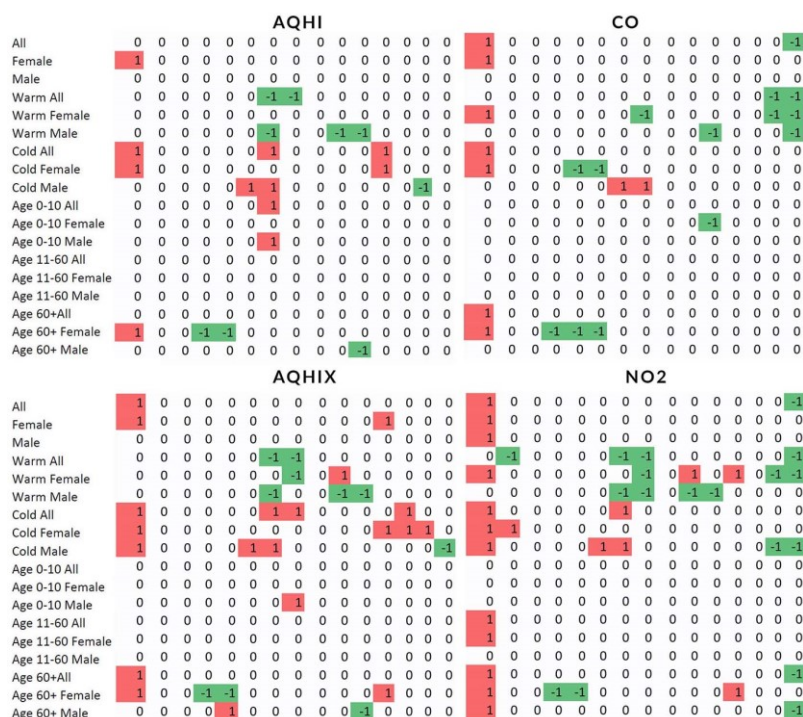


Table 1 M00M99. Statistics on ED visits for diseases of the musculoskeletal system and connective tissue (ICD-10 codes: M00 – M99). Toronto, Canada. 2004 – 2015.

Variables	ED visits	Min	Q1	Median	Mean	Q3	Max
All	691,703	55	138	161	161.2	185	287
Female	368,089	23	72	86	85.8	99	157
Male	323,614	29	63	75	75.4	87	148
Warm All	366,557	77	144	167	166.9	191	287
Warm Female	195,811	38	76	89	89.2	103	157
Warm Male	170,746	34	65	77	77.8	90	148
Cold All	325,146	55	132	155	155.1	177	256
Cold Female	172,278	23	69	82	82.2	95	137
Cold Male	152,868	29	61	73	72.9	85	132
Age 0-10 All	15,954	0	2	3	3.7	5	14
Age 0-10 Female	7,023	0	1	1	1.6	2	9
Age 0-10 Male	8,931	0	1	2	2.1	3	9
Age 11-60 All	465,555	36	92	108	108.5	125	196
Age 11-60 Female	233,025	13	45	54	54.3	63	105
Age 11-60 Male	232,530	17	45	54	54.2	63	107
Age 60+All	210,194	8	40	49	49.0	57	96
Age 60+ Female	128,041	3	24	30	29.8	35	64
Age 60+ Male	82,153	1	15	19	19.1	23	44

Notes. Column labelled as “ED visits” shows the number of ED visits, Warm: April – September, Cold: October – March, Min – minimum, Max –maximum, Q1-25th percentile, Q3-75th percentile.



