Patients with at least one visit during 2015-2017
N=245340

Patients with at least one AD prescription in 2015-2017
N=135387

Patients whose prescription with no record of AD in previous one year (new user), the date of the first identified eligible prescription was defined as index date
N=112801

Patients (new user) diagnosed with depression (F32.X, F33.X) during one year before the index date
N=40856

Patients (new user) with 18<=age<65
N=32652

New user with single index drug
N=19955

Exclude
• Patients had electroconvulsive therapy before the index date (N=38)
• Patients diagnosed with bipolar disorders (F31.X), manic episode (F30.X), schizophrenia (F20.X) (N=1309)
• Patients with an organic disease of the CNS (F00.X-F09.X) (N=167)
• Patients <18, ≥65 on the index date (N=6888)

Exclude
• Patients had multi-drugs in the index prescription (N=12697)

Figure S1. Flowchart of patient selection