

Data Management and Analysis Group

**2001 Census:
Health in London -
Age-standardised rates**

**DMAG Briefing 2004/12
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Age-standardised rates for health indicators

Summary

DMAG briefing 2003/16 relating to health indicators in the 2001 Census was produced in June 2003 but since that time there has been some demand for age-standardised rates in relation to some of the health indicators used in that briefing. This is because London's population has a different age profile to England and Wales as a whole and therefore it may be expected that health problems would be more prominent in areas where there is an elderly population.

Age-standardised rates have been calculated for both limiting long-term illness and people with not good health variables from the 2001 Census. Thematic maps have been created to indicate the difference between the two rates.

London has a lower proportion of the population in all age groups 45 and above than England and Wales. Therefore a younger age profile would indicate that, following age standardisation, the rates of people experiencing health problems would increase.

The non age-standardised rate for people with not good health in London is 90 (England and Wales equals 100), which increases to 102 for age-standardised rates. Inner London shows a far bigger difference than outer London (98 to 120 compared with 86 to 92), which is a reflection of the even younger age profile of the population in inner London.

The boroughs with the biggest difference are Tower Hamlets (increase by 40), Newham (39) and Hackney (34), while three boroughs show lower rates after standardisation (Havering, Bromley and City of London).

The rate of people with limiting long-term illness is below the national average before and after age standardisation although there is a difference of 12 points. Again, there is a bigger increase in inner London than outer London, where the rate increased by 21 points compared with seven points in outer London. Indeed, after standardisation, inner London has a higher rate of people with limiting long-term illness than the national average. Where before only three boroughs had a rate above the national average, age standardisation means that 13 boroughs are now above 100.

The age standardisation is slightly different for permanently sick/disabled because the data is for people aged 16-74 and not the whole population as for not good health and limiting long-term illness. The rates for London still increase following standardisation although the change is quite different in some boroughs. Overall the London rate is still below the national average. In outer London the rate remains considerably below the average at 78. However in inner London the rate increases from 97 to 115.

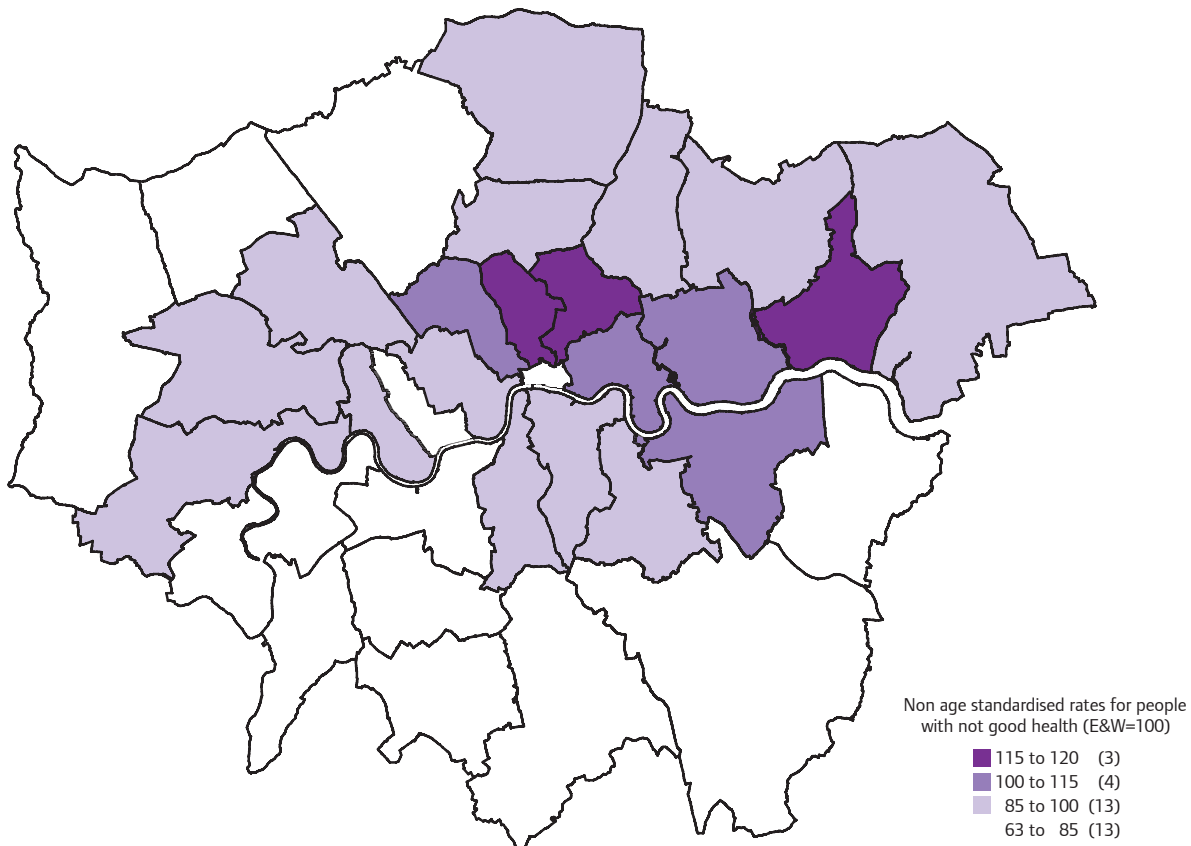
Comparing the three age-standardised health rates of men against women shows some interesting differences across the boroughs. In inner London overall men have higher rates of poor health than women. On the other hand, in outer London women have higher rates of poor health than men. In 23 of the boroughs, women have poorer health than men, 18 of these are outer London boroughs. Harrow has the most significant difference of a higher rate of women than men in poor health. Conversely, nine out of ten of the boroughs where health is poorer among males than females are in inner London. Camden has the biggest gender difference of all London boroughs.

