




Smart Open Services for European Patients

Open eHealth initiative for a European large scale pilot of
Patient Summary and electronic Prescription

Work Package 3.9 D3.9.1 – Appendix B.2 MVC/MTC

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Version	Date	Status Changes	From	Details	Review
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V0.2	03/09/2010	Draft	CareCom	Updated document based on MVC1.4	
V0.3	03/09/2010	Draft	Lombardy	Updated document based on last MVC1.4	
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V1.0	06/10/2010	Final	Lombardy	Version approved by PEB	
V1.2	22/12/2010	Final	Lombardy	Alignment with MVC 1.6	



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1 Preface

The **MVC** (Master Value set Catalogue) is a data structure containing all the value sets selected by WP 3.5. The value sets should represent the codes needed for a MS to being able to send the information needed in the tree pivot documents: ePrescription, eDispensation and Patient Summary.

The MVC contains a lot of sheets where each sheet represents a value set. Every value set has a name, an OIS id, a column with the codes and next a column with the English display name representing the code. Some of the value sets have and extra column with a more detailed description. Underneath the column headers: "code" and "English display name" each row represent 1 concept.

Some of the value sets are technical and therefore not to find in the MTC file since they are value sets which should not be translated.

The **MTC** (Master Translation/Transcoding Catalogue) is a copy of the MVC but without the technical value sets which should not be translated. Each table which represents a value set in the MTC will only have the 2 columns described above: 1 column with the codes and 1 column with their English display name. Underneath the column headers: "code" and "English display name" each row represent 1 concept. All extra columns with descriptions have been removed from the MTC so there can be no misunderstanding in what should be translated.

The transcoding/mappings are managed by linking new tables to the MVC / MTC for Translation.

For every MS and or adopted coding system, the corresponding codes to be transcoded in the epSOS code are provided, together with the MS display name associated to the provided code.

The **eCRTS** (epSOS Central Reference Terminology Server) runs the CareCom system HealthTerm on which MVC are loaded and by which MS can generate their MTC.


Descriptions and guidelines are provided in D3.9.1 – Appendix B3: epSOS Cental Reference Terminology Server.

This appendix B2 provides a synthetic view of the MVC ValueSets, indicating, for every ValueSets, the Code System, its version and date, the OID, the name, the coded fields using it, a short description, the info if has to be translated, because it is displayed to the HCP and the skill (medical / technical) needed to translate it. Finally the number of coded concepts in the ValueSet.

The currently valid MVC is stored on Project Place in the folder:

MVC CURRENTLY VALID VERSION

<https://service.projectplace.com/pp/pp.cgi/r511987049>


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2 Content in MVC and in eCRTS


Warning: the list of OID is also attached as part of the table of D3.9.1 Appendix B1. The two tables must be kept aligned in future releases of the two appendixes.

