



Standard Terminology for Healthcare Informatics¹

This standard is issued under the fixed designation E2457; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This terminology is intended to name and document the principal concepts, and their associated terms, that are utilized in the healthcare information domain and all of its specialized subdomains. It is applicable to all areas of healthcare about which information is kept or utilized. It is intended to complement and utilize those concepts already identified by other national and international standards bodies. It will identify alternate accepted terms for the same concept and its elected term. Its terms are intended to clarify and simplify usage in the dialog and documentation about the concepts, processes and data that are used to schedule, conduct and manage all phases of healthcare. This common usage will improve the quality and management of all facets of healthcare by means of explicit information used in referring to each of these facets. These health informatics terms have been collected here specifically in order to facilitate the consistent use of common concepts in informatics standards development and use throughout healthcare. A separate process from this standard that is described in ISO 15188 will manage the approval of biomedical and healthcare terms.

1.2 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

- E1239 Practice for Description of Reservation/Registration-Admission, Discharge, Transfer (R-ADT) Systems for Electronic Health Record (EHR) Systems
- E1284 Guide for Construction of a Clinical Nomenclature

¹ This terminology is under the jurisdiction of ASTM Committee E31 on Healthcare Informatics and is the direct responsibility of Subcommittee E31.35 on Healthcare Data Analysis.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

for Support of Electronic Health Records (Withdrawn 2007)³

E1384 Practice for Content and Structure of the Electronic Health Record (EHR)

E1633 Specification for Coded Values Used in the Electronic Health Record

E1762 Guide for Electronic Authentication of Health Care Information

E1869 Guide for Confidentiality, Privacy, Access, and Data Security Principles for Health Information Including Electronic Health Records

E1985 Guide for User Authentication and Authorization

E1986 Guide for Information Access Privileges to Health Information

E1987 Guide for Individual Rights Regarding Health Information (Withdrawn 2007)³

E2087 Specification for Quality Indicators for Controlled Health Vocabularies (Withdrawn 2009)³

E2147 Specification for Audit and Disclosure Logs for Use in Health Information Systems

2.2 CEN Standards:⁴

EN-12017 Medical Informatics Vocabulary (MIVoc)

EN-12264 Categorical Structure of Syntax of Concepts—Model for Representation of Semantics (MOSE)

2.3 ISO Standards:⁵

ISO 704 Principles and Methods of Terminology

ISO/DIS 860 International Harmonization of Concepts and Terms

ISO/DIS 1087-1 Terminology—Vocabulary—Part 1 Theory and Application

ISO/DIS 1087-2 Terminology—Vocabulary—Part 2 Computer Applications

ISO 2382/4 Information Technology—Vocabulary—Organization of Data

ISO 10241 Terminology—Standards Representation and Layout

ISO 12200 Terminology—Computer Applications—Machine Readable Terminology Interchange Format

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Available from European Committee for Standardization (CEN), 36 rue de Stassart, B-1050, Brussels, Belgium, <http://www.cenorm.be>.

⁵ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

*A Summary of Changes section appears at the end of this standard