HITSP Glossary

HITSP/Reference Document

Submitted to:
Healthcare Information Technology Standards Panel
## DOCUMENT CHANGE HISTORY

<table>
<thead>
<tr>
<th>Version Number</th>
<th>Description of Change</th>
<th>Name of Author</th>
<th>Date Published</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Reference</td>
<td>HITSP Project Team</td>
<td>December 5, 2007</td>
</tr>
<tr>
<td>1.1</td>
<td>Reference</td>
<td>HITSP Project Team</td>
<td>March 19, 2008</td>
</tr>
<tr>
<td>1.2</td>
<td>Reference</td>
<td>HITSP Project Team</td>
<td>September 26, 2008</td>
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<tr>
<td>2.0</td>
<td>Reference</td>
<td>HITSP Project Team</td>
<td>June 30, 2009</td>
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<tr>
<td>Term</td>
<td>Definition</td>
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<tr>
<td>Acceptable Risk</td>
<td>Level of risk that management finds acceptable to a particular information asset. It is based on empirical data, and supportive of technical opinion and understanding of the overall risk. The controls placed on the asset or environment will lower the potential for its loss. Any remaining risk is recognized and accepted as an accountability issue.</td>
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<tr>
<td>Acceptable Use Policy (AUP)</td>
<td>Set of rules and guidelines that specify the expectations for the appropriate use of systems or networks.</td>
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<tr>
<td>Access</td>
<td>Ability and the means necessary to read from, write to, modify, or communicate data/information, or to make use of any system resource.</td>
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<tr>
<td>Access Control</td>
<td>Prevention of unauthorized use of information assets (ISO 7498-2). It is the policy rules and deployment mechanisms, which control access to information systems, and physical access to premises (OASIS XACML).</td>
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<td>Access Control Decision Function (ADF)</td>
<td>Specialized function that makes access control decisions by applying access control policy rules to an access request. ADI (of initiators, targets, access requests, or that retained from prior decisions), and the context in which the access request is made (ISO 10181-3). See PDP</td>
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<td>Access Control Enforcement Function (AEF)</td>
<td>Specialized function that is part of the access path between an initiator and a target on each access control request, and enforces the decision made by the ADF (ISO 10181-3).</td>
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<tr>
<td>Access Control Information (ACI)</td>
<td>Information used for access control purposes, including contextual information (ISO 10181-3).</td>
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<tr>
<td>Access Control Service (ACS)</td>
<td>Access control service that includes embedded security management capabilities, and all other user-side access control and decision making capabilities (PEP, PDP, PIP, PAP, Obligation service, etc.) needed to enforce use-side, and system-object security and privacy policy. The ACS is responsible for creating trustworthy credentials forwarded in cross-domain assertions regarding security information and attributes. Access control services may be hierarchical and nested, distributed, or local.</td>
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<tr>
<td>Accounting of Disclosures</td>
<td>Refers to the right of individuals, with limitations, to a listing of the uses and disclosures of their individually identifiable health information for a period of time; not to exceed six years prior to the date of the request.</td>
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<td>Action</td>
<td>Any interaction by an actor with the public health system, including Electronic Health Record system</td>
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<td>Action Level</td>
<td>That level of worker exposure determined by workplace sampling, at or above which medical monitoring will be performed. The concentration designated in 29 CFR, Part 1910 for a specific substance, calculated as an 8-hour time-weighted average, which initiates certain activities, such as exposure monitoring and medical surveillance; usually one-half the Permissible Exposure Limit (PEL). For substances with an OSHA PEL, the action level is defined and may be one-half of the PEL. For exposures not regulated by OSHA, other consensus standards may be used for an action level. One such consensus standard is the use of one-half of the Threshold Limit Value (TLV) as an action level.</td>
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<tr>
<td>Actor</td>
<td>Entities that interact with the system, e.g., users (provider, public health officer, patient, etc.)</td>
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<td>Administrative Safeguards</td>
<td>Actions, including policies and procedures, that manage the selection, development, implementation, and maintenance of security and privacy measures to protect individually identifiable health information, and to manage the conduct of the workforce in relation to the protection of that information.</td>
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<td>American Health Information Community (AHIC)</td>
<td>The United States Department of Health and Human Services (HHS) Secretary, Mike Leavitt, announced the membership for the American Health Information Community (the Community) on September 13, 2005. The Community is a federally-chartered commission, and will provide input and recommendations to HHS on how to make health records digital and interoperable, and assure that the privacy and security of those records are protected, in a smooth, market-led way.</td>
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<td>American Recovery and Reinvestment Act (ARRA)</td>
<td>The American Recovery and Reinvestment Act of 2009 includes provisions to promote the adoption of interchangeable health information technology to promote meaningful use of health information technology to improve the quality and value of American health care. These provisions are set forth in Title XIII of Division A and Title IV of Division B, which may together be cited as the “Health Information Technology for Economic and Clinical Health Act” or the “HITECH Act.”</td>
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<tr>
<td>Anonymized</td>
<td>Personal data which has been processed to make it impossible to know whose data it is. Used particularly for secondary use of health data. In some cases, it may be possible for authorized individuals to restore the identity of the individual, e.g., for public health case management.</td>
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<td>Association</td>
<td>In data modeling, an association is a structural relationship that specifies that instance of one thing connected to another instance.</td>
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<td>Atomic Service</td>
<td>A service that does not use or interact with other services.</td>
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<td>Attribute</td>
<td>In data modeling, an attribute refers to specific items of data that can be collected for a class.</td>
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<td>Audit</td>
<td>Review and examination of records (including logs), and/or activities to ensure compliance with established policies and operational procedures. This review can be manual or automated.</td>
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<td>Audit Record</td>
<td>Generates alerts for action, as evidence of output of an audit</td>
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<td>Auditing</td>
<td>Specific activities that make up an audit (see Audit). This can be manual, automated, or a combination</td>
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<tr>
<td>Authentication</td>
<td>Act of verifying the identity of an individual, originator, terminal, or workstation, to determine that entity's right to access specific categories of information, and a measure designed to protect against fraudulent transmission by verifying the validity of a transmission, message, station, or originator</td>
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<tr>
<td>Authenticity</td>
<td>Ability to verify the confidence in the validity of a transmission, a message, or message originator</td>
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<td>Authorization</td>
<td>Method and form to secure permission from an individual for the use, or disclosure of individually identifiable health information, for any activity not specifically allowed without one. Uses and disclosures related to treatment, payment, and healthcare operations generally do not require a HIPAA authorization; but some non-healthcare related activities such as marketing do. Authorization is a new term used in the HIPAA Privacy Rule to denote an activity that has often been called a consent or a release</td>
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<td>Authorization Decision</td>
<td>Function that is returned by the PDP to the PEP. The function evaluates to “Permit”, “Deny”, “Indeterminate” or “Not Applicable”, and optionally also returns a set of obligations (OASIS XACML)</td>
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<td>Authorized Access</td>
<td>Mechanism by which access to data is granted by challenges to the requesting entity. It assures proper authority based on the identity of the individual, level of access to the data, and rights to manipulation of that data</td>
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<td>Availability</td>
<td>Systems responsible for delivering, storing and processing information are accessible when needed, and that the information provided will be of acceptable integrity</td>
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<td>Base Standard</td>
<td>A standard capable of fulfilling a discrete function within a single category produced and maintained by a single standards organization. Examples include HL7 v2.x, SNOMED-CT</td>
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<td>BioSense</td>
<td>National program designed to improve the nation's capabilities for conducting near real-time biosurveillance, enabling health situational awareness through access to existing data from healthcare organizations across the country. <a href="http://www.cdc.gov/biosense">http://www.cdc.gov/biosense</a></td>
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<td>Biosurveillance</td>
<td>Surveillance programs in areas such as human health, hospital preparedness, state and local preparedness, vaccine research and procurement, animal health, food and agriculture safety and environmental monitoring that integrate those efforts into one comprehensive system. See also Surveillance</td>
