

APPENDIX 1: Effect of choice of measure.

Table A1:1 Estimated incident rate ratios, associated 95% confidence intervals and associated *p* values for negative binomial regression for premature (U75) CHD mortality count.

	IRR	95% CI	<i>p</i> value
Percentage white patients	1.007	(1.003, 1.012)	0.002
Deprivation score	1.018	(1.012, 1.024)	<0.001
Prevalence of diabetes 2006/07	1.114	(1.029, 1.207)	0.008
Percentage over 65	1.051	(1.030, 1.072)	<0.001
Number of GPs per 1000 patients	1.173	(0.866, 1.589)	0.304
Percentage male patients	1.063	(1.028, 1.098)	<0.001
Prevalence of hypertension 2006/07	0.981	(0.953, 1.009)	0.182
CHD quality achievement score (after Kiran et al)	0.988	(0.978, 0.999)	0.037
% of patients with recalled perception of being able to see preferred GP	0.995	(0.989, 1.000)	0.061

APPENDIX 2: Effect of model choice

Table A2:1 Estimated regression coefficients for **weighted linear regression** showing the association between two CHD indicators and indirectly standardised **premature (U75) CHD mortality rate**.

	Coefficients	95% CI	<i>p</i> value
Percentage white patients	0.36	-0.08 to 0.80	0.105
Deprivation score	2.30	1.59 to 3.01	<0.001
Prevalence of diabetes 2006/07	2.53	-5.69 to 10.75	0.545
List size	-0.00038	-0.00025 to 0.00032	0.790
Percentage over 65	2.06	0.13 to 3.99	0.037
Number of GPs per 1000 patients	16.63	-15.39 to 48.64	0.307
Percentage male patients	2.95	-0.78 to 6.68	0.121
Prevalence of hypertension 2006/07	-2.74	-5.61 to 0.14	0.062
% patients offered smoking cessation advice (SM02)	0.67	-0.15 to 1.50	0.111
% serum cholesterol (CHD08)	-0.24	-1.15 to 0.67	0.607
% aspirin (CHD09)	0.24	-1.47 to 1.95	0.782
% of patients with recalled perception of being able to see preferred GP	-0.88	-1.43 to -0.33	0.002
R ²	0.31		

Table A2: 2 Estimated regression coefficients for weighted linear regression showing the association between 'Kiran' CHD quality achievement score and indirectly standardised **premature (U75) CHD mortality rate**.

	Coefficients	95% CI	<i>p</i> value
Percentage white patients	0.34	-0.110 to 0.78	0.132
Deprivation score	2.32	1.62 to 3.03	<0.001
Prevalence of diabetes 2006/07	2.30	-5.94 to 10.53	0.583
List size	-0.000057	-0.00022 to 0.00034	0.688
Percentage over 65	1.79	-0.11 to 3.69	0.064
Number of GPs per 1000 patients	16.63	-15.47 to 48.72	0.308
Percentage male patients	2.72	-1.00 to 6.45	0.151
Prevalence of hypertension 2006/07	-2.51	-5.37 to 0.34	0.084
CHD quality achievement score (after Kiran et al)	-0.20	-0.85 to 1.25	0.711
% of patients with recalled perception of being able to see preferred GP	-0.865	-1.41 to -0.32	0.002
R ²	0.31		

APPENDIX 3: Comparison with all age mortality

Table A3:1 Estimated incident rate ratios and associated 95% confidence intervals and significance levels for negative binomial regression for two CHD indicators and all age CHD mortality rate.

