

LexEVS 6.1 Medra Vocabulary Mapping

Contents of this Page

- [General Comments](#)
 - [MedDRA Vocabulary load source files](#)
 - [Overview](#)
- [LexGrid Objects Created](#)
 - [Root Nodes](#)
 - [Coding Scheme](#)
 - [Entities – System Organ Class \(SOC\)](#)
 - [Entities - High Level Group Term \(HLGT\)](#)
 - [Entities - High Level Term \(HLT\)](#)
 - [Entities - Preferred Term \(PT\)](#)
 - [Entities - Lower Level Term \(LLT\)](#)
 - [Entities - Standard MedDRA Query \(SMQ\)](#)
 - [Relations](#)
- [Mapping of MedDRA tables to LexGrid Coding Scheme](#)
 - [Meddra_release](#)
 - [Meddra_history_english](#)
 - [Mdhier](#)
 - [Intl_ord](#)
 - [Soc](#)
 - [Soc_hlgt](#)
 - [Hlgt](#)
 - [Hlgt_hlt](#)
 - [Hlt](#)
 - [Hlt_pt](#)
 - [Pt](#)
 - [Llt](#)
 - [Smq_list](#)
 - [Smq_content](#)
- [Error Messages](#)
 - [File expected is missing](#)
 - [Multiple files expected is missing](#)
 - [File is empty](#)
 - [File missing a data field](#)

General Comments

MedDRA Vocabulary load source files

The design and implementation of the LexEVS 6.1 MedDRA Vocabulary Loader assumes the user has access to MedDRA ASCII source files which can be purchased from: [MedDRA MSSO](#)

Overview

The current implementation of the LexEVS 6.1 MedDRA Vocabulary Loader will load all information contained within the ASCII load source files. Two root nodes are created, one for the SMQ root node and one for the SOC root node.

LexGrid Objects Created

The following describes LexGrid Objects created. Values extracted from MedDRA tables are in bold using the syntax: <tablename>.<fieldname>

Root Nodes

- SOC
- SMQ

Coding Scheme

CodingSchemeName	"MedDRA"
FormalName:	"MedDRA-16.0"
CodingSchemeURI	" http://id.nlm.nih.gov/sab/MDR "
DefaultLanguage	"en"

RepresentsVersion	medra_release.version
LocalNameAsReference	"MedDRA"
EntityDescription	"Medical Dictionary for Regulatory Activities"
Copyright	"THIS DATA IS COVERED BY A COPYRIGHT"
Hierarchy	
Hierarchy.LocalID	"is_a"
Hierarchy.AssociationName	"hasSubtype"
Hierarchy.RootCode	"@"
Hierarchy.ForwardNavigable	True

Entities – System Organ Class (SOC)

EntityCode:	soc.soc_code
EntityDescription:	soc.soc_name
isActive:	true
Presentation	
Presentation.PropertyName	"T-1"
Presentation.Value	soc.soc_name
Presentation.RepresentationalForm	"OS"
Presentation.IsPreferred	True
Property	
Property.PropertyName	"P-1"
Property.Value	intl_ord.intl_ord
Property	
Property.PropertyName	"P-2"
Property.Value	soc.soc_abbrev

Entities - High Level Group Term (HLGT)

EntityCode:	hlgt.hlgt_code
EntityDescription:	hlgt.hlgt_name
isActive:	true
Presentation	
Presentation.PropertyName	"T-1"
Presentation.Value	hlgt.hlgt_name
Presentation.RepresentationalForm	"HG"
Presentation.IsPreferred	true

Entities - High Level Term (HLT)

EntityCode	hlt.hlt_code
EntityDescription	hlt.hlt_name
isActive	true
Presentation	

Presentation.PropertyName	"T-1"
Presentation.Value	hlt.hlt_name
Presentation.RepresentationalForm	"HT"
Presentation.IsPreferred	true

Entities - Preferred Term (PT)

EntityCode	pt.pt_code
EntityDescription	pt.pt_name
isActive	true
Presentation	
Presentation.PropertyName	"T-1"
Presentation.Value	pt.pt_name
Presentation.RepresentationalForm	"PT"
Presentation.IsPreferred	true
Presentation (exists if an LLT with duplicate ID exists)	
Presentation.PropertyName	"T-2"
Presentation.Value	lft.lft_name
Presentation.RepresentationalForm	"LT"
Presentation.IsPreferred	false
Property	
Property.PropertyName	"PSOC"
Property.Value	pt.pt_soc_code

Following properties exist if PT is listed in table smq_content

Property	
Property.PropertyName	"SMQ:term level"
Property.Value	smq_content.term_level
Property	
Property.PropertyName	"SMQ:term scope"
Property.Value	smq_content.term_scope
Property	
Property.PropertyName	"SMQ:term category"
Property.Value	smq_content.term_category
Property	
Property.PropertyName	"SMQ:term weight"
Property.Value	smq_content.term_weight
Property	
Property.PropertyName	"SMQ:term status"
Property.Value	smq_content.term_status
Property	
Property.PropertyName	"SMQ:term addition version"