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<td>Biosurveillance System</td>
<td>Biosurveillance systems must leverage two major surveillance methods: 1) Well established public health surveillance methods and sources used for the tracking, monitoring, and reporting of health-related information, such as epidemiologic investigations of infectious disease outbreaks or environmental conditions, are needed to ensure a broad coverage of data sources, to use as baselines comparisons, and to support the accuracy and reliability of the biosurveillance findings. 2) Early event detection and situational awareness, through the use of an automated system to evaluate case and suspet case reporting, along with statistical surveillance and data visualization of pre-diagnostic and diagnostic data, to support the earliest possible detection of events that may signal a public health emergency. It is an essential component for near real-time detection of natural or man-made health events</td>
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<td>Business Actor</td>
<td>An IT system application that plays a role in one or more information exchanges. (HITSP specifications have replaced this term with System)</td>
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<td>Business Associate</td>
<td>A person who, on behalf of a covered entity, or an organized healthcare arrangement in which the covered entity participates, performs, or assists in the performance of a function or activity involving the use or disclosure of individually identifiable health information. Functions and activities include claims processing or administration, data analysis, processing and administration, utilization review, quality assurance, billing, benefit management, practice management, and reprising. Provides legal, actuarial, accounting, consulting, data aggregation, management, administrative, accreditation, or financial services to or for a covered entity, where the provision of the service involves the disclosure of individually identifiable health information</td>
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<td>Business Associate Agreement</td>
<td>Agreement between a covered entity and its business associate in which the business associate agrees to restrict its use and disclosure of the covered entities protected health information</td>
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<td>Capability (CAP)</td>
<td>An implementable business service that specifies interoperable Information Exchanges using HITSP constructs. A Capability supports stakeholder requirements and business processes and includes workflow, information content, infrastructure, Security and Privacy</td>
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<td>Care setting</td>
<td>The physical location or entity providing healthcare</td>
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<td>Certification</td>
<td>The process used to establish whether systems can meet the high-level functionalities and detailed messages/metrics required to support public health activities</td>
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<td>CHI Standards</td>
<td>CHI (Consolidated Health Informatics) standards were selected for use in U.S. federal government systems for the electronic exchange of clinical health information. The initiative was absorbed into Federal Data Architecture initiative, but the list of selected standards remains a benchmark</td>
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<tr>
<td>Class</td>
<td>In data modeling, a class is a description of a set of objects that share the same attributes, relationships and semantics.</td>
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<td>Classifications and Terminologies</td>
<td>Classifications and terminologies are used with code sets to define and classify individual health terms. They serve as a way to relate terms to one another so that they are easily and consistently understood by users. Classifications arrange related terms for easy retrieval, while vocabularies are sets of specialized terms that facilitate precise communication by eliminating ambiguity. Important classifications include ICD-9-CM, ICD-10, ICD-10-CM/PCS, and ICF. Important terminologies include LOINC and SNOMED. There are subtle differences between vocabularies, nomenclatures, terminologies and classifications. These have been addressed by the American Health Information Management Association (AHIMA).</td>
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<td>Clinical Encounter</td>
<td>An encounter between a patient and a healthcare practitioner or healthcare provider (e.g., hospital or clinic) for clinical care. May also be used to refer to an encounter between a patient and a physician or other practitioner, as distinguished from ancillary services, such as lab tests or vaccinations.</td>
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<td>Clinical Episode</td>
<td>A clinical episode is an extended period of care, often involving one or more encounters with a practitioner, and one or more ancillary tests or treatments. Sometimes, but not always, clinical episodes are defined as a period of care for a specific disease. Clinical episodes may include outpatient encounters as well as inpatient hospitalizations.</td>
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<td>Code</td>
<td>[Adapted from HL7 Version 3 Core Principals] A code is a Concept representation published by the author of a Code System as part of a code system, and it is an entity of that code system. It is the preferred unique identifier for that concept in that code system and used in the code property of a coded data type. The meaning of a code within a particular code system entity is valid only within that code system.</td>
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<td>Code System</td>
<td>[Adapted from HL7 Version 3 Core Principals] A code system is a managed collection of Concept identifiers, usually Codes, but sometimes more complex sets of rules and references. They are often described as collections of uniquely identifiable concepts with associated representations, designations, associations, and meanings. Examples of code systems include ICD-9 CM, SNOMED CT, LOINC, CPT and UCUM. To meet the requirements of a code system, a given concept representation must resolve to one and only one meaning within the code system. Code systems are often referred to as terminologies, vocabularies, or coding schemes.</td>
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<tr>
<td>Collect /Collection</td>
<td>Assembly of personal information through interviews, forms, reports, or other information sources.</td>
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<td>Compliance</td>
<td>Adherence to those policies, procedures, guidelines, laws, regulations and contractual arrangements, to which the business process is subject.</td>
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<td>Component</td>
<td>A construct that defines the set of data elements, structures, relationships, constraints and terminology needed to support specific reusable information content. A Component may also express constraints on base or composite standards, examples include the Lab Result Message and Lab Result Context.</td>
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<td>Composite Service</td>
<td>A service that is the aggregation of or composition of one ore more other services. These other services can be atomic services, other composite services, or a combination of both.</td>
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<tr>
<td>Composite Standard</td>
<td>A grouping of coordinated base standards, often from multiple standards organizations, maintained by a single organization. Examples include IHE Information Technology Infrastructure XDS Integration Profile.</td>
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<tr>
<td>Concept</td>
<td>A concept is an atomic unit of a vocabulary. Each concept within a vocabulary has at least one unique identifier (known as the concept code, or simply code) that identifies the concept within the context of a specific vocabulary.</td>
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<tr>
<td>Concept</td>
<td>[Adapted from HL7 Version 3 Core Principals] A concept is a unitary mental representation of a real or abstract thing; anatomic unit of thought. It should be unique in a given Code System. A concept may have synonyms in terms of representation and it may be a primitive term or composed of other terms in the code system.</td>
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<tr>
<td>Confidentiality</td>
<td>Obligation of an entity that receives identifiable information about an individual as part of providing a service to that individual, to protect that data or information, including not disclosing the identifiable information to unauthorized persons or through unauthorized processes; including an obligation of those who receive information to respect the privacy interests of those to whom the data relate.</td>
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<td>Connecting Laboratory Systems</td>
<td>Have the following three main definitions:</td>
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<td></td>
<td>• Standard HL7 message formats and terminology standards for specimen receipt and laboratory result reporting</td>
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<td></td>
<td>• Receipt and management of specimen and sample data</td>
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<td>• Monitoring of testing activity to project load distribution during a large-scale event</td>
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<td>Consent</td>
<td>Under the HIPAA Privacy Rule, consent is made by an individual for the covered entity to use or disclose individually identifiable health information for treatment, payment, and healthcare operations purposes only. This is different from consent for treatment, which many providers use, and which should not be confused with the consent for use or disclosure of individually identifiable health information. Consent for use and/or disclosure of individually identifiable health information is optional under the Privacy Rule, although it may be required by state law, and may be combined with consent for treatment, unless prohibited by other law</td>
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<td>Consent Directive</td>
<td>The record of a healthcare consumer’s privacy policy that grants or withholds consent for: one or more principals (identified entity or role) performing one or more operations (e.g., collect, access, use, disclose, amend, or delete) purposes such as Treatment, Payment, Operations, Research, Public Health, Quality Measures, Health Status Evaluation by third parties, or Marketing certain conditions, e.g., when unconscious a specified time period, e.g., effective and expiry dates a certain context, e.g., in an emergency</td>