In light yellow the values changed between MVC 1.5 and MVC 1.6

No.	Value Set OID	Code system	Code System OID used in epSOS	Code system Version in eCRTS	Value Set Name	Coded field using value set	Description	To be translated in the MTC, BECAUSE IT WILL BE SHOWN as a concept, an	Skills to translate	Count in MVC 1.6	Count in eCRTS
1	1.3.6.1.4.1.12559.11.10.1.3.1.42.27	epSOS codes (coded elements)	1.3.6.1.4.1.12559.11.10.1.3.1.44.3	July 2010	VS01_epSOSCodedElements	All the coded element names	The Value Set is used to denominate all the coded fields present in the three specification documents	NO unless MS document display foresees to show it to HCP	Medical	175	175
2	1.3.6.1.4.1.12559.11.10.1.3.1.42.29	HL7ActCode	2.16.840.1.113883.5.4	June 2009	VS02_ActEncounter	Code attribute of the Act class in an entry	General category of medical service provided to the patient during their encounter.	YES	Technical	20	20
3	1.3.6.1.4.1.12559.11.10.1.3.1.42.24	ATC	2.16.840.1.113883.6.73	2010	VS03_epSOSActiveIngredient	Active Ingredient and Allergy Agent	The Value Set is used as a mandatory code for the Active Ingredient of medications in the Medications Summary as well as the prescription Sections. Also used to code allergy agents in the Allergies and Other Adverse Reactions Section of the patient Summary.	YES	Medical	5592	5592
4	1.3.6.1.4.1.12559.11.10.1.3.1.42.18	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS04_epSOSAverseEventType	Allergy Display Name	The value set is used to code the patient's kind of adverse reactions against substance, food or drugs.	YES	Medical	9	9
5	1.3.6.1.4.1.12559.11.10.1.3.1.42.19	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS05_epSOSAlergenNoDrugs	Allergy Agent	The Value Set is used to code the allergenic agents (apart from drugs) against which the patient has developed an adverse reaction.	YES	Medical	93	93
6	1.3.6.1.4.1.12559.11.10.1.3.1.42.20	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS06_epSOSBloodGroup	Result of blood group	The Value Set is used to code the value of patient's blood group + Rh	YES	Medical	12	12
7	1.3.6.1.4.1.12559.11.10.1.3.1.42.21	LOINC	2.16.840.1.113883.6.1	June 2010	VS07_epSOSBloodPressure	Blood pressure	The Value Set is used for the observations of Blood Pressure recorded in the section for Vital Signs Observations in the Patient Summary. It codes what type of pressure (diastolic, systolic) is measured.	YES	Medical	2	2
8	1.3.6.1.4.1.12559.11.10.1.3.1.42.22	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS08_epSOSCodeNoMedication	Current Medication	The Value Set is used to indicate, when a patient has no medication, if it is because the treatment is unknown, or if no medication was prescribed, or if the patient doesn't take medication on his own (self-medication)	YES	Medical	3	3
9	1.3.6.1.4.1.12559.11.10.1.3.1.42.23	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS09_epSOSCodeProb	This is used in the problem entry.	The Value Set is used as an optional description of a problem in the patient Summary. It gives an information on the circumstances under which the problem was defined/discovered.	YES -- Yes, because this code give the general kind of problem the patient has, and could be used as a filter when/if the user is sorting data	Medical	7	7
10	1.3.6.1.4.1.12559.11.10.1.3.1.42.31	HL7 Confidentiality	2.16.840.1.113883.5.25	June 2009	VS10_Confidentiality	Confidentiality code	The Value Set is used for encoding the confidentiality level of the entire CDA. This Value Set encodes the level of access with regards to the content of the Value Set -- for example N concerns all the medical team, R is restricted for specialist that take care of the patient in certain circumstances, and VIP would be for the persons that need the Privacy Officer present or other special consideration (for example a celebrity hospitalized who needs their records protected)	YES	Technical	7	7
11	1.3.6.1.4.1.12559.11.10.1.3.1.42.4	ISO-3166-1	1.0.3166.1	2001	VS11_epSOSCountry	Country	The Value Set is used to identify the nationality of all persons and organizations.	YES	Technical	23	23
12	1.3.6.1.4.1.12559.11.10.1.3.1.42.32	LOINC	2.16.840.1.113883.6.1	June 2010	VS12_Document Title LOINC	ClinicalDocument.title	Defines to which category the document belongs to : summary, prescription, or dispensation.	YES	Technical	4	4
13	1.3.6.1.4.1.12559.11.10.1.3.1.42.2	EDQM	1.3.6.1.4.1.12559.11.10.1.3.1.44.1	2010	VS13_Dose form	1)Strength of the medicinal product as in Country A 2)Pharmaceutical dose form 3)Number of units per intake	The Value Set is used for the pharmaceutical dose form. Required for ePrescriptions and optional for medication summaries	YES	Medical	462	462
14	1.3.6.1.4.1.12559.11.10.1.3.1.42.33	HL7:EntityNamePartQualifier	2.16.840.1.113883.5.43	June 2009	VS14_EntityNamePartQualifier	Prefix	The Value Set is used to define the type of prefixes or suffixes to be added (if any) to the patient's name.	YES	Technical	11	11

