Final version after processing the results of discussion in the working	Col	Colour Legend								
This will become a collection of all tables; after reviewing per item		Row colours	mandatory/recommended/option							
		Confirmed elements	mandatory and mandatory if applicable							
Please leave comments including your name and date		Newly added elements - for								
If done with review (even if no remarks/comments) add your name be	low under Reviewers of this version	review	recommended							
			optional							
Note: The HealthDCAT-AP column will be mostly complete for the "metadata Submitter) since that class is all about metadata during submission of a data an entry in this column if information of that specific concept can be harveste submission.	set. For other classes we only provide									
Note on mandatory fields with lists (but not strings): also HL7 NULL flavors v	vill be allowed									
			conditional							
Version history; Items added per version										
Items	Date version release									
Environmental Exposure and Biomarker	2024-10-09									
Decision(s):	Date decision Motivation/Information:									
Authors of latest version:										
Name	Date version release									
Ana Konrad	2024-12-04									
Hannah Neikes	2024-12-04									
Jeroen Belien	2024-12-04									
Joeri van der Velde	2024-12-04									
Abhishek Nayak	2024-12-04									
Reviewers of latest version										
Name	Date									
David Salgado	2024-12-06									
Richard Hagan	2024-12-08									
Laima Ambrozaityte	2024-12-09									
Ricardo Sánchez de Madariaga	2024-12-09									
Edel Cahalin	2024-12-09 && 2025-02-10									
Jernej Kovač	2024-12-10									
Mikael Kronborg Chirstophersen	2024-12-10									
Priit Kleemann	2024-12-10									
Milan Ojsteršek	2025-01-14									
Evita Lindholm	2025-02-10									
Michela Riba	2025-02-11									

Hannele Laivuori	2025-02-10
Harricic Larvaon	2025-02-10

Suggested_Union_Dom ain/class/table	Suggested Union Item	Suggested_Union_Pr oposed_Definition	Suggested_Union_Proposed_Values	Suggested_Union_Pr oposed_cardinality	Suggested_union_ mandatory/recom mended/optional	If conditional, terms of condition stated here	Part of sunflower	Link to terminology/ontolog y that defines item	Link to terminology/ontology that defines value(s) /valuelist(s)	Reasoning/explanatio n/evidence of/for suggestion	Concept: Exact match with	Concept: close match with	Value list: Exact match with	Value list: Close match with	Example data	delilles tile	Class: Exact match with	match with
Environmental Exposure	Tobacco Use Status	The status of the patient's tobacco use.	449688002 Smokes bibacco daily 422041000124100 Occasional tobacco smoker 432041000124100 Occasional tobacco smoker 8517006 Ex-amoker 405746006 Current on smoker but past smoking history unknown 2020410002 Never smoked tobacco Null*Bavor Other	01	optional		Core	229819007 Tobacco use and exposure	https://zibs, nl/wiki/TobacceLise-v3.5 (2024EN)	https://zibs. nl/wiki/fohacoUse-v3.5 (2024EN)						http://purl. bioontology. org/ontology/M ESH/D004781		https://bioportal.bioontology. org/ontologies/ NCIT? p=classes&con ceptid=http% 3A%2F% 2Fncicb.nci.nih, gov%2Fxml% 2Eow% 2EThesaurus. owl%22C18552
Environmental Exposure	Type Of Tobacco Used	Type of tobacco the patient uses.	Children of https://laddictorocalb.org/ADD/CTO_0000311 combined with childred of https://laddictorocalb.org/ADD/CTO_0000315 HL7 NULL flavors	1n	conditional	If Tobacco Use Status != 405746006 Current non smoker but past smoking history unknown or 266919005 Never smoked tobacco or NullFlavor Other	Core	53661000146106 Type of tobacco used	https://addictovocab. org/ADDICTO 0000316 https://addictovocab. org/ADDICTO 0000311	https://zibs. nl/wiki/TobaccoUse-v3.5 (2024EN)	https://www. bciosearch. org/BCIO 0361 04 Or broader consumption behaviours https://www. bciosearch. org/BCIO 0360 61	https://zibs. nl/wiki/Tobacco Use-v3.5 (2024EN)						
Environmental Exposure	Smoking amount	The number of cigarettes, cigars or grams of rolling tobacco consumed per day, week, month or year.	amount/day   amount/week   amount/year amount/year	11	conditional	If Tobacco Use Status != 405746006 Current non smoker but past smoking history unknown or 266919005 Never smoked tobacco or NullFlavor Other	Core			More information can be found at: https://zibs. nl/wiki/TobacoUse-v3.5 (2024EN) and the article: https://onlinelibrary.wiley.com/doi/full/10.1111/add. 18010 that describes the addiction-ontology		https://ontobee. org/ontology/NC IT?iri=http: //purl.obolibrary. org/obo/NCIT_ C177627						
Environmental Exposure	Pack years	The unit indicating the smoker's total exposure to tobacco smoke. For cigarettes, this is calculated using the number of smoked packs of cigarettes per day (one pack = 20 cigarettes) times the number of years of smoking. For other forms of tobacco, this is usually converted to an equivalent cigarette consumption. Often, only the number of pack years is estimated.	Integer	1.1	conditional	If Tobacco Use Status I= 405746006 Current non smoker but past smoking history urknown 7 268919005 Newer smoked tobacco NullFlavor Other	Core	401201003 Cigarette pack-years	NA .	https://zibs. ni/wiki/Tobaccol.tse-v2.5 (2024EN)								
Environmental Exposure	Alcohol use status	The status of the patient's alcohol use.	219006 Current drinker 105542008 Non - drinker 82581004 Ex-drinker 783261004 Lifetime non-drinker of alcohol NullFlavor Other	01	optional		Core	228273003 Finding relating to alcohol drinking behavior	https://zibs. nl/wiki/AlcoholUse-v3.3 (2024EN) #AlcoholUseStatusCodelist	https://zibs. nl/wiki/AlcoholUse-v3.3 (2024EN)								
Environmental Exposure	Alcohol amount	The extent of the patient's alcohol use in units of alcohol per time period (day/week/year).	330 ml of beer,	0n	optional		Core	897148007 Alcoholic beverage intake		https://zibs. nl/wiki/AlcoholUse-v3.3 (2024EN)								
Environmental Exposure	Other Type of Exposure	Indicates other exposures other than the property of the prope	Chemical hazard Air pollutant Heavy metal		optional		Core		https://bio.librelexts. cog/Bookshelves/Ecology/E (Ha. and. Schleiner/104%) 24. Humans, and the Environment/4.04% Sc. Environmental Health 3A. Tyres of Environment al. Hazards									