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<td>Consent, Informed</td>
<td>Requirement that all researchers explain the purposes, risks, benefits, confidentiality protections, and other relevant aspects of a research study, to potential human subjects so that they may make an informed decision regarding their participation in the research. Institutional Review Boards (IRB) review informed consent processes and forms documenting the consent to ensure compliance with research regulations and policies</td>
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<td>Consenter</td>
<td>An author of a Consent Directive who may be the healthcare consumer or patient, a delegate of the healthcare consumer, e.g., a representative with healthcare power of attorney, or a provider with legal authority to either override a healthcare consumer’s Consent Directive or create a Directive that prevents a patient’s access to individually identifiable health information (IIHI) until the provider has had an opportunity to review the IIHI with the patient</td>
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<td>Consistent Time</td>
<td>Ensures that all the entity systems that are communicating within the network have synchronized system clocks</td>
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<td>Constraint</td>
<td>A constraint is an expression of a business rule applied to an Information Exchange. It can restrict the values that appear within the exchange in a variety of different ways, and appear in both HITSP Specifications and in the standards those specifications select</td>
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<td>Construct</td>
<td>A specification based on harmonized interoperability standards. HITSP defines Transaction, Transaction Package, Service Collaboration and Component constructs</td>
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<td>Covered Entity</td>
<td>A health plan, a healthcare clearinghouse, or a healthcare provider that transmits electronic transactions</td>
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<td>Data Aggregation</td>
<td>Combining individually identifiable health information (IIHI) by a business associate, on behalf of more than one covered entity, to permit data analysis related to the healthcare operations of the participating covered entities</td>
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<td>Data Classification</td>
<td>Conscious decision to assign a level of sensitivity to data as they are being created, amended, enhanced, stored, or transmitted. The classification of the data, whether established by federal or state law or by the entity holding the data, will determine the extent the data needs to be protected, controlled and/or secured, and is indicative of its value in terms of information assets</td>
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<td>Data Element</td>
<td>A data element is the smallest unit of data pertinent to an Information Exchange. A data element may contain several discrete values (e.g., month, day and year to convey a date, or code and code system to convey a concept, or number and unit to convey a measure of a physical quantity). The selected standards use the terms attribute, component, data element or field to describe what HITSP calls a Data Element</td>
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<tr>
<td>Data Flow</td>
<td>The sequence in which data is collected, transferred, managed, stored and used by actors</td>
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<td>Data Model</td>
<td>A framework for the development of a new or enhanced application. The purpose of data modeling is to develop an accurate model or graphical representation, of the client’s information needs and business process</td>
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<td>Data Requirement (DR)</td>
<td>Defines requirements for all or part of the IER exchange content as a set of data elements with specific semantic details</td>
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<tr>
<td>Data Use Agreement</td>
<td>Confidentiality agreement between a covered entity and the recipient of health information in a limited data set</td>
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<td>Datatype</td>
<td>A specification of the allowed format for the values of an attribute. Examples include string, number, code, and text</td>
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<td>Decrypting</td>
<td>Process of reversing the encryption of a file or message to recover the original data in order to use or read it</td>
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<tr>
<td>De-identified Health Information</td>
<td>Removal of individual identifiers, so that it cannot be used to identify an individual. De-identified health information is not protected by HIPAA</td>
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<td><strong>Term</strong></td>
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<tr>
<td>Designated Record Set</td>
<td>Healthcare provider’s medical records and billing records about individuals, a health plan’s enrollment, payment, claims adjudication, case or medical management records, and any other records used by a covered entity to make decisions about individuals</td>
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<td>Diagnosis</td>
<td>The condition for which the patient is seeking care. Types of diagnoses range from early and indefinite to final and definitive. Some examples (in general order of definitiveness) include presenting (or chief complaint), presumptive, working, admitting, discharge, dismissal, or final. Applying classification codes to the diagnosis becomes more straightforward as the diagnosis is more established. Early diagnoses may be vague or even expressed in natural language rather than coded</td>
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<tr>
<td>Digital Signature</td>
<td>Mathematical computer program creates a digital signature. It is neither a hand-written signature nor a computer-produced picture of one. The signature is like a wax seal that requires a special stamp to produce it, and is attached to an email message or file. The digital signature may then verify the origin of the message or file</td>
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<tr>
<td>Disaster</td>
<td>A large emergency event that is beyond the community’s ability to address within its own and mutual aid resources</td>
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<td>Disclosure</td>
<td>Release, transfer, provision of access to, or divulging in any other manner of information outside the covered entity holding the information</td>
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<tr>
<td>Document Integrity</td>
<td>To ensure the integrity of a document that is exchanged or shared</td>
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<tr>
<td>Early event detection</td>
<td>Defined as: Secondary use of clinical care and other health-related data for early identification of public health events Reportable disease case reporting from clinical care via the Web and 24/7 call reporting systems with triage of disease urgency Situational awareness of the size, location, and spread of a health event using secondary use data and case reporting Disease data exchange using HL7-specific implementation guides Detection algorithms to determine and visualize deviation from normal disease patterns</td>
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<tr>
<td>Electronic Data Interchange (EDI)</td>
<td>A standard format for exchanging business data. An EDI message contains a string of data elements, each of which represents a singular fact, such as a price, product model number, and so forth, separated by delimiters (a character that identifies the beginning and end of a character string). The entire string is called a data segment. EDI is one form of e-commerce, which also includes e-mail and fax</td>
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<td>Electronic Health Record (EHR)</td>
<td>The EHR is information, assembled and maintained in an electronic format, which pertains to the health status of an individual, and the health services delivered to an individual</td>
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<tr>
<td>Electronic Health Record Infrastructure</td>
<td>Databases, programs, software, hardware, servers, firewalls, access rules, Virtual Private Network (VPN) linkages, and web browser capabilities of the Electronic Health Record system</td>
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<tr>
<td>Electronic Health Record Standards</td>
<td>Standardization in the field of information for health, and Health Information and Communications Technology, to achieve compatibility and interoperability between independent systems. Also, to ensure compatibility of data for comparative statistical purposes (e.g., classifications), and to reduce duplication of effort and redundancies</td>
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<td>Electronic Health Record System (EHRS)</td>
<td>System that includes: Longitudinal collection of electronic health information for and about persons, where health information is defined as information pertaining to the health of an individual, or health care provided to an individual Authorized users Provision of knowledge and decision-support that enhance the quality, safety, and efficiency of patient care Support of efficient processes for health care delivery Critical building blocks of an EHR system are the Electronic Health Records (EHR) maintained by providers (e.g., hospitals, nursing homes, ambulatory settings), and by individuals (also called Personal Health Records)</td>
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<td>Electronic Protected Health Information (E PHI)</td>
<td>Within the context of HIPAA, any protected health information (PHI) which is created, stored, transmitted, or received electronically</td>
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<td>Emergency</td>
<td>Sudden demand for action; a condition that poses an immediate threat to the health of the patient. This definition is further clarified to mean any potential denial of critical health services or information that could reasonably result in personal injury or death to an individual or the public. <a href="http://www.astm.org">http://www.astm.org</a></td>
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<tr>
<td>Emergency Access</td>
<td>Granting of user rights and authorizations to permit access to individually identifiable health information (IIHI) and applications in emergency conditions outside of normal workflows (Emergency Room access is considered to be a normal workflow)</td>
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<td>Emergency Permission</td>
