
MedCIRCLE

Collaboration for Internet Rating, Certification, Labelling and Evaluation
of Health Information

HIDDEL request for comments proposal to CEN/TC 251

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1. Introduction

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This document was sent to workgroup II (Terminology and knowledge bases) of CEN/TC 251 (the technical committee 251 of the European Committee for Standardization). Workgroup II aims at the semantic organisation of information so as to make practical use of it in the domains of healthcare informatics. The actual work items focus on interrelationships of concepts and on structures for concepts systems.

The contents of this document were discussed first at a meeting on 14 and 15 November 2002 Paris in the context of the Metaknow work item which is the responsibility of Anders Thurin, our liaison to the work group. The Metaknow work item addresses metadata in health informatics, more precisely, metadata as clinical knowledge resources.

With this document, HIDDEL was fed in the standardization process of CEN.

2. Structure of document

The document summarizes the definitions for the level 1 HIDDEL (Health Information Disclosure, Description, and Evaluation Language) metadata elements. These definitions will be officially known as Version 1.0.

The structure of this document is borrowed from the Dublin Core metadata element set reference description. The definitions utilise a formal standard for the description of metadata elements. This formalisation helps to improve consistency with other metadata communities and enhances the clarity, scope, and internal consistency of the HIDDEL metadata element definitions.

Each HIDDEL element is defined using a set of ten attributes from the ISO/IEC 11179 [[ISO11179](#)] standard for the description of data elements. These include:

- **Name** - The label assigned to the data element
- **Identifier** - The unique identifier assigned to the data element
- **Version** - The version of the data element
- **Registration Authority** - The entity authorised to register the data element
- **Language** - The language in which the data element is specified
- **Definition** - A statement that clearly represents the concept and essential nature of the data element
- **Obligation** - Indicates if the data element is required to always or sometimes be present (contain a value)
- **Datatype** - Indicates the type of data that can be represented in the value of the data element
- **Maximum Occurrence** - Indicates any limit to the repeatability of the data element
- **Comment** - A remark concerning the application of the data element

Fortunately, four of the above ten attributes are common to all the HIDDEL elements. These are, with their respective values:

Version:	1.0
Registration Authority:	MedCIRCLE consortium
Language:	en
Obligation:	Optional

The above attributes will not be repeated in the below definitions, however, they do represent part of the formal element definitions.

The definitions provided here include both the conceptual and representational form of the HIDDEL elements. The Definition attribute captures the semantic concept and the Datatype and Comment attributes capture the data representation.

In the MedCIRCLE project, three levels of certification are defined:

- Level 1 means that the health information provider has provided the element,
- Level 2 means that a non-medical expert has reviewed the site and ascertained that the Level 1 metadata provided is correct, and
- Level 3 means that a medical expert has provided an opinion.

In principle, the Level 1 metadata can be provided not only by the health information provider but also by third party organizations, at least part of the metadata can be collected. Then, this data is automatically approved regarding Level 2.

This document only describes Level 1 metadata regardless if it was obtained by third party organizations or provided by the health information provider.

Each HIDDEL definition refers to the resource being described. A resource is defined in [\[RFC2396\]](#) as "anything that has identity". For the purposes of Dublin Core metadata, a resource will typically be an information or service resource, but may be applied more broadly.

Up-to-date information can be found at <http://www.hiddel.org> and <http://www.medcircle.org>.

3. Element descriptions

3.1.1 Element: aboutFeedback

Name: URL to feedback mechanisms Version: 1.0
Identifier: aboutFeedback
Definition: URL of the page where users can find feedback mechanisms such as email addresses of the health information provider
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.2 Element: feedbackType

Name: Type of feedback Version: 1.0
Identifier: feedbackType
Definition: Description of feedback mechanisms with controlled vocabulary. Information providers should describe feedback mechanisms and answering policy explicitly on the website (cf. aboutFeedback)
Comment:
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
Email | Phone | Fax | Mail | Webform | Other

3.1.3 Element: feedbackAddress

Name: Feedback address Version: 1.0
Identifier: feedbackAddress
Definition: The postal address of the health information provider to which users can give feedback, (e.g. customer service department).
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.4 Element: contentRelatedEmailAddress

Name: Content related E-Mail Address Version: 1.0
Identifier: contentRelatedEmailAddress
Definition: The feedback e-mail address for content issues.
Comment:
Data type: E-Mail-Address
Maximum occurrence:
Possible values:

