

SampleCDA - shigella human positive.xml

```

<?xml-stylesheet type="text/xsl" href="sondra-IBM-CDA.xslt"?>
<ClinicalDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="urn:h17-org:v3"

xmlns:lab="urn:oid:1.3.6.1.4.1.19376.1.3.2" xsi:schemaLocation="urn:h17-org:v3
CDA.xsd">
  <realmCode code="US"/>
  <typeId extension="POCD_HD000040" root="2.16.840.1.113883.1.3"/>
  <templateId extension="Lab.Report.Clinical.Document"
root="1.3.6.1.4.1.19376.1.3.3"/>
  <id root="1.19.6.11.13.106007084049020095.1187820838029.3"/>
  <code code="18725-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Microbiology Studies"/>
  <title>Public Health Laboratory Report</title>
  <effectiveTime value="20070822171358.0029-0500"/>
  <confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25"
displayName="Normal"/>
  <languageCode code="en-US"/>
  <setId extension="07SR012345" root="2.16.840.1.113883.1.3"/>
  <versionNumber value="1"/>
  <recordTarget typeCode="RCT">
    <patientRole classCode="PAT">
      <id extension="sw54321" root="1.19.6.11.13"/>
      <addr use="HP"><streetAddressLine>1313 Mockingbird
Lane</streetAddressLine><city>Janesville</city><state>WI</state><postalCode>53545</p
ostalCode><country>USA</country></
addr>
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      <telecom value="608-555-5555"/>
      <patient classCode="PSN">
        <name><family>Winters</family><given>Shelly</given></name>
        <administrativeGenderCode code="F"/>
        <birthTime value="19401213"/>
        <religiousAffiliationCode code="1022" codeSystem="2.16.840.1.113883"
codeSystemName="HL7"
displayName="Independent"/>
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            <addr><city>Janesville</city><state>WI</state><country>USA</country></addr>
          </place>
        </birthplace>
      </patient>
    </patientRole>
  </recordTarget>
  <author>
    <time value="20070822171358.0029-0500"/>
    <assignedAuthor>
      <id extension="AD2007" root="1.19.6.11.13"/>
      <addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
      <telecom value="408-555-5555"/>
      <assignedPerson>
        <name><family>Person</family><given>Author</given></name>
      </assignedPerson>
      <representedOrganization>
        <id extension="AD2007" root="1.19.6.11.13"/>
        <name>IBM</name>

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<telecom value="408-555-5555"/>
<addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
```

```
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
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</representedOrganization>
</assignedAuthor>
</author>
<author>
  <time value="20070822171358.0029-0500"/>
  <assignedAuthor>
    <id extension="AD2007" root="1.19.6.11.13"/>
    <addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
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```
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
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</assignedAuthoringDevice>
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  <name>IBM DEVICE</name>
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  <addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
```

```
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
```

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</representedOrganization>
</assignedAuthor>
</author>
<custodian typeCode="CST">
  <assignedCustodian classCode="ASSIGNED">
    <representedCustodianOrganization>
      <id root="1.19.6.11.13"/>
      <name>Universal Custodian Services</name>
      <telecom value="789-555-2121"/>
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Ave</streetAddressLine><city>Washington
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DC</city><postalCode>98765</postalCode><country>USA</country></addr>
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</representedCustodianOrganization>
</assignedCustodian>
</custodian>
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  <assignedEntity>
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Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
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dr>
  <telecom value="312-555-5555"/>
  <assignedPerson>
    <name><family>Johnson</family><given>Linda</given><prefix>Dr</prefix></name>
  </assignedPerson>
  <representedOrganization>
    <id extension="rm83747" root="1.19.6.11.13"/>
    <name>Public Health Laboratory</name>
    <telecom value="312-555-5555"/>
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Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</postalCode><country>USA</country></ad

dr>

</representedOrganization>  
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<id extension="274" root="1.19.6.11.13"/>  
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Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</postalCode><country>USA</country></ad

dr>

<telecom value="312-555-5555"/>  
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ASCP</suffix><family>Technologist</family><given>274</given></name>  
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<name>Public Health Laboratory</name>  
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<addr><streetAddressLine>1234 Laboratory

Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</postalCode><country>USA</country></ad

dr>

</representedOrganization>  
</assignedEntity>  
</authenticator>  
<participant typeCode="REF">  
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<low value="200706080600"/>  
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</time>  
<associatedEntity>  
<id extension="90573" root="1.19.6.11.13"/>  
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dr>

<telecom value="312-555-5555"/>  
<associatedPerson>  
<name><family>Patel</family><given>Kiran</given><prefix>Dr.</prefix></name>  
</associatedPerson>  
<scopingOrganization>  
<id extension="rm83747" root="1.19.6.11.13"/>  
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<telecom value="312-555-5555"/>  
<addr><streetAddressLine>7000 Hosptial

Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</postalCode><country>USA</country></ad

SampleCDA - shigella human positive.xml

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dr>
  </scopingOrganization>
  </associatedEntity>
</participant>
<inFulfillmentOf>
  <order>
    <id extension="28902809" root="1.19.6.11.13"/>
    <code code="XXXXX-X" codeSystem="LOINC" codeSystemName="Shigella Serotype"
displayName="2.16.840.1.113883.6.1"/>
  </order>
</inFulfillmentOf>
<inFulfillmentOf>
  <order>
    <id extension="28902809" root="1.19.6.11.13"/>
    <code code="29576-6" codeSystem="LOINC" codeSystemName="Microbiology
Susceptibility"
displayName="2.16.840.1.113883.6.1"/>
  </order>
</inFulfillmentOf>
<inFulfillmentOf>
  <order>
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    <code code="PFGEY-Y" codeSystem="LOINC" codeSystemName="Shigella Pulsenet"
displayName="2.16.840.1.113883.6.1"/>
  </order>
</inFulfillmentOf>
<documentationOf>
  <serviceEvent>
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      <high value="20070608"/>
    </effectiveTime>
    <performer typeCode="PRF">
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Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
dr>
  <telecom value="312-555-5555"/>
  <assignedPerson>
<name><family>Trenton</family><given>Douglas</given><prefix>Dr.</prefix></name>
  </assignedPerson>
  <representedOrganization>
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    <name>Hospital Laboratory</name>
    <telecom value="312-555-5555"/>
    <addr><streetAddressLine>7000 Hosptial
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
dr>
  </representedOrganization>
  </assignedEntity>
</performer>
</serviceEvent>
</documentationOf>
```

SampleCDA - shigella human positive.xml

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<authorization>
  <consent classCode="CONS" moodCode="EVN">
    <statusCode code="completed"/>
  </consent>
</authorization>
<componentOf>
  <encompassingEncounter>
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    <effectiveTime value="20070604"/>
    <location>
      <healthCareFacility>
        <code code="HU" codeSystem="2.16.840.1.113883.5.10588" codeSystemName="HL7
Service Delivery Location"
displayName="Hospital Unit"/>
      </healthCareFacility>
    </location>
  </encompassingEncounter>
</componentOf>
<component typeCode="COMP">
  <structuredBody classCode="DOCBODY" moodCode="EVN">
    <component typeCode="COMP">
      <section classCode="DOCSECT">
        <code code="18725-2" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Microbiology
Studies"/>
        <title>Public Health Laboratory Report</title>
        <text><table>
          <thead ID="isoTest">
            <tr>
              <th>Organism Isolated*</th>
              <th>Specimen Type</th>
              <th>Comments</th>
            </tr>
          </thead>
          <tbody>
            <tr>
              <td>Shigella species</td>
              <td>stool</td>
            </tr>
            <tr>
              <td>* Performed at Hospital Laboratory</td>
            </tr>
          </tbody>
        </table><table>
          <thead ID="serotypeTest">
            <tr>
              <th>Shigella Serotype</th>
              <th>LOINC</th>
              <th>SNOMED</th>
            </tr>
          </thead>
          <tbody>
            <tr>
              <td>Shigella flexneri 3a</td>
              <td>7576-0</td>
              <td>125012007</td>
            </tr>
          </tbody>
        </table>

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</table><table>
  <thead>
    <tr>
      <th>Salmonella Susceptibility</th>
      <th>Interpretation</th>
      <th>Comments</th>
    </tr>
  </thead>
  <tbody>
    <tr ID="a0">
      <td>Tetracycline</td>
      <td>Susceptible</td>
      <td></td>
    </tr>
    <tr ID="a1">
      <td>Ciprofloxacin</td>
      <td>Susceptible</td>
      <td></td>
    </tr>
    <tr ID="a2">
      <td>Trimethprim + Sulfamethoxazole</td>
      <td>Susceptible</td>
      <td></td>
    </tr>
    <tr ID="a3">
      <td>Ampicillin</td>
      <td>Susceptible</td>
      <td></td>
