

Supplementary Materials: Has Covid-19 lockdown affected on air quality? – different time scale case study in Wrocław, Poland

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Table S1. Number of confirmed cases of infection with COVID-19 disease in Poland in the period 10th March to 30th May 2020.

Date	Number of new cases	Total number of cases	Date	Number of new cases	Total number of cases
10.03.2020	5	22	20.04.2020	306	9593
11.03.2020	9	31	21.04.2020	263	9856
12.03.2020	20	51	22.04.2020	313	10169
13.03.2020	17	68	23.04.2020	342	10511
14.03.2020	35	103	24.04.2020	381	10892
15.03.2020	21	124	25.04.2020	381	11273
16.03.2020	52	176	26.04.2020	344	11617
17.03.2020	61	237	27.04.2020	285	11902
18.03.2020	48	285	28.04.2020	316	12218
19.03.2020	68	353	29.04.2020	422	12640
20.03.2020	70	423	30.04.2020	237	12877
21.03.2020	111	534	01.05.2020	228	13105
22.03.2020	99	633	02.05.2020	270	13375
23.03.2020	115	748	03.05.2020	318	13693
24.03.2020	152	900	04.05.2020	313	14006
25.03.2020	151	1051	05.05.2020	425	14431
26.03.2020	170	1221	06.05.2020	309	14740
27.03.2020	168	1389	07.05.2020	307	15047
28.03.2020	249	1638	08.05.2020	319	15366
29.03.2020	224	1862	09.05.2020	285	15651
30.03.2020	193	2055	10.05.2020	345	15996
31.03.2020	256	2311	11.05.2020	330	16326
01.04.2020	243	2554	12.05.2020	595	16921
02.04.2020	392	2946	13.05.2020	283	17204
03.04.2020	437	3383	14.05.2020	411	17615
04.04.2020	244	3627	15.05.2020	401	18016
05.04.2020	475	4102	16.05.2020	241	18257
06.04.2020	311	4413	17.05.2020	272	18529
07.04.2020	435	4848	18.05.2020	356	18885
08.04.2020	356	5204	19.05.2020	383	19268
09.04.2020	370	5574	20.05.2020	471	19739
10.04.2020	380	5954	21.05.2020	404	20143
11.04.2020	401	6355	22.05.2020	476	20619
12.04.2020	318	6673	23.05.2020	312	20931
13.04.2020	260	6933	24.05.2020	395	21326
14.04.2020	269	7202	25.05.2020	305	21631

15.04.2020	380	7582	26.05.2020	443	22074
16.04.2020	336	7918	27.05.2020	399	22473
17.04.2020	461	8379	28.05.2020	352	22825
18.04.2020	363	8742	29.05.2020	330	23155
19.04.2020	545	9287	30.05.2020	416	23571
20.04.2020	306	9593	31.05.2020	215	23786

Table S2. Descriptive statistics for traffic flow [veh] during each year of reference period (10 March to 30 May 2016-2019).

Year	Min	Median	Average	Max
2016	7	3141	2771 (1818)	5607
2017	102	3142	2717 (1787)	5425
2018	0	3158	2777 (1814)	5403
2019	127	3266	2811 (1817)	5809

In brackets (standard deviation)

Table S3. Descriptive statistics for meteorological conditions during each year of reference period (10 March to 30 May 2016-2019).

	Year	Min	Median	Average	Max
Air temperature [°C]	2016	-4.6	9.9	10.7 (5.99)	28.0
	2017	-2.6	10.2	10.7 (5.76)	31.0
	2018	-7.9	13.1	12.4 (7.91)	29.8
	2019	-2.8	10.2	10.7 (5.42)	28.2
Wind speed [m/s]	2016	0	3	3.08 (1.79)	10
	2017	0	3	3.10 (1.84)	11
	2018	0	3	3.29 (2.05)	11
	2019	0	3	3.31 (2.21)	12
Wind direction [deg]	2016	0	248	207 (103)	360
	2017	0	259	209 (109)	360
	2018	0	140	168 (102)	360
	2019	0	235	196 (110)	360
Relative humidity [%]	2016	30	76	73 (17.2)	99
	2017	31	75	71 (17.6)	98
	2018	25	67	65 (17.9)	98
	2019	22	66	66 (19.2)	97
Water vapor pressure [hPa]	2016	3.8	8.7	9.39 (3.06)	22.0
	2017	3.5	8.8	9.23 (2.98)	21.6
	2018	1.9	9.5	9.62 (3.60)	20.0
	2019	3.2	7.8	8.46 (2.91)	17.3
Air pressure [hPa]	2016	990.7	999.6	1000.3 (7.36)	1020.2
	2017	990.2	1003.8	1003.4 (6.61)	1017.9
	2018	987.3	998.7	999.4 (7.47)	1018.5
	2019	983.9	999.8	1001.3 (9.31)	1020.3