Property.Value	smq_content.term_addition_version
Property	
Property.PropertyName	"SMQ:term last modified version"
Property.Value	smq_content.term_last_modified_version

Entities - Lower Level Term (LLT)

EntityCode	llt.llt_code
EntityDescription	llt.llt_name
isActive	true
Presentation	
Presentation.PropertyName	"T-1"
Presentation.Value	llt.llt_name
Presentation.RepresentationalForm	"LT"
Presentation.IsPreferred	true

Following properties exist if LLT is listed in table smq_content

Property	
Property.PropertyName	"SMQ:term level"
Property.Value	smq_content.term_level
Property	
Property.PropertyName	"SMQ:term scope"
Property.Value	smq_content.term_scope
Property	
Property.PropertyName	"SMQ:term category"
Property.Value	smq_content.term_category
Property	
Property.PropertyName	"SMQ:term weight"
Property.Value	smq_content.term_weight
Property	
Property.PropertyName	"SMQ:term status"
Property.Value	smq_content.term_status
Property	
Property.PropertyName	"SMQ:term addition version"
Property.Value	smq_content.term_addition_version
Property	
Property.PropertyName	"SMQ:term last modified version"
Property.Value	smq_content.term_last_modified_version

Entities - Standard MedDRA Query (SMQ)

EntityCode	smq_list.smq_code
EntityDescription	smq_list.smq_name

isActive	True
Presentation	
Presentation.PropertyName	"T-1"
Presentation.Value	smq_list.smq_name
Presentation.RepresentationalForm	"SMQ"
Presentation.IsPreferred	true
Comment	
Comment.PropertyName	"Name"
Comment.Value	smq_list.smq_name
Comment	
Comment.PropertyName	"Code"
Comment.Value	smq_list.smq_code
Comment	
Comment.PropertyName	"Level"
Comment.Value	smq_list.smq_level
Comment	
Comment.PropertyName	"Description"
Comment.Value	smq_list.smq_description
Comment	
Comment.PropertyName	"Source"
Comment.Value	smq_list.smq_source
Comment	
Comment.PropertyName	"Note"
Comment.Value	smq_list.smq_note
Comment	
Comment.PropertyName	"MedDRA Dictionary Version"
Comment.Value	smq_list.MedDRA_version
Comment	
Comment.PropertyName	"Status"
Comment.Value	smq_list.status
Comment	
Comment.PropertyName	"Algorithm"
Comment.Value	smq_list.smq_algorithm

Relations

---	Association	Source	Target
Soc_hlgt	"hasSubtype"	soc_hlgt.soc_code	soc_hlgt.hlgt_code
Hlgt_hlt	"hasSubtype"	hlgt_hlt.hlgt_code	hlgt_hlt.hlt_code
Hlt_pt	"hasSubtype"	hlt_pt.hlt_code	hlt_pt.pt_code
Llt ¹	"hasSubtype"	llt.pt_code	llt.llt_code
Smq_content	"hasSubtype"	smq_content.smq_code	term_code ²

1. Created only if *llt_code* does not duplicate a *pt_code*
2. May be a *pt_code* or an *llt_code*

Mapping of MedDRA tables to LexGrid Coding Scheme

Meddra_release

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
meddra_release	version	CodingScheme	RepresentsVersion
Meddra_release	Language	---	---

Meddra_history_english

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Meddra_history_english	Term_code	---	---
Meddra_history_english	Term_name	---	---
Meddra_history_english	Term_addition_version	---	---
Meddra_history_english	Term_type	---	---
Meddra_history_english	Action	---	---

Mdhier

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Mdhier	Pt_code	---	---
Mdhier	Hlt_code	---	---
Mdhier	Hlgt_code	---	---
Mdhier	Soc_code	---	---
Mdhier	Pt_name	---	---
Mdhier	Hlt_name	---	---
Mdhier	Hlgt_name	---	---
Mdhier	Soc_name	---	---
Mdhier	Soc_abbrev	---	---
Mdhier	Pt_soc_code	---	---
Mdhier	Primary_soc_fg	---	---

Intl_ord

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Intl_ord	Intl_ord_code	Entity	Property.Value
Intl_ord	Soc_code		

Soc

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Soc	Soc_code	Entity	EntityCode
Soc	Soc_name	Entity	EntityDescription
		Entity	Presentation.Value
Soc	Soc_abbrev	Entity	Presentation.Value

Soc_hlgt

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Soc_hlgt	Soc_code	AssociationPredicate	AssociationSource
Soc_hlgt	Hlgt_code	AssociationPredicate	AssociationTarget

Hlgt

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Hlgt	Hlgt_code	Entity	EntityCode
Hlgt	Hlgt_name	Entity	EntityDescription
		Entity	Presentation.Value

Hlgt_hlt

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Hlgt_hlt	Hlgt_code	AssociationPredicate	AssociationSource
Hlgt_hlt	Hlt_code	AssociationPredicate	AssociationTarget

