Health & Care Information Model: nl.zorg.Alert-v3.3

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Nictiz

Better health through better information

Content

1. nl.zorg.Alert-v3.3

DCM::CoderList	Kerngroep Registratie aan de Bron
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::CreationDate	15-12-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.8.3
DCM::KeywordList	alerts, alert, waarschuwing
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Alert
DCM::PublicationDate	26-02-2019
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	31-12-2017
DCM::Superseeds	nl.zorg.Alert-v3.2
DCM::Version	3.3
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (01-04-2015)
Bevat: ZIB-109, ZIB-132, ZIB-203, ZIB-204, ZIB-306, ZIB-308, ZIB-352.

Incl. algemene wijzigingsverzoeken:
ZIB-94, ZIB-154, ZIB-200, ZIB-201, ZIB-309, ZIB-324, ZIB-326.

Publicatieversie 3.0 (01-05-2016)
Bevat: ZIB-438, ZIB-453, ZIB-574.

Publicatieversie 3.1 (04-09-2017)
Bevat: ZIB-546.

Publicatieversie 3.2 (31-12-2017)
Bevat: ZIB-593.

Publicatieversie 3.3 (26-02-2019)
Bevat: ZIB-682.

1.2 Concept

An alert describes a clinical or administrative fact brought to the attention of the users of the clinical systems to be taken into account when shaping diagnostic and therapeutic policy or in dealing with the patient, usually because of a safety risk.
Disorders that describe the body's sensitivity to a substance which results in a specific physiological reaction after being exposed to that substance are referred to as allergies. These are described in a separate

information model.

Warnings for non-allergic disorders can concern:

- A disorder (condition or diagnosis which can be considered as a contraindication for the use of groups of medication or undergoing a certain type of therapy), such as pregnancy or long QT syndrome;
- Impaired functioning of an organ system (heart failure, impaired liver or kidney function, weakened immune system);
- Risk of spreading certain microorganisms (multi-resistant bacteria, tubercle bacilli, HIV, HBV, Ebola virus);
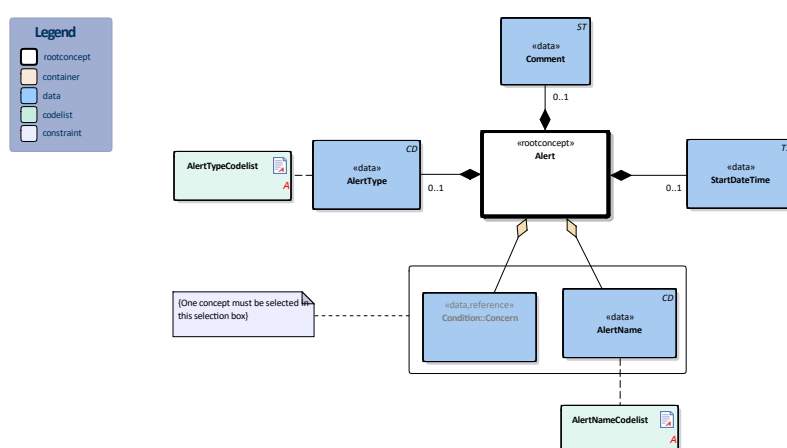- Other risks

1.3 Mindmap

1.4 Purpose

Documenting and entering disorders or conditions that require attention is an important part of medical registration. It concerns the core of patient safety. In the execution of research and treatment, these patient characteristics - which are marked as a warning - constantly have to be taken into account. They provide information that is important for the patient's condition and the options a healthcare provider has for therapy. Disorders that are registered or transferred as an Alert can also be described as a Problem. The difference is in the fact that the healthcare provider considers the problem as an Alert = warning. In many cases, transfer will be subject to strict privacy rules, as the warning will not always elicit an adequate reaction in the informed environment.

