Homicide Victim Analysis

Data Source

- Data source:

  https://data.london.gov.uk/
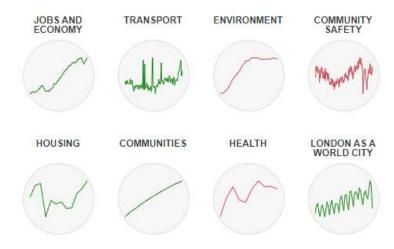
  https://data.gov.uk/

Victim Table

```
select *
from [LDS Homicide Victims 2003-2021]
```

100 %

Results | Messages

	Count_of_Victims	Age_Group	Sex	Method_of_Killing	Domestic_Abuse	Recorded_Date	Homicide_Offence_Type	Solved_Status	Borough	Officer_Observed_Ethnicity
1	1	45 to 54	Male	Knife or Sharp Implement	Not Domestic	Jan-03	Murder	Solved	Wandsworth	White
2	1	25 to 34	Male	Not known/Not Recorded	Not Domestic	Jun-03	Murder	Solved	Wandsworth	Asian
3	1	45 to 54	Male	Pysical Assualt, no weapon	Not Domestic	Sep-03	Murder	Solved	Greenwich	Asian
4	1	45 to 54	Male	Blunt Implement	Not Domestic	Sep-03	Murder	Solved	Kingston Upon Thames	White
5	1	0 to 12	Female	Pysical Assualt, no weapon	Not Domestic	Jun-03	Murder	Solved	Hounslow	White
6	1	45 to 54	Male	Knife or Sharp Implement	Not Domestic	Oct-03	Murder	Solved	Hounslow	Asian
7	1	0 to 12	Female	Pysical Assualt, no weapon	Not Domestic	Jan-03	Murder	Solved	Richmond Upon Thames	White
8	1	13 to 19	Female	Not known/Not Recorded	Not Domestic	Feb-03	Murder	Solved	Richmond Upon Thames	White
9	1	25 to 34	Male	Knife or Sharp Implement	Not Domestic	Aug-03	Murder	Solved	Richmond Upon Thames	Other
10	1	20 to 24	Male	Knife or Sharp Implement	Not Domestic	Jan-03	Murder	Solved	Hillingdon	Asian
11	1	25 to 34	Female	Pysical Assualt, no weapon	Domestic	May-03	Murder	Solved	Hillingdon	White
12	1	25 to 34	Female	Pysical Assualt, no weapon	Domestic	Jun-03	Murder	Solved	Hillingdon	Asian
13	1	45 to 54	Female	Other Methods of Killing	Domestic	Jul-03	Murder	Solved	Hillingdon	White
14	1	45 to 54	Male	Knife or Sharp Implement	Domestic	Dec-03	Murder	Solved	Hillingdon	White
15	1	55 to 64	Male	Not known/Not Recorded	Not Domestic	Jan-03	Murder	Solved	Ealing	Black
16	1	35 to 44	Male	Shooting	Not Domestic	Feb-03	Murder	Unsolved	Lambeth	Black
17	1	45 to 54	Female	Other Methods of Killing	Not Domestic	Feb-03	Murder	Unsolved	Ealing	Black
18	1	65 and over	Female	Other Methods of Killing	Not Domestic	Mar-03	Murder	Unsolved	Lambeth	Black
19	1	13 to 19	Male	Shooting	Not Domestic	Mar-03	Murder	Unsolved	Ealing	Black
20	1	45 to 54	Male	Other Methods of Killing	Not Domestic	Apr-03	Murder	Unsolved	Ealing	White
21	1	25 to 34	Male	Shooting	Not Domestic	Apr-03	Murder	Solved	Lambeth	Black
22	1	45 to 54	Male	Not known/Not Recorded	Not Domestic	May-03	Murder	Solved	Hounslow	Asian
23	1	25 to 34	Male	Knife or Sharp Implement	Not Domestic	Sep-03	Murder	Unsolved	Lambeth	Black
24	1	65 and over	Male	Other Methods of Killing	Not Domestic	Sep-03	Manslaughter	Solved	Lambeth	Black
25	1	35 to 44	Female	Knife or Sharp Implement	Domestic	Sep-03	Murder	Solved	Lambeth	White
26	1	25 to 34	Male	Shooting	Not Domestic	Oct-03	Murder	Unsolved	Lambeth	Black
27	1	25 to 34	Male	Pysical Assualt, no weapon	Not Domestic	Nov-03	Murder	Solved	Lambeth	White
28	1	35 to 44	Male	Not known/Not Recorded	Not Domestic	Nov-03	Murder	Unsolved	Lambeth	White
29	1	20 to 24	Male	Shooting	Not Domestic	Dec-03	Murder	Unsolved	Lambeth	Black
30	1	65 and over	Male	Other Methods of Killing	Not Domestic	Dec-03	Murder	Solved	Lambeth	White
31	1	20 to 24	Female	Blunt Implement	Not Domestic	Jul-03	Murder	Solved	Hounslow	Asian
32	1	45 to 54	Female	Blunt Implement	Not Domestic	Jul-03	Murder	Solved	Hounslow	Asian
33	1	0 to 12	Male	Blunt Implement	Not Domestic	Jul-03	Murder	Solved	Hounslow	Asian
34	1	0 to 12	Male	Blunt Implement	Not Domestic	Jul-03	Murder	Solved	Hounslow	Asian
35	1	25 to 34	Male	Knife or Sharp Implement	Not Domestic	Feb-03	Murder	Solved	Merton	White

