LIVD Format use in HIV LOINC harmonization

Support for interagency activity:
Systemic Harmonization and Interoperability Enhancement for Laboratory Data (SHIELD)
Project Overview and Goals

- Collaboration with CDC/APHL/Regenstrief
- Goals:
  - Creating a list of recommended LOINC codes for the FDA approved diagnostic HIV tests for use in clinical care as well as surveillance
  - Test driving the LOINC to IVD test code (LIVD) format
    - [http://ivdconnectivity.org/livd/](http://ivdconnectivity.org/livd/)
The LIVD Format - extended

<table>
<thead>
<tr>
<th>Vendor Equipment Mapping</th>
<th>IVD Test Mapping</th>
<th>IVD Test Result</th>
<th>LOINC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publication ID</td>
<td>Manufacturer</td>
<td>Model</td>
<td>Equipment ID</td>
</tr>
<tr>
<td>LOINC codes used by labs</td>
<td>Recommended LOINC</td>
<td>Other LOINC codes used to represent this test's analytes or overall result interpretation</td>
<td>These LOINC codes are used to represent other tests</td>
</tr>
</tbody>
</table>

The LIVD formatted HIV table