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No.	Value Set OID	Code system	Code System OID used in epSOS	Code system Version in eCRTS	Value Set Name	Coded field using value set	Description	To be translated in the MTC, BECAUSE IT WILL BE SHOWN as a concept, an	Skills to translate	Count in MVC 1.6	Count in eCRTS
15	1.3.6.1.4.1.12559.11.10.1.3.1.42.7	epSOS codes (substitution)	2.16.840.1.113883.5.1070	July 2010	VS15_epSOSSubstitutionCodes	Indicates if substitution is allowed (R4.16) or if specific healthcare facility is needed	The Value Set is used to indicate if the replacement of a prescribed medication is allowed if it is not available in country where the dispensation is proceeded. It also is used to indicate if the patient needs care in a specific healthcare facility	YES	Medical	3	3
16	1.3.6.1.4.1.12559.11.10.1.3.1.42.25	epSOS codes (error codes)	not applicable, use the Value set OID 1.3.6.1.4.1.12559.11.10.1.3.1.42.25	July 2010	VS16_epSOSErrorCodes	Error code messages	Error code messages specific to the epSOS project. These are to be filled out later since the errors are still to be discovered by the implementation team. A tentative tab was anticipated but it is not completed.	YES but later	Technical	50	NOT IN
17	1.3.6.1.4.1.12559.11.10.1.3.1.42.34	HL7 AdministrativeGender	2.16.840.1.113883.5.1	June 2009	VS17_AdministrativeGender	Gender	The gender of a person used for administrative purposes (as opposed to clinical gender)	YES	Technical	3	3
18	1.3.6.1.4.1.12559.11.10.1.3.1.42.1	ISCO	2.16.840.1.113883.2.9.6.2.7	2008	VS18_epSOSHealthcareProfessionalRole	author	The Value Set is used to code the HCP's profession (functional code). It is mandatory for each Prescriber (author) in the prescription message and optional for all other Health Care Professionals	YES	Medical	39	39
19	1.3.6.1.4.1.12559.11.10.1.3.1.42.35	IHEActCode	1.3.5.1.4.1.19376.1.5.3.2	August 2009 (R5)	VS19_IHEActCode	Used in certain entries - see description	This is a technical value set which describes what kind of information (immunization, intolerance, instructions) are related to the entry. Describes what the entry is all about. For example describes the purpose of acts, e.g. a comment on another act, to distinguish the act of immunization from the act of treating a patient with a medication	NO but the description needs to be understood by the implementers.	Medical / Technical	8	8
20	1.3.6.1.4.1.12559.11.10.1.3.1.42.36	IHERoleCode	1.3.5.1.4.1.19376.1.5.3.3	August 2009 (R5)	VS20_IHERoleCode	Used in certain entries - see description	It is a set of technical codes defined by IHE to represent certain roles that entities play or are scoped by.	NO but the description needs to be understood by the implementers.	Technical	4	4
21	1.3.6.1.4.1.12559.11.10.1.3.1.42.5	ICD-10	given epSOS code based on Sylvia's recommendations 1.3.6.1.4.1.12559.11.10.1.3.1.44.2	2008	VS21_epSOSIllnessesandDisorders	1)History of past illness 2)Allergy Display Name 3)Problem Description 4)Problem/diagnosis description	The Value Set is used to code illnesses, allergies, syndromes or symptoms the patient suffered in the past or is currently suffering.	YES	Medical	1680	1680
22	1.3.6.1.4.1.12559.11.10.1.3.1.42.6	ISO-639-1	1.0.639.1	2001	VS22_epSOSLanguage	languageCode	The Value Set is used to identify the language the document will be written with, as well as the patient's preferred language.	YES -- same remarks than above (epSOSCountry)	Technical	21	21
23	1.3.6.1.4.1.12559.11.10.1.3.1.42.8	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS23_epSOSMedicalDevices	Device and implant Description	The Value Set is used for describing the patients Medical Devices and implants in the Patient Summary	YES	Medical	68	68
24	1.3.6.1.4.1.12559.11.10.1.3.1.42.37	HL7:NullFavor	2.16.840.1.113883.5.1008	June 2009	VS24_HL7:NullFavor	All the data element (coded fields) which are not mandatory in the patient summary	The Value Set is used for describing why non mandatory elements throughout the entire document are not specified.	YES	Technical	12	12
25	1.3.6.1.4.1.12559.11.10.1.3.1.42.3	EDQM	1.3.6.1.4.1.12559.11.10.1.3.1.44.1	2010	VS25_epSOSPackage	Medicinal product package	The Value Set is used to encode the Medicinal product package. Required for prescriptions and optional for medication summaries	YES -- same remarks than above (epSOSDoseForm)	Medical	69	69
26	1.3.6.1.4.1.12559.11.10.1.3.1.42.38	HL7:PersonalRelationshipRoleType	2.16.840.1.113883.5.111	June 2009	VS26_HL7:PersonalRelationshipRoleType	1) Gardian 2)Patient contact	The Value Set is used (optionally) to code the type of contact relationship between a person and the patient.	YES	Technical	39	39
27	1.3.6.1.4.1.12559.11.10.1.3.1.42.9	LOINC	2.16.840.1.113883.6.1	June 2010	VS27_epSOSPregnancyInformation	Pregnancy History	The Value Set is used to determine the patient's delivery date estimation	YES	Medical	3	3
28	1.3.6.1.4.1.12559.11.10.1.3.1.42.10	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS28_epSOSProcedures	1)Surgical Procedures prior to the past six months 2)Procedure description	The Value Set is used to encode procedures in the section "Surgical Procedures prior past six months" in the patient Summary	YES	Medical	100	100
29	1.3.6.1.4.1.12559.11.10.1.3.1.42.11	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS29_epSOSReactionAllergy	reaction allergy	The Value Set is used to code the clinical manifestations of allergy developed by patient in the "Allergies and Other Adverse Reactions" section of the patient Summary (along with epSOSActiveIngredient)	YES	Medical	8	8
30	1.3.6.1.4.1.12559.11.10.1.3.1.42.30	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS30_epSOSResolutionOutcome	Resolution Circumstances	The Value Set is used to describe the clinical status of a problem outcome.	YES	Medical	8	8

