


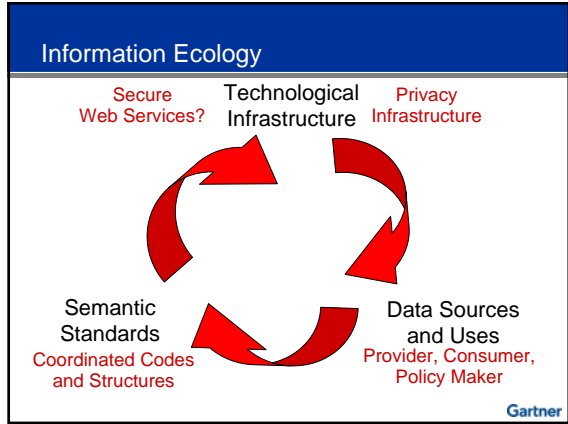
## Impact of Emerging HIT Data Standards on HIPAA Implementation



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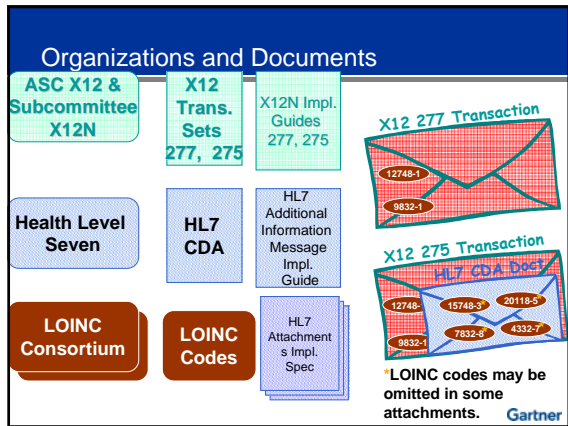
## The Focal Issue: Structured Data

### Must We Sell the Future to Gain the Present?

- Present**
  - Limited ability of providers to provide structured data
  - ROI available by saving People, Paper, and Postage
- Future**
  - increasing levels of autoadjudication
  - better medical management
  - more extensive collection of quality data
  - requires structured data

Web-based communication models

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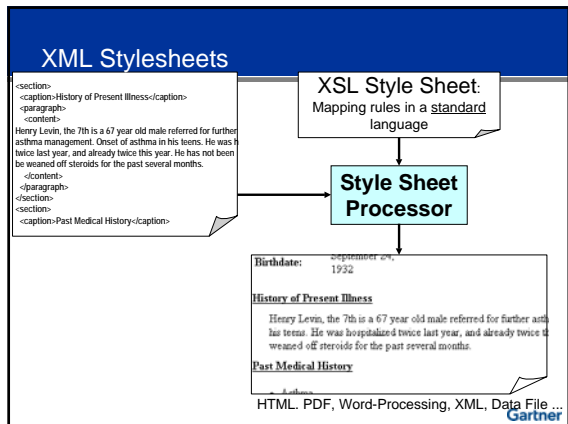


## HL7 Clinical Document Architecture (CDA)

- Objective: standardization of clinical documents for exchange using XML Standard tags for XML documents
- Markup provides information persistence and processability across applications
- ANS HL7 CDA R1.0-2000 includes:
  - Header
  - CDA Body