<td>Permission granted to certain caregivers in advance that allows self-declaration of an emergency and assumption of an emergency role. Emergency permissions defined in standard ways compliant with ANSI INCITS RBAC standards and HL7 Healthcare Permission definitions are suitable for Federated circumstances, where the person declaring the emergency is not a member of the organization possessing the requested information.</td>
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<td>Employee Retirement Income and Security Act (ERISA) of 1975</td>
<td>Most group health plans covered by ERISA are also health plans under HIPAA.</td>
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<td>Employee Welfare Benefit Plan</td>
<td>A plan, fund or a program maintained by an employer or an employee organization that provides medical, surgical or hospital care.</td>
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<td>Encoded</td>
<td>Information, such as diseases, procedures, and/or demographic data may be coded into discrete categories, identified by codes which may be numeric, alphabetic or a combination of these. In computer-based systems, this eases retrieval and simplifies analysis. In healthcare, 'encoded' may refer to clinical conditions or interventions coded into specific coding systems for administrative, financial, and other analyses. Among the most common coding systems are the International Classifications of Diseases (see ICD) and Current Procedural Terminology (see CPT). Another approach to coding is atomic coding, which involves assigning a value to each position in the code. (A simple example would be &quot;35yoF &quot; meaning &quot;35 year old female.&quot;) Such coding systems, of which SNOMED is the most well known, are more flexible than hierarchical classifications, but may be more difficult to use.</td>
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<td>Encryption</td>
<td>Process by which data are temporarily re-arranged into an unreadable or unintelligible form for confidentiality, transmission, or other security purposes.</td>
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<td>Entity</td>
<td>A person or computer-based equivalent.</td>
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<td>Entity Identity Assertion</td>
<td>Ensure that an entity is the person or application that claims the identity provided.</td>
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<td>Enzyme</td>
<td>A substance that speeds up a chemical reaction. Every chemical reaction in living organisms is facilitated by an enzyme.</td>
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<td>Event</td>
<td>Action or activity that occurs within a system and/or network scope, inclusive of its boundaries.</td>
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<td>Event Aggregation</td>
<td>Consolidation of similar log entries into a single entry containing a count of the number of occurrences of the event.</td>
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<tr>
<td>Event Correlation</td>
<td>Relationships between two or more log entries.</td>
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<tr>
<td>Event Filtering</td>
<td>Suppression of log entries from analysis, reporting, or long-term storage, because their characteristics indicate that they are unlikely to contain information of interest.</td>
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<tr>
<td>Event Reduction</td>
<td>Removal of unneeded data fields from all log entries to create a new log that is smaller.</td>
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<td>Exchange Action</td>
<td>Defines the fundamental topologies that can be used in implementing the HITSP Interoperability Specifications in systems (e.g., EHR systems directly connected or connected to Health Information Exchanges (HIEs) and HIEs connected to the NHIN).</td>
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<tr>
<td>Exchange Architecture</td>
<td>Defines the fundamental topologies that can be used in implementing the HITSP Interoperability Specifications in systems (e.g., EHR systems directly connected or connected to Health Information Exchanges (HIEs) and HIEs connected to the NHIN).</td>
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<td>Exchange Attributes</td>
<td>Parameters about an Information Exchange. Examples are constraints, conditions and triggers.</td>
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<td>Exchange Content</td>
<td>Describes the interaction that communicates the Exchange Content between the Systems.</td>
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<td>eXtensible Markup Language (XML)</td>
<td>A specification developed by the World Wide Web Consortium. XML is designed especially for Web documents. It allows designers to create their own customized tags, enabling the definition, transmission, validation, and interpretation of data between applications and between organizations. XML provides a file format for representing data, a schema for describing data structure, and a mechanism for extending and annotating HTML with semantic information.</td>
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<td>Extensional Value Set</td>
<td>An extensional value set definition is an enumeration of all of the concepts within the value set. Value sets defined by extension are composed of explicitly enumerated sets of concept representations (with the code system in which they are valid). The simplest case is when the value set consists of only one code.</td>
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<td>Facility Directory</td>
<td>Listing or reference document containing information about each individual patient or resident receiving care or treatment. It is maintained by a healthcare provider, such as (but not limited to) a hospital, nursing home, or treatment center, of persons receiving care or treatment from that provider.</td>
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<td>Filtering</td>
<td>In data processing, it is the selection of a subset of records based on specified criteria present in the data.</td>
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<td>Gap Analysis</td>
<td>Evaluation of results of a security inventory against requirements.</td>
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<td>Harmonization</td>
<td>Harmonization is the name given to the effort by industry to replace the variety of product standards and other regulatory policies adopted by nations, in favor of uniform global standards. Usually used to in the context of trade agreements, harmonization has recently been adopted by the United States government to refer to information technology standards.</td>
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<td>Harmonization Framework</td>
<td>Defines the terms, concepts and their relationships within a HITSP Interoperability Specification (IS), Capability (CAP), Component (C), Transaction (T), Transaction Package (TP) and Service Collaboration (SC)</td>
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<td>Harmonization Request</td>
<td>Defines business or functional needs, within a workflow, and sets context and conditions for the Interoperability Specification. Behavioral specifications of functional needs or capabilities may be structured as Use Cases, Scenarios, Business Process Models or other forms</td>
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<td>Health alerts</td>
<td>Urgent messages from the Centers of Disease Control (CDC) to health officials requiring immediate action or attention</td>
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<td>Health Information</td>
<td>Information, whether oral or recorded in any form or medium, that: is created or received by a healthcare provider, health plan, public health authority, employer, life insurer, school or university, or healthcare clearinghouse relates to the past, present, or future physical or mental health, or condition of an individual; the provision of healthcare to an individual; or the past, present, or future payment for the provision of healthcare to an individual</td>
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<tr>
<td>Health Information Exchange (HIE)</td>
<td>The mobilization of healthcare information electronically across organizations within a region or community. HIE provides the capability to electronically move clinical information between disparate healthcare information systems, while maintaining the meaning of the information being exchanged. The goal of HIE is to facilitate access to, and retrieval of, clinical data to provide safer, more timely, efficient, effective, equitable, and patient-centered care</td>
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<td>Health Information Exchange Architecture</td>
<td>Overall structural approach, from an information technology perspective, utilized in the establishment and deployment of HIEs</td>
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<td>Health Information Privacy</td>
<td>An individual's right to control the acquisition, uses, or disclosures of his or her identifiable health information</td>
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<tr>
<td>Health Information Security</td>
<td>Physical, technological, or administrative safeguards or tools used to protect identifiable health information from unwarranted access or disclosure</td>
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<td>Health Insurance Portability and Accountability Act (HIPAA)</td>
<td>Seeks to establish standardized mechanisms for electronic data interchange, security, and confidentiality of all healthcare-related data. The Act mandates standardized formats for all patient health, administrative, and financial data; unique identifiers (ID numbers) for each healthcare entity, including individuals, employers, health plans and healthcare providers; and security mechanisms to ensure confidentiality and data integrity for any information that identifies an individual</td>
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<td>Health Plan</td>
<td>This term encompasses a review entity, utilization management organization, payer, third party administrator, processor, health plan, or any entity the authorization approval process on behalf of the health plan. While each of these entities may perform other functions in the healthcare arena, the function is grouped together in this guide, under one term “Health Plan”</td>
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<td>Health updates</td>
<td>CDC health updates; these do not require immediate action</td>
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<td>Healthcare</td>
<td>Broad term that directly refers to different activities and means used to prevent or cure different processes of morbidity</td>
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<td>Healthcare Services or supplies related to the health of an individual</td>