Table 1: All people with not good health

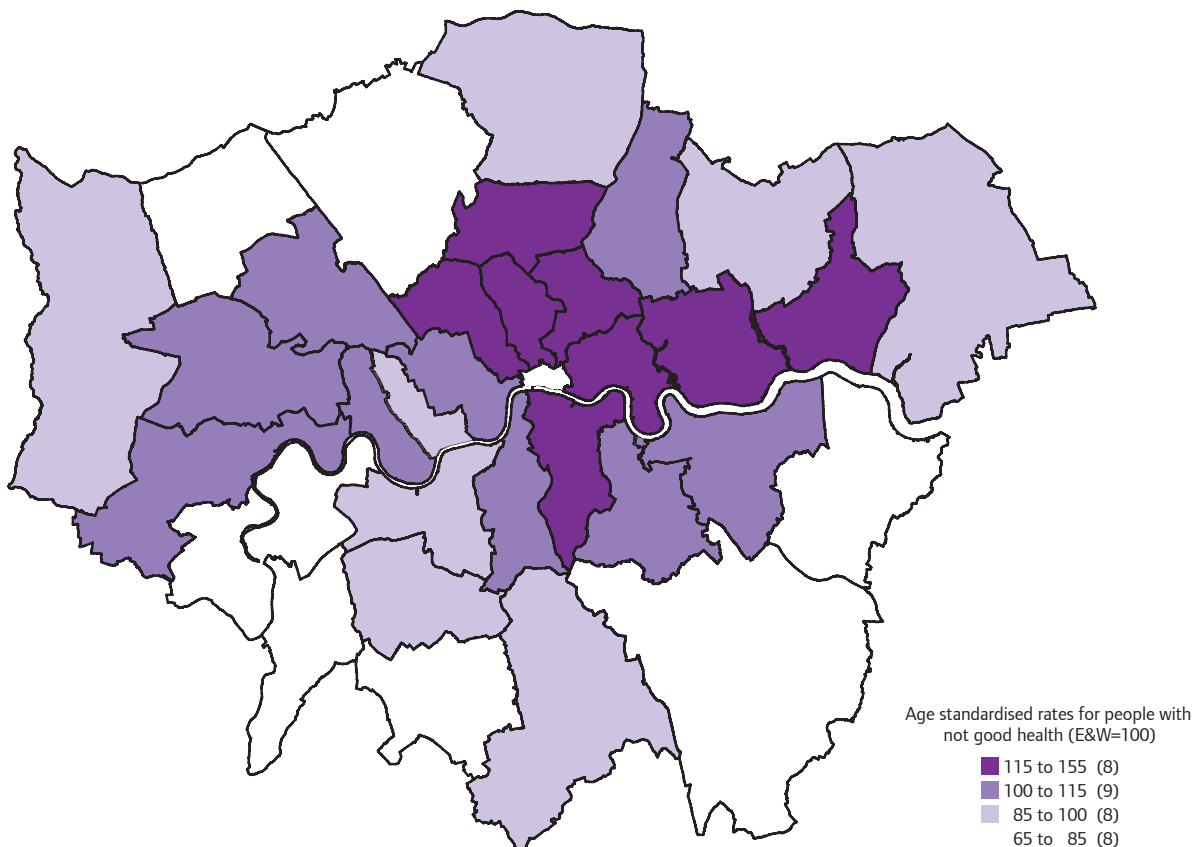
Area name	Number of people with not good health	Non age-standardised rate for people with not good health (E&W=100)	Age-standardised rate for people with not good health (E&W=100)	Upper 95% Confidence Interval	Lower 95% Confidence Interval
City of London	513	83.0	79.1	86.0	72.3
Barking and Dagenham	17,270	117.9	128.5	130.4	126.6
Barnet	21,752	77.9	83.0	84.1	81.9
Bexley	16,035	82.0	82.6	83.8	81.3
Brent	22,280	94.8	110.4	111.8	108.9
Bromley	19,766	75.0	73.1	74.2	72.1
Camden	17,276	101.7	118.7	120.5	116.9
Croydon	24,091	81.7	89.8	91.0	88.7
Ealing	24,102	89.8	103.4	104.7	102.1
Enfield	22,310	91.7	98.6	99.9	97.3
Greenwich	19,409	101.8	114.2	115.8	112.6
Hackney	21,172	116.9	150.7	152.7	148.7
Hammersmith and Fulham	13,225	90.0	107.2	109.0	105.3
Haringey	18,857	97.7	121.3	123.0	119.5
Harrow	14,286	77.4	80.5	81.8	79.2
Havering	17,976	89.7	86.2	87.5	84.9
Hillingdon	17,379	80.9	86.3	87.6	85.0
Hounslow	16,728	88.3	102.0	103.5	100.4
Islington	18,524	119.5	144.0	146.1	141.9
Kensington and Chelsea	11,542	82.5	87.8	89.4	86.2
Kingston upon Thames	8,792	67.9	72.7	74.2	71.2
Lambeth	21,108	89.1	114.5	116.0	112.9
Lewisham	20,439	92.1	109.9	111.4	108.4
Merton	12,950	77.0	85.0	86.5	83.5
Newham	24,320	111.6	150.1	152.0	148.3
Redbridge	19,398	91.3	97.5	98.8	96.1
Richmond upon Thames	9,739	63.8	65.8	67.1	64.5
Southwark	20,767	96.3	118.0	119.6	116.4
Sutton	12,183	76.0	79.9	81.3	78.5
Tower Hamlets	19,930	114.1	154.6	156.8	152.5
Waltham Forest	19,106	98.0	114.1	115.7	112.5
Wandsworth	17,593	76.4	93.3	94.6	91.9
Westminster	14,980	95.1	102.5	104.2	100.9
Inner London	240,230	98.2	119.9	120.4	119.4
Outer London	335,555	85.5	91.9	92.2	91.6
London	575,785	90.4	101.8	102.1	101.5
England and Wales	4,599,891	100.0	100.0	100.1	99.9