Victim number

```
select count(*) *1.0 /
(select count(*)
from (
    select right(Recorded_date,2) as Year
    from [LDS Homicide Victims 2003-2021]
    group by right(Recorded_date,2)
) e) as 'Average case per year'
from [LDS Homicide Victims 2003-2021]
```

	Average case per year
1	141.368421052631

```
select right(Recorded_date,2) as Year, count(*) as 'Number of cases'
from [LDS Homicide Victims 2003-2021]
group by right(Recorded_date,2)
order by Year
```

Results Messages

	Year	Number of cases
1	03	216
2	04	188
3	05	181
4	06	172
5	07	163
6	08	155
7	09	130
8	10	126
9	11	117
10	12	106
11	13	109
12	14	95
13	15	119
14	16	114
15	17	141
16	18	137
17	19	152
18	20	133
19	21	132

Victim Gender

Victim Age

```sql
select Age_Group as 'Age Group', count (*) as Number, count(*) * 100.0 / sum(count(*)) over() as Percentage
from [LDS Homicide Victims 2003-2021]
group by Age_Group
order by case Age_Group
        when '0 to 12' then 1
        when '13 to 19' then 2
        when '20 to 24' then 3
        when '25 to 34' then 4
        when '35 to 44' then 5
        when '45 to 54' then 6
        when '55 to 64' then 7
        else 10
        end
```

	Age Group	Number	Percentage
1	0 to 12	146	5.435591958302
2	13 to 19	360	13.402829486224
3	20 to 24	443	16.492926284437
4	25 to 34	587	21.854058078927
5	35 to 44	435	16.195085629188
6	45 to 54	328	12.211466865227
7	55 to 64	173	6.440804169769
8	65 and over	214	7.967237527922

Domestic Abuse

```sql
select Domestic_Abuse as 'Domestic Abuse', count (*) as Number, count(*) * 100.0 / sum(count(*)) over() as Percentage
from [LDS Homicide Victims 2003-2021]
group by Domestic_Abuse
order by percentage desc
```

	Domestic Abuse	Number	Percentage
1	Not Domestic	2223	82.762472077438
2	Domestic	463	17.237527922561

Victim Ethnicity


```
Victime Ethnicity....on (MSI\Hing (69))    Select all.sql - M...don (MSI\Hing (60))
select Officer_Observed_Ethnicity as 'Victim Ethnicity', count (*) as Number, count(*) * 100.0 / sum(count(*)) over() as Percentage
from [LDS Homicide Victims 2003-2021]
group by Officer_Observed_Ethnicity
order by percentage desc
```

	Victim Ethnicity	Number	Percentage
1	White	1269	47.244973938942
2	Black	952	35.443037974683
3	Asian	397	14.780342516753
4	Other	43	1.600893521965
5	Not Reported/Not known	25	0.930752047654

- Note - London population by ethnicity in percentage:

  - White: 59.8

  - Asian: 18.5

  - Black: 13.3

  - Other: 8.4

  Source: https://www.ethnicity-facts-figures.service.gov.uk/uk-population-by-ethnicity/national-and-regional-populations/regional-ethnic-diversity/latest

Victim Ethnicity by year

```sql
select RIGHT(Recorded_Date, 2) as Year, Officer_Observed_Ethnicity as 'Victim Ethnicity', count (*) as Number, count(*) * 100.0 / sum(count(*)) over(partition by RIGHT(Recorded_Date, 2)) as Percentage
from [LDS Homicide Victims 2003-2021]
group by Officer_Observed_Ethnicity, RIGHT(Recorded_Date, 2)
order by Officer_Observed_Ethnicity, Year
```