<td>Services or supplies related to the health of an individual</td>
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<tr>
<td>Healthcare Clearinghouse</td>
<td>Organization that processes health information received from another entity in a nonstandard format, or containing nonstandard data content into standard data elements, or a standard transaction, or vice versa</td>
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<tr>
<td>Healthcare Operations</td>
<td>Operations, including quality assessment and improvement, peer review, underwriting, medical review audits, and business planning and management development</td>
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<td>Healthcare Provider</td>
<td>Refers to a person licensed, certified, or otherwise authorized or permitted by law to administer healthcare in the ordinary course of business or practice of a profession, including a healthcare facility. This includes primary care providers, other physicians, nurse-practitioners, physician assistants, etc. Note: HL7 uses “practitioner”. The term “provider” may also refer to healthcare facilities, clinics, hospitals, etc.</td>
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<td>Identity Access Management (IAM)</td>
<td>Set of services to include authentication, user provisioning (UP), password management, role matrix management, enterprise single sign-on, enterprise access management, federation, virtual and metadata services, and auditing (Gartner 2006)</td>
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<tr>
<td>Identity Digital Management (IdM)</td>
<td>Comprised of the set of business processes, and a supporting infrastructure, for the creation, maintenance, and use of digital identities, within a legal and policy context (BurtonGroup™ 2003)</td>
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<td>IER Identifier</td>
<td>IER Identifier is an optional IER name and number, which is local to an IS and valid within the scope of an IS</td>
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<td>In-band</td>
<td>Communications which occur together in a common communications method or channel. For example, a privacy label that applies to a clinical document will be sent in-band with the document</td>
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<tr>
<td>Individual</td>
<td>Person who is the subject of information collected, used, or disclosed by the entity holding the information</td>
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<tr>
<td>Individually Identifiable Health Information (IIHI)</td>
<td>Information that relates to an individual’s physical or mental health; the provision of healthcare to an individual; or the payment for healthcare provided to an individual, in which the information identifies the individual or could be used to identify the individual. This is a more encompassing term that includes Protected Health Information and Personal Health Information</td>
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<tr>
<td>Individually Identifying Information</td>
<td>Single item or compilation of information or data that indicates or reveals the identity of an individual, either specifically (such as the individual’s name or social security number), or that does not specifically identify the individual but from which the individual’s identity can reasonably be ascertained</td>
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<tr>
<td>Influenza</td>
<td>A serious disease caused by viruses that infect the respiratory tract</td>
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<td>Information Asset</td>
<td>Refers to any information in any form (e.g. written, verbal, oral or electronic) upon which the organization places a measurable value. This includes information created by the entity holding the information, gathered for the entity, or stored by the entity for external parties</td>
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<tr>
<td>Information Exchange Requirement (IER)</td>
<td>Business requirement described in terms of exchange content, exchange action, systems involved in the exchange and exchange attributes</td>
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<tr>
<td>Information Owner/User</td>
<td>Individual or individuals that make use of computer systems and networks</td>
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<tr>
<td>Information Security</td>
<td>Programs that technically manage and protect the organization from unacceptable risks of an organization’s information assets. Also, a mechanism and practice to protect confidential and sensitive information</td>
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<tr>
<td>Information System</td>
<td>Interconnected set of electronic information resources and/or applications under the same direct management control. A system normally includes hardware, software, information, data, applications, communications, and people. It is made up of databases, application programs, and manual and machine procedures. It also encompasses the computer systems that do the processing, as well as intermediary systems that route or perform some action as part of the processing</td>
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<td>Initiator</td>
<td>An (authenticated) entity (e.g. human user or computer-based entity) that attempts to access other entities (ISO 10181-3). Also known as Claimant or Principal</td>
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<tr>
<td>Institutional Review Board (IRB)</td>
<td>Specially constituted review body established or designated by an entity, in accordance with 45 CFR Part 46, to protect the welfare of human subjects recruited to participate in biomedical or behavioral research</td>
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<td>Integrity</td>
<td>Data or information that has not been altered or destroyed in an unauthorized manner or data that has not been modified or deleted in an unauthorized and undetected manner</td>
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<tr>
<td>Intensional Value Set</td>
<td>[Adopted from HL7 Version 3 Core Principals] An intensional value set definition is a set of rules that can be resolved (ideally computationally) to an exact list of concept representations at a particular point in time</td>
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<td>Interface</td>
<td>The set of features and obligations that support Information Exchanges for a HITSP system. Interfaces and Information Exchanges between interfaces are specified by HITSP Constructs, including Service Collaborations for example, Content Creator, Document Consumer, Eligibility Information Receiver and Audit Record Repository</td>
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<td>International Standards Organization (ISO)</td>
<td>A worldwide federation of national standards bodies from some 100 countries; one from each country. Among the standards it fosters is Open Systems Interconnections (OSI), a universal reference model for communication protocols. Many countries have national standards organizations, such as the U.S. American National Standards Institute (ANSI), that participate in and contribute to ISO standards development</td>
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<td>Interoperability</td>
<td>Interoperability is the ability of health information systems to work together within and across organizational boundaries, in order to advance the effective delivery of health care for individuals and communities</td>
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<td>Interoperability Specification (IS)</td>
<td>Interoperability Specifications are organized by scenarios, Capabilities and integrates and constrains HITSP Constructs to specify the interoperability needs of one or more business processes</td>
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<td>Law Enforcement Official</td>
<td>Officer or employee of any agency or authority of the United States, a state, a territory, a political subdivision of a state or territory, or an Indian tribe, who is empowered by law to: Investigate or conduct an official inquiry into a potential violation of law; or Prosecute or otherwise conduct a criminal, civil, or administrative proceeding arising from an alleged violation of law</td>
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<td>Limited Data Set</td>
<td>Specifies health information from which identifiers have been removed. Information in a limited data set is protected, but may be used for research, healthcare operations, and public health activities, without the individual’s authorization</td>
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<td>Log</td>
<td>Record that is created by an event(s)</td>
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<td>Log Analysis</td>
<td>Studying log entries to identify events of interest or suppress log entries for insignificant events</td>
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<td>Log Archival</td>
<td>Retaining logs for an extended period of time, typically on removable media, a storage area network (SAN), or a specialized log archival appliance or server</td>
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<td>Log Clearing</td>
<td>Removal of all entries from a log that precedes a certain date and time</td>
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<td>Log Compression</td>
<td>Storing a log file in a way that reduces the amount of storage space needed for the file without altering the meaning of its contents</td>
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<tr>
<td>Log Conversion</td>
<td>Parsing a log in one format and storing its entries in a second format</td>
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<td>Log Entry</td>
<td>Individual record within a log</td>
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<td>Log In, Logging Into</td>
<td>Action performed by an end-user, when authenticating into a computer system</td>
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<td>Log Management</td>
<td>Process for generating, transmitting, storing, analyzing, and disposing of log data</td>
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<td>Logging</td>
<td>Activities involved in creating logs</td>
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<td>Logical Observations, Identifiers, Names</td>
<td>LOINC laboratory terms set provides a standard set of universal names and codes for identifying individual laboratory and clinical results, and allows users to merge clinical results from many sources into one database for patient care, clinical research, or management</td>
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<td>Names and Codes (LOINC)</td>
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<td>Malicious Software</td>
<td>Viruses designed to damage or disrupt a system’s software</td>
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<tr>
