ISO 13940:2015-12 (E)

Health informatics - System of concepts to support continuity of care

Contents

Page

Foreword vi

0 Introduction vii

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1
3.1 Healthcare 1
3.2 Concepts and terms 2
3.3 Actors 2
3.4 Resources 3
3.5 Management 4
3.6 Process management 5
3.7 Time 6
3.8 Responsibility 7
3.9 Information management 7

4 Symbols and abbreviations 8

5 Concepts related to healthcare actors 9
5.1 General 9
5.2 Healthcare actor 10
5.2.1 Subject of care 12
5.2.2 Next of kin 14
5.2.3 Healthcare provider 15
5.2.4 Healthcare third party 21

6 Concepts related to healthcare matters 24
6.1 General 24
6.2 Healthcare matter 25
6.3 Health issue 27
6.4 Health condition 28
6.4.1 Observed condition 29
6.4.2 Potential health condition 31
6.5 Health state 37
6.5.1 Input health state 38
6.5.2 Output health state 39
6.5.3 Health need 39
6.6 Health thread 40
6.6.1 Clinical process interest 41
6.6.2 Health problem list 42
6.6.3 Health condition evolution 42

7 Concepts related to activities 44
7.1 General 44
7.2 Healthcare activity 45
7.2.1 Healthcare provider activity 47
7.2.2 Healthcare activity directory 48
7.2.3 Self-care activity 48
7.2.4 Prescribed self-care 49

7.2.5 Healthcare third party activity 50
7.2.6 Prescribed third party activity 51
7.2.7 Healthcare activity element 51
7.2.8 Automated healthcare 60
7.2.9 Healthcare resource 61
7.2.10 Healthcare funds 63

8 Concepts related to process 65
8.1 General 65
8.2 Healthcare process 65
8.2.1 Clinical process 66
8.2.2 Healthcare quality management 68
8.2.3 Healthcare administration 68
8.2.4 Adverse event 69
8.2.5 Adverse event management 69
8.2.6 Healthcare service 70
8.2.7 Healthcare service directory 70

9 Concepts related to healthcare planning 72
9.1 General 72
9.2 Care plan 73
9.2.1 Uniprofessional care plan 74
9.2.2 Multi-professional care plan 75
9.2.3 Core care plan 75
9.2.4 Clinical guideline 76
9.2.5 Health objective 78
9.2.6 Healthcare goal 79
9.2.7 Healthcare activities bundle 79
9.2.8 Needed healthcare activity 80

10 Concepts related to time 82
10.1 General 82
10.2 Health related period 82
10.2.1 Mandated period of care 83
10.2.2 Healthcare activity period 84
10.2.3 Healthcare activity delay 90
10.2.4 Clinical process episode 93
10.2.5 Health condition period 93
10.2.6 Episode of care 94

11 Concepts related to responsibilities 97
11.1 General 97
11.2 Healthcare mandate 97
11.2.1 Demand mandate 99
11.2.2 Care period mandate 100
11.2.3 Healthcare activity mandate 101
11.2.4 Continuity facilitator mandate 102
11.2.5 Mandate to export personal information 102
11.2.6 Informed consent 103
11.2.7 Dissent 104
11.2.8 Consent competence 104
11.2.9 Authorization by law 105
11.2.10 Healthcare commitment 105
11.2.11 Subject of care desire 106
11.3 Demand for care 106
11.3.1 Demand for initial contact 108
11.3.2 Referral 108
11.3.3 Request 109
11.3.4 Reason for demand for care 110

12 Concepts related to information management 111

12.1 General 111
12.2 Health record 111
12.2.1 Professional health record 113
12.2.2 Personal health record 114
12.2.3 Health record component 114
12.2.4 Electronic health record component 115
12.3 Sharable data repository 116
12.4 Summarized healthcare information repository 117
12.5 Health record extract 117
12.5.1 Electronic health record extract 118
12.5.2 Electronic patient summary 119
12.5.3 Clinical Report 120
12.5.4 Health concern 123
12.5.5 Healthcare information request 124
12.6 Certificate related to a healthcare matter 125

13 Conformance 126

Annex A (informative) Framework for the normative concepts in this International Standard 127

Bibliography 142