Results | Messages

	Year	Victim Ethnicity	Number	Percentage
1	03	Asian	44	20.370370370370
2	04	Asian	25	13.297872340425
3	05	Asian	31	17.127071823204
4	06	Asian	26	15.116279069767
5	07	Asian	26	15.950920245398
6	08	Asian	22	14.193548387096
7	09	Asian	22	16.923076923076
8	10	Asian	16	12.698412698412
9	11	Asian	23	19.658119658119
10	12	Asian	9	8.490566037735
11	13	Asian	19	17.431192660550
12	14	Asian	15	15.789473684210
13	15	Asian	16	13.445378151260
14	16	Asian	12	10.526315789473
15	17	Asian	15	10.638297872340
16	18	Asian	19	13.868613138686
17	19	Asian	15	9.868421052631
18	20	Asian	25	18.796992481203
19	21	Asian	17	12.878787878787

20	03	Black	56	25.925925925925
21	04	Black	65	34.574468085106
22	05	Black	55	30.386740331491
23	06	Black	52	30.232558139534
24	07	Black	57	34.969325153374
25	08	Black	55	35.483870967741
26	09	Black	44	33.846153846153
27	10	Black	47	37.301587301587
28	11	Black	43	36.752136752136
29	12	Black	33	31.132075471698
30	13	Black	32	29.357798165137
31	14	Black	29	30.526315789473
32	15	Black	35	29.411764705882
33	16	Black	55	48.245614035087
34	17	Black	58	41.134751773049
35	18	Black	58	42.335766423357
36	19	Black	68	44.736842105263
37	20	Black	56	42.105263157894
38	21	Black	54	40.909090909090

68	03	White	114	52.777777777777
69	04	White	95	50.531914893617
70	05	White	93	51.381215469613
71	06	White	88	51.162790697674
72	07	White	77	47.239263803680
73	08	White	72	46.451612903225
74	09	White	63	48.461538461538
75	10	White	60	47.619047619047
76	11	White	49	41.880341880341
77	12	White	63	59.433962264150
78	13	White	56	51.376146788990
79	14	White	50	52.631578947368
80	15	White	62	52.100840336134
81	16	White	43	37.719298245614
82	17	White	57	40.425531914893
83	18	White	57	41.605839416058
84	19	White	63	41.447368421052
85	20	White	48	36.090225563909
86	21	White	59	44.696969696969

Victim Killing Method

```sql
select Method_of_Killing as 'Killing Method', count (*) as Number, count(*) * 100.0 / sum(count(*)) over() as Percentage
from [LDS Homicide Victims 2003-2021]
group by Method_of_Killing
order by percentage desc
```

	Killing Method	Number	Percentage
1	Knife or Sharp Implement	1359	50.595681310498
2	Other Methods of Killing	401	14.929262844378
3	Shooting	314	11.690245718540
4	Pysical Assualt, no weapon	276	10.275502606105
5	Blunt Implement	191	7.110945644080
6	Not known/Not Recorded	143	5.323901712583
7	Burning, scalding	2	0.074460163812

Victim Killing Method by year

```sql
select RIGHT(Recorded_Date, 2) as Year, Method_of_Killing as 'Killing Method', count (*) as Number, count(*) * 100.0 / sum(count(*)) over(partition by RIGHT(Recorded_Date, 2)) as Percentage
from [LDS Homicide Victims 2003-2021]
group by Method_of_Killing, RIGHT(Recorded_Date, 2)
order by Method_of_Killing, Year
```

Results   Messages

	Year	Killing Method	Number	Percentage
21	03	Knife or Sharp Implement	88	40.740740740740
22	04	Knife or Sharp Implement	85	45.212765957446
23	05	Knife or Sharp Implement	80	44.198895027624
24	06	Knife or Sharp Implement	77	44.767441860465
25	07	Knife or Sharp Implement	72	44.171779141104
26	08	Knife or Sharp Implement	83	53.548387096774
27	09	Knife or Sharp Implement	58	44.615384615384
28	10	Knife or Sharp Implement	50	39.682539682539
29	11	Knife or Sharp Implement	59	50.427350427350
30	12	Knife or Sharp Implement	51	48.113207547169
31	13	Knife or Sharp Implement	47	43.119266055045
32	14	Knife or Sharp Implement	55	57.894736842105
33	15	Knife or Sharp Implement	60	50.420168067226
34	16	Knife or Sharp Implement	62	54.385964912280
35	17	Knife or Sharp Implement	87	61.702127659574
36	18	Knife or Sharp Implement	82	59.854014598540
37	19	Knife or Sharp Implement	94	61.842105263157
38	20	Knife or Sharp Implement	77	57.894736842105
39	21	Knife or Sharp Implement	92	69.696969696969

