

Supplementary Data for Ceusters, Hsu, Smith, ICBO 2014

Table 1: 16 sample lines from the data dictionary portion of the template for data expansion of the variables ('Var') 'id', 'sex' and 'q3' used in the original dataset.

L	Var	DT	REF	Min	Max	Val
1		IM	patient_study_record			
2	Id	LV	patient_identifier			
3	Id	IM	Patient			
4	Sex	CV	Gender			
5	Sex	CV	Male			0
6	sex	CV	Female			1
7	sex	UA	Sex	BLANK	BLANK	
8	q3	CV	no_pain_in_lower_face			0
9	q3	CV	pain_in_lower_face			1
10	q3	IM	in_the_past_month			
11	q3	IM	lower_face			
12	q3	IM	time_of_q3_concretization			
13	q3	RP	an_8_gcps_1	0	0	0
14	q3	UP	an_8_gcps_1	1	10	0
15	q3	UA	an_8_gcps_1	BLANK	BLANK	1
16	q3	JA	an_8_gcps_1	BLANK	BLANK	0

Legend: 'L' = template Line Number, 'Var' = Variable, 'DT' = Data Type (with possible values being 'LV' = Literal Value, 'CV' = Coded Value, 'UA' = Unjustified Absence, 'IM' = IMplicit reference, 'RP' = Redundant Presence (RP), 'UA' = Unjustified Absence, 'JA' = Justified Absence), 'REF' = Reference, 'Min' = lowest possible value for variable, 'Max' = highest possible value for variable, 'Val' = possible value for variable.

Table 2: Ontology portion of the template for data expansion for the 16 sample lines of Table 1.

L	IUI(L)	IUI(P)	P-Type	P-Rel	P-Targ	Trel	Time
1		#psrec-	DATASET-RECORD			At	T
2	#pidL-	#pid-	DENOTATOR	Denotes	#pat-	At	T
3	#patL-	#pat-	PATIENT			At	T
4	#patgL-	#patg-	GENDER	inheres-in	#pat-	At	T
5		#patg-	MALE-GENDER	inheres-in	#pat-	At	T
6		#patg-	FEMALE-GENDER	inheres-in	#pat-	At	t
7		#patgL-	UNDERSPECIFIED-ICE			At	t
8	#q3L0-	#pat-		lacks-participant	PAIN	At	#tq3-
9	#q3L1-	#pq3-	PAIN	Participant	#pat-	At	#tq3-
10		#tq3-	MONTH-PERIOD				
11		#patlf-	LOWER-FACE	part-of	#pat-	At	t
12		#cq3-	TIME-PERIOD	After	#tq3-		
13	#q3L-	#q3L-		corresponds-with	#q3L0-	At	t
14	#q3L-	#q3L-	DISINFORMATION			At	t
15	#q3L-	#q3L-	UNDERSPECIFIED-ICE			At	t
16	#q3L-	#q3L-	JUSTIFIED-BLANK-ICE			At	t

Legend: ‘L’ = Line Number, ‘IUI(L)’ = prefix for the IUI proxy for the information content entity of the data item concretized in the dataset denoting the entity about which one or two RTT-templates are formulated by means of the last six elements of the line, IUI(P) = prefix for the IUI proxy for the entity about which one or two RTT-templates are formulated by means of the last six elements of the line, P-Type = ontological type of the entities denoted by instantiated IUI(P)s, P-Rel = relation between the entity denoted by an instantiated IUI(P) and the entity denoted by an instantiated P-Targ, ‘Trel’ = temporal relation, ‘Time’ = temporal period during which P-rel holds. Only entries relevant to the discussion in this paper are shown.