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31	1.3.6.1.4.1.12559.11.10.1.3.1.42.39	HL7:ParticipationType	2.16.840.1.113883.5.110	June 2009	VS31_HL7:RoleClass	Type code of Contact	The Value Set is used to make the distinction between an emergency contact and the next of kin for a patient.	YES	Technical	2	2
32	1.3.6.1.4.1.12559.11.10.1.3.1.42.12	EDQM	1.3.6.1.4.1.12559.11.10.1.3.1.44.1	2010	VS32_epSOSRoutesofAdministration	Route of Administration	The Value Set is used to encode the (optional) "Route of Administration" for a given medication in the Prescription section and the Medication Summary.	YES -- same remarks than above (epSOSDoseForm)	Medical	89	89
33	1.3.6.1.4.1.12559.11.10.1.3.1.42.26	LOINC	2.16.840.1.113883.6.1	June 2010	VS33_epSOSSections	Name of the sections used in the epSOS documents.	The Value Set is used for naming the sections used by the three CDA-documents.	YES	Technical	17	17
34	1.3.6.1.4.1.12559.11.10.1.3.1.42.13	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS34_epSOSSeverity	Allergy Display Name	The Value Set is used for all Problems and Allergies in the Patient Summary to indicate the severity of the problem (or Allergy)	YES	Medical	7	7
35	1.3.6.1.4.1.12559.11.10.1.3.1.42.14	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS35_epSOSSocialHistory	Social History Observations related to: smoke, alcohol and diet.	The Value Set is used to code the different elements of the patient's social history	YES	Technical	8	8
36	1.3.6.1.4.1.12559.11.10.1.3.1.42.15	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS36_epSOSstatusCode	Used in certain entries - see description	The Value Set is used to encode the clinical status of both problems and concerns within the Patient Summary document	YES	Technical	8	8
37	1.3.6.1.4.1.12559.11.10.1.3.1.42.40	HL7:TelecommunicationAddressUse	2.16.840.1.113883.5.1119	June 2009	VS37_HL7:TelecommunicationAddressUse	Part of the description of the telecommunication description.	The Value Set is used (optionally) to code the usage of a phone number, email and all telecommunications. Can be used for all phone numbers mentioned in the three CDA-documents.	YES --it is an attribute of the element <telecom> that will be interpreted by the stylesheet for rendering in local display. This element is never displayed as such.	Technical	8	8
38	1.3.6.1.4.1.12559.11.10.1.3.1.42.41	HL7:TimingEvent	2.16.840.1.113883.5.139	June 2009	VS38_HL7: TimingEvent	Instructions for Dispenser/Patient	The Value Set is used (optionally) to encode the frequency of intake of medications in the Medication Summary as well as the Prescription.	YES	Technical	17	17
39	1.3.6.1.4.1.12559.11.10.1.3.1.42.16	UCUM	2.16.840.1.113883.6.8	2005	VS39_epSOSUnits	1)Frequency of intakes 2)Duration of treatment	The Value Set is used to provide values with an international unit codification to quantify it.	YES -- Not sure this value set should need any translation, since it contains international unit notation. Actually, code should be used as it is, for display purposes.	Technical	76	76
40	1.3.6.1.4.1.12559.11.10.1.3.1.42.17	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS40_epSOSUnknownInformation	Allergies, Problems, Medications, ...?	The Value Set is used when information about a problem or allergy is unknown or where there are no problems or allergies. This element is actually used to confirm explicitly the absence of information.	YES	Medical	7	7
41	1.3.6.1.4.1.12559.11.10.1.3.1.42.42	HL7:URL Scheme	2.16.840.1.113883.5.143	June 2009	VS41_HL7:URL Scheme	Not used by a coded element - technical value set	The Value Set is used (in this very case) to make the distinction between telephone numbers and e-mails in contact information for all roles involved. Also for coding any other forms of communication.	NO but the description needs to be understood by the implementers.	Technical	10	10
42	1.3.6.1.4.1.12559.11.10.1.3.1.42.28	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS42_epSOSVaccine	Vaccinations	The Value Set is used to identify the patient's vaccinations in the Patient Summary	YES	Medical	29	29
43	1.3.6.1.4.1.12559.11.10.1.3.1.42.43	HL7:ObservationInterpretation	2.16.840.1.113883.5.83	June 2009	VS43_ObservationInterpretation		The Value Set is used to classify the result of an observation or a measurement	NO	Technical	3	3
44	1.3.6.1.4.1.12559.11.10.1.3.1.42.44	HL7:ActSite	2.16.840.1.113883.5.1052	June 2009	VS44_ActSite		The Value Set is used to indicate the body location of a measurement.	NO	Technical	2	2
45	1.3.6.1.4.1.12559.11.10.1.3.1.42.45	Snomed CT	2.16.840.1.113883.6.96	July 2009	VS45_MedicalEquipment		The Value Set is used to identify the medical equipment used in various observations or procedures	NO	Medical	2	2