\( n = 503,925 \)

Patients who had received statin therapy for at least 90 days  
\( n = 114,249 \)

Patients who were diagnosed with type 2 diabetes mellitus  
\( n = 26,655 \)

Patients who had records of lipid profiles before starting statin therapy  
\( n = 14,702 \)

Patients who were not diagnosed with cardiovascular disease before enrolment and had received moderate- or high-intensity statin therapy  
\( n = 11,900 \)

Exclusion of 389,676 patients

Exclusion of 87,594 patients

Exclusion of 11,953 patients

Exclusion of 2,802 patients

**Supplementary Fig. 1.** Flow diagram of the study patient selection. NHIS-HEALS, National Health Insurance Service-Health Screening.