Source: 2001 Census, Standard Table ST016

Map 1 Non age-standardised rates for people with not good health



Map 2 Age-standardised rates for people with not good health



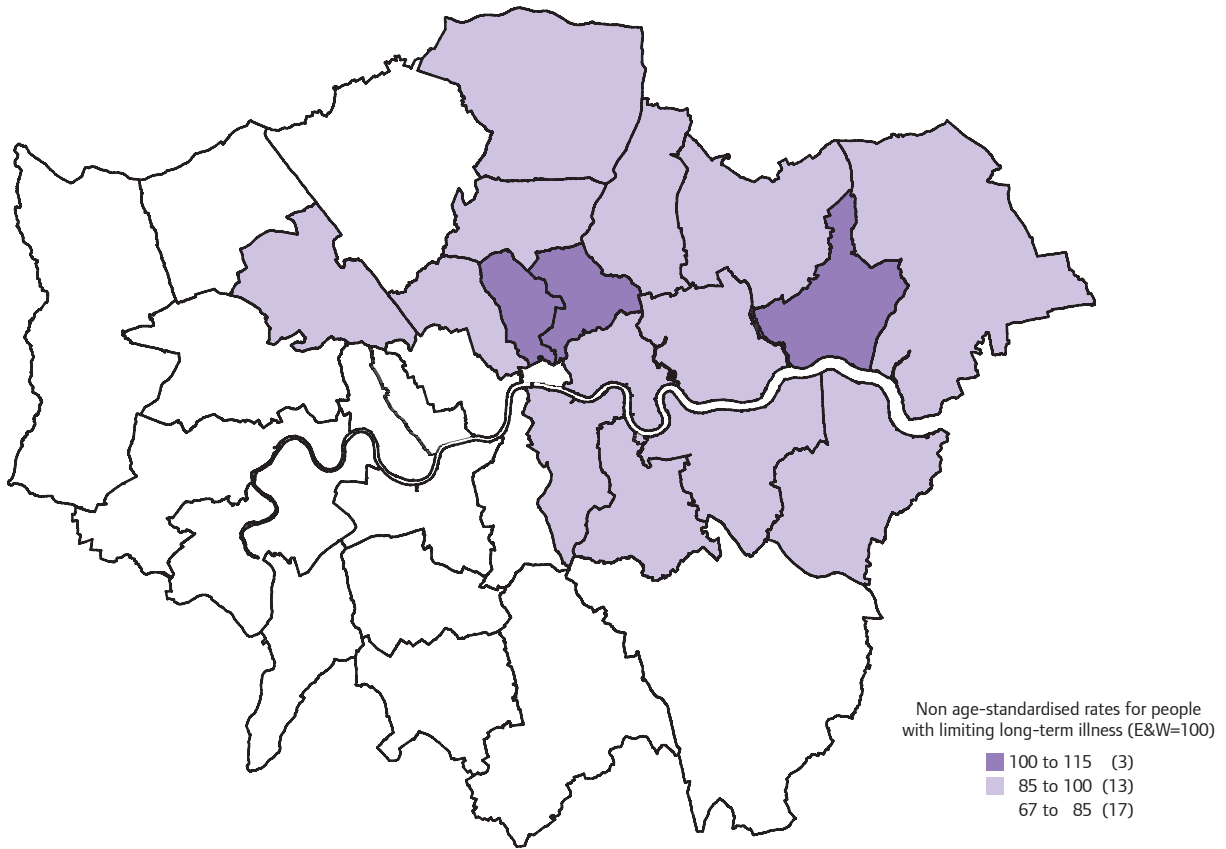
Source: 2001 Census, Standard Table ST016