<td>Manage Consent Directives</td>
<td>Ensure that individually identifiable health information (IIHI) is only accessed with a consumer’s consent</td>
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<td>Marketing</td>
<td>Communications that encourage the purchase or use of a product or service. This does not include a covered entity's communications about its own products, services or benefits, communications for treatment, case management, care coordination or referral for care</td>
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<td>Metadata</td>
<td>Metadata is data about data. HITSP specifies certain metadata used to express information about the Data Elements, Value Sets and Templates used within its specifications</td>
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<tr>
<td>Metadata Registry</td>
<td>A Metadata Registry is an information system that stores metadata about an entity to enable the retrieval of it by humans and software applications. HITSP uses metadata registries for testing and implementation of conforming systems. Metadata registries can store metadata about Data Elements and Templates. See also Metadata and (Metadata) Registry</td>
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<td>Minimum Data Set (MDS)</td>
<td>Part of the U.S. federally mandated process for clinical assessment of all residents in Medicare or Medicaid certified nursing homes</td>
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<td>Minimum dataset (AHIC)</td>
<td>A subset of data elements (derived from a larger planned set) that may be used to simplify the design and implementation of an early version of a breakthrough project</td>
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<tr>
<td>Minimum Necessary</td>
<td>Minimum amount of individually identifiable health information (IIHI) necessary to accomplish permitted use or disclosure for payment or healthcare operations</td>
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<td>Mission Critical</td>
<td>Activities, processing, etc., which are deemed vital to the organization's business success and possibly its very existence</td>
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<td>Module</td>
<td>A module is a group of related Data Elements</td>
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<tr>
<td>Mutual Authentication</td>
<td>Occurs when parties at both ends of a communication activity authenticate each other</td>
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<td>National Health Information Network</td>
<td>As described by Secretary Mike Leavitt, November 10, 2005, the Nationwide Health Information Network (NHIN) contracts will bring together technology developers with doctors and hospitals to create innovative state-of-the-art ideas for how health information can be securely shared. “This effort will help design an information network that will transform our health care system resulting in higher quality, lower costs, less hassle and better care for American consumers”</td>
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<td>Network Consortium (NHIN)</td>
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<tr>
<td>Node</td>
<td>Originating or terminating point of information or signal flow in a telecommunications network</td>
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<tr>
<td>Nonrepudiation</td>
<td>Verification that the sender and the recipient were, in fact, the parties who claimed to send or receive the message, respectively. In other words, nonrepudiation of origin proves that data has been sent, and nonrepudiation of receipt proves it has been received</td>
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<tr>
<td>Notifiable condition</td>
<td>Any disease or condition determined by law to be notifiable in the United States. Conditions may be notifiable at various levels of jurisdiction, including nationally, at the state level, in sub-state jurisdictions, in US territories, or in a combination of jurisdictions. Variation in reporting requirements exists within the various jurisdictions. Incidences of communicable disease, traumatic injury, cancer, or other health condition</td>
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</tr>
<tr>
<td>Notification, public health</td>
<td>Interaction with a caseworker, person, or party, to report or document a disease or situation related to the health of the public</td>
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</tr>
<tr>
<td>Obligation</td>
<td>Operations specified in a policy or policy set that should be performed by the PEP in conjunction with the enforcement of an authorization decision (OASIS XACML)</td>
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<tr>
<td>Obligation Handler</td>
<td>An obligation handler evaluates obligation attributes in the Obligation section of a XACML</td>
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<tr>
<td>Ontology</td>
<td>Data model that represents a set of concepts within a domain and the relationships between those concepts</td>
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<tr>
<td>Opt-in</td>
<td>Mechanism that states data collection and/or use methods, and provides user choice to accept such collection and/or use</td>
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<tr>
<td>Opt-out</td>
<td>Mechanism that states data collection and/or use methods and provides user choice to decline such collection and/or use</td>
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<tr>
<td>Term</td>
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<tr>
<td>Organized Healthcare Arrangement</td>
<td>Organized system of healthcare in which more than one covered entity participates, and in which the participating covered entities hold themselves out to the public as participating in a joint arrangement; and participate in joint utilization review, quality assurance or financial risk for healthcare services</td>
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<tr>
<td>Out-of-band</td>
<td>Communications which occur outside of a communications method or channel. For example, the communication of security policies that will be applied to data in the future are communicated out-of-band; they are communicated prior to, not at the same time as, the data.</td>
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<tr>
<td>Pandemic</td>
<td>The worldwide outbreak of a disease in numbers clearly in excess of normal</td>
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<tr>
<td>Pandemic influenza or &quot;flu&quot;</td>
<td>The worldwide outbreak of a particular strain of influenza</td>
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<tr>
<td>Payment</td>
<td>Activities of a healthcare provider to obtain payment for healthcare services; or activities of a health plan to obtain premiums or to adjudicate and pay claims</td>
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</tr>
<tr>
<td>Personal Health Information</td>
<td>Individually identifiable health information (IIHI) that is transmitted or maintained by electronic media, or is transmitted or maintained in any other form or medium.  See IIHI</td>
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</tr>
<tr>
<td>Personal Representative</td>
<td>Person who has the authority, under applicable state law, to act on behalf of an individual who is an adult or an emancipated minor, in making decisions related to the program, service, or activity that an entity provides to the individual. Under applicable state law, a parent, guardian, or other person acting in 'loco parentis', with authority to act on behalf of an individual who is an un-emancipated minor in making decisions related to the program, service or activity, should be treated as the personal representative of the individual</td>
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<tr>
<td>PHIN Functional Requirements</td>
<td>PHIN functional requirements describe functionality that is necessary to support activities in a particular area (e.g. laboratory systems must transmit result messages to public health systems). See PHIN</td>
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<tr>
<td>Physical Safeguards</td>
<td>Measures, policies, and procedures to protect a covered entity’s electronic information systems and related buildings and equipment, from natural and environmental hazards and unauthorized intrusion</td>
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<tr>
<td>Plan Sponsor</td>
<td>An employee welfare benefit plan (typically an employer or union)</td>
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<tr>
<td>Point-to-Point</td>
<td>Communication line that provides a path from one location to another</td>
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<tr>
<td>Policy Access Point (PAP)</td>
<td>Another term used for a policy repository</td>
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<tr>
<td>Policy Determination Point (PDP)</td>
<td>Logical entity or place on a server that makes admission control and policy decisions in response to a request from a user wanting to access a resource on a computer or network server</td>
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<tr>
<td>Policy Enforcement Point (PEP)</td>
<td>An application functions in the role of the Policy Enforcement Point (PEP) if it guards access to a set of resources, and asks the Policy Determination Point (PDP) for an authorization decision</td>
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<tr>
<td>Policy Information Point (PIP)</td>
<td>Directories or any other identity providers. PIPs can provide attributes on the resource that is being accesses as well as the entity (identity) that tries to access that resource</td>
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<tr>
<td>Policy Repository</td>
<td>A policy repository stores policies specific to the environment in which it resides. The policy repository may also be called a Policy Access Point (PAP), as an entity that wishes to access policy information would go through the policy repository to evaluate policies</td>
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<tr>
<td>Privacy</td>
<td>Individual's or organization’s right to determine whether, when, and to whom, personal or organizational information is released. Also, the right of individuals to control or influence information that is related to them, in terms of who may collect or store it, and to whom that information may be disclosed</td>
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<tr>
<td>Privacy Officer</td>
<td>Appointed by a covered entity to be responsible for developing and implementing policies and procedures for complying with the health information privacy requirements of HIPAA</td>
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<tr>
<td>Privacy Rights</td>
<td>Specific actions that an individual can take, or request to be taken, with regard to the uses and disclosures of their information</td>
