

Title: Evaluating quality and its determinants in lipid control for secondary prevention of heart disease and stroke in primary care – a study in an inner London Borough.

(supplementary data tables).

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Supplementary data:

The following tables provide supplementary data referred to in the response to the peer reviewers comments.

Supplementary table 1: Variation in statin prescribing by age, sex, ethnicity and deprivation index.

Factor	Detail	Current prescription record (%)	95% confidence interval
Age (n = 6711)	16-44	44	37 to 51
	45-54	71	68 to 75
	55-64	83	81 to 85
	65-74	84	82 to 85
	75+	80	78 to 81
Sex (n = 6711)	Male	83	82 to 84
	Female	75	74 to 77
Ethnicity (n = 6711)	White Group	81	79 to 82
	Black/Black British	74	72 to 76
	Asian/Asian British	88	86 to 91
	Mixed groups	78	72 to 84
	Other ethnic groups	83	77 to 89
	Not known/missing	78	75 to 81
IMD (6672)	Least deprived 0-40%	78	72 to 84
	40-60%	80	78 to 83
	60-80%	80	79 to 82
	Most deprived 80-100%	79	77 to 80

Supplementary table 2: Comparison of recording of current (within 15 months) recording of cholesterol status between 2011 & 2013 in cohort of patients with two readings

Cholesterol record in 2013

Cholesterol record in 2011		Yes	No	Total
	Yes	5,557	645	6,202
	Row %	90	10	100
	Column %	83	56	79
	No	1,155	512	1,667
	Row %	69	31	100
	Column %	17	44	21
	Total	6,712	1,157	7,869
	Row %	85	15	100
	Column %	100	100	100

Pearson chi square < 0.0001

Recording of cholesterol improved from 79% to 85% in the cohort of patients who had records in both time periods.

Supplementary table 3: Comparison of current statin prescribing between 2011 & 2013 in cohort of patients with two readings

Current statin prescription record in 2013

Current statin prescription record in 2011		Yes	No	Total
	Yes	4,120	313	4,433
	Row %	93	7	100
	Column %	77	23	66
	No	1,224	1,055	2,279
	Row %	53.71	46.29	100
	Column %	23	77	34
	Total	5,344	1,368	6,712
	Row %	80	20	100
	Column %	100	100	100

Pearson chi square < 0.0001

Recording of current statin prescribing improved from 66% to 80% in the cohort of patients who had records in both time periods.

Supplementary table 4: Comparison of mean total cholesterol by age, sex, ethnicity and deprivation index between 2011 & 2013 in cohort of patients with two readings

Profile characteristics	Number	Mean 2011	Mean 2013	Difference in mean	95% confidence limits	p-value (paired t-test)
Overall	6931	4.50	4.33	0.17	0.14 to 0.19	<0.0001
Age group						
16-44	144	4.77	4.55	0.22	0.02 to 0.41	0.03
45-54	665	4.73	4.55	0.18	0.09 to 0.27	0.0001
55-64	1184	4.64	4.41	0.22	0.16 to 0.29	<0.0001
65-74	1865	4.46	4.31	0.15	0.10 to 0.19	<0.0001
75+	3072	4.40	4.24	0.16	0.13 to 0.19	<0.0001
Sex						
Male	3955	4.35	4.17	0.18	0.15 to 0.21	<0.0001
Female	2976	4.69	4.54	0.15	0.11 to 0.18	<0.0001
Ethnic category						
White Group	3860	4.51	4.35	0.16	0.14 to 0.20	<0.0001
Black/Black British group	1442	4.50	4.36	0.14	0.10 to 0.20	<0.0001
Asian/Asian British	607	4.28	4.10	0.18	0.10 to 0.26	<0.0001
Mixed groups	183	4.41	4.29	0.12	- 0.02 to 0.27	0.08
Other ethnic groups	166	4.35	4.23	0.12	-0.02 to 0.26	0.09
Not known/missing	673	4.65	4.43	0.22	0.15 to 0.30	<0.0001
IMD						
Least deprived (0-40%)	178	4.54	4.27	0.27	0.14 to 0.41	0.0001
40-60%	836	4.49	4.25	0.24	0.18 to 0.30	<0.0001
60-80%	3376	4.51	4.34	0.17	0.14 to 0.20	<0.0001
Most deprived	2500	4.48	4.35	0.13	0.10 to 0.17	<0.0001

Note greater improvements in mean total cholesterol seen in younger age groups, men (compared to women), Asian/Asian British and least deprived categories compared to most deprived groups. However none of these differential impacts are significantly different within each category analysed.