

Public Health Systems Interoperability



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Why Become Interoperable?

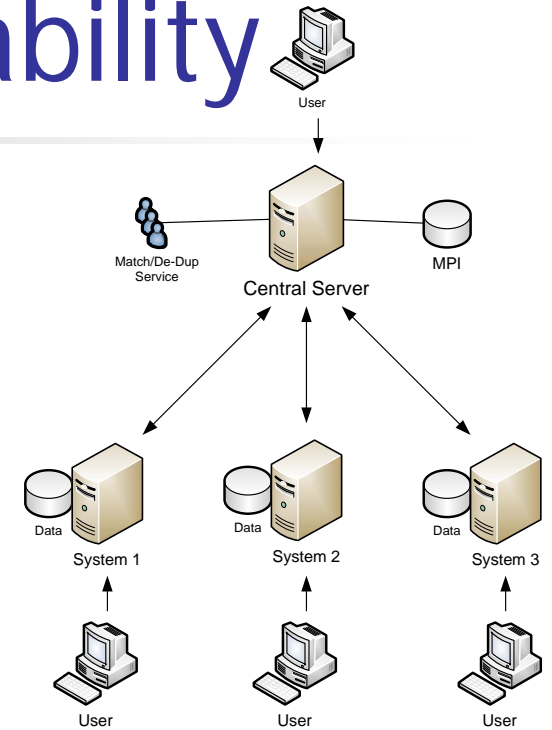
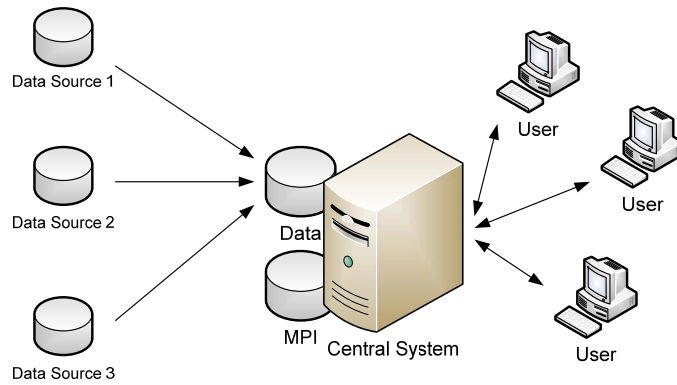
- On-demand Information Availability
 - Infrastructure to enable access to client data from anywhere in the jurisdiction
- Decision Support
 - Unlock value of information by making better use of data to support executive decision-making through business intelligence (BI)
- Opportunities to Improve Process of Delivering Services
 - Through access to client services data



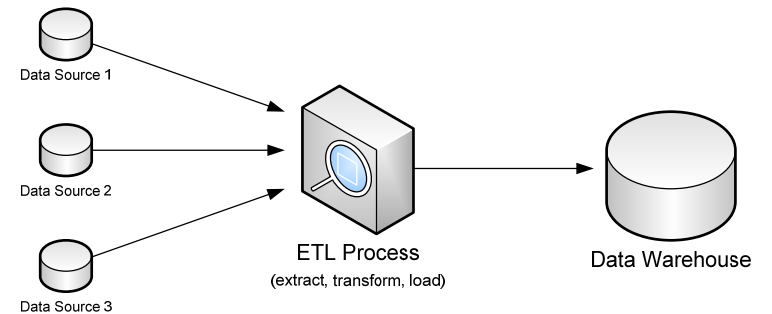
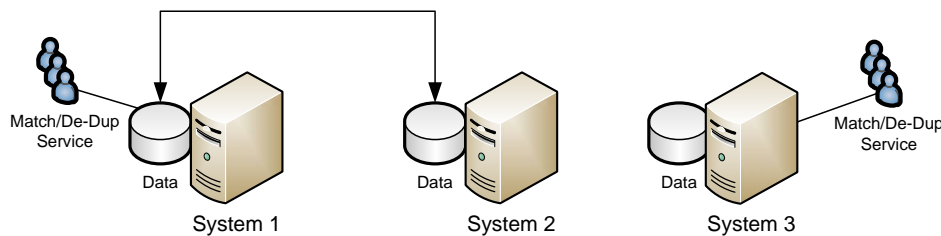
Three Key Aspects