    </tr>
    <tr ID="a4">
      <td>Chloramphenicol</td>
      <td>Susceptible</td>
      <td></td>
    </tr>
    <tr ID="a5">
      <td>Ceftriaxone</td>
      <td>Susceptible</td>
      <td></td>
    </tr>
  </tbody>
</table><table>
  <thead ID="pulsenetTest">
    <tr>
      <th>Shigella PulseNet</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>PulseNet image embedded in document.</td>
    </tr>
  </tbody>
</table><renderMultiMedia referencedObject="PulseNet"/></text>
<entry typeCode="DRIV">
  <templateId extension="Lab.Report.Data.Processing.Entry"
root="1.3.6.1.4.1.19376.1.3"/>
  <act classCode="ACT" moodCode="EVN">
    <statusCode code="completed"/>
    <specimen typeCode="SPC">
      <specimenRole classCode="SPEC">
        <id extension="55584739900388" root="1.19.6.11.13"/>
        <specimenPlayingEntity classCode="MIC">
          <code code="STL" codeSystem="2.16.840.1.113883.5.129"
displayName="Stool"/>

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        SampleCDA - shigella human positive.xml
    </specimenPlayingEntity>
    <lab:productOf typeCode="PRD">
        <lab:procedure classCode="PROC" moodCode="EVN">
            <effectiveTime value="20070604"/>
            <participant>
                <participantRole>
                    <addr><streetAddressLine>7000 Hosptial
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</postalCode><country>USA</country></addr>
dr>
                    <telecom value="312-555-5555"/>
                </participantRole>
            </participant>
        </lab:procedure>
    </lab:productOf>
</specimenRole>
</specimen>
<entryRelationship typeCode="COMP">
    <act classCode="ACT" moodCode="EVN">
        <code code="SPC_REC" codeSystem="X.X" codeSystemName="PHLab"
displayName="Specimen Received
Date/Time"/>
        <effectiveTime value="20070605"/>
    </act>
</entryRelationship>
<entryRelationship typeCode="COMP">
    <observation classCode="OBS" moodCode="EVN">
        <code code="77352002" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-CT"
displayName="Shigella">
            <qualifier>
                <name code="XXX" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-RT"
displayName="FROM RELATIONSHIP"/>
                <value code="YYY" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-RT"
displayName="HUMAN/FOOD/ANIMAL"/>
            </qualifier>
            <translation code="7576-0" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Shigella"/>
            <translation code="L-1E100" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED"
displayName="Shigella"/>
        </code>
    </observation>
</entryRelationship>
<entryRelationship typeCode="COMP">
    <organizer classCode="CLUSTER" moodCode="EVN">
        <statusCode code="completed"/>
        <effectiveTime value="20070608"/>
        <specimen>
            <specimenRole classCode="ISLT">
                <specimenPlayingEntity>
                    <code code="125012007" codeSystem="2.16.840.1.113883.6.96"
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codeSystemName="SNOMED-CT"
displayName="Shigella flexneri 3a">
  <translation code="7576-0"
codesystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Shigella flexneri 3a"/>
  <translation code="L-1E122"
codesystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED"
displayName="Shigella flexneri 3a"/>
  </code>
  </specimenPlayingEntity>
  </specimenRole>
  </specimen>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <code code="89029-0" codesystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Microbiology Culture">
      <originalText><reference value="isoTest"/></originalText>
      </code>
      <text/>
      <statusCode code="completed"/>
      <effectiveTime value="20070608"/>
      <value xsi:type="CE" code="1116048001"
codesystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED" displayName="Shigella species"/>
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        <assignedEntity>
          <id extension="rm83747" root="1.19.6.11.13"/>
          <addr><streetAddressLine>7000 Hosptial
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
dr>
          <telecom value="312-555-5555"/>
          <assignedPerson>
            <name><family>Trenton</family><given>Douglas</given><prefix>Dr.</prefix></name>
            </assignedPerson>
            <representedOrganization>
              <id extension="rm83747" root="1.19.6.11.13"/>
              <name>PRF Hospital Laboratory</name>
              <telecom value="312-555-5555"/>
              <addr><streetAddressLine>7000 Hosptial
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
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dr>
            </representedOrganization>
          </assignedEntity>
        </performer>
      </observation>
    </component>
  </component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="20951-0" codesystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"

