Patients from up-to-standard practices with at least one anti-parkinsonian drug prescription (n = 54,850)

Patients with prescriptions for anti-parkinsonian drugs during study period (January 1997 to June 2009), age 40-89 after at least one year of registration in an up-to-standard practice

Exclude 21 patients without follow-up data

Cohort of eligible patients treated with anti-parkinsonian drugs (n = 29,177)

Exclude:
- **Patients without HES data (n = 15,904)**
- Patients without anti-parkinsonian prescriptions after start of HES data (n = 89)
- Patients without follow-up data (n = 1)

Study cohort (n = 13,183)

Exclude: 4 cases of pneumonia that could not be matched to

1,835 cases of severe community acquired

16,088 matched controls