Table 2: All people with limiting long-term illness

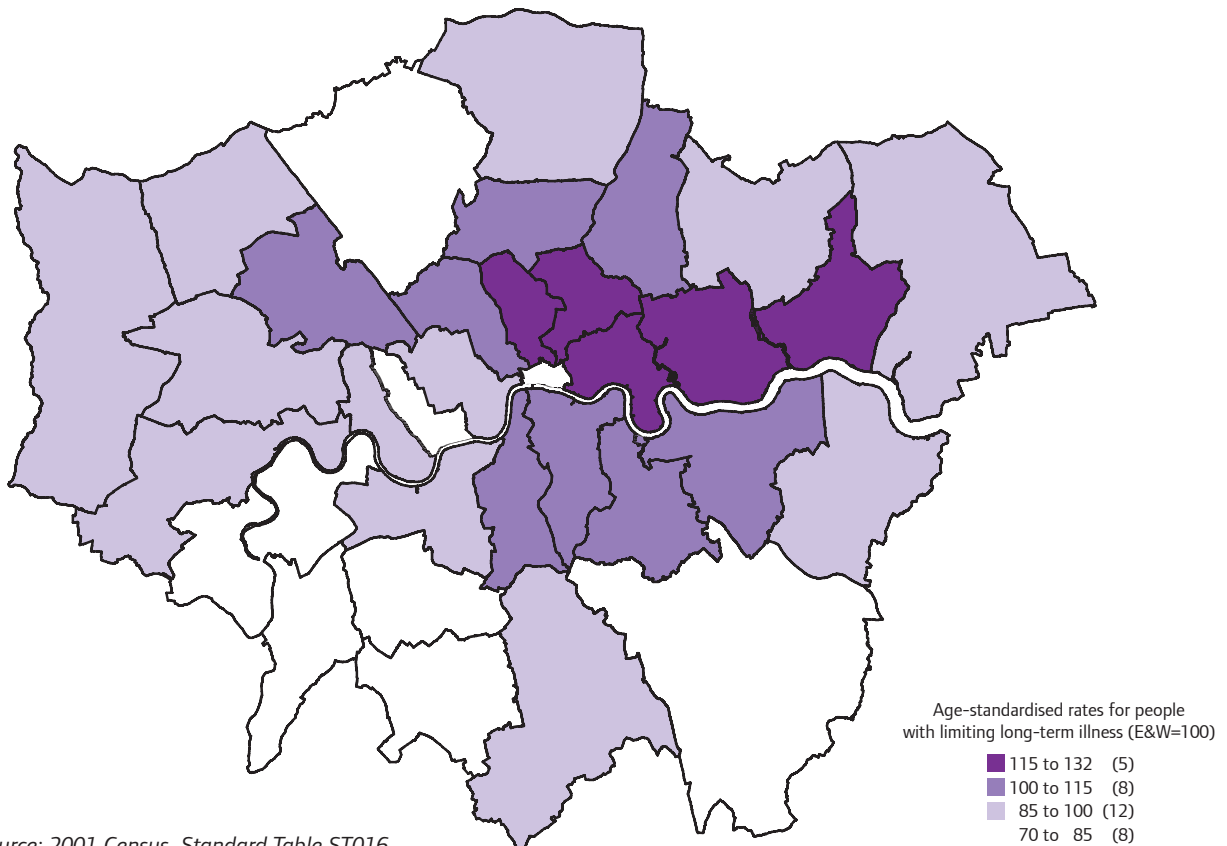
Area name	Number of people with limiting long-term illness	Non age-standardised rate for people with limiting long-term illness (E&W=100)	Age-standardised rate for people with limiting long-term illness (E&W=100)	Upper 95% Confidence Interval	Lower 95% Confidence Interval
City of London	936	77.2	76.1	81.0	71.2
Barking and Dagenham	31,884	111.0	119.9	121.2	118.6
Barnet	43,107	78.7	84.1	84.9	83.3
Bexley	33,061	86.2	86.7	87.7	85.8
Brent	39,926	86.6	101.8	102.7	100.8
Bromley	42,333	81.9	79.9	80.7	79.2
Camden	29,746	89.3	106.1	107.3	104.8
Croydon	46,422	80.3	88.8	89.6	88.0
Ealing	43,718	83.1	96.7	97.6	95.8
Enfield	42,173	88.4	95.3	96.2	94.4
Greenwich	35,869	96.0	107.8	108.9	106.7
Hackney	35,848	101.0	131.3	132.7	129.9
Hammersmith and Fulham	23,534	81.7	99.0	100.3	97.8
Haringey	32,579	86.1	108.3	109.5	107.1
Harrow	29,524	81.6	85.0	86.0	84.1
Havering	37,070	94.4	90.3	91.3	89.4
Hillingdon	34,891	82.8	88.5	89.5	87.6
Hounslow	30,824	83.0	96.8	97.9	95.7
Islington	30,658	100.8	123.6	124.9	122.2
Kensington and Chelsea	20,760	75.7	82.5	83.7	81.4
Kingston upon Thames	17,904	70.5	76.2	77.3	75.1
Lambeth	36,765	79.2	103.4	104.5	102.3
Lewisham	37,524	86.2	103.9	104.9	102.8
Merton	25,026	75.9	84.6	85.6	83.5
Newham	41,231	96.5	129.8	131.0	128.5
Redbridge	37,422	89.8	96.1	97.1	95.1
Richmond upon Thames	20,218	67.5	70.8	71.8	69.8
Southwark	37,161	87.9	108.9	110.0	107.8
Sutton	25,138	80.0	84.3	85.4	83.3
Tower Hamlets	33,021	96.5	130.3	131.7	128.9
Waltham Forest	34,863	91.2	106.8	107.9	105.7
Wandsworth	32,757	72.5	90.1	91.1	89.2
Westminster	25,835	83.6	91.9	93.1	90.8
Inner London	418,348	87.2	107.9	108.2	107.6
Outer London	651,373	84.7	91.3	91.5	91.1
London	1,069,721	85.6	97.2	97.3	97.0
England and Wales	9,019,242	100.0	100.0	100.1	99.9