3.1.5 Element: response

Name: Response Version: 1.0
Identifier: response
Definition: Specifies whether the health information provider answers all email / feedback form inquiries.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
Yes, all are answered individually | Yes, if asked for reply | Not all, but most (>50%) are answered individually | Not all, but some (<50%) are answered | None are answered

3.1.6 Element: responseSpeed

Name: Response speed Version: 1.0
Identifier: responseSpeed
Definition: The maximum response time (in working days) to an email / feedback form inquiry.
Comment:
Data type: Integer
Maximum occurrence:
Possible values:

3.1.7 Element: technicalEmailAddress

Name: E-Mail address for technical feedback Version: 1.0
Identifier: technicalEmailAddress
Definition: The feedback email address for technical issues concerning the website.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.8 Element: feedbackFormUrl

Name: URL of the feedback form Version: 1.0
Identifier: feedbackFormUrl
Definition: The URL of a feedback form for general inquiries, if available.
Comment:
Data type: URL
Maximum occurrence:
Possible values:
Free text [URL with form]

3.1.9 Element: feedbackPhoneNumber

Name: Phone number for feedback Version: 1.0
Identifier: feedbackPhoneNumber
Definition: The phone number for general feedback on the site.
Comment:
Data type: String
Maximum occurrence:
Possible values:
Free text [Valid Phone Number]

3.1.10 Element: publisherAddress

Name: Publisher address Version: 1.0
Identifier: publisherAddress
Definition: The postal address suitable for administrative contacts.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.11 Element: aboutPublisher

Name: URL to publisher description Version: 1.0
Identifier: aboutPublisher
Definition: URL of the webpage disclosing the owner of the site
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.12 Element: publisher

Name: Publisher Version: 1.0
Identifier: publisher
Definition: The publisher, i.e. the entity responsible for making the resource available (owner of the site).
Comment: Dublin Core
Data type: String
Maximum occurrence:
Possible values:

3.1.13 Element: publisherType

Name: Publisher type Version: 1.0
Identifier: publisherType
Definition: The type of information provider the health information provider belongs to.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:

Private individual | Federal and national government organisations | Local or regional government, townships and communities | Healthcare Service Providers (hospitals, doctors) | Healthcare Financing Organisation (insurance company, Health Maintenance Organisation) | Universities and higher educational institutions | Other educational institutions and schools | Research and/or development institution | Scientific or professional body or association | Other not-for-profit organisation | Patient organisation and self-support groups | Religious groups and churches | Philosophical groups and movements | Political parties | Media and publishers | Pharmaceutical company | Retailer of pharmaceuticals | Other commercial company | Other

3.1.14 Element: employees

Name: Working country of employees Version: 1.0
Identifier: employees
Definition: This element specifies the country most employees are working in.
Comment: ISO 3166 country code
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
ISO 3166 country code

3.1.15 Element: legalEntity

Name: Home country of legal entity Version: 1.0
Identifier: legalEntity
Definition: The country in which the information provider / owner of the site is a legal (registered) entity.
Comment: ISO 3166 country code
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
ISO 3166 country code

3.1.16 Element: serverLocations

Name: Server locations Version: 1.0
Identifier: serverLocations
Definition: The countries where the servers are located.
Comment: ISO 3166 country code.
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
ISO 3166 country code

3.1.17 Element: nameOfCQO

Name: Name of Chief Quality Officer Version: 1.0
Identifier: nameOfCQO
Definition: The name of the person responsible for the quality of the web site
(editor-in-chief, chief quality officer or equivalent)
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.18 Element: qualificationOfCQO

Name: Qualification of Chief Quality Officer Version: 1.0
Identifier: qualificationOfCQO
Definition: The qualification / training of the Chief Quality Officer.
Comment:
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
Medical doctor | other health related degree | journalism degree |
MedCERTAIN training course | Internet Healthcare coalition training
course

3.1.19 Element: waiComplianceClaimed

Name: WAI compliance claimed Version: 1.0
Identifier: waiComplianceClaimed
Definition: Specifies whether the health information provider strives for and
claims that the site is WAI compliant.
Comment: see <http://www.w3c.org/wai/>
Data type: Boolean
Maximum occurrence:
Possible values:
Yes | No

3.1.20 Element: waiComplianceLevel

Name: WAI compliance level Version: 1.0
Identifier: waiComplianceLevel
Definition: The level on which the resource is WCAG (WAI) compliant.
Comment: see <http://www.w3c.org/wai/>
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
Non-conformant (failed) | Conformance level A passed | Conformance
level "double A" passed | Conformance level "triple A" passed