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<tr>
<td>Process Model</td>
<td>A framework describing the activities, functions, and processes of an organization. Processes in a process model are often defined in terms of their inputs and outputs. Process models often accompany data models; a data model does not reflect any action or flow of information, and presents only a static view of data</td>
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<tr>
<td>Protected Health Information (PHI)</td>
<td>Within the context of HIPAA, PHI is individually identifiable health information (IIHI), whether oral or recorded, in any form or medium, that is created or received by a healthcare provider, health plan, public health authority, employer, life insurer, school or university, or healthcare clearinghouse. It relates to the past, present, or future physical or mental health or condition of an individual; the provision of healthcare to an individual; or the past, present, or future payment for the provision of healthcare to an individual. PHI includes any data transmitted or maintained in any other form or medium by covered entities, including paper records, fax documents, and all oral communications, or any other form (i.e., screen prints of eligibility information, printed emails that have identified individual’s health information, claim or billing information, hard copy birth or death certificate). Protected health information (PHI) excludes school records that are subject to the Family Educational Rights and Privacy Act (FERPA), and employment records held by the entity in its role as an employer</td>
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**HITSP Acronyms List**

Reference

20090708 V3.0
<table>
<thead>
<tr>
<th>Term</th>
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<tbody>
<tr>
<td>Psychotherapy Notes</td>
<td>Notes that are recorded in any medium by a healthcare provider who is a mental health professional documenting or analyzing the contents of a conversation during a private counseling session, or a group, joint, or family counseling session, when such notes are separated from the rest of the individual’s record</td>
</tr>
</tbody>
</table>
| Public Health Activities                         | Privacy Rule permits covered entities to disclose protected health information, without authorization, to public health authorities who are legally authorized to collect information for the purpose of preventing or controlling disease, illness or injury. Public health activities may include any of the following essential services of public health:  
  - Surveillance  
  - Investigations  
  - Education  
  - Community Mobilization  
  - Workforce Training  
  - Research  
  - Personal care services delivered or funded by governmental agencies |
<p>| Public Health Authority                          | Agency or authority of the United States, a state, a territory, a political subdivision of a state, territory, or an Indian tribe, or a person or entity acting under a grant of authority from, or contract with such public agency, including the employees or agents of such public agency, or its contractors or persons or entities to whom it has granted authority, that is responsible for public health matters as part of its official mandate |
| Public Health Information Network (PHIN)         | CDC’s vision for advancing fully capable and interoperable information systems in the many organizations that participate in public health. PHIN is a national initiative to implement a multi-organizational business and technical architecture for public health information systems |
| (Public Health) Registry                         | A centralized public health data file pertaining to a defined set of health records for a particular population, e.g., cancer registry, immunization registry, blood lead registry. It is a common management tool used in public health to assist a health care practice in providing appropriate care to a population of patients, and/or to evaluate the effectiveness of public health intervention |
| (Metadata) Registry                              | [Adopted from the OASIS EbXML Glossary] A mechanism whereby relevant Repository items and Metadata about them can be registered such that a pointer to their location, and all their metadata, can be retrieved as a result of a query |
| Repository                                       | [Adopted from the OASIS EbXML Glossary] A location or set of distributed locations where Repository items, pointed at by the (Metadata) Registry Metadata, reside and from which they can be retrieved |
| Requirements Specification                       | A complete and precise description of the system from the user’s point of view |
| Research                                         | Systematic investigation, including research development, testing, and evaluation, designed to develop or contribute to generalized knowledge |
| Response                                         | Taking action when a disaster occurs to save lives, prevent injuries, and prevent or limit property damage |
| Risk                                             | Specific threat or event that will exploit or impact certain vulnerabilities |
| Risk Assessment/Risk Analysis                    | Systematic evaluation of risk in an organization |
| Risk Management                                  | Overall program implemented in an organization to control risk |
| Role-Based Access Control (RBAC)                 | Nondiscretionary method of regulating or controlling access to resources based on the roles of individual users within an enterprise |
| Scenario                                         | Instance of a use case |
| Secondary Use of Health Data                     | Non-direct use of personal health information (PHI), including, but not limited to analysis, research, quality and safety measurement, public health, payment, provider certification or accreditation, and marketing and other business (including strictly commercial) activities. Secondary use of health data can enhance health care experiences for individuals, expand knowledge about disease and appropriate treatments, strengthen understanding about the effectiveness and efficiency of our health care systems, support public health and security goals, and aid businesses in meeting the needs of their customers |
| Secured Communication Channel                    | Ensures the authenticity, the integrity, and the confidentiality of transactions, and the mutual trust between communicating parties |
| Security                                         | Refers to the physical, technological, or administrative safeguards or tools used to protect identifiable health data from unwarranted access or disclosure |
| Security Incident                                | Attempted or successful unauthorized access, use, disclosure, modification, or destruction of information, or the interference with system operations in an information system |
| Security/Security Measures/Safeguards            | Encompass all of the administrative, physical, and technical actions used or taken to protect health information from unwarranted access or disclosure, regardless of the medium or format |
| Semantic interoperability                         | The ability to preserve the meaning of exchanged information |
| Service Collaboration (SC)                       | The composition of HITSP Transaction, Transaction Package, or Component constructs into a reusable workflow, primarily at the infrastructure level, for example HITSP/SC115 HL7 Messaging Service Collaboration |</p>
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<tr>
<th>Term</th>
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<tr>
<td>Shared Account</td>
<td>Refers to an account in an information system shared by a group of users. If the account is misused, it is very difficult or impossible to know which of the users was responsible</td>
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<tr>
<td>Situational awareness</td>
<td>Awareness of everything that is happening around oneself, and the relative importance of everything observed; with a constantly evolving picture of the state of the environment. Situational awareness can be described broadly as a person’s state of knowledge or mental model of the situation around him or her. Situational awareness is important for effective decision making and performance in any complex and dynamic environment. It was originally an aviation term used to describe awareness of tactical situations during aerial warfare. It has now been adopted throughout aviation, and increasingly in other dynamic, complex situations requiring human control. A general, widely applicable definition describes situational awareness as “the perception of the elements in the environment within a volume of time and space, the comprehension of their meaning and the projection of their status in the near future” (Endsley, 1988)</td>
</tr>
<tr>
<td>Stakeholder</td>
<td>Person or organization that uses or benefits from systems that are interoperable</td>
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</table>
| Standard                   | The term Standard is used [by HITSP] to refer to Specifications, Implementation Guides, Code Sets, Terminologies, Integration Profiles; it is a well-defined approach that supports a business process and:  
  - has been agreed upon by a group of experts  
  - has been publicly vetted  
  - provides rules, guidelines, or characteristics  
  - helps to ensure that materials, products, processes, and services are fit for their intended purpose  
  - is available in an accessible format  
  - is subject to an ongoing review and revision process                                                                                                                                                                                                                                                                                                                                                           |
<p>| Strain                     | A group of organisms within a species or variety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Structured Data            | Coded, semantically interoperable data that is based on a reference information model                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Subtype                    | A specialization of another class, which inherits the attributes of its parent class                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Surveillance               | The systematic ongoing collection, collation, and analysis of data and the timely dissemination of information to those who need to know so that action can be taken. Surveillance is the essential feature of epidemiological practice                                                                                                                                                                                                                                                                                                                                 |
