



Standard Practice for the Occupational/Environmental Health View of the Electronic Health Record¹

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1. Scope

1.1 This Practice is intended to assemble a logical occupational/environmental health view of the already defined general structure and vocabulary for the Electronic Health Record (EHR) and to suggest the ways in which this view can be used to support employee health assessments and other healthcare delivered at the work site. This view is consistent with the ANSI/ADA Clinical Concept Data Model 2005, which identified the major data entities that will need to be involved. This view would complement other views addressed in other settings of care for the employee and could logically either request other EHR data or deliver to other practitioner requester's record systems portions of occupational/environmental health data that have been recorded at the work site. This practice does not deal with the specific implementation of the content and it also does not either suggest or recommend implementation techniques. Likewise, it does not suggest standards of care. These functions are dealt with in other domains.

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
- E1340 Guide for Rapid Prototyping of Information Systems
- E1384 Practice for Content and Structure of the Electronic Health Record (EHR)
- E1578 Guide for Laboratory Information Management Systems (LIMS)
- E1633 Specification for Coded Values Used in the Electronic Health Record

- E1714 Guide for Properties of a Universal Healthcare Identifier (UHID)
- E1715 Practice for An Object-Oriented Model for Registration, Admitting, Discharge, and Transfer (RADT) Functions in Computer-Based Patient Record Systems
- E1744 Practice for View of Emergency Medical Care 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
- E1986 Guide for Information Access Privileges to Health Information
- E1987 Guide for Individual Rights Regarding Health Information (Withdrawn 2007)³
- E1988 Guide for Training of Persons who have Access to Health Information (Withdrawn 2007)³
- E2017 Guide for Amendments to Health Information
- E2066 Guide for Validation of Laboratory Information Management Systems
- E2084 Specification for Authentication of Healthcare Information Using Digital Signatures (Withdrawn 2009)³
- E2085 Guide on Security Framework for Healthcare Information (Withdrawn 2009)³
- E2086 Guide for Internet and Intranet Healthcare Security (Withdrawn 2009)³
- E2145 Practice for Information Modeling
- E2147 Specification for Audit and Disclosure Logs for Use in Health Information Systems
- E2171 Practice for Rating-Scale Measures Relevant to the Electronic Health Record

2.2 ANSI/IEEE Standards:⁴

- ANSI/IEEE 610.2 Standard Glossary of Computer Applications Terminology
- ANSI/IEEE 610.5 Standard Glossary of Information Management Terminology

¹ This practice is under the jurisdiction of ASTM Committee E31 on Healthcare Informatics and is the direct responsibility of Subcommittee E31.25 on Healthcare Data Management, Security, Confidentiality, and Privacy.

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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.

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

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