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Health informatics — Person-owned document repository for PHR applications and health information exchange

Informatique de santé — Dépôt de documents personnels pour les applications PHR et échange d'informations sur la santé

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Foreword

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

This document was prepared by ISO/TC 215, *Health informatics*.

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Health informatics — Person-owned document repository for PHR applications and health information exchange

1 Scope

This document describes the concept of a person-owned repository (PoR) of health documents. It suggests representative uses for PoRs and surveys some of the existing technologies and projects that can be categorized as PoRs. It is, however, not intended to cover document formats (such as HL7 CDA), exact communication protocols, details of security and privacy protection strategies, or any other normative aspects of PoRs.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at http://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org

3.1
access control
means of ensuring that the resources of a data processing system can be accessed only by authorized entities in authorized ways

[SOURCE: ISO/TS 21547:2010, 3.2.1]

3.2
authorization
granting privileges

[SOURCE: ISO/TR 14292:2012, 2.4]

3.3
clinical information
information about a person, relevant to his or her health or healthcare

[SOURCE: ISO 13606-1:2008, 3.13]

3.4
data owner
person having responsibility and authority for the data

[SOURCE: ISO/TR 14292:2012, 2.10]

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3.5
electronic health record
EHR
information relevant to the wellness, health and healthcare of an individual, in computer-processable form and represented according to a standardized information model

[SOURCE: ISO 18308:2011, 3.20]

3.6
healthcare
activities, services or supplies related to the health of an individual

[SOURCE: ISO/TR 12773-2:2009, 2.15]

3.7
healthcare provider
healthcare organization or healthcare professional involved in the direct provision of healthcare

[SOURCE: ISO 18308:2011, 3.32]

3.8
information broker
person or system that commercially undertakes to locate, to retrieve and to provide information

3.9
personal health record
PHR
representation of information regarding, or relevant to, the health, including wellness, development and welfare of that individual, which may be stand-alone or may integrate health information from multiple sources, and for which the individual, or the representative to whom the individual delegated his or her rights, manages and controls the PHR content and grants permissions for access by, and/or sharing with, other parties

Note 1 to entry: See ISO/TR 14292:2012, 4.1.

3.10
service
ability of a system to provide a defined set of output information based on a defined set of input information

[SOURCE: ISO/TR 14292:2012, 2.31]

4 Symbols and abbreviated terms

AA	authentication agent
CDA	clinical document architecture
CRIB	clinical research information broker
CRIC	clinical research information consumer
CRIP	clinical research information provider
EHR	electronic health record
HIE	health information exchange

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