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| **Variable name** | **Description** |
| LSOA | Lower Super Output Area Code |
| LSOA Name | Lower Super Output Area Name |
| totalPopulation | Total unrounded population |
| PharmacyPopulationInBuffer | Population number with access to a pharmacy within 20 minutes walk |
| PharmacyPcentInBuffer | % Population with access to a pharmacy within 20 minutes walk |
| IMD2010 | Index of Multiple Deprivation 2010 |
| IMD percentile | Index of multiple deprivation Percentile 1 = least deprived 10 = most deprived |
| UrbanRural | Urban Rural Indicator 0 =Urban 1= Town and Fringe 2 = Rural |
| UrbanRural2 | Urban rural text |
| LA | Local Authority |
| GP population in buffer | Population number with access to a GP practice within 20 minutes walk |
| GPpcentpopBuffer | % Population with access to a GP practice within 20 minutes walk |

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| **Data sources**  Postcode data aggregated to LSOA from ONS Postcode Directory Office of National Statistics.  https://geoportal.statistics.gov.uk/geoportal/catalog/main/home.page;jsessionid=DA42EA7C669D7CC91FBA9C13AD511DFB |
| Pharmacy data - from General Pharmaceutical Council. http://www.pharmacyregulation.org/ |
| GP practice data from http://data.gov.uk/dataset/england-nhs-connecting-for-health-organisation-data-service-data-files-of-general-medical-practices |
| IMD and urban rural classification from ONS |
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| Data was aggregated using ArcGIS from postcode point data (see http://bmjopen.bmj.com/content/5/5/e007328.full#ref-20) |