| Synchronous                | Events that are synchronized, or coordinated, in time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| System                     | Is an IT system application that plays an initiating or responding role in one or more information exchanges addressed by a HITSP Interoperability Specification or Capability                                                                                                                                                                                                                                                                                                                                                         |
| Systematized Nomenclature of Medicine (SNOMED) | A structured nomenclature and classification of the terminology used in human and veterinary medicine developed by the College of Pathologists and American Veterinary Medical Association. Terms are applied to one of eleven independent systematized modules                                                                                                                                                                                                                                                   |
| Technical Actor            | A declared interface that is a set of features and obligations that supports information exchanges for a system application defined by HITSP constructs. (HITSP specifications have replaced this term with Interface)                                                                                                                                                                                                                                                                                                                     |
| Technical Safeguards       | Policies and procedures to protect electronic health information and control access                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Template                   | In normal use, a template is a pattern that must be followed in the construction of something. Within HL7 version 3 based standards a template is set of business rules (constraints) used to create an artifact used in an Information Exchange. Templates are formally defined in the HL7 Version 3. Templates are used by HITSP, HL7 and IHE as a way to express the business rules applied to HL7 Version 3 based documents and messages                                                                                                                                                                |
| Threats                    | Exploitation or compromise of the security of systems or networks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Trading Partner Agreement  | Related to the exchange of information in electronic transactions, specifically the communications protocols and transaction standards to be used                                                                                                                                                                                                                                                                                                                                                   |
| Transaction (T)            | A logical grouping of data exchanges and transport methods that must all succeed or fail as a group. Examples are the Query Lab Result or Send Lab Result                                                                                                                                                                                                                                                                                                                                                       |
| Transaction Package (TP)   | A logical grouping of two or more Transactions. Transaction Packages, and/or composite standards used to fulfill Information Exchange Requirements (IERs). A Transaction Package is not required to succeed or fail as a whole. Examples include the Record Locator Service and Entity Identification Service                                                                                                                                                                                                                                             |
| Transaction, Electronic Transaction | Transmission of information in electronic form between two parties to carry out financial, administrative or clinical exchanges of health information                                                                                                                                                                                                                                                                                                                                                              |
| Transmission               | Transfer of data over a communications channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Transmission Confidentiality | Process to ensure that information in transit is not disclosed to unauthorized individuals, entities, or processes                                                                                                                                                                                                                                                                                                                                                                                         |
| Transmission Integrity     | Process to guard against improper information modification or destruction while in transit                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |</p>
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<tr>
<td>Transparency</td>
<td>Transparency implies openness, communication, and accountability. It is a metaphorical extension of the meaning used in the physical sciences: a &quot;transparent&quot; object is one that can be seen through. Transparent procedures include open meetings, financial disclosure statements, the freedom of information legislation, budgetary review, audits, etc.; HITSP’s contract promises transparency and openness.</td>
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<tr>
<td>Trauma</td>
<td>Any injury, whether physically or emotionally inflicted. Physical trauma refers to a physical injury. In medicine, however, the words trauma patient usually refer to someone who has suffered serious and life-threatening physical injury, potentially resulting in secondary complications such as shock, respiratory failure, and death. Trauma patients require specialized care, including surgery and sometimes blood transfusion, within the so-called golden hour of emergency medicine; the first sixty minutes after trauma occurs. This is not a strict deadline, but recognizes that many deaths which could have been prevented by appropriate care, occur a relatively short time after injury. In many places, organized trauma referral systems have been set up to provide rapid care for injured people. Research has shown that deaths from physical trauma decline where there are organized trauma systems.</td>
</tr>
<tr>
<td>Trauma Center</td>
<td>Trauma centers are usually classified as Level I and Level II; based on the severity of cases they treat, although the criteria for classification have changed over time, and are subject to scrutiny by medical professional organizations and health jurisdictions.</td>
</tr>
<tr>
<td>Treatment</td>
<td>Provision, coordination, or management of healthcare and related services by one or more healthcare providers, including the coordination or management of healthcare by a healthcare provider with the third party; consulting between healthcare providers relating to a patient, or the referral of a patient for healthcare from one healthcare provider to another.</td>
</tr>
<tr>
<td>Unified Modeling Language (UML)</td>
<td>A graphical language for visualizing, specifying, constructing, and documenting the artifacts of a software-intensive system. A standard set of notations for representing the system in a graphical way.</td>
</tr>
<tr>
<td>Unified Modeling Language System (UMLS)</td>
<td>Developed by the National Library of Medicine as a standard health vocabulary that enables cross-referencing to other terminology and classification systems. Includes a meta-thesaurus, a semantic network, and an information sources map. Purpose is to help health professionals and researchers retrieve and integrate electronic biomedical information from a variety of sources, irrespective of the variations in the way similar concepts are expressed in different sources and classifications systems. Has incorporated most source vocabularies.</td>
</tr>
<tr>
<td>Use</td>
<td>Sharing, employment, application, utilization, examination, or analysis of information within the entity that maintains such information.</td>
</tr>
<tr>
<td>Use Case</td>
<td>In software engineering, a Use Case is a technique for capturing the potential requirements of a new system or software change. Each Use Case provides one or more scenarios that convey how the system should interact with the end user, or another system, to achieve a specific business goal. Use Cases typically avoid technical jargon, preferring instead the language of the end user or domain expert. Use Cases are often co-authored by business analysts and end-users.</td>
</tr>
<tr>
<td>Use Case Diagram</td>
<td>A product of the requirement elicitation process (UML notation) that depicts graphical (symbolic) description of the functionality of the system for the selected use case.</td>
</tr>
<tr>
<td>User</td>
<td>Person or entity with authorized access.</td>
</tr>
<tr>
<td>Vocabulary</td>
<td>Also known as a terminology is a collection of concepts along with their relationships to each other.</td>
</tr>
<tr>
<td>Work Flow</td>
<td>A sequence of activities by actors within a selected use case that generate, manage, and use data within the system.</td>
</tr>
</tbody>
</table>
REFERENCES
Definitions to the terms included in this glossary have been generally extracted from Standard Development Organizations and several of the following sources:

- Health Level 7 (HL7). www.hl7.org
- Integrating the Healthcare Enterprise. www.ihe.net
- International Organization for Standardization (ISO). www.iso.org
- National Security and Privacy policy organizations
- Mayo Clinic College of Medicine. www.mayo.edu
- SNOMED International. www.SNOMED.org
- US Code of Federal Regulations
- http://www.citizen.org/trade/harmonization/
- http://www.eff.org/Privacy/Anonymity/
- http://en.wikipedia.org/wiki/Minimum_Data_Set