3.1.21 Element: wayOfShowingCurrentness

Name: Way of showing currentness Version: 1.0
Identifier: wayOfShowingCurrentness
Definition: Description of how users can determine when content was created,
issued (=posted), last reviewed and modified/reviewed.
Comment:
Data type: String
Maximum occurrence:
Possible values:
Free text (e.g. at the bottom of each page and with Dublin Core
Metadata, or for example the URL containing the dates for the whole
site)

3.1.22 Element: launchDate

Name: Launch date Version: 1.0
Identifier: launchDate
Definition: Date of when the web site was launched (material published for the first time).
Comment: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datettime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>
Data type: Date
Maximum occurrence:
Possible values: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datettime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>

3.1.23 Element: creationDate

Name: Creation date of content Version: 1.0
Identifier: creationDate
Definition: This element describes when the content was created.
Comment: Dublin Core. More suitable to be provided on a page level as metadata and explicit human-readable information.
Data type: DC.Date
Maximum occurrence:
Possible values: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datettime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>

3.1.24 Element: publishingDate

Name: Publishing date Version: 1.0
Identifier: publishingDate
Definition: Dated when the content was published.
Comment: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datettime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>
Data type: Date
Maximum occurrence:
Possible values: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datettime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>

3.1.25 Element: lastModificationDate

Name: Date of last modification Version: 1.0
Identifier: lastModificationDate
Definition: The date when the resource was last modified (including minor changes such as correcting spelling errors or changes in layout).
Comment: Dublin Core. W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datettime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>. "Modified" here means any alteration of the resource, including minor changes such as corrections of punctuation, spelling errors, layout changes.
Data type: Date
Maximum occurrence:
Possible values: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datettime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>

3.1.26 Element: rangeOfValidity

Name: Range of validity Version: 1.0
Identifier: rangeOfValidity
Definition: The range of validity of the resource.
Comment: Dublin Core. W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datetime> or DCMI Period <http://purl.org/dc/documents/dcmi-period>
Data type: Date
Maximum occurrence:
Possible values:
W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datetime> or
DCMI Period <http://purl.org/dc/documents/dcmi-period>

3.1.27 Element: lastReviewDate

Name: Date of last review Version: 1.0
Identifier: lastReviewDate
Definition: Date of when the content was last reviewed.
Comment: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datetime> or
DCMI Period <http://purl.org/dc/documents/dcmi-period>
Data type: Date
Maximum occurrence:
Possible values:
W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datetime> or
DCMI Period <http://purl.org/dc/documents/dcmi-period>

3.1.28 Element: reviewFrequency

Name: Review frequency Version: 1.0
Identifier: reviewFrequency
Definition: Description of how often the content of the site is reviewed for the need to update/revise.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.29 Element: lastMajorRevisionDate

Name: Date of last major revision Version: 1.0
Identifier: lastMajorRevisionDate
Definition: The date when the content was last revised substantially (i.e. beyond correcting spelling errors or changes in layout).
Comment: W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datetime> or
DCMI Period <http://purl.org/dc/documents/dcmi-period>
Data type: Date
Maximum occurrence:
Possible values:
W3C-DTF (based on ISO 8601) <http://www.w3.org/TR/NOTE-datetime> or
DCMI Period <http://purl.org/dc/documents/dcmi-period>

3.1.30 Element: contributor

Name: Contributor Version: 1.0
Identifier: contributor
Definition: This element describes, what entities (persons, organisations, institutions) are making contributions to the content of the resource.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.31 Element: creator

Name: Creator Version: 1.0
 Identifier: creator
 Definition: This element describes the entity (company, person, organisation, institution) primarily responsible for making the content of the resource. Name of the information provider.
 Comment: Dublin Core.
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.32 Element: language

Name: Language Version: 1.0
 Identifier: language
 Definition: The language the resource is in.
 Comment: Dublin Core. ISO 639-2 / RFC 1766. Language codes see <http://lcweb.loc.gov/standards/iso639-2/langhome.html> and <http://www.ietf.org/rfc/rfc1766.txt>
 Data type: Controlled vocabulary
 Maximum occurrence:
 Possible values:
 ISO 639-2 / RFC 1766

3.1.33 Element: aimDescription

Name: Description of aim Version: 1.0
 Identifier: aimDescription
 Definition: Description of the aim / purpose of the website as described by the health information provider.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.34 Element: aimCategoryOfWebsite