**XML is the "Magic Ingredient"**

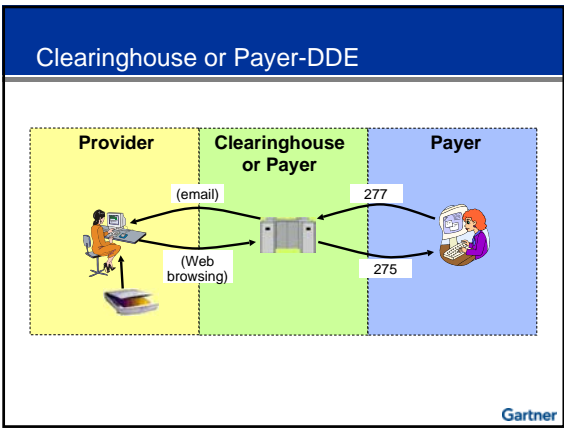
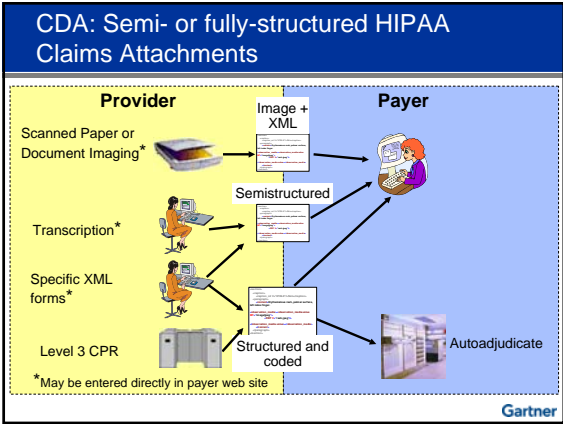
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### "Human-Decision" vs. "Computer-Decision" Variants

Human-Decision Variant	Computer-Decision Variant
<ul style="list-style-type: none"> <li>- Matches the most prevalent workflow: a person reviewing the information to make a decision</li> <li>- "Low-impact" on health plans (easy to display using common tools)</li> <li>- "Low-impact" on providers (supports low-cost document preparation and "fax-like" use of existing paper or document images)</li> </ul>	<ul style="list-style-type: none"> <li>- Permits computer-assisted adjudication or autoadjudication</li> <li>- Includes specifications for breaking data down into computer-accessible elements</li> <li>- Includes LOINC codes to identify the questions</li> <li>- Includes answer codes suitable to the question</li> <li>- Processable in "Human-Decision" mode by health plans that have not adopted a computer-decision approach.</li> <li>- Can be applied selectively, one attachment at a time.</li> </ul>

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### Provider Readiness Impacts Predicted Acceptance

- Highest IT Ability:
  - Next-generation patient accounting, integrated with next-generation computer-based patient record
  - Structured clinical data available on-line and tightly integrated with revenue cycle
- Intermediate:
  - Some medical record data on-line, often in image format, much data only in chart
  - separate but competent patient accounting
- Better practices
  - clinical data only in chart
  - modern billing system with integrated HIPAA EDI
- Too many practices
  - clinical data only in chart
  - billing system integrated with clearinghouse through print images or using DDE billing

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### Proposed Approach Captures the Least Common Denominator

- Providers
  - All levels can produce the human decision variant with small investments in technology (e.g., purchase of \$60 scanner and Internet access or extensions to the billing system)
- Health Plans
  - More willing to invest because more providers can use it
  - Reduced investment for minimal compliance

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### Gain Immediate Benefits...

Providers	Health Plans
<ul style="list-style-type: none"> <li>- Benefits               <ul style="list-style-type: none"> <li>• predictable content allows anticipatory transmission of information; reduced payment delays due to requests</li> <li>• ROI available by saving people, paper, and postage</li> <li>• reduced denials and rework for failure to provide additional documentation</li> <li>• potential for faster payment</li> </ul> </li> <li>- Maximum opportunity for immediate participation</li> </ul>	<ul style="list-style-type: none"> <li>- Benefits               <ul style="list-style-type: none"> <li>• reduced PPP</li> <li>• reduced rework</li> <li>• fewer pended claims for documentation requests</li> </ul> </li> <li>- HIPAA Compliance Costs               <ul style="list-style-type: none"> <li>• limit early implementation costs to basic Qs and As</li> <li>• less early use of LOINC codes</li> <li>• initial investment more justified by higher provider participation</li> </ul> </li> </ul>

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## ...But Don't Sell Out the Future

### ■ Providers

- Health plan incentives for structured data provides financial benefit for acquiring a computer-based patient record
- Timing for conversion is a business decision rather than an enforced decision

### ■ Health Plans

- After the basic ROI is obtained, advance to the use of structured data without another regulatory cycle
- Selectively approach the use of structured data as business opportunities arise, rather than being forced to by a regulation

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