

ADDITIONAL FILE 6 Absolute change in cardiovascular risk factors in men aged 16-54 years, by deprivation quintiles (1/2)

		England	Q1 Most affluent	Q2	Q3	Q4	Q5 Most deprived
Cigarette Smoking (%)	1994	32.7 (31.4 to 34.1)	26.4 (23.4 to 29.4)	28.4 (25.3 to 31.4)	30.6 (27.7 to 33.5)	38.2 (34.7 to 41.8)	42.2 (38.9 to 45.5)
	2008	28.2 (26.6 to 29.8)	21.4 (17.8 to 25.1)	23.0 (19.7 to 26.4)	24.7 (21.6 to 27.9)	32.3 (28.6 to 35.9)	40.6 (36.7 to 44.5)
	<i>Change from 1994</i>	-4.6 (-6.7 to -2.4)	-5.0 (-9.7 to -0.3)	-5.3 (-9.9 to -0.8)	-5.9 (-10.1 to -1.6)	-5.9 (-11.0 to -0.8)	-1.6 (-6.7 to 3.5)
	<i>P-value</i>	(<0.000)	(0.039)	(0.021)	(0.007)	(0.022)	(0.539)
BMI (kg/m²)	1994	25.5 (25.4 to 25.7)	25.5 (25.3 to 25.8)	25.6 (25.3 to 25.8)	25.5 (25.3 to 25.8)	25.6 (25.3 to 25.9)	25.4 (25.0 to 25.7)
	2008	26.5 (26.3 to 26.7)	26.5 (26.1 to 26.9)	26.8 (26.4 to 27.1)	26.4 (26.0 to 26.8)	26.5 (26.1 to 26.9)	26.5 (26.1 to 26.9)
	<i>Change from 1994</i>	1.0 (0.8 to 1.2)	1.0 (0.5 to 1.4)	1.2 (0.7 to 1.6)	0.8 (0.4 to 1.3)	0.9 (0.4 to 1.4)	1.2 (0.7 to 1.7)
	<i>P-value</i>	(<0.000)	(<0.000)	(<0.000)	(<0.000)	(<0.000)	(<0.000)
Obesity (%)	1994	12.1 (11.1 to 13.0)	11.4 (9.4 to 13.4)	9.9 (8.0 to 11.9)	12.8 (10.8 to 14.7)	13.8 (11.4 to 16.2)	12.5 (10.1 to 14.9)
	2008	20.5 (19.1 to 21.9)	20.4 (17.3 to 23.6)	21.3 (18.1 to 24.5)	18.4 (15.3 to 21.4)	21.3 (17.9 to 24.6)	21.2 (18.1 to 24.2)
	<i>Change from 1994</i>	8.4 (6.7 to 10.2)	9.0 (5.3 to 12.7)	11.4 (7.6 to 15.1)	5.6 (2.0 to 9.3)	7.4 (3.3 to 11.5)	8.7 (4.8 to 12.5)
	<i>P-value</i>	(<0.000)	(<0.000)	(<0.000)	(0.002)	(<0.000)	(<0.000)
Diabetes (%)	1994	1.3 (1.0 to 1.6)	1.3 (0.6 to 2.0)	1.4 (0.6 to 2.1)	0.9 (0.3 to 1.5)	0.8 (0.2 to 1.5)	2.3 (1.2 to 3.3)
	2006	2.6 (2.1 to 3.2)	1.5 (0.6 to 2.4)	2.8 (1.4 to 4.2)	2.2 (1.2 to 3.2)	2.8 (1.5 to 4.0)	4.1 (2.7 to 5.6)
	<i>Change from 1994</i>	1.3 (0.7 to 2.0)	0.2 (-0.9 to 1.4)	1.4 (-0.1 to 3.0)	1.3 (0.1 to 2.5)	1.9 (0.5 to 3.3)	1.9 (0.1 to 3.6)
	<i>P-value</i>	(<0.000)	(0.667)	(0.069)	(0.027)	(0.007)	(0.036)
High physical activity (%)	1998	27.8 (26.4 to 29.3)	28.2 (25.2 to 31.1)	29.5 (26.5 to 32.5)	28.3 (25.2 to 31.5)	26.8 (23.9 to 29.7)	26.2 (23.0 to 29.3)
	2008	36.3 (34.6 to 38.0)	38.7 (34.7 to 42.7)	36.5 (32.3 to 40.6)	36.9 (33.2 to 40.5)	36.8 (33.1 to 40.4)	32.4 (28.8 to 36.1)
	<i>Change from 1998</i>	8.5 (6.3 to 10.7)	10.6 (5.6 to 15.6)	7.0 (1.9 to 12.1)	8.5 (3.7 to 13.3)	10.0 (5.3 to 14.6)	6.3 (1.5 to 11.1)
	<i>P-value</i>	(<0.000)	(<0.000)	(0.007)	(0.001)	(<0.000)	(0.010)
SBP (mmHg)	1994	129.5 (129.0 to 129.9)	129.3 (128.3 to 130.2)	129.1 (128.1 to 130.1)	129.6 (128.7 to 130.5)	129.2 (128.3 to 130.1)	130.3 (129.3 to 131.3)
	2008	126.2 (125.6 to 126.7)	124.5 (123.4 to 125.7)	126.8 (125.5 to 128.1)	127.3 (126.0 to 128.6)	126.3 (125.1 to 127.6)	126.0 (124.6 to 127.4)
	<i>Change from 1994</i>	-3.3 (-4.0 to -2.6)	-4.7 (-6.2 to -3.2)	-2.3 (-3.9 to -0.7)	-2.3 (-3.8 to -0.7)	-2.9 (-4.4 to -1.3)	-4.3 (-6.0 to -2.6)
	<i>P-value</i>	(<0.000)	(<0.000)	(0.005)	(0.005)	(<0.000)	(<0.000)
SBP ≥ 140 mmHg (%)	1994	17.0 (15.6 to 18.3)	15.8 (13.1 to 18.4)	17.7 (15.0 to 20.5)	17.2 (14.5 to 20.0)	15.1 (12.4 to 17.8)	19.3 (16.0 to 22.5)
	2008	13.5 (12.0 to 15.0)	10.0 (7.2 to 12.7)	13.9 (10.4 to 17.3)	16.1 (12.4 to 19.8)	14.2 (11.0 to 17.4)	13.8 (10.3 to 17.4)
	<i>Change from 1994</i>	-3.5 (-5.5 to -1.4)	-5.8 (-9.6 to -1.9)	-3.9 (-8.3 to 0.6)	-1.1 (-5.7 to 3.5)	-0.9 (-5.0 to 3.3)	-5.4 (-10.2 to -0.6)
	<i>P-value</i>	(0.001)	(0.003)	(0.086)	(0.636)	(0.678)	(0.027)