Source: 2001 Census, Standard Table ST016

Map 3 Non age-standardised rates for people with limiting long-term illness



Map 4 Age-standardised rates for people with limiting long-term illness



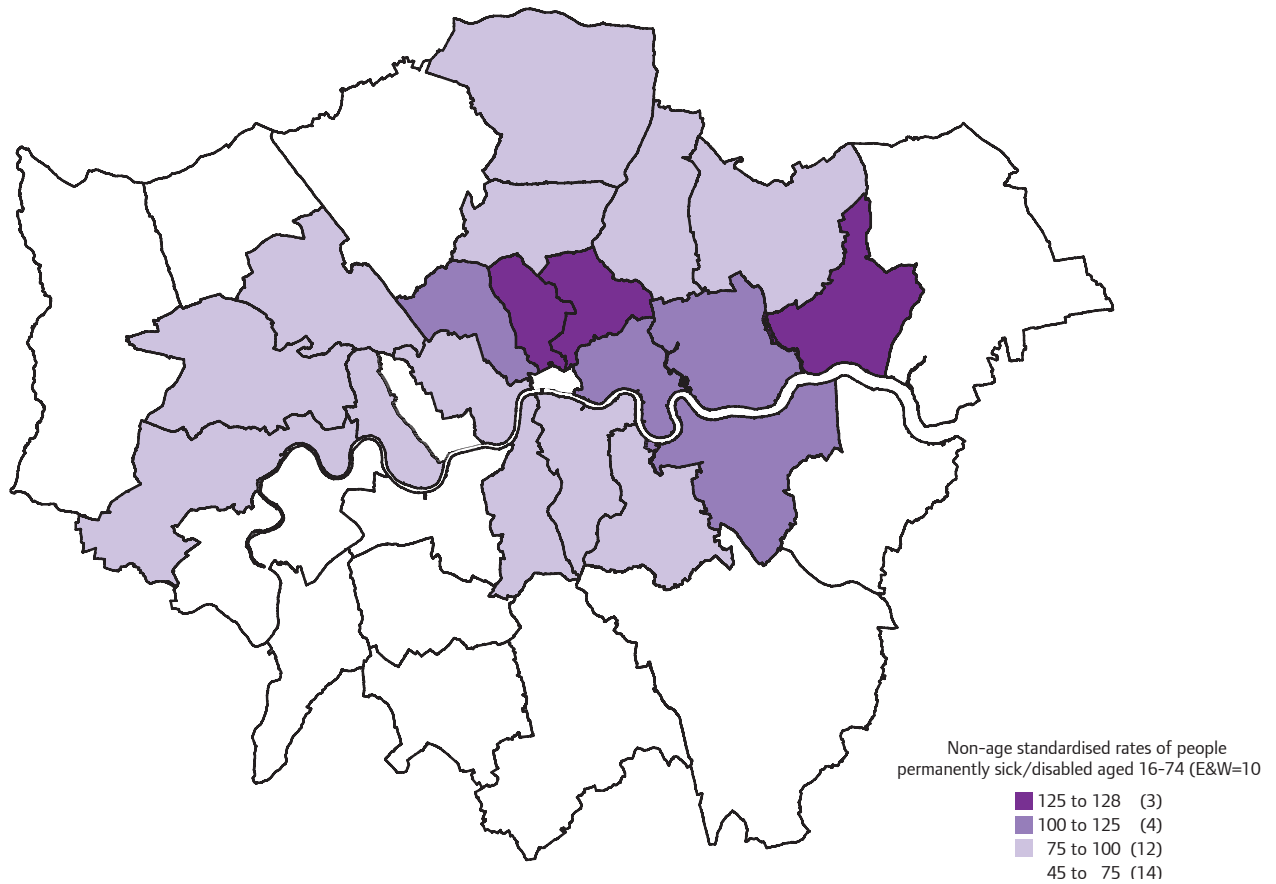
Source: 2001 Census, Standard Table ST016

