

Standard Domain	Standard Adopted	Include?
Laboratory Result Contents	Category 0 UMLS ®codes (effectively encompass all of SNOMED CT® and part of National Center for Biotechnology Information (NCBI) Taxonomy codes)	
Units	Category 0 UMLS ®codes (effectively encompass all of SNOMED CT® and part of National Center for Biotechnology Information (NCBI) Taxonomy codes)	
Disability and Assessments Forms	Clinical LOINC® representation of federally-required assessment (i) questions and answers, and (ii) assessment forms that include functioning and disability content International Classification of Functioning, Disability and Health (ICF) SNOMED CT® HL7® Version 2.4 and higher and Clinical Document Architecture (CDA)	
Messaging Standards: Includes Image Information to Workstations	Digital Imaging Communications in Medicine (DICOM)	
Multimedia (Storage)	Digital Imaging Communications in Medicine (DICOM)	
Multimedia (Exchange)	Digital Imaging Communications in Medicine (DICOM) + HL7	
Chemicals	Environmental Protection Agency's (EPA) Substance Registry System (SRS) (CONDITONAL)	
Medications: Active Ingredients	FDA Established Name for active ingredient & FDA Unique Ingredient Identifier (UNII) codes	
Medications: Manufactured Dosage Form	FDA/CDER Data Standards Manual	
Medications: Package	FDA/CDER Data Standards Manual	
Medications: Drug Product	Food and Drug Administration's (FDA) National Drug Code (NDC) Product Name/Code	
Messaging Standards: Includes order entry, scheduling, medical record/image management, patient administration, observation reporting, financial management, patient care, and public health notification	Health Level Seven® (HL7) version 2.3+	
Immunizations	Health Level Seven® (HL7®) Version 2.3.1+ for immunization registry terminology, more specifically the CVX (clinical vaccine formulation) and MVX (manufacturer) codes.	

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Demographics	Health Level Seven® (HL7®), Version 2.4 and higher	
Clinical Encounters	Health Level Seven® (HL7®), Version 2.4 and higher with specific data elements & value sets: National Provider System identifiers, HL7®-defined Value Sets (v2.4), HL7® Suggested Value Sets (v2.4), HL7® Suggested Value Sets (v2.5), HL7® v3 Defined Value Sets, HCFA 1450, Uniform/Universal Billing form 92 (UB92), Healthcare Provider Taxonomy, ICD-9 E codes, FIPS 5-2, ICD-10	
Allergy	Health Level Seven® (HL7®), Version 2.4 and higher: Information Exchange Segment/RIM Unique Ingredient Identifier (UNII): Allergen Code, Mnemonic, Description RxNorm, Drug Brand Name (BN): Allergen Code, Mnemonic, Description National Drug File Reference Terminology (NDF-RT™): Allergen Group, Drug Classes (Chemical Structure) Systematized Nomenclature of Medicine Clinical Terms (SNOMED CT®): Allergy Type, Allergy Severity, Allergy Reaction	
Medications: Special Populations	Health Level Seven® (HL7®), Version 2.4 gender, race & ethnicity codes	
Text Based Reports	Health Level Seven® CDA Release 1.0-2000 and subsequent releases.	
Genes	Human Gene Nomenclature (HUGN)	
Messaging Standards: Connectivity	Institute of Electrical and Electronics Engineers 11073 (IEEE 11073) Series	
Interventions & Procedures Laboratory Test Order Names	Logical Observation Identifier Names and Codes (LOINC®)	Yes
Laboratory Result Names	Logical Observation Identifier Names and Codes (LOINC®)	Yes
Medications: Structured Product Labeling Sections	LOINC® Clinical Structured Product Labeling (SPL)	Yes
Messaging Standards: Includes retail pharmacy transactions	National Council for Prescription Drug Programs (NCPDP) SCRIPT	
Medications: Drug Classifications	National Drug File Reference Terminology (NDF-RT) (for Physiologic Effect & Mechanism of Action)	
Medications: Clinical Drug	RxNorm Semantic Clinical Drug (SCD)	Yes
Diagnosis and Problem Lists	Systematized Nomenclature Medicine-Clinical Terms® (SNOMED CT®)	Yes

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Nursing	Systematized Nomenclature Medicine-Clinical Terms® (SNOMED CT®)	Yes
Interventions and Procedures, non-Laboratory	Systematized Nomenclature Medicine-Clinical Terms® (SNOMED CT®), Procedures axis with exclusions	Yes
Anatomy	Systematized Nomenclature of Medicine Clinical Terms® (SNOMED CT®) National Cancer Institute’s (NCI) Thesaurus	
Billing / Financial	HIPAA approved transactions and codes set: <ul style="list-style-type: none"> • ICD-9-CM: Volumes 1 & 2 for diagnosis codes • ICD-9-CM: Volume 3 for inpatient hospital procedures • NDC: National Drug Codes for retail pharmacy claims • HCPCS and CPT-4® for physician services and other health services • HCPCS for all other substances, equipment, supplies, and other medical supplies • CDT® for dental services • NDC for retail pharmacy transactions • ABC Codes for registered users • Diagnostic Related Groups (DRGs) ASC X12N 837 ASC X12N 820 ASC X12N 834 ASC X12N 835 ASC X12N 270/271 ASC X12N 278 ASC X12N 276/277 NCPDP Telecommunication Standards	