- Technical Interoperability
 - Structure, syntax, reliable communication
- Semantic Interoperability
 - Full meaning preserved
- Process Interoperability
 - Integration of systems into work flow

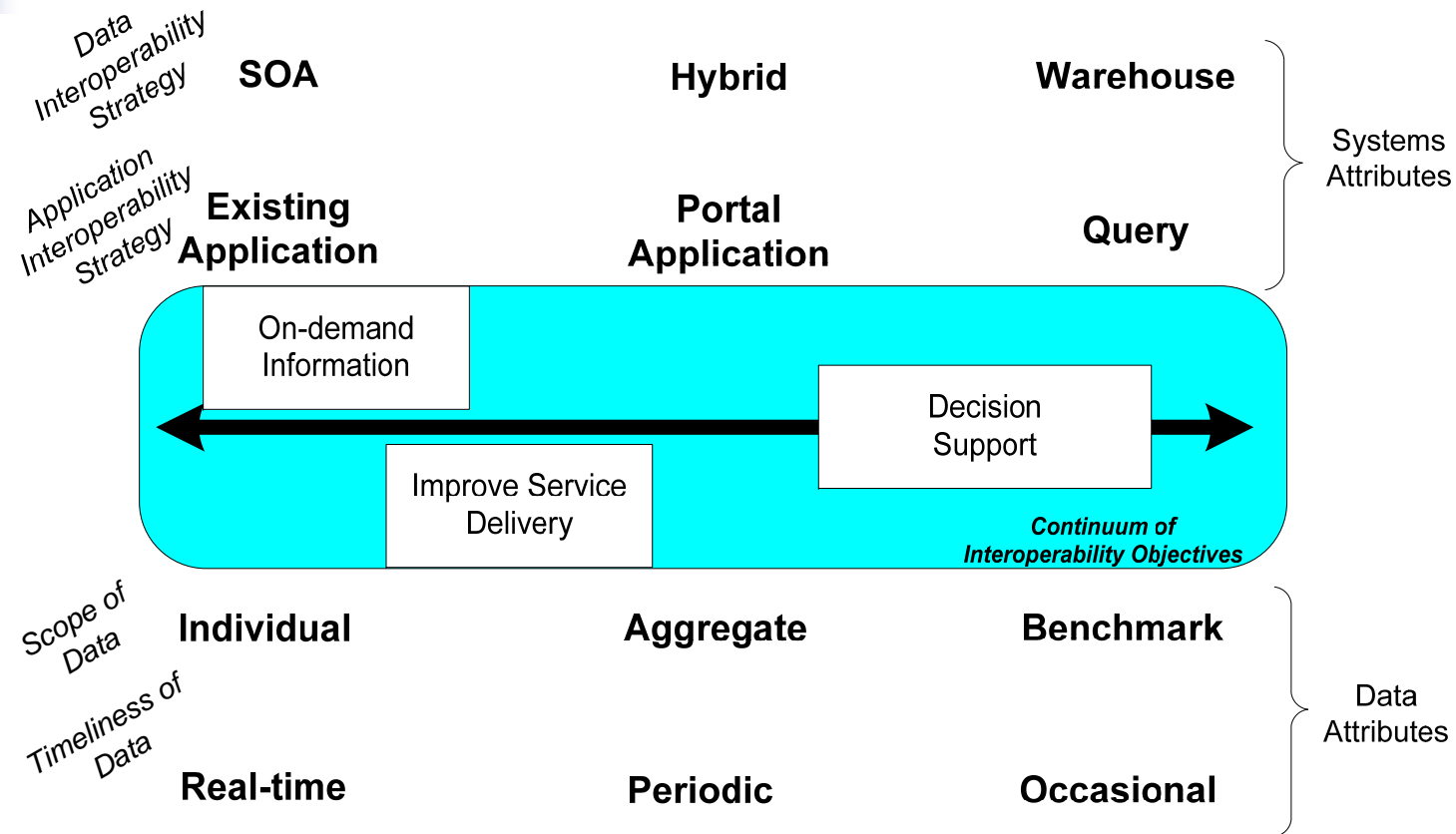
Models of Interoperability



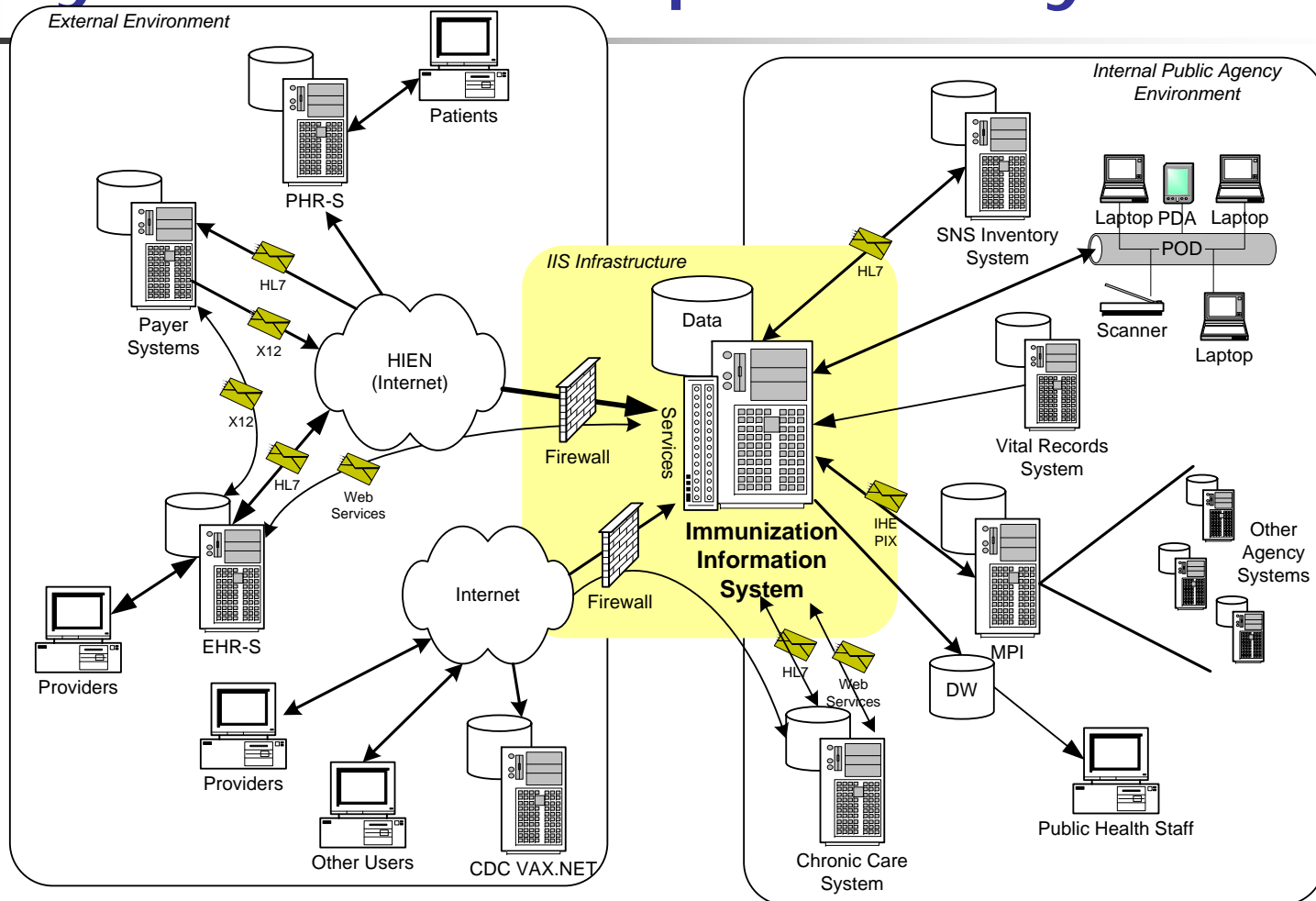
Many variations in between!



Model Comparison: Bringing Concepts Together



Immunization Information System Interoperability





Additional Information

- **Coming to Terms: Scoping Interoperability for Health Care [HL7]**
(<http://www.hln.com/assets/pdf/Coming-to-Terms-February-2007.pdf>)
- **Unique Records Portfolio [PHII]**
(<http://www.phii.org/resources/UniqueRecordsPortfolio.asp>)
- **Evolution of Public Health Information Systems: Enterprise-wide Approaches [HLN]**
(<http://www.hln.com/assets/pdf/UT-White-Paper-Final.pdf>)