```



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```
displayName="Shigella Serotype">
  <originalText><reference
value="serotypeTest"/></originalText>
  </code>
  <text>Serotype Test Result Comment</text>
  <statusCode code="completed"/>
  <effectiveTime value="20070608"/>
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codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-CT" displayName="Shigella flexneri 3a"/>
  </observation>
</component>
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  <code code="29576-6" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Microbiology Susceptibility"/>
  <statusCode code="completed"/>
  <effectiveTime value="20070608"/>
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    <observation classCode="OBS" moodCode="EVN">
      <code code="18993-6" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Tetracycline">
        <originalText><reference value="a0"/></originalText>
        </code>
        <statusCode code="completed"/>
        <interpretationCode code="S"
codeSystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
          </observation>
        </component>
      <component>
        <observation classCode="OBS" moodCode="EVN">
          <code code="18906-8" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Ciprofloxacin">
            <originalText><reference value="a1"/></originalText>
            </code>
            <statusCode code="completed"/>
            <interpretationCode code="S"
codeSystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
              </observation>
            </component>
          <component>
            <observation classCode="OBS" moodCode="EVN">
              <code code="18995-5" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Trimethprim + Sulfamethoxazole">
                <originalText><reference value="a2"/></originalText>
                </code>
                <statusCode code="completed"/>
                <interpretationCode code="S"
codeSystem="2.16.840.1.113883.11.10219"
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displayName="Susceptible"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
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codesystemName="LOINC"
displayName="Ampicillin">
    <originalText><reference value="a3"/></originalText>
    </code>
    <statusCode code="completed"/>
    <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
    </observation>
  </component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="18903-5" codesystem="2.16.840.1.113883.6.1"
codesystemName="LOINC"
displayName="Chloramphenicol">
    <originalText><reference value="a4"/></originalText>
    </code>
    <statusCode code="completed"/>
    <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
    </observation>
  </component>
<component>
  <observation classCode="OBS" moodCode="EVN">
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codesystemName="LOINC"
displayName="Ceftriaxone">
    <originalText><reference value="a5"/></originalText>
    </code>
    <statusCode code="completed"/>
    <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
    </observation>
  </component>
</organizer>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="PULSE_NET_RESULT" codesystemName="TEST_INDICATOR">
    <originalText><reference
value="pulsenetTest"/></originalText>
    </code>
    <text>PFGE image included.</text>
    <statusCode code="completed"/>
    <effectiveTime value="20070608"/>
    <methodCode code="PFGE"
codesystem="1.2.820.99999.106000022002159086.1170200374775.3"

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```
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displayName="PFGE"/>
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  </component>
  </organizer>
</entryRelationship>
</act>
</entry>
<entry>
  <observationMedia classCode="OBS" ID="PulseNet" moodCode="EVN">
    <value representation="B64" mediaType="image/jpeg">XX</value>
  </observationMedia>
</entry>
</section>
</component>
</structuredBody>
</component>
</ClinicalDocument>
```