Appendix 1

	Intervention point: March 16 (main analyses)		Intervention point: March 2 (post-hoc analyses)		Intervention point: February 17 (post-hoc analyses)		Intervention point: February 3 (post-hoc analyses)	
Site	**Effect**** ($\mu g/m^3$)	**95% CI**	**Effect** ($\mu g/m^3$)	**95% CI**	**Effect** ($\mu g/m^3$)	**95% CI**	**Effect** ($\mu g/m^3$)	**95% CI**
cITS approach								
LAN	-9.34	-23.58; 4.90	-3.95	-21.22; 13.33	-14.30	-32.26; 3.66	1.60	-16.11; 19.30
STA	**-10.02**	**-19.25; -0.79**	-4.58	-16.29; 7.12	-12.07	-24.20; 0.06	-0.56	-12.75; 11.63
LOT	-1.94	-11.90; 8.03	-1.94	-15.24; 11.37	-13.63	-27.88; 0.63	-4.11	-18.28; 10.06
ALL	-1.37	-12.77; 10.02	1.23	-13.58; 16.03	-8.66	-24.27; 6.96	-7.73	-22.77; 7.32
JOH	0.75	-8.79; 10.29	-3.60	-16.24; 9.04	-12.19	-25.60; 1.22	-6.17	-19.57; 7.24
SC approach								
LAN	**-15.65**	**-27.58; -4.09**	-6.55	-36.32; 13.79	-19.95	-47.37; 2.32	-9.92	-29.27; 10.25
STA	**-15.1**	**-24.82; -9.83**	-6.43	-25.86; 7.07	**-13.49**	**-32.20; -0.96**	-8.39	-21.49; 4.69
LOT	**-8.84**	**-20.04; -2.51**	-4.29	-24.92; 5.76	-15.14	-37.33; 1.21	-10.21	-23.56; 4.37
ALL	-3.08	-12.59; 5.39	-2.74	-16.35; 12.90	-12.79	-29.60; 5.34	-6.13	-24.76; 11.07
JOH	-4.69	-11.65; 1.86	-5.43	-24.67; 5.47	**-13.99**	**-32.59; -0.88**	-9.33	-24.84; 5.41

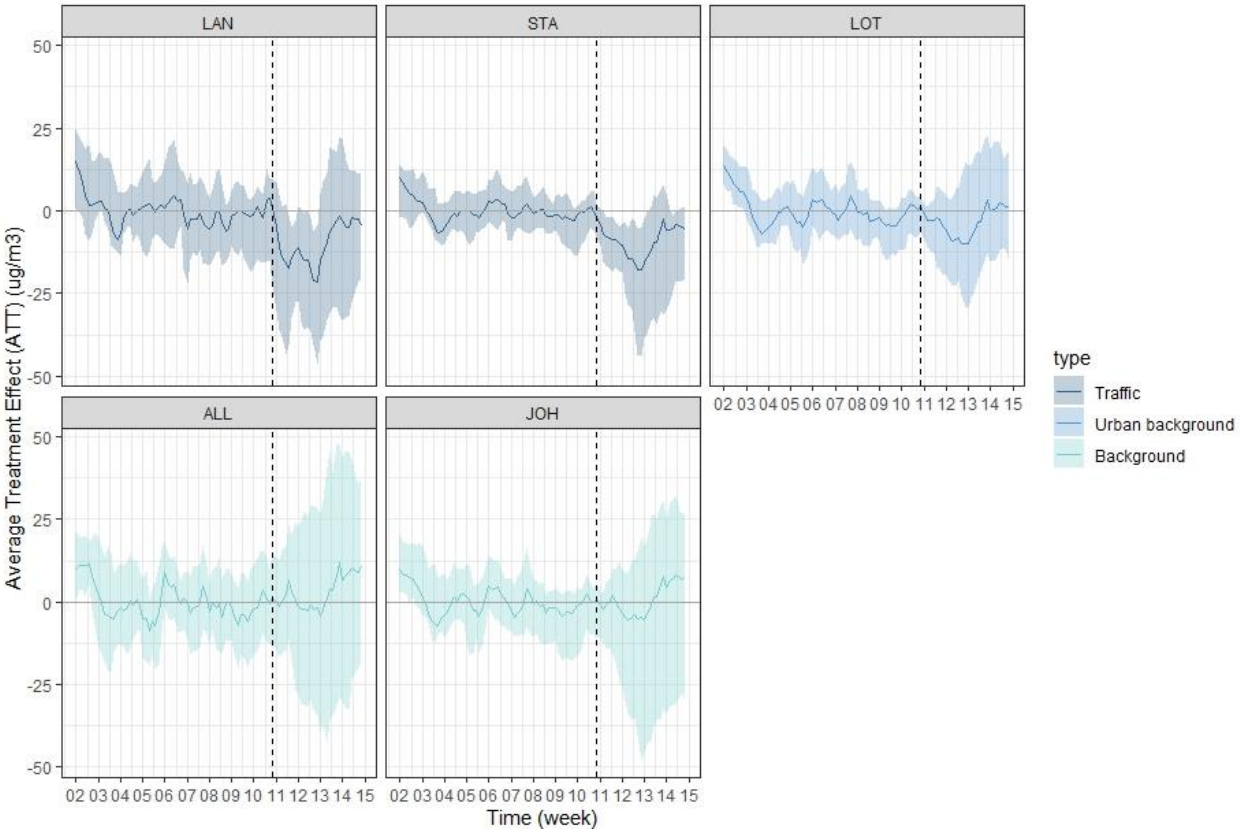
Appendix Table 1: Summary of results from main (as reported in the main study – here for reference) and post hoc analyses assessing backdated intervention points.
Bold: denotes statistical significance at an alpha level of 5%.
*Effects are expressed as the effect over the post-intervention time period, e.g. -9.34 corresponds to a reduction in NO_2 concentration of 9.34 $\mu g/m^3$ between the pre- and post-intervention periods in 2020 relative to the control year(s).

