

Evaluating the pulse of the nation

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Table 1. Pulse (average of three readings) - resting heart rate

	(1)	(2)	(3)	(4)	(5) London & South East
Financial crisis	.7025 (1.51)	.3433 (1.02)	.8366 (1.81)	1.0992 (2.17)	2.0495 (1.86)
7/7 bombings	.8473 (2.45)	.5631 (2.02)	.8725 (2.51)	1.0651 (2.81)	2.1400 (2.57)
9/11 attack	-.2398 (0.84)	-.3124 (1.34)	-.3632 (1.28)	-.3274 (1.06)	-.5313 (0.77)
Iraq invasion	-.1122 (0.38)	-.0003 (0.00)	-.0971 (0.33)	-.1437 (0.45)	-.3287 (0.48)
Age		-.0191 (8.48)	-.0194 (4.54)	-.0181 (7.66)	-.0204 (2.08)
Male		-3.0042 (35.87)	-2.8000 (31.90)	-2.7639 (28.79)	-2.7554 (13.35)
Mixed race		.4172 (0.89)	.0353 (0.07)	.1419 (0.27)	.9223 (1.02)
Black		1.1436 (4.92)	1.2664 (4.72)	.7623 (2.52)	1.2635 (2.74)
Asian		2.9378 (18.68)	3.9553 (19.25)	3.5881 (14.99)	4.1691 (10.07)
Other race		.0426 (0.14)	.1609 (0.47)	-.0508 (0.13)	.4577 (0.76)
BMI			.2087 (23.50)	.2068 (21.34)	.2322 (11.06)
Current smoker			3.6378 (33.36)	3.5834 (30.02)	3.2900 (12.77)
Used to smoke			.2279 (2.11)	.2530 (2.14)	.3885 (1.53)
Unemployed			.8954 (4.21)	.4289 (1.80)	.0426 (0.09)
Retired			.1277 (0.83)	-.1513 (0.88)	-.0565 (0.15)
Other OLF			1.9064 (15.44)	1.6536 (11.70)	1.4713 (4.91)
Married			-1.0825 (7.93)	-1.0418 (6.91)	-.7121 (2.32)
Separated			-.2354 (0.86)	-.1803 (0.61)	-.3783 (0.61)
Divorced			.1504 (0.71)	.1052 (0.46)	.5648 (1.16)
Widowed			-.0732 (0.34)	-.0555 (0.24)	.2894 (0.56)
Living together			-.8419 (4.36)	-.7808 (3.73)	-.7357 (1.65)
Log income				-.5058 (7.32)	-.6618 (4.87)
Month dummies	11	11	11	11	11
Year dummies	9	9	9	9	9
Schooling dummies	0	0	7	7	7
Region dummies	0	0	8	8	1
Constant	70.4194	72.6232	69.8957	71.6491	70.0547
N	92,558	92,440	84,898	72,381	19,445
Adjusted R ²	.0018	.0188	.0506	.0506	.0406

Notes: 9/11 attack is September-November 2001; 7/7 bombings are July-September 2005 and Financial Crisis is October - December, 2008 and Iraq invasion is March-May 2003.

Source: Health Surveys of England, 1998-2009.

Table 2. Disaggregated Pulse (Equation 4 Table 1) excluding 9/11 attack and Iraq variables.

	Financial crisis	7/7 bombings	N
All	1.0893 (2.16)	1.0607 (2.80)	72,381
London and South East	2.0460 (1.86)	2.1233 (2.55)	19,445
Rest England	.7685 (1.37)	.7142 (1.70)	52,936
Male	.6646 (0.84)	1.7710 (2.97)	33,170
Female	1.4239 (2.21)	.4441 (0.92)	39,211
Age<30	1.0475 (0.85)	.4081 (0.41)	13,326
Age ≥30 & <45	1.1595 (1.41)	-.0442 (0.06)	21,153
Age ≥45 & <60	1.2115 (1.55)	1.9935 (3.11)	23,162
Age ≥65	.3876 (0.28)	1.4397 (1.70)	14,740
Working	1.3720 (2.31)	.6753 (1.40)	40,641
Unemployed	.0734 (0.03)	-.1466 (0.07)	3,516
Retired	-.3311 (0.28)	1.0233 (1.31)	15,583
Other OLF	3.0992 (2.04)	2.4809 (2.26)	12,641
White	1.2199 (2.32)	1.1658 (2.95)	63,280
Non-white	-1.3308 (0.71)	-1.0239 (0.67)	9,101
Married	1.2353 (1.83)	1.4224 (2.87)	40,805
Non-married	.9820 (1.29)	.5204 (0.88)	31,576

Table 3. Pulse rate characteristics

	Mean	SD
Pulse average	70.92	12.28
Pulse 1	70.62	12.76
Pulse 2	70.91	12.57
Pulse 3	71.27	12.64
Male	69.40	13.08
Female	72.19	11.43
Asian	73.48	11.03
Black	72.01	11.24
Cigarette smoker	73.69	11.64