Name: Aim category of website Version: 1.0
 Identifier: aimCategoryOfWebsite
 Definition: Description of the aim / purpose of the website selected from a given list of controlled terms.
 Comment:
 Data type: Controlled Vocabulary
 Maximum occurrence:
 Possible values:
 Educational information etc (balanced, unbiased, evidence based information), e.g. designed to enable evidence-based choice | Promotional or one-sided information (product information, service information, opinion based/experience based information, biased) , designed to influence public opinion into one specific direction | Both educational and promotional on the site (requires clear separation) | Support Groups

3.1.35 Element: studyConducted

Name: Study conducted Version: 1.0
 Identifier: studyConducted
 Definition: Specifies whether studies were conducted which provide evidence that the stated aim has been reached.
 Comment:
 Data type: Boolean
 Maximum occurrence:
 Possible values:
 Yes | No

3.1.36 Element: targetAudience

Name: Target audience Version: 1.0
Identifier: targetAudience
Definition: Main target audience of the resource.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
Unknown / unstated | kids patients or consumers | adult patients or consumers | paramedics/nurses/other health professionals | medical student | physician/GP | physician/specialist | researcher

3.1.37 Element: contentRestricted

Name: Content restricted Version: 1.0
Identifier: contentRestricted
Definition: This element states if the health information providers's content is appropriate for other audiences or restricted to the ones given in element targetAudience.
Comment:
Data type: Boolean
Maximum occurrence:
Possible values:
Yes | No

3.1.38 Element: designedForGender

Name: Content designed for gender Version: 1.0
Identifier: designedForGender
Definition: This element specifies whether the health information provider designed the content for a specific gender.
Comment:
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
Male | Female | Both | Not-specified

3.1.39 Element: designedForAgeGroup

Name: Content descigned for specific age group Version: 1.0
Identifier: designedForAgeGroup
Definition: This element specifies whether the content is relevant to a specific age group.
Comment:
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
Infant, Newborn (to 1 month) | Infant (1 to 23 months) | Child (2 to 12 years) | Adolescent (13 to 18 years) | Adult (19 to 44 years) | Middle Age (45 to 64 years) | Aged (65 to 79 years) | Aged, 80 and over | All

3.1.40 Element: spatialCoverage

Name: Spatial coverage Version: 1.0
 Identifier: spatialCoverage
 Definition: Countries or geographical region the information on the site mainly is targeting.
 Comment: Dublin Core. ISO 3166 country code plus geographic regions.
 Data type: Controlled vocabulary
 Maximum occurrence:
 Possible values:
 ISO 3166 country code | non country specific | North America | Central America | Caribbean | South America - Andean Region | South America | North Africa | West Africa | West Central Africa | East Central Africa | Southern Africa | Northern Europe | Western Europe | Central Europe | Eastern Europe | Middle East | West Asia | South East Asia | North East Asia | Pacific Area | Antarctica

3.1.41 Element: evidenceLevel

Name: Levels of evidence Version: 1.0
 Identifier: evidenceLevel
 Definition: Evidence levels on which information of the health information provider is based primarily.
 Comment:
 Data type: Controlled vocabulary
 Maximum occurrence:
 Possible values:
 Systematic reviews/Guidelines | Randomized controlled trials | Non-randomized controlled trials | Cohort study/observational study | Multiple time series | Descriptive studies, case reports, testimonials | "expert" committee opinions | Mixed

3.1.42 Element: howToRecognizeEvidenceLevel

Name: How to recognize evidence level Version: 1.0
 Identifier: howToRecognizeEvidenceLevel
 Definition: Description of how users can recognize the level of evidence.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.43 Element: thirdPartyMaterialContained

Name: Third party material contained Version: 1.0
 Identifier: thirdPartyMaterialContained
 Definition: Specifies whether the site contains any material produced by third parties (i.e., by others than the site owner)
 Comment:
 Data type: Boolean
 Maximum occurrence:
 Possible values:
 Yes | No

3.1.44 Element: howToRecognizeThirdPartyMaterial

Name: How to recognize third party material Version: 1.0
 Identifier: howToRecognizeThirdPartyMaterial
 Definition: Description of how can the user recognise third-party material.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.45 Element: aboutThirdPartyInformation

Name: URL to description of third parties Version: 1.0
Identifier: aboutThirdPartyInformation
Definition: URL of the sources (name of companies or individuals) of third-party material
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.46 Element: howToDistinguishThirdPartyMaterial

Name: How to distinguish third party material Version: 1.0
Identifier: howToDistinguishThirdPartyMaterial
Definition: Description of how the user can recognise third-party material (distinguish it from material produced by the information provider).
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.47 Element: meshTerm