Victim Borough

```sql
select Borough as 'Borough', count (*) as Number, count(*) * 100.0 / sum(count(*)) over() as Percentage
from [LDS Homicide Victims 2003-2021]
group by Borough
order by percentage desc
```

Victim Borough.sq...n (MSI\Hing (78))   Victim age.sql -...on (MSI\Hing (77))   Victim Borough by...n (MSI\Hing (59))   Victim S

	Borough	Number	Percentage
1	Ealing	225	8.376768428890
2	Lambeth	158	5.882352941176
3	Newham	145	5.398361876396
4	Southwark	135	5.026061057334
5	Brent	127	4.728220402084
6	Croydon	124	4.616530156366
7	Haringey	122	4.542069992553
8	Hackney	117	4.355919583023
9	Greenwich	117	4.355919583023
10	Lewisham	101	3.760238272524
11	Enfield	97	3.611317944899
12	Tower Hamlets	95	3.536857781087
13	Islington	92	3.425167535368
14	Waltham Forest	91	3.387937453462
15	Westminster	90	3.350707371556
16	Camden	89	3.313477289650
17	Wandsworth	86	3.201787043931
18	Redbridge	81	3.015636634400
19	Barnet	70	2.606105733432
20	Barking & Dagenham	65	2.419955323901
21	Hillingdon	58	2.159344750558
22	Hounslow	58	2.159344750558
23	Hammersmith & Fulham	52	1.935964259121
24	Bromley	41	1.526433358153
25	Havering	39	1.451973194341
26	Bexley	38	1.414743112434
27	Kensington & Chelsea	36	1.340282948622
28	Harrow	30	1.116902457185
29	Kingston Upon Thames	28	1.042442293373
30	Merton	28	1.042442293373
31	Richmond Upon Thames	26	0.967982129560
32	Sutton	23	0.856291883842
33	Heathrow	2	0.074460163812

Victim Borough by year

```sql
select RIGHT(Recorded_Date, 2) as Year, Borough, count (*) as Number, count(*) * 100.0 / sum(count(*)) over(partition by RIGHT(Recorded_Date, 2)) as Percentage
from [LDS Homicide Victims 2003-2021]
group by Borough, RIGHT(Recorded_Date, 2)
order by Borough, Year
```

⊞ Results | 📄 Messages

	Year	Borough	Number	Percentage
124	03	Ealing	14	6.481481481481
125	04	Ealing	16	8.510638297872
126	05	Ealing	15	8.287292817679
127	06	Ealing	15	8.720930232558
128	07	Ealing	14	8.588957055214
129	08	Ealing	10	6.451612903225
130	09	Ealing	5	3.846153846153
131	10	Ealing	12	9.523809523809
132	11	Ealing	10	8.547008547008
133	12	Ealing	10	9.433962264150
134	13	Ealing	20	18.348623853...
135	14	Ealing	10	10.526315789...
136	15	Ealing	12	10.084033613...
137	16	Ealing	8	7.017543859649
138	17	Ealing	16	11.347517730...
139	18	Ealing	6	4.379562043795
140	19	Ealing	14	9.210526315789
141	20	Ealing	13	9.774436090225
142	21	Ealing	5	3.787878787878

⊞ Results | 📄 Messages

	Year	Borough	Number	Percentage
347	03	Lambeth	11	5.092592592592
348	04	Lambeth	9	4.787234042553
349	05	Lambeth	7	3.867403314917
350	06	Lambeth	14	8.139534883720
351	07	Lambeth	22	13.496932515...
352	08	Lambeth	14	9.032258064516
353	09	Lambeth	8	6.153846153846
354	10	Lambeth	8	6.349206349206
355	11	Lambeth	11	9.401709401709
356	12	Lambeth	4	3.773584905660
357	13	Lambeth	5	4.587155963302
358	14	Lambeth	4	4.210526315789
359	15	Lambeth	6	5.042016806722
360	16	Lambeth	2	1.754385964912
361	17	Lambeth	4	2.836879432624
362	18	Lambeth	7	5.109489051094
363	19	Lambeth	7	4.605263157894
364	20	Lambeth	8	6.015037593984
365	21	Lambeth	7	5.303030303030
366	03	Lewisham	6	2.777777777777

