

What's new in DF10 endpoints

There were no systematic changes in DF10 endpoints, only minor updates. Altogether 2459 new endpoints reached a minimum of 50 cases making them eligible for the core analysis team GWAS runs.

For DF10 new legacy **samples**, genotyped with FinnGen array, were delivered from the following cohorts and biobanks:

- ~2700 Finnish Health in Teens study subjects (FinHIT, THL BB)
- ~2350 male smokers (ATBC/SETTI study, THL BB)
- ~440 back surgery patients Nordic Modic project (Nomod study, Eastern Finland BB)
- ~950 normal pressure hydrocephalus patients, their relatives and controls (Eastern Finland BB)
- ~705 Neurological disease patients, including Alzheimer disease patients (L-MCI study, Eastern Finland BB)
- ~400 Kuopio Breast Cancer Project patients (KBCP, Eastern Finland BB)
- ~170 Migraine family patients (Migraine study, THL)
- ~70 Idiopathic intracranial hypertension patients (IIH cohort, Eastern Finland BB)
- ~50 acute head injury patients (S100B biomarker study, Eastern Finland BB)

For DF10 new legacy **genotypes**, genotyped with various Illumina arrays, were delivered from following cohorts and biobanks:

- ~4800 North Finland Birth Cohort study subjects born in 1966 (NFBC 1966, Arctic BB)
- ~3500 North Finland Birth Cohort study subjects born in 1986 (NFBC 1986, Arctic BB)

All changes in the endpoints are described in the changelog file here (<https://www.finnngen.fi/en/researchers/clinical-endpoints>)

Deleted endpoints

-50 endpoints

-18 deleted for renaming purposes; removed _INCLAVO from short name

-11 deleted due to other renaming purposes

-14 redundant endpoints deleted

-5 placeholder and 1 helper endpoint and 1 too broad definition endpoint deleted

New endpoints

-32 new endpoints:

- 2 new core endpoints
- G6_RLS
- AB1_LYME
- 1 new non-core endpoint
 - K11_K03_COMBINATION
- 29 new endpoints because of renaming
 - 18 INCLAVO ending removed from the endpoint short name
- 11 endpoints renamed because of spelling errors or unlogical naming

Modified endpoints

81 modified endpoints

- 38 #AVO tag added
 - 9 #ICDMAIN tag added
 - 7 "special" column cleared as markings became outdated
 - 5 endpoint long name or name of the included endpoint was changed
- 21 endpoint definitions improved
 - CD2_NONHODGKIN_NAS control definition corrected

See changelog for more details.