Name: MeSH terms Version: 1.0
Identifier: meshTerm
Definition: The subject(s) covered by the resource, expressed with MeSH terms.
Comment:
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
Medical Subject Headings

3.1.48 Element: generalSubjectDescription

Name: Version: 1.0
Identifier: generalSubjectDescription
Definition: The subjects covered by the resource. Free additional keywords which are not in UMLS.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.49 Element: subjectSpecialty

Name: Subject specialty of resource Version: 1.0
Identifier: subjectSpecialty
Definition: Specialty covered by the resource, expressed by broad specialty
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
[see rater application form on MedCERTAIN for controlled vocabulary]

3.1.50 Element: umlsUniqueConceptIdentifier

Name: UMLS unique concept identifier Version: 1.0
Identifier: umlsUniqueConceptIdentifier
Definition: Subject(s) covered by the resource, expressed with UMLS CUIs (unique concept identifiers).
Comment: Unified Medical Language System CUIs (Unique Concept Identifiers).
Data type: String
Maximum occurrence:
Possible values:
Unified Medical Language System CUIs (Unique Concept Identifiers)

3.1.51 Element: dublinCoreContentType

Name: Type of content regarding Dublin Core Version: 1.0
Identifier: dublinCoreContentType
Definition: This element specifies the (Dublin Core) type of content the health information provider offers.
Comment: Dublin Core
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
Collection | Dataset | Event | Image | Interactive Resource |
Service | Software | Sound | Text

3.1.52 Element: hiddelContentType

Name: Content type (HIDDEL) Version: 1.0
Identifier: hiddelContentType
Definition: Kind of content described with HIDDEL vocabulary.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
Metainformation about other resources (catalog, reviewing service,
gateway, search engine) | Product information, service description |
Patient information | Clinical trial recruitment pages | Scientific
/ scholarly information, papers, research reports, abstracts

3.1.53 Element: mcmContentType

Name: Content type (MCM) Version: 1.0
Identifier: mcmContentType
Definition: Kind of content, described with the "Medical Core Metadata"
vocabulary.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
meeting | directory | abstract | homepage | news | cases | images |
review | study | procedure | educational material | video | audio |
database | textbook | FAQ | Software | Patient education | Forums

3.1.54 Element: biasDisclosure

Name: Dislosure of bias Version: 1.0
Identifier: biasDisclosure
Definition: If there are any biases or wilful omissions, the health information
provider discloses them here (e.g "Site focuses on alternative
medicine and does not discuss evidence based treatments")
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.55 Element: conflictsOfInterest

Name: Conflicts of interest Version: 1.0
Identifier: conflictsOfInterest
Definition: This element states if the health information provider has any
conflicts of interest.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.56 Element: aboutConflictsOfInterest

Name: URL to conflict of interest description Version: 1.0
Identifier: aboutConflictsOfInterest
Definition: URL where the health information provider discloses his/her conflicts of interest
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.57 Element: aboutFundingSource

Name: URL to funding source description Version: 1.0
Identifier: aboutFundingSource
Definition: URL to a listing of all sponsors and funding sources of the site
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.58 Element: fundingSource

Name: Funding source Version: 1.0
Identifier: fundingSource
Definition: The primary sources of funding / financing the site.
Comment:
Data type: String
Maximum occurrence:
Possible values:
Public Funding (e.g. research grants, taxpayers money) | Donated money | Private money (donated) | Advertising | Sponsorship from pharmaceutical company | Sponsorship from health-related companies | Sponsorship from other for-profit organisations | Sponsorship from not-for-profit institution(s) | Venture Capital | Subscription / Membership Fees | Selling products and services | None | (other)

3.1.59 Element: aboutSponsorInfluence

Name: URL to description of sponsors' influence Version: 1.0
Identifier: aboutSponsorInfluence
Definition: URL of the page describing to what extent and how the sponsor and funding sources are involved in selecting or preparing health information content
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.60 Element: aboutRisks

Name: URL to risk descriptions Version: 1.0
Identifier: aboutRisks
Definition: URL outlining risks, if the service carries any specific risks
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.61 Element: identificationOfAuthors

Name: Identification of authors Version: 1.0
Identifier: identificationOfAuthors
Definition: Description of how can authors of the documents be identified.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.62 Element: aboutAuthors

Name: URL to author information Version: 1.0
Identifier: aboutAuthors
Definition: URL to information on the identities and affiliations of the authors
Comment:
Data type:
Maximum occurrence:
Possible values:

