

Electronic supplementary material

ESM Table 1 Characteristics of the study period

Date	Meteorological factors			HbA _{1c} per group							
	Sunshine (h per month)	Solar irradiance (J/cm ²)	Ambient temperature (°C)	Preschool children (%)				Schoolchildren (%)			
				<i>n</i>	Median	Q25	Q75	<i>n</i>	Median	Q25	Q75
Aug-06	166.4	39671	17.1	3	7.00	6.60	8.40	60	7.65	7.05	8.70
Sep-06	226	41653	16.1	4	7.40	6.65	8.05	96	7.45	6.95	8.10
Oct-06	125.6	22213	10.9	6	7.55	7.10	8.40	87	7.80	7.20	8.90
Nov-06	50.8	8489	6.0	4	6.40	6.25	6.65	66	7.80	7.10	8.40
Dec-06	59	6079	3.8	4	7.40	6.70	7.60	52	7.60	7.00	8.75
Jan-07	44.4	7121	3.4	8	6.95	6.70	7.55	91	7.70	7.00	8.50
Feb-07	34.4	11006	0.0	4	7.65	7.35	7.75	64	7.55	6.95	8.20
Mar-07	144.6	29674	6.3	9	7.20	6.70	7.30	110	7.30	6.80	7.90
Apr-07	271.6	52077	9.6	15	6.90	6.70	7.20	102	7.40	6.90	7.80
May-07	292.9	56948	15.1	13	7.10	6.80	7.30	82	7.35	6.90	7.90
Jun-07	265.9	53913	18.4	3	7.00	7.00	7.00	29	7.30	7.00	8.00
Jul-07	213.3	46444	18.3	Nationwide strike of healthcare professionals							
Aug-07	245.8	46799	18.4	4	6.80	6.35	7.20	70	7.20	6.90	7.90
Sep-07	154.2	30358	12.7	11	6.70	6.50	7.50	99	7.20	6.60	8.00

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				<i>n</i>	Median	Q25	Q75	<i>n</i>	Median	Q25	Q75	
Oct-07	102.7	17386	7.7	13	7.40	6.70	7.90	166	7.40	6.90	8.30	
Nov-07	29.6	6323	1.5	7	6.90	6.90	7.60	84	7.45	6.80	8.65	
Dec-07	39.1	4881	0.0	6	7.80	7.30	8.00	67	7.40	6.70	8.30	
Jan-08	53.7	6760	1.5	16	7.60	7.25	8.00	133	7.70	7.10	8.60	
Feb-08	69.9	12045	2.9	15	6.80	6.40	7.90	155	7.80	7.20	8.80	
Mar-08	105.5	22989	3.5	8	7.20	7.00	8.15	81	7.60	7.00	8.40	
Apr-08	148	34773	8.7	10	6.90	6.80	7.60	104	7.30	6.70	8.20	
May-08	256.7	53566	13.5	13	7.20	6.70	7.40	114	7.70	7.00	8.40	
Jun-08	336.9	62696	18.1	9	7.50	7.00	7.80	114	7.50	6.90	8.40	
Jul-08	288.1	58141	19.5	9	7.20	6.50	7.70	106	7.50	6.90	8.20	
Aug-08	237.5	43564	18.2	8	7.05	6.75	7.35	71	7.10	6.70	8.00	
Sep-08	99.4	24998	12.6	9	6.90	6.60	7.10	63	7.30	6.80	8.10	
Oct-08	98	17055	9.7	13	6.50	6.30	7.20	137	7.50	6.70	8.40	
Nov-08	54.2	8506	5.2	5	6.70	6.30	8.10	87	7.60	7.10	8.40	
Dec-08	50.2	5479	1.3	12	6.80	6.40	7.55	95	7.70	7.00	8.80	
Jan-09	61.8	8054	-2.9	8	6.70	6.40	7.00	131	7.40	6.80	8.20	

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Feb-09	32.1	10960	-0.9	8	7.55	7.15	7.75	92	7.70	7.10	8.75
Mar-09	74.7	20321	2.60	11	7.10	6.60	8.00	107	7.70	7.00	8.40
Apr-09	302.4	53433	11.5	9	7.00	6.70	7.20	94	7.60	6.80	8.60
May-09	256.7	54305	13.2	13	7.00	6.80	7.80	94	7.30	6.70	7.90
Jun-09	182	46576	15.4	5	6.60	6.60	7.50	87	7.20	6.70	7.80
Jul-09	278.8	57993	19.3	7	7.00	6.80	7.80	128	7.40	6.80	7.95
Aug-09	286	51437	18.5	4	7.35	6.85	8.00	106	7.05	6.50	7.60
Sep-09	196.5	35291	15.0	8	6.90	6.80	7.30	91	7.00	6.50	7.80
Oct-09	57.9	13629	6.7	12	7.00	7.00	7.60	94	7.40	6.90	8.40

Q25 and Q75 represent the first and third quartile respectively.