

DIN EN ISO 13606-1:2019-11 (E)

Health informatics - Electronic health record communication - Part 1: Reference model (ISO 13606-1:2019); English version EN ISO 13606-1:2019

Contents		Page
Foreword		v
Introduction		vi
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
3.1 Actors		1
3.2 Concepts and terms		3
3.3 Information management		3
3.4 Privacy and security		5
3.5 Process management		6
4 Abbreviations		6
5 Overview		7
5.1 Overview of the reference model		7
5.2 Representing roles and responsibilities within the EHR_EXTRACT		8
5.2.1 General		8
5.2.2 Actors playing a role in the actual healthcare process		8
5.2.3 Actors contributing to the process of documenting care within the EHR		8
5.2.4 Actors confirming the validity of the EHR documentation		8
5.2.5 Subject of care		9
5.2.6 Composer		9
5.2.7 Committer		10
5.2.8 Subject of information		10
5.2.9 Information provider		10
5.3 About the use of datatypes in this document		10
6 Common Properties of Record Components		11
6.1 Base, record and structure components		11
6.1.1 General		11
6.1.2 Base component		13
6.1.3 Electronic health record component		14
6.1.4 Structure component		15
6.2 Attestation		16
6.2.1 General		16
6.2.2 Attestation information		18
6.3 Audit information		19
6.4 Linking record components		22
6.4.1 General		22
6.4.2 Link usages		22
6.4.3 Communicating referenced record components		24
6.4.4 Link		24
6.4.5 External link		25
7 Elements and Data Values		26
7.1 General		26
7.2 Data value		27
7.2.1 Boolean		29
7.2.2 Attachment		29
7.2.3 String		32

7.2.4	Simple text	33
7.2.5	Coded simple value	33
7.2.6	Coded value	34
7.2.7	Instance identifier	37
7.2.8	URI	39
7.2.9	Physical quantity	40
7.2.10	Duration	41
7.2.11	Real	42
7.2.12	Integer	43
7.2.13	Date time	43
7.2.14	Date	44
7.2.15	Time	45
7.2.16	Point in time	45
8	EHR Components	46
8.1	General	46
8.2	Folder	47
8.2.1	General	47
8.2.2	Folder	48
8.3	Compositions	49
8.3.1	General	49
8.3.2	Composition	50
8.4	Content and sections	51
8.4.1	General	51
8.4.2	Content	51
8.4.3	Section	52
8.5	Entries	53
8.5.1	General	53
8.5.2	Entry	53
8.6	Items and clusters	55
8.6.1	Item	55
8.6.2	Cluster	56
8.7	Element	57
9	EHR Extract	57
9.1	General	57
9.2	EHR extract	58
9.3	Extracted component set	59
9.4	Demographic extract	60
10	Demographics	61
10.1	General	61
10.2	Demographic folder	62
10.3	Demographic entity	63
10.4	Demographic item	64
10.5	Demographic cluster	65
10.6	Demographic element	66
11	Conformance	67
	Annex A (informative) About the ISO 21090:2011 profile for datatypes	68
	Annex B (informative) Alignment with HL7 FHIR	72
	Annex C (informative) Cross-Domain Interoperability	73
	Bibliography	78