3.1.63 Element: proofOfQualification

Name: Proof of qualification Version: 1.0
Identifier: proofOfQualification
Definition: Description of how the user can recognize the qualification / training of the authors.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.64 Element: aboutAuthorQualification

Name: URL to author qualification description Version: 1.0
Identifier: aboutAuthorQualification
Definition: URL where readers can learn about the qualification / training of the authors
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.65 Element: resourceTitle

Name: Resource title Version: 1.0
Identifier: resourceTitle
Definition: The title of the resource.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.66 Element: boundary

Name: Boundaries of website Version: 1.0
Identifier: boundary
Definition: This element describes how the user knows whether content is still part of the health information provider's site (and whether he/she is leaving the site).
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.67 Element: numberOfPages

Name: Number of web pages Version: 1.0
Identifier: numberOfPages
Definition: The approximate number of web pages of the resource.
Comment:
Data type: Integer
Maximum occurrence:
Possible values:

3.1.68 Element: homepage

Name: Homepage Version: 1.0
Identifier: homepage
Definition: The starting URL (homepage) of the health information provider's resource.
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.69 Element: subcontractedURLs

Name: Subcontracted URLs Version: 1.0
Identifier: subcontractedURLs
Definition: URLs on the health information provider's server or subdirectories under the start page (e.G., shop.yourdomain.com) that are not part of the site.
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.70 Element: howToRecognizeAdvertising

Name: How to recognize advertising Version: 1.0
Identifier: howToRecognizeAdvertising
Definition: Description of how the user of the site can identify advertising and commercially sponsored information.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.71 Element: advertisingContained

Name: Advertising on website Version: 1.0
Identifier: advertisingContained
Definition: This data element states whether the site contains advertising or commercially sponsored information
Comment:
Data type: Boolean
Maximum occurrence:
Possible values:
Yes | No

3.1.72 Element: aboutAdvertisingPolicy

Name: URL to advertising policy description Version: 1.0
Identifier: aboutAdvertisingPolicy
Definition: URL to the advertising / sponsorship policy of the health information provider
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.73 Element: advertisingControl

Name: Control over advertising on website Version: 1.0
Identifier: advertisingControl
Definition: This element states if the health information provider has full control over the advertisings displayed on the website?
Comment: The answer must be "no", if the health information provider uses banner advertising networks
Data type: Boolean
Maximum occurrence:
Possible values: Yes | No

3.1.74 Element: advertisingTarget

Name: Advertising target Version: 1.0
Identifier: advertisingTarget
Definition: This element states if the site targets advertising or sponsored health information content to consumers based on information about them or their use of the site.
Comment: Disclosure is required, but no sanctions if "yes".
Data type: Boolean
Maximum occurrence:
Possible values: Yes | No

3.1.75 Element: subscribedPolicies

Name: Subscribed policies Version: 1.0
Identifier: subscribedPolicies
Definition: Self-regulation initiatives / ethical codes the health information provider subscribed to.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values: None | Own published code (URL?) | HON | eHealth Ethics Initiative | AMA | Hi-Ethics | (other)

3.1.76 Element: aboutOwnEthicalPolicy

Name: URL to ethical policy description Version: 1.0
Identifier: aboutOwnEthicalPolicy
Definition: URL to the (health information provider's own or generic) ethical code
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.77 Element: howToCheckCodeSubscription

Name: Description of code subscription check process Version: 1.0
Identifier: howToCheckCodeSubscription
Definition: ID or the URL which allow visitors to check the status of the health informatino provider's subscription to any of the codes listed under "subscribedPolicies" ? (URL may be on a third party site, e.g. HON incorporating the health information provider's ID, or on the health information provider's own site, specifying the health information provider's own ethical guidelines).
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.78 Element: aboutHumanReadablePrivacyPolicy

Name: URL to privacy disclaimer Version: 1.0
Identifier: aboutHumanReadablePrivacyPolicy
Definition: URL to the human readable privacy statement
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.79 Element: p3pAvailable

Name: P3P available Version: 1.0
Identifier: p3pAvailable
Definition: This element states if a machine readable policy statement (P3P) is provided.
Comment:
Data type: Boolean
Maximum occurrence:
Possible values:
Yes | No

3.1.80 Element: p3pFileLocation

Name: Location of P3P file Version: 1.0
Identifier: p3pFileLocation
Definition: The location of the P3P policy file (usually located at /w3c/p3p.xml).
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.81 Element: privacyPolicyDescription

Name: Description of privacy policy Version: 1.0
Identifier: privacyPolicyDescription
Definition: Description of how confidentiality or anonymity of end-users is protected (e.g., encryption security).
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.82 Element: evaluationProgram