Table 3: People who are permanently sick/disabled aged 16-74

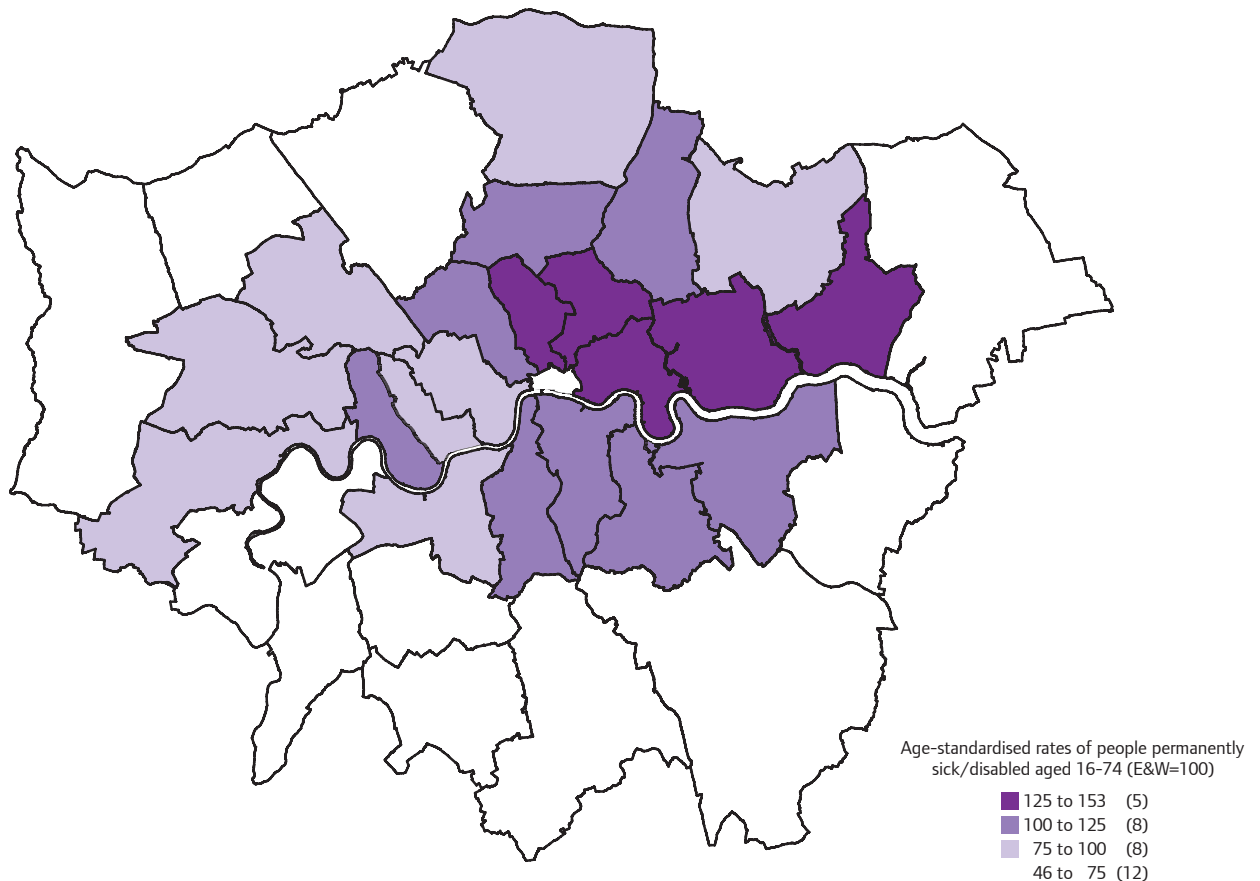
Area name	Number of people aged 16-74 permanently sick/disabled	Non age-standardised rate for people permanently sick/disabled (E&W=100)	Age-standardised rate for people permanently sick/disabled (E&W=100)	Upper 95% Confidence Interval	Lower 95% Confidence Interval
City of London	176	52.7	54.2	62.2	46.2
Barking and Dagenham	7,925	126.4	137.5	140.6	134.5
Barnet	7,868	62.5	66.7	68.2	65.2
Bexley	5,657	65.6	65.3	67.0	63.6
Brent	9,371	85.4	96.4	98.4	94.5
Bromley	6,805	58.0	57.3	58.6	55.9
Camden	8,944	104.4	124.5	127.1	121.9
Croydon	9,063	69.0	72.1	73.6	70.6
Ealing	10,412	83.9	93.8	95.6	92.0
Enfield	9,082	83.2	87.7	89.5	85.9
Greenwich	8,844	104.2	115.0	117.4	112.6
Hackney	10,344	127.6	152.5	155.5	149.6
Hammersmith and Fulham	6,134	85.6	103.0	105.6	100.5
Haringey	8,529	95.0	111.6	114.0	109.3