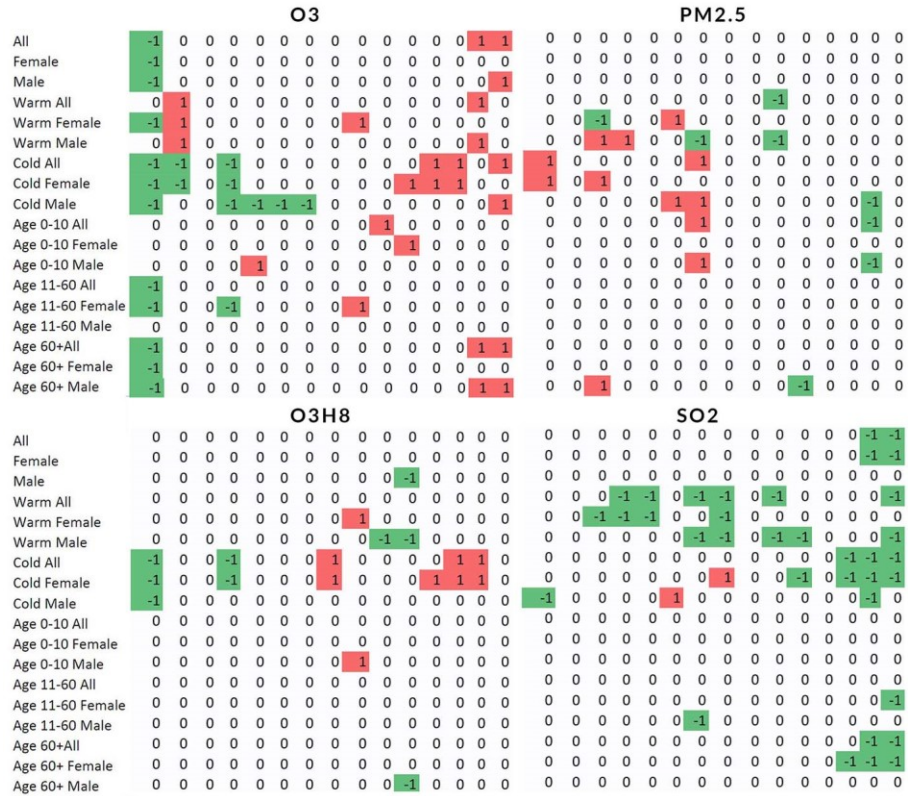


Figure 1 M00M991. The map of the results from 2,160 models. red - positive, green-negative, both are statistically significant, white – no relations. Toronto, 2004-2015.

Lag	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
AQHI	4	0	0	0	0	1	4	0	0	0	0	2	0	0	0	11
AQHIX	7	0	0	0	1	1	2	2	0	1	0	3	2	1	0	20
CO	7	0	0	0	0	0	1	1	0	0	0	0	0	0	0	9
NO ₂	12	1	0	0	0	1	2	0	0	1	0	2	0	0	0	19
O ₃	0	3	0	0	1	0	0	0	2	1	2	2	2	5	6	24
O ₃ H ₈	0	0	0	0	0	0	0	2	2	0	0	1	2	2	0	9
PM _{2.5}	2	0	3	1	0	2	4	0	0	0	0	0	0	0	0	12
SO ₂	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
Total	32	4	3	1	2	6	13	6	4	3	2	10	6	8	6	106

	Lag	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
All		3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5
Female		4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	5
Male		1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Warm All		0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2
Warm Female		2	1	0	0	0	1	0	0	2	2	0	1	0	0	0	9
Warm Male		0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	4
Cold All		5	0	0	0	0	0	4	2	0	0	0	2	3	1	1	18
Cold Female		5	1	1	0	0	0	0	2	0	0	1	4	3	2	0	19
Cold Male		2	0	0	0	0	5	5	1	0	0	0	0	0	0	1	14
Age 0-10 All		0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	3
Age 0-10 Female		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Age 0-10 Male		0	0	0	0	1	0	2	1	1	0	0	0	0	0	0	5
Age 11-60 All		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Age 11-60 Female		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Age 11-60 Male		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Age 60+ All		3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5
Age 60+ Female		4	0	0	0	0	0	0	0	0	0	0	2	0	0	0	6
Age 60+ Male		1	0	1	0	1	0	0	0	0	0	0	0	0	1	1	5
Total		32	4	3	1	2	6	13	6	4	3	2	10	6	8	6	106

	Air Pollution:								
	AQHIX AQHI	NO2 CO	O3H8 O3	SO2 PM2.5	Total				
All	0	1	1	1	2	0	0	0	5
Female	1	2	1	1	0	0	0	0	5
Male	0	0	0	1	1	0	0	0	2
Warm All	0	0	0	0	2	0	0	0	2
Warm Female	0	1	1	3	2	1	1	0	9
Warm Male	0	0	0	0	2	0	2	0	4
Cold All	3	4	1	2	3	3	2	0	18
Cold Female	2	4	1	2	3	4	2	1	19
Cold Male	2	3	2	3	1	0	2	1	14
Age 0-10 All	1	0	0	0	1	0	1	0	3
Age 0-10 Female	0	0	0	0	1	0	0	0	1
Age 0-10 Male	1	1	0	0	1	1	1	0	5
Age 11-60 All	0	0	0	1	0	0	0	0	1
Age 11-60 Female	0	0	0	1	1	0	0	0	2
Age 11-60 Male	0	0	0	0	0	0	0	0	0
Age 60+ All	0	1	1	1	2	0	0	0	5
Age 60+ Female	1	2	1	2	0	0	0	0	6
Age 60+ Male	0	1	0	1	2	0	1	0	5
Total	11	20	9	19	24	9	12	2	106

Figure 2 M00M99. The scores of the positive statistical significant associations by strata, air pollutants, and lags. Toronto, Canada. 2004 – 2015.