					Connected outline			Link to	Link to	Bearing foundaments	Consents		Value list:			Link to		
Suggested_Union_Dom ain/class/table	Suggested Union Item	Suggested_Union_Pr oposed_Definition	Suggested_Union_Proposed_Values	Suggested_Union_Pr oposed_cardinality	mandatory/recom mended/optional	If conditional, terms of condition stated here	Part of sunflower	terminology/ontolog y that defines item	terminology/ontology that defines value(s) /valuelist(s)	Reasoning/explanatio n/evidence of/for suggestion	Exact match with	Concept: close match with	Exact match with	Value list: Close match with	Example data	aetines the	Class: Exact match with	
Environmental Exposure	Other_Other Type of Exposure	Provide the option to if "Other" option is choosen from List of other exposures, type a free text field	String	11	conditional	if Other Type of Exposure == "Other" then this item needs to be completed	Core		NA	Provide option to include a non-listed envrionmental exposure								
Environmental Exposure	Travel History	Description of any travel within 4 weeks before the diagnosis	String	0n	optional		Infectious Diseases		NA			https://ontobee. org/ontology/GE NEPIO?iri=http: //purl.obolibrary. org/obo/GENEP IO_0001416						
Environmental Exposure	Travel History_start_date	Start date of relevant travel history	Date (YYYY-MM-DD), ISO 8601	0n	optional				https://www.iso.org/iso- 8601-date-and-time-format. html									
Environmental Exposure	Travel History_end_date	End date of relevant travel history	Date (YYYY-MM-DD), ISO 8601	0n	optional				https://www.iso.org/iso- 8601-date-and-time-format. html									
Environmental Exposure	Residential area at risk	Description of the area of known environmental exposure conditions where the subject/patient resides	String	0n	optional		Core		NA	Moved item from Infectious disease to Core to reflect general applicability								
Biomarker	Purpose	Necessary information to indicate the objective of the biomarker used of the biomarker used of the biomarker g. diagnostic, prognostic,)	Distanceis Expendida Expendida Monitorina	01	optional		Core		Selection of children (see column 015) from https: //bipcorfal bipcontoloxy, org/ontologies/NCIT2 %38%2F%2Fncich nci nhi %38%2F%2Fncich nci nhi gor/%2FxW3FCrM% 2FEVS%2FThesaurus, owt%25X15342					Within https://biocontal.biocontal/b		https://bioportal. biopotology orgioniologies/ NCIT? p=classes&con ceptid=https://doi.org/ 2Fncicb.ncl.nb/ 2Fowl% 2Fowl% 2FEVS% 2FTNessaurus, owt%22C16342		
Biomarker	Туре	What type is the biomarker classified as.	Molecular Imaging Anthropometric Cellular Physiological	11	conditional	If Purpose is stated, the Type should be given	Core	https://ontobee. org/ontology/NCIT2 ini=http%3A%2F% 2Fpurl.obolibrary.org% 2Fobo% 2FNCIT_C164707	https://prophetproject. eu/wp- content/uploads/2024/06/P ROPHET-D2.1_v1.0.pdf Page 109	PROPHET Factsheet #1:     Mapping     biomarkers     for risk prediction     to enhance     preventative     strategies								
Biomarker	Subtype	Subtype of the biomarker as classified in the type	See column G for values depending on what the Type is.	1.1	conditional	Molecular Dipe as  Molecular Control Generics  Molecular Stronger  Molecular Generics  Molecular Molecular  Molecular Molecular  Mol			https://prophetproject. gutyp: contentuntosids/2024/06/P ROPHE 102.1.11.0.sdf Page 100									
Biomarker	Name	Biomarker name	String	01	optional		Core	https://ontobee. org/ontology/NCIT? iri=http://purl.obolibrary. org/obo/NCIT_C164706	NA									
Biomarker	Code	Code of the biomarker	String	01	optional		Core	https://ontobee. org/ontology/NCIT? iri=http://purl.obolibrary. org/obo/NCIT_C164640	NA									
Biomarker	Code System	Code System of the Biomarker Code	String or URI	01	optional		Core	https://ontobee. org/ontology/NCIT? iri=http://purl.obolibrary. org/obo/NCIT_C70895	NA									
Biomarker	Date	The date of the biomarker being obtained	Date (YYYY-MM-DD), ISO 8601	01	optional		Core		https://www.iso.org/iso- 8601-date-and-time-format. html									