	4-week post-intervention (main analyses)		Smoothed data (post hoc analyses)		Shortened pre-intervention period (post hoc analyses)	
Site	**Effect*** ($\mu g/m^3$)	**95% CI**	**Effect** ($\mu g/m^3$)	**95% CI**	**Effect** ($\mu g/m^3$)	**95% CI**
cITS approach						
LAN	-9.34	-23.58; 4.90	-6.26	-20.19; 7.66	-4.75	-18.51; 9.00
STA	**-10.02**	**-19.25; -0.79**	-8.33	-17.33; 0.67	-5.53	-13.89; 2.82
LOT	-1.94	-11.90; 8.03	0.33	-9.31; 9.98	3.52	-5.17; 12.20
ALL	-1.37	-12.77; 10.02	0.33	-10.77; 11.43	5.29	-3.97; 14.54
JOH	0.75	-8.79; 10.29	2.51	-6.90; 11.91	6.74	-1.32; 14.79
SC approach						
LAN	**-15.65**	**-27.58; -4.09**	-10.02	-25.94; 2.82	-9.89	-21.78; 1.71
STA	**-15.1**	**-24.82; -9.83**	**-9.37**	**-25.59; -3.79**	**-9.83**	**-17.14; -4.69**
LOT	**-8.84**	**-20.04; -2.51**	-3.46	-15.02; 10.98	-4.76	-13.55; 0.64
ALL	-3.08	-12.59; 5.39	2.96	-6.79; 2.96	-0.08	-7.48; 8.47
JOH	-4.69	-11.65; 1.86	0.69	-30.07; 15.90	-0.93	-8.53; 5.13

Appendix Table 2: Summary of results from main (as reported in the main study – here for reference) and post hoc analyses assessing smoothed NO2 data and a shortened pre-intervention period.

Bold: denotes statistical significance at an alpha level of 5%.

*Effects are expressed as the effect over the post-intervention time period, e.g. -9.34 corresponds to a reduction in NO_2 concentration of 9.34 $\mu g/m^3$ between the pre- and post-intervention periods in 2020 relative to the control year(s).



Appendix Figure 1: Difference between the observed NO_2 concentrations in 2020 and those from the SC counterfactual (based on the years 2014-2019) at all investigated sites using smoothed NO_2 data.