external_exposure

CDM Field	User Guide	Example #1 Senegal/Cameroon WG Use Case	Example #2 Senegal/Cameroon WG Use Case
external_exposure_id	primary key identifier		
external_exposure_era_id	foreign key to the era in which the external_exposure participates[1]		
person_id	foreign key to person table		
external_exposure_concept_id	concept from an OMOP GIS vocabulary representing the external exposure measured property like high temperature	ENVO_01000415 *concept_id for "PM2.5" in the ECTO[2] ontology*	ENVO_01000415 *concept_id for "PM2.5" in the ECTO ontology*
statistic_concept_id	concept for a statistic like "mean", "count", "95th percentile", "exceedance probability"	STATO_0000047 *concept_id for a "count" in STATO*	STATO_0000573 *concept_id for an "arithmetic mean" in STATO*
interval_concept_id	concept for an interval over which a statistic spans like "24-hour period", "month", "year"	9448 *concept_id for "year" in ATHENA*	9448 *concept_id for" year" in ATHENA*
operator_concept_id	operators include <, <=, =, >=, > and ∑ (sum)	4172704 *concept_id for ">" in ATHENA*	

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[1] Note that this is NOT the best practice in other era tables – for example, successive periods of drug_exposures are combined under certain domain-specific rules to produce continuous drug_eras. The latter dates are just inclusive of the former ones. There is no foreign key relationship between a drug exposure and its era

[2] Here is ECTO. The contact person for ECTO is Anne Thessen. Andrew early on expressed an interest in using ECTO. Polina has captured many of the statistics created on top of the ECTO classes in the OMOP Exposome and SDOH vocabularies

CDM Field	User Guide	Example #1 Senegal/Cameroon WG Use Case	Example #2 Senegal/Cameroon WG Use Case
qualifier_name	statistics are sometimes determined in relationship to a standard statistic	WHO PM2.5	
qualifier_verbatim_text		15 ug/m3 over a 24-hour period	
external_exposure_start_datetime	temporal coverage of the statistic	1/1/2023	1/1/2023
external_exposure_end_datetime		12/31/2023	12/31/2023
external_exposure_type_concept_id	concept from an OMOP GIS vocabulary representing a place-based instrument (aka sensor) type including "satellite", "weather station", "in-home device", "social vulnerability index", "UN SDG (sustainable development goal) indicator", PhenX environmental health CDE, etc.		
external_exposure_source_value	this field contains the exact value from the source data that represents the measurement that occurred		
external_exposure_source_concept_id	this is the concept representing the external_exposure source_value and may not be standard		
value_as_number	amount of exposure	23	8.2
value_as_concept_id			

CDM Field	User Guide	Example #1 Senegal/Cameroon WG Use Case	Example #2 Senegal/Cameroon WG Use Case
unit_concept_id	unit of measurement like "celsius" if value_as_number		32964 *concept_id for "microgram per cubic meter" in ATHENA*
unit_text			ug/m3
visit_occurrence_id	not required		
external_exposure_event_id	foreign key to a record in an OMOP CDM table		
external_exp_event_field_concept_id			