In brackets (standard deviation)

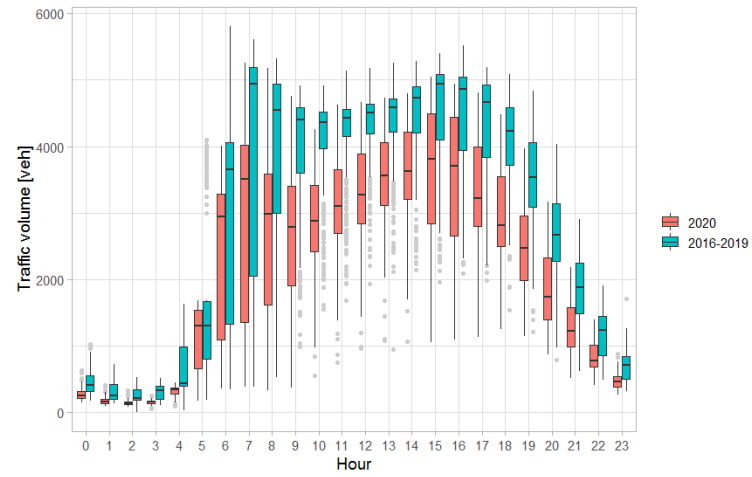


Figure S1. Traffic volume hourly variability in 10th March to 30th May: 2020 and 2016-2019.

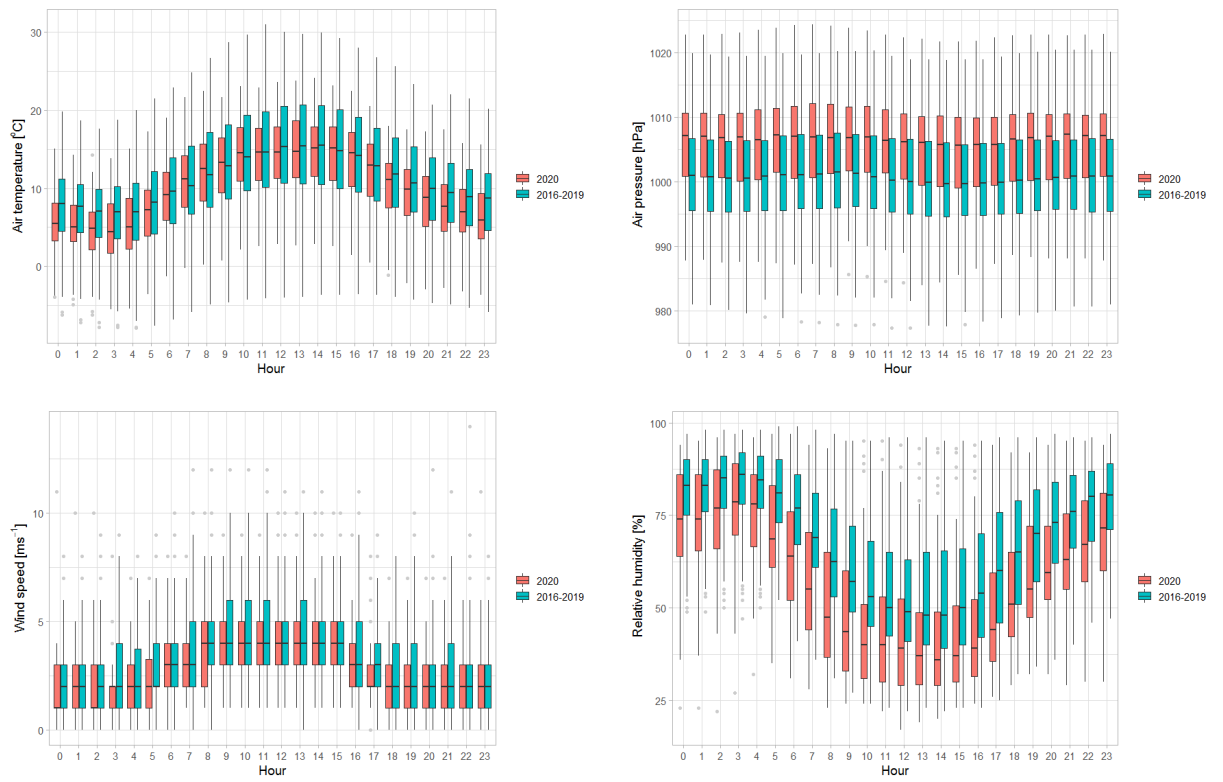


Figure S2. Meteorological conditions hourly variability on 10th March to 30th May: 2020 and 2016-2019.