Name: Evaluation program Version: 1.0
Identifier: evaluationProgram
Definition: Other third-party evaluation programs (apart from MedCIRCLE) the site is a subscriber of.
Comment:
Data type: Controlled Vocabulary
Maximum occurrence:
Possible values:
None | eTRUST | VIPPS | URAC | TNO | ISO9000 | (other)

3.1.83 Element: aboutEvaluationProgram

Name: URL to description of other evaluation programs Version: 1.0
 Identifier: aboutEvaluationProgram
 Definition: ID or the URL which allows visitors to check the status of the license of the health information provider to any of the programs listed under "evalutationProgram" ? (URL may be on a third party site, e.g. eTRUST incorporating the health information provider's ID)
 Comment:
 Data type: URL
 Maximum occurrence:
 Possible values:

3.1.84 Element: qmProdecuresDescription

Name: Description of quality management procedures Version: 1.0
 Identifier: qmProdecuresDescription
 Definition: Description of the principle ways of the health information provider to assure and continuously improve quality.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.85 Element: qmProcedures

Name: Quality management procedures Version: 1.0
 Identifier: qmProcedures
 Definition: The principle ways of the health information provider to assure and continuously improve quality.
 Comment:
 Data type: Controlled vocabulary
 Maximum occurrence:
 Possible values:
 none | reader (comments, feedback) | editorial process | peer-review
 | internal quality manual | internal quality audits

3.1.86 Element: aboutQMPProcedures

Name: URL to description of quality management procedures Ver-
 sion: 1.0
 Identifier: aboutQMPProcedures
 Definition: URL explaining the internal quality management procedures of the health information provider
 Comment:
 Data type: URL
 Maximum occurrence:
 Possible values:

3.1.87 Element: formativeEvaluationProcessDescription

Name: Description of formative evaluation process Version: 1.0
 Identifier: formativeEvaluationProcessDescription
 Definition: Description of the formative evaluation process of the health information providers application, if applicable.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.88 Element: formativeEvaluationReferences

Name: Rerferences to formative evaluation results Version: 1.0
 Identifier: formativeEvaluationReferences
 Definition: The references to the results of the formative evaluation of the health information provider if they were published in the peer-reviewed literature.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.89 Element: outcomeEvaluationMeasure

Name: Outcome evaluation measure Version: 1.0
 Identifier: outcomeEvaluationMeasure
 Definition: Outcomes that have been formally evaluated.
 Comment: Controlled vocabulary from <http://oncology.medscape.com/SCP/DBT/1995/v07.n09/d161.toscani/d161.toscani.html> (amended)
 Data type: Controlled vocabulary
 Maximum occurrence:
 Possible values:
 Changes in health status (clinical outcome) | Early recognition of deterioration in condition | Tolerance of side effects | Adherence to medication regimen | Aherence to follow-up | Adherence to lifestyle recommendations | Application of coping strategies | Health-related quality of life | Self-efficacy | Treatment expectations | User satisfaction usability of application | Changes in user knowledge | Changes in user attitudes | Changes in health behaviors | Physician-patient communication | Frequency of health care interaction | Cost of health care | Number of physician visits/telephone contacts | Appropriateness of physician visits/telephone contacts | Hospitalizations | Utilization of health care services

3.1.90 Element: outcomeEvaluationMethodDescription

Name: Description of outcome evaluation method Version: 1.0
 Identifier: outcomeEvaluationMethodDescription
 Definition: Description of how outcomes have been evaluated.
 Comment: From <http://www.scipich.org/template/evalintro.htm> Outcome evaluation is used to examine an intervention's ability to achieve its intended results under ideal conditions (i.e., efficacy) or under real world circumstances (i.e., effectiveness), and also its ability to produce benefits in relation to its costs (i.e., efficiency or cost-effectiveness). This helps developers learn whether the application is successful at achieving its goals and objectives, and is performed after the implementation of the application.
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.91 Element: outcomeEvaluationMethod

Name: Outcome evaluation method Version: 1.0
 Identifier: outcomeEvaluationMethod
 Definition: The method of outcome evaluation.
 Comment: See US Preventive Services Task Force <http://www.scipich.org/template/footnote3.htm>
 Data type: Controlled vocabulary
 Maximum occurrence:
 Possible values:
 Randomized controlled trials | Non-randomized controlled trials | Cohort study/observational study | Multiple time series | Descriptive studies, case reports, testimonials | "expert" committee opinions