⊞ Results | 📄 Messages

	Year	Borough	Number	Percentage
399	03	Newham	12	5.555555555555
400	04	Newham	9	4.787234042553
401	05	Newham	9	4.972375690607
402	06	Newham	14	8.139534883720
403	07	Newham	13	7.975460122699
404	08	Newham	5	3.225806451612
405	09	Newham	7	5.384615384615
406	10	Newham	14	11.111111111...
407	11	Newham	3	2.564102564102
408	12	Newham	3	2.830188679245
409	13	Newham	5	4.587155963302
410	14	Newham	5	5.263157894736
411	15	Newham	5	4.201680672268
412	16	Newham	5	4.385964912280
413	17	Newham	11	7.801418439716
414	18	Newham	4	2.919708029197
415	19	Newham	10	6.578947368421
416	20	Newham	4	3.007518796992
417	21	Newham	7	5.303030303030

Borough population table

```
select * from [housing-density-borough]
```

100 %

Results | Messages

	Code	Name	Year	Source	Population	Inland_Area_Hectares	Total_Area_Hectares	Population_per_hectare	Square_Kilometres	Population_per_square_kilometre
1	9000001.00	City of London	1999	ONS MYE	6581	290.399993896484	314.899993896484	22.7000007629395	2.90000009536743	2266.19995117188
2	9000001.00	City of London	2000	ONS MYE	7014	290.399993896484	314.899993896484	24.2000007629395	2.90000009536743	2415.30004882813
3	9000001.00	City of London	2001	ONS MYE	7359	290.399993896484	314.899993896484	25.2999992370605	2.90000009536743	2534.10009765625
4	9000001.00	City of London	2002	ONS MYE	7280	290.399993896484	314.899993896484	25.1000003814697	2.90000009536743	2506.89990234375
5	9000001.00	City of London	2003	ONS MYE	7115	290.399993896484	314.899993896484	24.5	2.90000009536743	2450.10009765625
6	9000001.00	City of London	2004	ONS MYE	7118	290.399993896484	314.899993896484	24.5	2.90000009536743	2451.19995117188
7	9000001.00	City of London	2005	ONS MYE	7131	290.399993896484	314.899993896484	24.6000003814697	2.90000009536743	2455.60009765625
8	9000001.00	City of London	2006	ONS MYE	7254	290.399993896484	314.899993896484	25	2.90000009536743	2498
9	9000001.00	City of London	2007	ONS MYE	7607	290.399993896484	314.899993896484	26.2000007629395	2.90000009536743	2619.5
10	9000001.00	City of London	2008	ONS MYE	7429	290.399993896484	314.899993896484	25.6000003814697	2.90000009536743	2558.30004882813
11	9000001.00	City of London	2009	ONS MYE	7472	290.399993896484	314.899993896484	25.7000007629395	2.90000009536743	2573.10009765625
12	9000001.00	City of London	2010	ONS MYE	7338	290.399993896484	314.899993896484	25.2999992370605	2.90000009536743	2526.89990234375
13	9000001.00	City of London	2011	GLA Population Projections	7412	290.399993896484	314.899993896484	25.5	2.90000009536743	2552.39990234375
14	9000001.00	City of London	2012	GLA Population Projections	7204	290.399993896484	314.899993896484	24.7999992370605	2.90000009536743	2480.80004882813
15	9000001.00	City of London	2013	GLA Population Projections	6848	290.399993896484	314.899993896484	23.6000003814697	2.90000009536743	2358.19995117188
16	9000001.00	City of London	2014	GLA Population Projections	6872	290.399993896484	314.899993896484	23.7000007629395	2.90000009536743	2366.39990234375
17	9000001.00	City of London	2015	GLA Population Projections	7160	290.399993896484	314.899993896484	24.7000007629395	2.90000009536743	2465.60009765625
18	9000001.00	City of London	2016	GLA Population Projections	7401	290.399993896484	314.899993896484	25.5	2.90000009536743	2548.60009765625
19	9000001.00	City of London	2017	GLA Population Projections	7405	290.399993896484	314.899993896484	25.5	2.90000009536743	2550
20	9000001.00	City of London	2018	GLA Population Projections	7681	290.399993896484	314.899993896484	26.5	2.90000009536743	2645
21	9000001.00	City of London	2019	GLA Population Projections	7953	290.399993896484	314.899993896484	27.3999996185303	2.90000009536743	2738.69995117188
22	9000001.00	City of London	2020	GLA Population Projections	8046	290.399993896484	314.899993896484	27.7000007629395	2.90000009536743	2770.69995117188
23	9000001.00	City of London	2021	GLA Population Projections	8164	290.399993896484	314.899993896484	28.1000003814697	2.90000009536743	2811.39990234375
24	9000001.00	City of London	2022	GLA Population Projections	8289	290.399993896484	314.899993896484	28.5	2.90000009536743	2854.39990234375
25	9000001.00	City of London	2023	GLA Population Projections	8408	290.399993896484	314.899993896484	29	2.90000009536743	2895.39990234375
26	9000001.00	City of London	2024	GLA Population Projections	8526	290.399993896484	314.899993896484	29.3999996185303	2.90000009536743	2936
27	9000001.00	City of London	2025	GLA Population Projections	8661	290.399993896484	314.899993896484	29.7999992370605	2.90000009536743	2982.5
28	9000001.00	City of London	2026	GLA Population Projections	8802	290.399993896484	314.899993896484	30.2999992370605	2.90000009536743	3031.10009765625
29	9000001.00	City of London	2027	GLA Population Projections	8940	290.399993896484	314.899993896484	30.7999992370605	2.90000009536743	3078.60009765625
30	9000001.00	City of London	2028	GLA Population Projections	9075	290.399993896484	314.899993896484	31.2999992370605	2.90000009536743	3125.10009765625
31	9000001.00	City of London	2029	GLA Population Projections	9211	290.399993896484	314.899993896484	31.7000007629395	2.90000009536743	3171.89990234375
32	9000001.00	City of London	2030	GLA Population Projections	9367	290.399993896484	314.899993896484	32.2999992370605	2.90000009536743	3225.60009765625
33	9000001.00	City of London	2031	GLA Population Projections	9508	290.399993896484	314.899993896484	32.7000007629395	2.90000009536743	3274.19995117188
34	9000001.00	City of London	2032	GLA Population Projections	9640	290.399993896484	314.899993896484	33.2000007629395	2.90000009536743	3319.60009765625
35	9000001.00	City of London	2033	GLA Population Projections	9767	290.399993896484	314.899993896484	33.5999984741211	2.90000009536743	3363.39990234375
36	9000001.00	City of London	2034	GLA Population Projections	9892	290.399993896484	314.899993896484	34.0999984741211	2.90000009536743	3406.39990234375