ADDITIONAL FILE 6 Absolute change in cardiovascular risk factors in men aged 16-54 years, by deprivation quintiles (2/2)							
		England	Q1 Most affluent	Q2	Q3	Q4	Q5 Most deprived
Total cholesterol (mmol/l)	1994	5.6 (5.5 to 5.6)	5.5 (5.5 to 5.6)	5.6 (5.5 to 5.7)	5.5 (5.4 to 5.6)	5.5 (5.4 to 5.6)	5.6 (5.5 to 5.7)
	2008	5.2 (5.2 to 5.3)	5.2 (5.1 to 5.3)	5.2 (5.1 to 5.4)	5.2 (5.0 to 5.3)	5.3 (5.1 to 5.4)	5.2 (5.1 to 5.3)
	<i>Change from 1994</i>	-0.3 (-0.4 to -0.3)	-0.4 (-0.5 to -0.2)	-0.4 (-0.5 to -0.2)	-0.4 (-0.5 to -0.2)	-0.2 (-0.4 to 0.0)	-0.4 (-0.6 to -0.2)
	<i>P-value</i>	(<0.000)	(<0.000)	(<0.000)	(<0.000)	(0.016)	(<0.000)
Total cholesterol ≥ 5.0 mmol/l (%)	1994	66.1 (64.3 to 67.8)	67.9 (64.5 to 71.3)	65.7 (61.9 to 69.5)	65.3 (61.4 to 69.2)	64.8 (61.0 to 68.6)	66.6 (62.5 to 70.7)
	2008	56.3 (53.6 to 59.1)	55.4 (49.8 to 61.0)	56.1 (50.3 to 61.9)	56.0 (50.5 to 61.6)	56.1 (49.7 to 62.6)	58.3 (52.8 to 63.8)
	<i>Change from 1994</i>	-9.7 (-12.9 to -6.5)	-12.5 (-19.0 to -6.0)	-9.6 (-16.5 to -2.7)	-9.2 (-16.0 to -2.4)	-8.7 (-16.1 to -1.2)	-8.3 (-15.2 to -1.5)
	<i>P-value</i>	(<0.000)	(<0.000)	(0.006)	(0.008)	(0.023)	(0.017)
Fruit and vegetable consumption (portions per day)	2001	3.0 (3.0 to 3.1)	3.3 (3.1 to 3.4)	3.1 (3.0 to 3.3)	3.1 (2.9 to 3.2)	2.8 (2.7 to 3.0)	2.9 (2.7 to 3.0)
	2008	3.4 (3.3 to 3.4)	3.5 (3.4 to 3.7)	3.5 (3.3 to 3.7)	3.3 (3.1 to 3.5)	3.4 (3.2 to 3.6)	3.0 (2.8 to 3.2)
	<i>Change from 2001</i>	0.3 (0.2 to 0.4)	0.3 (0.0 to 0.5)	0.4 (0.1 to 0.6)	0.3 (0.0 to 0.5)	0.5 (0.2 to 0.8)	0.2 (-0.1 to 0.4)
	<i>P-value</i>	(<0.000)	(0.040)	(0.003)	(0.058)	(<0.000)	(0.234)
Fruit and vegetable consumption (≥ 5 portions per day) (%)	2001	19.4 (18.2 to 20.7)	21.7 (19.1 to 24.4)	19.7 (17.1 to 22.3)	19.5 (16.6 to 22.4)	17.3 (14.8 to 19.7)	18.8 (15.9 to 21.7)
	2008	23.3 (21.8 to 24.8)	26.4 (23.0 to 29.8)	23.9 (20.6 to 27.2)	23.0 (19.5 to 26.4)	23.0 (19.9 to 26.2)	19.8 (16.5 to 23.1)
	<i>Change from 2001</i>	3.9 (1.9 to 5.8)	4.7 (0.3 to 9.0)	4.2 (0.0 to 8.4)	3.5 (-1.0 to 7.9)	5.8 (1.8 to 9.7)	1.0 (-3.4 to 5.4)
	<i>P-value</i>	(<0.000)	(0.035)	(0.052)	(0.130)	(0.004)	(0.649)