLFL T80 F Redwood Toxic
15 OBX 7 CWE 75325-1 Symptom LN IOTH Other NULLFL Fever, Chills F Redwood Toxi
16 OBX 8 SN 30525-0 Age LN 38 a year UCUR F Redwood Toxicology Laboratory, Inc.
17 OBX 9 CWE 95417-2 Whether this is the patient's first test for the condition of interest LN Y
18 OBX 10 CWE 95418-0 Whether patient is employed in a healthcare setting LN UNK Unknown NULLFL
19 OBX 11 CWE 82810-3 Pregnancy status LN 60001007 Not pregnant SCT F Redwood Toxi
20 OBX 12 CWE 95419-8 Whether the patient has symptoms related to condition of interest LN Y Yes
21 OBX 13 DT 65222-2 Date and time of symptom onset LN 20200701 F Redwood Toxic
22 OBX 14 CWE 95572-9 Workplace setting LN IOTH Other NULLFL Hospital F Redwood Toxi
23 OBX 15 CWE 94659-0 Case identifier LN IOTH Other NULLFL A1212563461 F Redwood
24 OBX 16 CWE 85658-3 Occupation Type LN IOTH Other NULLFL nurse F Redwood
25 SPM 1 800000358 Redwood Toxicology Laboratory, Inc. 82.16.840.1.114222.4.1.25502&ISO 4026802 Re
26

```

Message Validation Result Help

0 Errors 4 Warnings 67 Alerts

No errors found.

Goal is no errors

Warnings are for length issues and should be looked at, since several PHAs enforce this. AIMS doesn't because the ELR R1 specification defines these lengths as conformance length, meaning at least up to this maximum length must be supported. In most cases this is for namespace fields, which are defined along with the OIDs, so you should not run into issues (hopefully).

Alerts describe all the things we didn't check for.