Query executed successfully.   MSI (15.0 RTM) | MSI\Hing (67) | Homicide_London | 00:00:00 | 1,872 rows

Borough population in 2010

```sql
select Name, Population,
Population * 100.00 / (select sum(Population) from [housing-density-borough] where year = '2010' and Name != 'London' and Name != 'Inner London' and Name != 'Outer London') as Percentage
from [housing-density-borough]
where year = '2010' and Name != 'London' and Name != 'Inner London' and Name != 'Outer London'
order by Percentage desc
```

Borough popluatio...n (MSI\Hing (52))*   Select all Boroug...on (MSI\Hing (67))   Victim Borough.sq...n (MSI\Hing (78))   Victim age.sql -...on (MSI\Hing (77))   Victim Borough by...n (MSI\Hing (59))

Results   Messages

	Name	Population	Percentage
1	Croydon	357951	4.4402558086310
2	Barnet	351438	4.3594643425319
3	Ealing	334073	4.1440576468756
4	Bromley	308560	3.8275778872281
5	Enfield	307648	3.8162648491377
6	Brent	304785	3.7807503446941
7	Wandsworth	302620	3.7538942838766
8	Newham	299171	3.7111106562740
9	Lambeth	297650	3.6922431881431
10	Southwark	283777	3.5201535199116
11	Redbridge	275088	3.4123695418777
12	Lewisham	272525	3.3805764315427
13	Hillingdon	269465	3.3426182116344
14	Waltham Forest	254009	3.1508919871562
15	Haringey	252742	3.1351752993706
16	Hounslow	249236	3.0916846068874
17	Greenwich	249171	3.0908783048305
18	Tower Hamlets	248520	3.0828028796147
19	Hackney	241739	2.9986869681119
20	Harrow	237451	2.9454958416521
21	Havering	236234	2.9303993862180
22	Bexley	230711	2.8618885206776
23	Westminster	217187	2.6941280742591
24	Camden	214725	2.6635878332741
25	Islington	200129	2.4825296052407
26	Merton	199136	2.4702117907410
27	Sutton	189321	2.3484601801526
28	Richmond upon Thames	186304	2.3110353600665
29	Barking and Dagenham	182838	2.2680408534645
30	Hammersmith and Fulham	180842	2.2432811779949
31	Kensington and Chelsea	160463	1.9904868761935
32	Kingston upon Thames	158648	1.9679724418361
33	City of London	7338	0.0910252998978

Join Borough population and victim (preparation)

Compare populati...n (MSI\Hing (79))   Borough popluatio...n (MSI\Hing (71))   Victim Borough by...n (MSI\Hing (54))   **Create Borough vi...on (MSI\Hing (75))**   ⊕ ✕ Create Borough Ta...n (M

```sql
select RIGHT(Recorded_Date, 2) as Year, Borough, count (*) as Number, count(*) * 100.0 / sum(count(*)) over(partition by RIGHT(Recorded_Date, 2)) as Percentage
into Borogh_victim_year
from [LDS Homicide Victims 2003-2021]
group by Borough, RIGHT(Recorded_Date, 2)
order by Borough, Year
```

