

Data Dictionary: Definitions of each column name and meaning through all tables.	
Correlated Diseases in UK	
1	Disease – The name of the disease or condition that is correlated with the APOL1 gene.
2	Fold Increased Risk – A numerical value representing the increased risk of developing the disease in individuals with APOL1 risk alleles, compared to the general population.
3	Risk Type – Indicates whether the risk is due to genetic factors (having APOL1 alleles), disease-related factors, or a combination of both.
4	Condition/Context – Specifies the specific condition or context in which the disease risk applies (e.g., "HIV+ population" or "with risk alleles").
5	Prevalence Percentage – The percentage of the specific population affected by the disease or condition.
6	Prevalence Percentage: Other Ethnicities – The prevalence of the disease among non-APOL1 risk allele populations (other ethnic groups).
7	Confidence Levels for Prevalence Data – The statistical confidence interval (percentage range) for the prevalence data, indicating the reliability of the estimates.
8	City – The specific city in the UK where the prevalence data was recorded or studied.
9	Region – The geographical region within the UK corresponding to the data (e.g., Greater London, West Midlands).
10	Age Ranges – The age group most affected by the disease (e.g., 15-60, 30-70, or all ages).
11	Gender – Specifies whether the condition affects all adults, females only, or a specific demographic group.
Correlated Diseases in London	
1	Estimated Cases – The estimated number of people affected by the disease in the given city or region.
2	High Prevalence Boroughs – Specific boroughs in London where the disease prevalence is highest.
Ethnic Population	
1	Country – The country within the UK (in this case, all entries are from England).
2	Total Population – The total population of the city or region.
3	Ethnic Group – The specific Black ethnic group being measured (e.g., Black African, Black Caribbean, Mixed White/Black African).
4	Ethnic Population – The total number of people within the specified ethnic category in the given city or region.
Ethnic Population Locations	
1	Community Centers - This lists the names of community centers that likely serve or are associated with specific ethnic communities. These are places that may offer various services, activities, or support.
2	Coordinates (Community Centers) - This column provides the geographical coordinates (latitude and longitude) for the corresponding community center. This allows for precise location mapping.
3	Cultural Associations - This lists the names of organizations or groups that promote and celebrate the culture of specific ethnic communities.
4	Coordinates (Cultural Associations) - This provides the geographical coordinates for the corresponding cultural association.
5	Religious Institutions - This lists the names of churches, mosques, temples, or other religious institutions that are likely frequented by or associated with specific ethnic communities.
6	Coordinates (Religious Institutions) - This provides the geographical coordinates for the corresponding religious institution.
Medical Diagnosis	
1	CKD Observed (%) – The percentage of individuals diagnosed with Chronic Kidney Disease based on actual observations.
2	CKD Standardised (%) – The percentage of Chronic Kidney Disease cases adjusted for demographic or statistical normalization.
3	Testing Observed (%) – The percentage of individuals tested for CKD based on actual data.
4	Testing Standardised (%) – The percentage of testing adjusted for demographic or statistical normalization.
5	Risk Observed (%) – The percentage of individuals identified at risk for CKD based on real-world data.
6	Risk Standardised (%) – The percentage of risk-adjusted for statistical normalization.
7	Bases weighted – The number of individuals included in the dataset after applying statistical weighting.
8	Bases unweighted – The raw count of individuals before applying statistical weighting.
Immigration to UK	
1	Year of arrival in the UK – The period in which individuals from the specified ethnic group arrived in the UK.
2	Population – The number of individuals within that ethnic group who arrived during the specified period or were born in the UK.
Density vs Healthcare Facilities	
1	Target Population Size – The estimated number of individuals in the region who require specialized healthcare services (from the 2021 Census).
2	Specialized Healthcare Facilities – The number of facilities available, including kidney care centers and genetic testing units.

3	Utilization Rate % – The percentage of the target population that uses these specialized healthcare services.
4	Access Score out of 10 – A score (on a scale from 0 to 10) that measures accessibility, considering transport links and cultural services.
5	Coverage Index % – A combined metric that evaluates healthcare availability, utilization, and accessibility in each region.
Clinical Trials	
1	Target Population (Inaxaplin) - The approximate number of individuals in each city who are eligible to participate in the Inaxaplin clinical trial. This population is generally made up of individuals with kidney disease associated with the APOL1 genetic variants, which are prevalent in people of African and Caribbean descent.
2	Target Population (JUSTICE) - The approximate number of individuals in each city who are eligible to participate in the JUSTICE clinical trial. Similar to the Inaxaplin trial, this population is composed of individuals with APOL1 risk variants linked to kidney disease, but the focus is on examining the effect of baricitinib.
3	Clinical Trial Name - The name(s) of the clinical trial(s) for which recruitment is happening in the corresponding city. In this case, the trials are Inaxaplin and JUSTICE, which are both targeting individuals with APOL1-related kidney disease.
4	Clinical Trial Type - This column indicates whether the city is recruiting participants for the Inaxaplin trial, the JUSTICE trial, or both. Both trials target similar populations with APOL1 genetic variants but may focus on different treatments or research objectives. In this case, the "Both" label means the city is recruiting for both trials.
	Data marked with * is estimated based on total ethnic minority populations