## Supplementary File 1. Inclusion and Exclusion Flow Chart. Created by the authors

All current records of patients in MMPI aged 65+ at start of study – 16 December 2018

n = 14,522,113

## **Exclusions:**

- Patients with a death date of the study start date or earlier n = 3,978,476
- Patients without a valid pseudo UPRN n = 68,018
- Patients living in a care home n = 280,218
- Patients where the household number at study start date greater than 6 n = 202,117
- Patients without a 3 year medical history before study start date n = 5,072,574
- Patients where the household number greater than 6 in the one year before study start date n = 41,389
- Patients without an LSOA code n = 1,454
- Patients registered with an England GP but not living in England n = 1,582

All patients aged 65+ registered at GP practices in England on 16 December 2018 who were living alone or in a household of up to six people and had been an in-patient in the last 3 years

n = 4,876,285