100 % ▾ ◂

📄 Messages

(553 rows affected)

Completion time: 2022-06-23T12:45:55.3947440+01:00

Compare populati...n (MSI\Hing (79))   Borough popluatio...n (MSI\Hing (71))   Victim Borough by...n (MSI\Hing (54))   Create Borough vi...on (MSI\Hing (75))   **Create Borough Ta...n (MSI\Hing (81))**   ⊕ ✕

```sql
select Name, Population, Population * 100.00 / (select sum(Population) from [housing-density-borough] where year = '2010' and Name != 'London' and Name != 'Inner London' and Name != 'Outer London') as Percentage
into Borough_population
from [housing-density-borough]
where year = '2010' and Name != 'London' and Name != 'Inner London' and Name != 'Outer London'
order by Percentage desc
```

100 % ▾ ◂

📄 Messages

(33 rows affected)

Completion time: 2022-06-23T12:41:38.9543087+01:00

```sql
update Borough_population
set Name = replace (Name, 'and ' ,'& ')
```

📄 Messages

(33 rows affected)

Completion time: 2022-06-23T14:39:09.2796639+01:00

Join Borough population and victim

```
select v.year, p.name as Borough, p.population as Population, p.percentage as 'Population percentage', v.number as 'Victim number', v.percentage as 'Victim percentage',
p.percentage-v.percentage as Difference, rank () over (partition by v.year order by p.percentage-v.percentage desc) rank
from borough_population as p
left join borogh_victim_year as v
on p.name = v.borough
order by v.year, Difference desc
```

Results | Messages

	year	Borough	Population	Population percentage	Victim number	Victim percentage	Difference	rank
1	NULL	City of London	7338	0.0910252998978	NULL	NULL	NULL	1
2	03	Bromley	308560	3.8275778872281	1	0.462962962962	3.3646149242661	1
3	03	Barnet	351438	4.3594643425319	3	1.388888888888	2.9705754536439	2
4	03	Wandsworth	302620	3.7538942838766	2	0.925925925925	2.8279683579516	3
5	03	Bexley	230711	2.8618885206776	1	0.462962962962	2.3989255577156	4
6	03	Merton	199136	2.4702117907410	1	0.462962962962	2.0072488277790	5
7	03	Sutton	189321	2.3484601801526	1	0.462962962962	1.8854972171906	6
8	03	Harrow	237451	2.9454958416521	3	1.388888888888	1.5566069527641	7
9	03	Kensington & Chelsea	160463	1.9904868761935	1	0.462962962962	1.5275239132315	8
10	03	Kingston upon Thames	158648	1.9679724418361	1	0.462962962962	1.5050094788741	9
11	03	Enfield	307648	3.8162648491377	5	2.314814814814	1.5014500343237	10
12	03	Havering	236234	2.9303993862180	4	1.851851851851	1.0785475343670	11
13	03	Hillingdon	269465	3.3426182116344	5	2.314814814814	1.0278033968204	12
14	03	Richmond upon Thames	186304	2.3110353600665	3	1.388888888888	0.9221464711785	13
15	03	Lewisham	272525	3.3805764315427	6	2.777777777777	0.6027986537657	14
16	03	Camden	214725	2.6635878332741	5	2.314814814814	0.3487730184601	15
17	03	Croydon	357951	4.4402558086310	9	4.166666666666	0.2735891419650	16
18	03	Redbridge	275088	3.4123695418777	7	3.240740740740	0.1716288011377	17

Borough victim against population by year

```sql
select v.year, p.name as Borough, p.population as Population, p.percentage as 'Population percentage', v.number as 'Victim number', v.percentage as 'Victim percentage',
p.percentage-v.percentage as Difference, rank () over (partition by v.year order by p.percentage-v.percentage desc) rank
from borough_population as p
left join borogh_victim_year as v
on p.name = v.borough
order by p.population desc, p.name, v.year
```
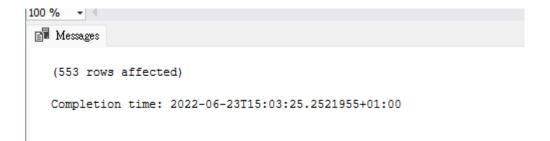
100 %

