

HL7 and FHIR Standards

HL7 v2 Messages

- Pipe-delimited format
- ADT, ORM, ORU message types
- Widely adopted legacy standard
- Complex parsing required

FHIR Resources

- JSON/XML formats
- Patient, Observation, Medication
- Modern web-based standard
- Easy to implement

RESTful APIs

- HTTP GET, POST, PUT, DELETE
- Resource-based URLs
- OAuth 2.0 authentication
- SMART on FHIR apps

Implementation Guides

- US Core profiles
- Argonaut specifications
- Country-specific extensions
- Validation tools