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Deutsches Forschungszentrum für Gesundheit und Umwelt

# MIABIS core v3.0 update – star model suggestion for facts and dimensions

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# Facts to be used for aggregation

first priority	Possible query
disease	„number of different diagnosis in a certain biobank/collection“
donor	„Number of patients with heart failure“
sample	„Number of serum samples from patients with heart failure“
OMICs dataset	„Number of sequence datasets from patients with heart failure“
<b>Second priority</b>	
Suggestions please!	
Images, cases.....	

# Dimensions of facts

Disease	Change to diagnosis?
disease	Structured attribute (MIABIS 2.0 – 17)
Disease ontology....	
<b>New suggestions</b>	
Assessment date	
Certainty of diagnosis	
Further suggestions please!	

# Dimensions of facts

Donor	
sex	MIABIS-SAMPLEDONOR-02 (MIABIS-2.0-09)
Birth date	MIABIS-SAMPLEDONOR-04, restrict to year
Birth country	Country sufficient?
ethnicity	
Further suggestions please!	

# Dimensions of facts

Sample	
Material type	MIABIS-2.0-14
sample storage temperatue	MIABIS-SAMPLEDONOR-04, restrict to year
Sample creation date and time	MIABIS-SAMPLE-04
Anatomical site	Structured attribute
Further suggestions please!	

# Dimensions of facts

OMICS	
Genomics	
Epigenomics	
Transcriptomics	
Metabolomics	
Proteomics	
Metagenomics	