Results   Messages

	year	Borough	Population	Population percentage	Victim number	Victim percentage	Difference	rank
1	03	Croydon	357951	4.4402558086310	9	4.166666666666	0.2735891419650	16
2	04	Croydon	357951	4.4402558086310	13	6.914893617021	-2.4746378083900	27
3	05	Croydon	357951	4.4402558086310	7	3.867403314917	0.5728524937140	11
4	06	Croydon	357951	4.4402558086310	7	4.069767441860	0.3704883667710	16
5	07	Croydon	357951	4.4402558086310	8	4.907975460122	-0.4677196514910	18
6	08	Croydon	357951	4.4402558086310	6	3.870967741935	0.5692880666960	11
7	09	Croydon	357951	4.4402558086310	6	4.615384615384	-0.1751288067530	18
8	10	Croydon	357951	4.4402558086310	5	3.968253968253	0.4720018403780	9
9	11	Croydon	357951	4.4402558086310	6	5.128205128205	-0.6879493195740	19
10	12	Croydon	357951	4.4402558086310	6	5.660377358490	-1.2201215498590	19
11	13	Croydon	357951	4.4402558086310	5	4.587155963302	-0.1469001546710	17
12	14	Croydon	357951	4.4402558086310	4	4.210526315789	0.2297294928420	10
13	16	Croydon	357951	4.4402558086310	9	7.894736842105	-3.4544810334740	29
14	17	Croydon	357951	4.4402558086310	8	5.673758865248	-1.2335030566170	21
15	18	Croydon	357951	4.4402558086310	3	2.189781021897	2.2504747867340	2
16	19	Croydon	357951	4.4402558086310	7	4.605263157894	-0.1650073492630	17
17	20	Croydon	357951	4.4402558086310	7	5.263157894736	-0.8229020861050	22
18	21	Croydon	357951	4.4402558086310	8	6.060606060606	-1.6203502519750	26

Create table to calculate average rank of 10 years

```
SQLQuery8.sql - M...n (MSI\Hing (62))*    Create Borough vi...on (MSI\Hing (73))    Rank Borough.sql...on (MSI\Hing (66))*    Compare populati...n (MSI\Hing (65))

select v.year, p.name as Borough, p.population as Population, p.percentage as 'Population percentage', v.number as 'Victim number', v.percentage as 'Victim percentage',
p.percentage-v.percentage as Difference, rank () over (partition by v.year order by p.percentage-v.percentage desc) rank
into Borough_rank
from borough_population as p
left join borogh_victim_year as v
on p.name = v.borough
order by p.population desc, p.name, v.year
```

```
100 %   ▼ ◄

Messages

   (553 rows affected)

   Completion time: 2022-06-23T15:03:25.2521955+01:00
```

Borough Rank (least homicide in 2012 – 21)

```sql
select Borough, sum (rank *1.0) /10 as 'Average Rank in 10 years', rank () over (order by sum (rank *1.0) /10) Rank
from Borough_rank
where (year > 11 and year <22) or year is NULL
group by borough
order by sum (rank *1.0) /10
```

	Borough	Average Rank in 10 years	Rank
1	City of London	0.100000	1
2	Bromley	2.300000	2
3	Sutton	3.900000	3
4	Harrow	4.600000	4
5	Merton	6.100000	5
6	Bexley	6.300000	6
7	Havering	7.700000	7
8	Hounslow	7.700000	7
9	Barnet	8.000000	9
10	Rishmond upon Thames	8.400000	10
11	Hillingdon	9.500000	11
12	Hammersmith & Fulham	11.700000	12
13	Kensington & Chelsea	11.800000	13
14	Kingston upon Thames	12.000000	14
15	Enfield	13.900000	15
16	Waltham Forest	14.000000	16

17	Camden	14.100000	17
18	Barking & Dagenham	14.300000	18
19	Wandsworth	14.900000	19
20	Lewisham	15.400000	20
21	Redbridge	16.200000	21
22	Croydon	16.300000	22
23	Southwark	17.700000	23
24	Lambeth	17.800000	24
25	Tower Hamlets	17.800000	24
26	Hackney	18.000000	26
27	Newham	18.400000	27
28	Westminster	19.000000	28
29	Brent	19.200000	29
30	Greenwich	19.500000	30
31	Haringey	19.600000	31
32	Islington	21.200000	32
33	Ealing	26.100000	33

Summary

Finding

- There is increasing trend of Black being victim of homicide.

- There is increasing trend of knife or sharp implement as killing method.

- Some boroughs had less cases of homicide, comparing against its population

Recommendation

- More police force might be required for borough with more cases (say Ealing)

- Further study might be worth to find out why some boroughs (say Ealing) has more case, and why some boroughs (say Bromley) has less case, and whether any finding could be applied.