Defining the HIPAA Standard for Claims Attachments

A Joint HL7/X12 Effort

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*speaking today on behalf of HL7

HIPAA

• Health Insurance Portability and Accountability Act of 1996
  – Administrative Simplification Standards
**HIPAA Administrative Simplification**

- **Goal: Save Healthcare Money**
  - Reduce people, paper, and postage
  - EDI
  - Enabling standards

  - transactions
  - codes
  - identifiers
  - security/electronic signature/privacy
  - no bilateral negotiations

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**X12 Transaction Flow**

```
<table>
<thead>
<tr>
<th>Providers</th>
<th></th>
<th>Insurance and Payers</th>
<th>Sponsors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligibility Verification</td>
<td>270</td>
<td>Enrollment</td>
<td>Enrollment</td>
</tr>
<tr>
<td></td>
<td>271</td>
<td>834</td>
<td>810</td>
</tr>
<tr>
<td>Pre-treatment Authorization and Referrals</td>
<td>278</td>
<td>Precertification and Adjudication</td>
<td></td>
</tr>
<tr>
<td>Service Billing/Claim Submission</td>
<td>837</td>
<td>Claim Acceptance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>275</td>
<td></td>
<td>820</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Claim Status Inquiries</td>
<td>276</td>
<td>Adjudication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>277</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts Receivable</td>
<td>835</td>
<td>Accounts Payable</td>
<td></td>
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</tbody>
</table>
```

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Organizations and Documents

- ASC X12 & Subcommittee X12N
- X12 Trans. Sets 277, 275
- X12 Impl. Guides 277, 275
- HL7 Version 2.3
- HL7 Claims Attachments Impl. Guide
- "Data Content Committees"
- LOINC Attachment Booklets

Conceptual Approach

Electronic Attachment

- Element LOINC Code
  - Answer Part LOINC Code
  - Answer Part LOINC Code
  - Answer Part LOINC Code

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Emergency Dept Attachment

<table>
<thead>
<tr>
<th>Emergency Dept</th>
<th>30053-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory Rate</td>
<td>Respiratory Rate (NM)</td>
</tr>
<tr>
<td>11291-2</td>
<td>11291-2</td>
</tr>
<tr>
<td>Body Temp</td>
<td>Body Temp (NM)</td>
</tr>
<tr>
<td>11289-6</td>
<td>11289-6</td>
</tr>
<tr>
<td>Temp Reading Site (CE)</td>
<td>11290-4</td>
</tr>
</tbody>
</table>

277 Questions & 275 Answers

- A 277 asks for
  - Attachments
  - Elements

- A 275 sends
  - Elements consisting of
  - Answer parts

Electronic Attachment
- Element
- Element
- Element
- Element
- By sending LOINC codes

<table>
<thead>
<tr>
<th>Element</th>
<th>Answer Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>Answer Part</td>
</tr>
<tr>
<td>Element</td>
<td>Answer Part</td>
</tr>
</tbody>
</table>

- Identified by LOINC codes
Full Documentation Suite

• X12 Implementation Guides
  ▶ ASC X12N Implementation Guide for Use of the 275 Transaction (004020) Additional Information to Support a Health Care Claim or Encounter
  ▶ ASC X12N Implementation Guide for Use of the 277 Transaction (004020) Health Care Claim, Request for Additional Information

• HL7 Implementation Guide

• LOINC Code Booklets

• Other
  ▶ Modifier Codes in the ASC X12N Implementation Guide for the 277 Requests for Additional Information Transaction
  ▶ LOINC Codes for the HL7 and X12 Additional Information to Support a Healthcare Claim or Encounter Transactions: Summary Listing

LOINC Code Booklets

• LOINC Code Tables for the HL7 "Additional Information to Support a Healthcare Claim or Encounter" Message: Ambulance

• LOINC Code Tables for the HL7 "Additional Information to Support a Healthcare Claim or Encounter" Message: Rehabilitation Services

• LOINC Code Tables for the HL7 "Additional Information to Support a Healthcare Claim or Encounter" Message: Medications

• LOINC Code Tables for the HL7 "Additional Information to Support a Healthcare Claim or Encounter" Message: Laboratory Results

• LOINC Code Tables for the HL7 "Additional Information to Support a Healthcare Claim or Encounter" Message: Clinical Reports

• LOINC Code Tables for the HL7 "Additional Information to Support a Healthcare Claim or Encounter" Message: Emergency Department
Organizations and Documents

- ASC X12 & Subcommittee X12N
- X12 Transaction Sets 277, 275
- X12 Implementation Guides 277, 275
- Health Level Seven
- HL7 Version 2.3
- HL7 Claims Attachments Impl. Guide
- “Data Content Committees”
- LOINC
- LOINC Attachment Booklets

ORU: the Message for 275

<table>
<thead>
<tr>
<th>ORU</th>
<th>Observational Results (Unsolicited)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSH</td>
<td>Message Header</td>
</tr>
<tr>
<td>PID</td>
<td>Patient Identification</td>
</tr>
<tr>
<td>{OBR}</td>
<td>Observations Report ID</td>
</tr>
<tr>
<td>{OBX}</td>
<td>Observation/Result</td>
</tr>
</tbody>
</table>

Answer Part Loop

Element Loop
HL7 Message

**MSH**
|^~\&|||19981105131523|ORU^R01<cr>

**PID**
||100928782^9^M11|Smith^John^J<cr>

**OBR**
|||Z0063-0^^LN<cr>

**OBX**
|XCN|Z0063-0^^LN|2093467^Smits^J^<cr>

Other data fields include: date of observation, identity of provider giving observation, normal ranges, abnormal flags.

**OBX: the flexible segment**

A code that identifies the **datatype** of OBX-5

Other data fields include: date of observation, identity of provider giving observation, normal ranges, abnormal flags

A code that identifies the data in OBX-5 (Temp Reading)

A code that identifies the units of numerical data in OBX-5

**OBX**
|NM|11289-6^^LN|38|C^^ISO+|F
## Emergency Department (Partial)

```
MSH|^~\&|||19981105131523|ORU^R01|
PID||100928782^9^MOD11|Smith^John^J

OBR||11291-2 ^^LN<cr>  
OBX|CE|11291-2 ^^LN|12||F

OBR||15511-9 ^^LN
OBX|NM|11289-6 ^^LN|38|C^ISO+|||F

OBX|CE|11290-4 ^^LN|4^DEEDS4.27||F
```

## Claims Attachment Status

- NPRM
- Comment Period
- Final rule
- Requirement
  - Payers--yes
  - Providers--no
- Additional LOINC booklets
More Information

- **HL7 official Web site**
  - general information/link to CA-SIG
  - [http://www.hl7.org](http://www.hl7.org)

- **Duke healthcare informatics**
  - tech info on HL7, LOINC, and many other healthcare info standards
  - [http://www.mcis.duke.edu/standards/guide.htm](http://www.mcis.duke.edu/standards/guide.htm)

Even More Information

- **Washington Publishing Company (HIPAA Implementation Guides)**
  - [http://www.wpc-edi.com](http://www.wpc-edi.com)