

What's new in DF8 endpoints

Number of GWAS runs reduced for DF8. This is done by categorizing endpoints into core and non-core endpoints

- FinnGen **core endpoint** is an endpoint for which GWAS analysis is run by Analysis team and results are visible in **PheWeb**
- **Non-core endpoints are omitted**; they can be found only in **Risteys/Sandbox**, and users can run Custom GWAS if needed

Core vs. non-core categorization uses the **OMIT indicator** (column D in endpoint Spreadsheets (<https://www.finngen.fi/en/researchers/clinical-endpoints>)) and all endpoints **n < 80** are excluded from GWAS runs

Core endpoint reduction for DF8

- Redundant ICD-10 codes omitted:
 - R18 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified
 - ST19 Injury, poisoning and certain other consequences of external causes
 - VWXY20 External causes of morbidity and mortality
 - Z21 Factors influencing health status and contact with health services
 - U22 Codes for special purpose
 - Level 1 endpoints (broad upper categories, ie AB1_INFECTIONS)
- Correlated endpoints omitted
 - Correlation runs on DF7
 - Correlated endpoints assigned to clusters
 - Top endpoint retained within each cluster
 - Clinical evaluation of “top endpoints”
- Systematic control selection for cancer endpoints
 - EXALLC version selected for malignant cancers (C3_)
 - EXALLC version omitted for benign cancers (CD2_BENIGN_)

All FinnGen core and non-core endpoints can be found at

<https://www.finngen.fi/en/researchers/clinical-endpoints>

- Spreadsheet:
FINNGEN_CORE_AND_NONCORE_ENDPOINTS_AND_CONTROLS_DF8