Existing data about us is matched, linked and compared to help GPs use antibiotics better.

**PEOPLE**
- Identifiable data, eg name, NHS number, gender, date of birth, postcode
- De-identified data, eg symptoms, referrals, prescriptions, cause of death

**GOVERNMENT, PUBLIC SERVICE and NHS ORGANISATIONS and the PEOPLE who work for them**, eg NHS Digital, the national provider of information, data and IT systems within health and social care in England, and Clinical Practice Research Datalink (CPRD), a research service supporting public health and clinical studies.

**EXTERNAL ACADEMIC ORGANISATIONS and the PEOPLE who work for them**

**UNIVERSITY OF MANCHESTER**, the data controller.

**NHS PROVIDERS**
- Data about patient visits to A&E and out-of-hours clinics

**GP PRACTICES**
- Healthcare professionals record patient data directly into the patient’s electronic health record. It is optional whether this is shared.

**NATIONAL AND LOCAL GOVERNMENT**
- Data about relative deprivation of locations

**ONS**
- Data about registered deaths

**UNIVERSITY researchers request the datasets they need to do their project**

**NHS Digital** and **CPRD** collect, match and anonymise the datasets.
- No identifiable data is shared further than NHS Digital.

**University researchers analyse the data**

**Healthcare professionals and policy makers use the anonymous data for decision-making**