3.1.92 Element: outcomeEvaluationReferences

Name: References to outcome evaluations Version: 1.0
 Identifier: outcomeEvaluationReferences
 Definition: The references to the results of the outcome evaluation if they have been published in the peer-reviewed literature
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.93 Element: outcomeEvaluationResults

Name: Outcome evaluation results Version: 1.0
 Identifier: outcomeEvaluationResults
 Definition: The results of the outcome evaluation.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.94 Element: processEvaluationMethodDescription

Name: Description of process evaluation method Version: 1.0
 Identifier: processEvaluationMethodDescription
 Definition: Description of the the process evaluation of the health information provider's application.
 Comment: From <http://www.scipich.org/template/evalintro.htm> Process evaluation is used to monitor the administrative, organizational, or other operational characteristics of an intervention. This helps developers successfully translate the design into a functional application and is performed during application development. This commonly includes testing the application for functionality and also may be known as alpha and beta testing.
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.95 Element: processEvaluationReferences

Name: Process evaluation publication Version: 1.0
 Identifier: processEvaluationReferences
 Definition: The references if the results of the process evaluation have been published in the peer-reviewed literature.
 Comment:
 Data type: String
 Maximum occurrence:
 Possible values:

3.1.96 Element: processEvaluationResults

Name: Results of process evaluation Version: 1.0
Identifier: processEvaluationResults
Definition: Description of the results of the process evaluation.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.97 Element: aboutRecommenders

Name: URL to recommender description Version: 1.0
Identifier: aboutRecommenders
Definition: URL to a page of the health information provider specifying who recommends the site. This could be, for example, a list of awards.
Comment:
Data type: URL
Maximum occurrence:
Possible values:

3.1.98 Element: recommender

Name: Recommender Version: 1.0
Identifier: recommender
Definition: The name of the recommender.
Comment:
Data type: String
Maximum occurrence:
Possible values:

3.1.99 Element: countingServiceURL

Name: URL of counting service Version: 1.0
Identifier: countingServiceURL
Definition: This element states if any independent third party measure the traffic. If so, the URL of the traffic analysis service and ID is provided.
Comment: Links to Access Counters, such as those listed at http://dir.yahoo.com/Business_and_Economy/Business_to_Business/Computers/Software/Internet/World_Wide_Web/Log_Analysis_Tools/Access_Counters/
Data type: String
Maximum occurrence: n
Possible values:

3.1.100 Element: sealClicks

Name: Number of seal clicks Version: 1.0
Identifier: sealClicks
Definition: The number of retrievals of the MedCIRCLE seal in average per day.
Comment:
Data type: Real
Maximum occurrence:
Possible values:
Real

3.1.101 Element: pageImpressions

Name: Number of page impressions Version: 1.0
Identifier: pageImpressions
Definition: The number of page impressions per day.
Comment: Helps the user to assess the popularity (which may increase trustworthiness) of the site.
Data type: Integer
Maximum occurrence:
Possible values:

3.1.102 Element: numberOfVisitors

Name: Number of visitors Version: 1.0
Identifier: numberOfVisitors
Definition: Number of unique visitors per day.
Comment:
Data type: Integer
Maximum occurrence:
Possible values:
Integer /not known

3.1.103 Element: serviceCharged

Name: Service charged Version: 1.0
Identifier: serviceCharged
Definition: Specifies whether visiting the site costs money.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
Yes | Parts of the site | No

3.1.104 Element: passwordRequired

Name: Password required Version: 1.0
Identifier: passwordRequired
Definition: This element specifies whether there are any parts of the website that are restricted / password protected (requiring registration).
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
No | Yes, restricted to health professionals | Yes, restricted to certain other audiences | Yes, restricted to freely registered users | Yes, restricted to paying subscribers or members | Yes, restricted to users from certain IP domains | Yes, restricted to other closed user groups

3.1.105 Element: serviceType

Name: Service type Version: 1.0
Identifier: serviceType
Definition: Type of service the site provides.
Comment:
Data type: Controlled vocabulary
Maximum occurrence:
Possible values:
e-content | e-care (personalized health services, e.g. Online-consultation) | e-commerce | e-community

4. References

[ISO11179] ISO 11179 - Specification and Standardization of Data Elements, Parts 1-6.

<<ftp://sdct-sunsv1.ncsl.nist.gov/x318/11179/>>

[RFC2396] Uniform Resource Identifiers (URI): Generic Syntax, Internet RFC 2396.

<<http://www.ietf.org/rfc/rfc2396.txt>>