

What's new in DF11 endpoints

There were no systemic changes in Data Freeze (DF) 11's endpoints, only minor updates.

DF11 legacy samples

New DF11 legacy **samples**, genotyped with the FinnGen array, were delivered from the following cohorts and biobanks:

- ~4700 The Finland-United States Investigation of NIDDM Genetics (FUSION) study subjects ([FUSION](#), THL BB)
- ~3000 North Finland Birth Cohort study subjects born in 1986 ([NFBC 1986](#), Arctic BB)
- ~1900 North Finland Birth Cohort study subjects born in 1966 ([NFBC 1966](#), Arctic BB)
- ~1500 The diabetes register of the Vaasa hospital district study subjects ([DIREVA](#), Auria BB)
- ~500 Northern Finland aging individuals ([Oulu 1935](#), Arctic BB)
- ~650 Northern Finland aging individuals, ([Oulu 1945](#), Arctic BB)
- ~550 Finnish Health in Teens study subjects ([Fin-Hit](#), THL BB)
- ~150 [Migrane](#) study subjects (THL BB)
- ~30 [Finnish IPF](#) study subjects (THL BB)

New DF11 legacy genotypes

No new legacy samples **with previously generated genotypes from non-FinnGen arrays** were delivered to FinnGen for DF11.

All changes in the endpoints are described in the changelog file [here](#).

Deleted endpoints

1 endpoint (custom endpoint, created for userresults)

- K11_K03_COMBINATION

New endpoints

6 new endpoints

- DM2_NEPHROPATHY
- DM2_RETINOPATHY
- DM2_NEUROPATHY
- DM1_NEPHROPATHY
- DM1_RETINOPATHY
- DM1_NEUROPATHY

Modified endpoints

336 modified endpoints

- 8 modified because typo in longname
- 10 endpoints with minor definition modifications
- 190 cancer control exclusions unified, now all EXALLC cancer endpoints have same exclusion rules
- Comorbidity and diabetes complication endpoints have now omit=2 (these endpoints won't be released to Sandbox, Pheweb or Risteys)

See [changelog](#) for more details.