Hlt

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Hlt	Hlt_code	Entity	EntityCode
Hlt	Hlt_name	Entity	EntityDescription
		Entity	Presentation.Value

Hlt_pt

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Hlt_pt	Hlt_code	AssociationPredicate	AssociationSource
Hlt_pt	Pt_code	AssociationPredicate	AssociationTarget

Pt

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Pt	Pt_code	Entity	EntityCode
Pt	Pt_name	Entity	EntityDescription
		Entity	Presentation.Value
Pt	Pt_soc_code	Entity	Property.Value

Llt

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Llt	Llt_code	Entity	EntityCode
		AssociationPredicate	AssociationTarget
Llt	Llt_name	Entity	EntityDescription
		Entity	Presentation.Value
Llt	Pt_code	AssociationPredicate	AssociationSource
Llt	Llt_currency	---	---

Smq_list

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Smq_list	Smq_code	Entity	EntityCode
		Entity	Comment.Value
Smq_list	Smq_name	Entity	EntityDescription
		Entity	Presentation.Value
		Entity	Comment.Value
Smq_list	Smq_level	Entity	Comment.Value
Smq_list	Smq_description	Entity	Comment.Value
Smq_list	Smq_source	Entity	Comment.Value
Smq_list	Smq_note	Entity	Comment.Value
Smq_list	MedDRA_version	Entity	Comment.Value
Smq_list	Status	Entity	Comment.Value
Smq_list	Smq_algorithm	Entity	Comment.Value

Smq_content

MedDRA Table	MedDRA field	LexEVS Object	LexEVS field
Smq_content	Smq_code	AssociationPredicate	AssociationSource
smq_content	Term_code	AssociationPredicate	AssociationTarget
Smq_content	Term_level	Entity	Property.Value
Smq_content	Term_scope	Entity	Property.Value
Smq_content	Term_category	Entity	Property.Value
Sqm_content	Term_weight	Entity	Property.Value
Smq_content	Term_status	Entity	Property.Value
Smq_content	Term_addition_version	Entity	Property.Value
Smq_content	Term_last_modified_version	Entity	Property.Value

Error Messages

File expected is missing

```

0 - error - Thu May 23 13:10:26 CDT 2013 - Following files are MISSING in directory provided:
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing PT File/pt.asc
-
1 - fatal - Thu May 23 13:10:26 CDT 2013 - Failed while running the conversion - null
Load process finished - Thu May 23 13:10:26 CDT 2013
Errors Logged: true
Warnings Logged: false
End State: failed

```

Multiple files expected is missing

```

0 - error - Thu May 23 13:11:29 CDT 2013 - Following files are MISSING in directory provided:
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing Mult Files/meddra_release.asc
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing Mult Files/mdhier.asc
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing Mult Files/smq_list.asc
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing Mult Files/soc.asc
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing Mult Files/pt.asc
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing Mult Files/soc_hlgt.asc
/C:/Users/m113216/Desktop/MedDRA/TestData/Missing Mult Files/smq_content.asc
-
1 - fatal - Thu May 23 13:11:29 CDT 2013 - Failed while running the conversion - null
Load process finished - Thu May 23 13:11:29 CDT 2013
Errors Logged: true
Warnings Logged: false
End State: failed

```

File is empty

```
0 - error - Thu May 23 13:12:14 CDT 2013 - Following files are EMPTY in directory provided:
/C:/Users/m113216/Desktop/MedDRA/TestData/Empty HLT File/hlt.asc
-
1 - fatal - Thu May 23 13:12:14 CDT 2013 - Failed while running the conversion - null
Load process finished - Thu May 23 13:12:14 CDT 2013
Errors Logged: true
Warnings Logged: false
End State: failed
```

File missing a data field

```
0 - info - Thu May 23 13:14:40 CDT 2013 - Checking validity of data imported. -
1 - error - Thu May 23 13:14:40 CDT 2013 - ERROR in data imported from file (row 0): hlt.asc -
2 - error - Thu May 23 13:14:40 CDT 2013 - <REQUIRED>: hlt_code: null
<REQUIRED>: hlt_name: null
<IGNORED>: hlt_whoart_code: null
<IGNORED>: hlt_harts_code: null
<IGNORED>: hlt_costart_sym: null
<IGNORED>: hlt_icd9_code: null
<IGNORED>: hlt_icd9cm_code: null
<IGNORED>: hlt_icd10_code: null
<IGNORED>: hlt_jart_code: null
-
3 - info - Thu May 23 13:14:40 CDT 2013 - Completed mapping. Now saving to database -
4 - fatal - Thu May 23 13:14:41 CDT 2013 - Failed while running the conversion - org.LexGrid.
LexBIG.Exceptions.LBParameterException: The URN and the version must be populated.
Load process finished - Thu May 23 13:14:41 CDT 2013
Errors Logged: true
Warnings Logged: false
End State: failed
```