	<i>IRR</i>	<i>95% CI</i>	<i>P value</i>
Percentage white patients	1.007	(1.003, 1.010)	<0.001
Deprivation score	1.013	(1.008, 1.017)	<0.001
Prevalence of diabetes 2006/07	1.089	(1.028, 1.153)	0.004
Percentage over 65	1.074	(1.059, 1.089)	<0.001
Number of GPs per 1000 patients	1.039	(0.830, 1.279)	0.725
Percentage male patients	1.008	(0.984, 1.033)	0.598
Prevalence of hypertension 2006/07	0.989	(0.969, 1.008)	0.249
% patients offered smoking cessation advice (SM02)	1.005	(0.999, 1.011)	0.117
% serum cholesterol (CHD08)	0.993	(0.986, 1.000)	0.036
% aspirin (CHD09)	0.995	(0.981, 1.009)	0.454
% of patients with recalled perception of being able to see preferred GP	0.998	(0.994, 1.002)	0.418

Table A3: 2 Estimated incident rate ratios and associated 95% confidence intervals and significance levels for negative binomial regression for 'Kiran' CHD quality achievement score and all age CHD mortality rate.

	<i>IRR</i>	<i>95% CI</i>	<i>p Value</i>
Percentage white patients	1.006	(1.003, 1.010)	<0.001
Deprivation score	1.013	(1.009, 1.018)	<0.001
Prevalence of diabetes 2006/07	1.086	(1.024, 1.150)	0.005
Percentage over 65	1.074	(1.059, 1.089)	<0.001
Number of GPs per 1000 patients	1.022	(0.822, 1.271)	0.844
Percentage male patients	1.006	(0.982, 1.031)	0.639
Prevalence of hypertension 2006/07	0.990	(0.971, 1.010)	0.334
CHD quality achievement score (after Kiran et al)	0.992	(0.984, 0.999)	0.033
% of patients with recalled perception of being able to see preferred GP	0.999	(0.995, 1.003)	0.564

Table A3:3 Estimated regression coefficients for weighted linear regression showing the association between two CHD indicators and indirectly standardised all age CHD mortality rate.

	<i>Coefficients</i>	<i>95% CI</i>	<i>p Value</i>
Percentage white patients	0.45	0.14 to 0.75	0.004
Deprivation score	1.33	0.87 to 1.80	<0.001
Prevalence of diabetes 2006/07	6.08	0.65 to 11.52	0.028
List size	0.000052	-0.00015 to 0.00025	0.610
Percentage over 65	0.269	-1.07 to 1.61	0.693
Number of GPs per 1000 patients	5.54	-16.65 to 27.72	0.623
Percentage male patients	-2.37	-4.63 to -0.114	0.040
Prevalence of hypertension 2006/07	-1.24	-3.25 to 0.77	0.225
% patients offered smoking cessation advice (SM02)	0.38	-0.21 to 0.97	0.205
% serum cholesterol (CHD08)	-0.34	-0.95 to 0.27	0.275
% aspirin (CHD09)	-0.80	-2.10 to 0.50	0.227
% of patients with recalled perception of being able to see preferred GP	-0.20	-0.57 to 0.17	0.284
R ²	0.32		

Table A3:4 Estimated regression coefficients for weighted linear regression showing the association between 'Kiran' CHD quality achievement score and indirectly standardised all age CHD mortality rate.

	<i>Coefficients</i>	<i>95% CI</i>	<i>p Value</i>
Percentage white patients	0.44	0.13 to 0.75	0.005
Deprivation score	1.37	0.91 to 1.83	<0.001
Prevalence of diabetes 2006/07	6.25	0.79 to 11.71	0.025
List size	0.000034	-0.00017 to 0.00023	0.736
Percentage over 65	0.317	-1.01 to 1.64	0.638
Number of GPs per 1000 patients	5.44	-16.92 to 27.79	0.632
Percentage male patients	-2.71	-4.95 to -0.46	0.018
Prevalence of hypertension 2006/07	-0.916	-2.835 to 1.003	0.348
CHD quality achievement score (after Kiran et al)	-0.382	-1.12 to 0.360	0.311
% of patients with recalled perception of being able to see preferred GP	-0.178	-0.55 to 0.195	0.348
R ²	0.31		