1.5 Patient Population

1.6 Evidence Base

1.7 Information Model

«rootconcept»	Alert
Definitie	Root concept of the Alert information model. This root concept contains all data elements of the Alert information model.
Datatype	
DCM::ConceptId	NL-CM:8.3.1
Opties	

«data»	Condition::Concern	
Definitie	The patient's health problem or condition that is the subject of the alert. This could involve a patient's problem, condition or diagnosis that is seen as a contraindication in prescribing medication or which has to be taken into account when shaping diagnostic and therapeutic policy. This can be in the patient's own interest, or it can involve a problem or disorder that can make the patient a risk to their surroundings, such as an infection hazard. These are references to conditions included on the patient's problem list. If there is a contraindication, the code system G-Standard Contraindications (Table 40) from the ProblemNameCodeList of the Problem information model should be used.	
Datatype		
DCM::ConceptId	NL-CM:8.3.3	
DCM::ExampleValue	VERMINDERDE NIERFUNCTIE	
DCM::ReferencedConceptId	NL-CM:5.1.1	This is a reference to the rootconcept of information model Problem.
Opties		

«data»	AlertName	
Definitie	A warning, other than a condition or problem. For example, a patient can be given an 'Aggressive patient' alert. The warning can be entered in code (there are codes for frequently used alerts), but seeing the dynamic nature of the warnings cf. SARS and Ebola, these alerts will often be entered as free text.	
Datatype	CD	
DCM::ConceptId	NL-CM:8.3.4	
DCM::ValueSet	AlertNameCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.8.3.2
Opties		

«data»	StartDateTime	
Definitie	The date and time at which the described condition was entered as a warning. This can be an exact date and time, or a rough indication of the date (such as only the year, or the month and the year).	
Datatype	TS	
DCM::ConceptId	NL-CM:8.3.5	
DCM::ExampleValue	09-10-2011	
Opties		

«data»	AlertType	
Definitie	Indicates the type of alert, meaning a rough description of the cause or origin of the warning.	
Datatype	CD	
DCM::ConceptId	NL-CM:8.3.6	
DCM::ExampleValue	Conditie	
DCM::ValueSet	AlertTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.8.3.1
Opties		

«data»	Comment	
Definitie	Explanatory comments to the alert that can not be expressed in any of the other elements.	
Datatype	ST	

DCM::ConceptId	NL-CM:8.3.7	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	AlertNameCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.8.3.2	
Opties		

AlertNaamCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.8.3.2	
Concept Name	**Concept Code**	**Coding System Name**	**Coding System OID**	**Description**
Infectious disease carrier	66598005	SNOMED CT	2.16.840.1.113883.6.96	Drager van besmettelijke ziekte
Methicillin resistant staphylococcus aureus carrier	432415000	SNOMED CT	2.16.840.1.113883.6.96	Drager MRSA
Carrier of vancomycin resistant enterococcus	431109006	SNOMED CT	2.16.840.1.113883.6.96	Drager VRE
Human immunodeficiency virus (HIV) carrier	699433000	SNOMED CT	2.16.840.1.113883.6.96	Drager HIV
Victim of child abuse	397940009	SNOMED CT	2.16.840.1.113883.6.96	Kindermishandeling
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

«document»	AlertTypeCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.8.3.1	
Opties		

AlertTypeCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.8.3.1	
Concept Name	**Concept Code**	**Coding System Name**	**Coding System OID**	**Description**
condition	75323-6	LOINC	2.16.840.1.113883.6.1	conditie
alert	74018-3	LOINC	2.16.840.1.113883.6.1	waarschuwing

	Legend
Definitie	
Datatype	
Opties	

1.8   Example Instances

AlertType	BegindatumTijd	Conditie
		ProbleemNaam
Conditie	15-9-2012	Zwanger

AlertType	BegindatumTijd	AlertNaam
Waarschuwing	01-06-2010	Drager MRSA

1.9 Instructions

1.10 Interpretation

1.11 Care Process

1.12 Example of the Instrument

1.13 Constraints

1.14 Issues

1.15 References

1.16 Functional Model

1.17 Traceability to other Standards

1.18 Disclaimer

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