Harrow	5,119	61.6	63.6	65.4	61.9
Havering	6,653	74.7	72.8	74.5	71.0
Hillingdon	6,578	67.8	71.5	73.2	69.8
Hounslow	7,065	81.3	90.4	92.5	88.3
Islington	9,379	125.2	148.7	151.7	145.7
Kensington and Chelsea	5,045	73.2	78.2	80.4	76.0
Kingston upon Thames	2,786	46.3	50.3	52.1	48.4
Lambeth	9,349	83.0	103.2	105.3	101.1
Lewisham	8,849	87.5	101.1	103.2	99.0
Merton	4,362	56.6	62.3	64.2	60.5
Newham	11,617	123.6	149.5	152.2	146.7
Redbridge	7,527	79.6	83.3	85.2	81.4
Richmond upon Thames	3,193	45.3	46.6	48.2	45.0
Southwark	9,739	96.1	115.5	117.8	113.2
Sutton	4,307	60.4	62.6	64.4	60.7
Tower Hamlets	9,254	116.9	151.6	154.7	148.5
Waltham Forest	7,982	90.9	102.4	104.7	100.2
Wandsworth	7,552	66.8	83.4	85.3	81.5
Westminster	6,898	85.3	97.6	99.9	95.3
Inner London	111,811	96.6	115.4	116.1	114.7
Outer London	130,597	73.8	78.3	78.7	77.9
London	242,408	82.8	91.9	92.3	91.5
England and Wales	2,076,243	100.0	100.0	100.1	99.9

Source: 2001 Census, Standard Table ST028

Map 5 Non age-standardised rates for people permanently sick/disabled aged 16-74

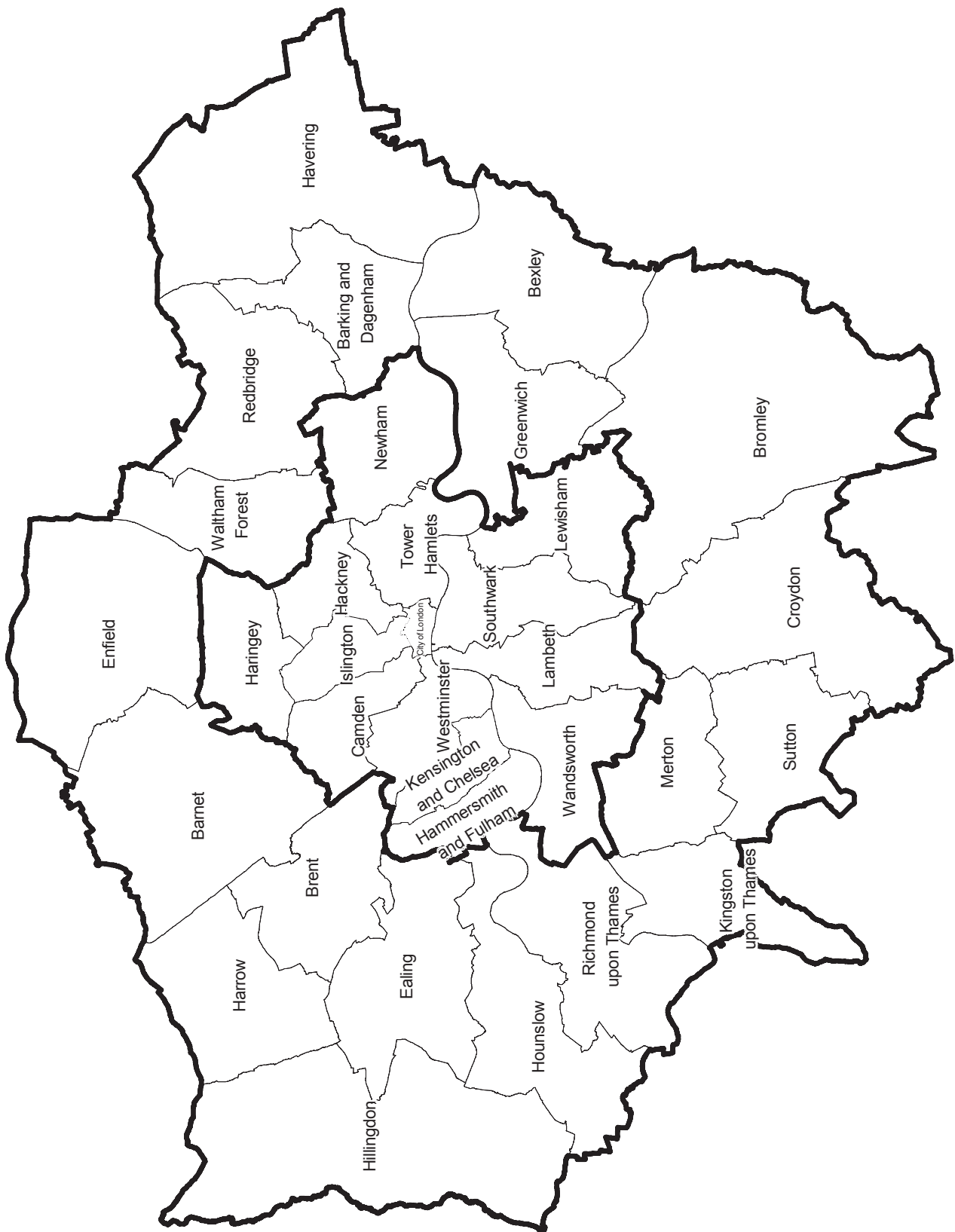


Map 6 Age-standardised rates for people permanently sick/disabled aged 16-74



Source: 2001 Census, Standard Table ST016

London borough map



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