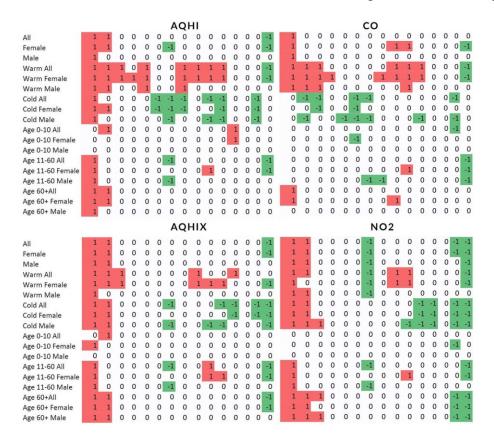Table 1 H00H59. Statistics on ED visits for disease of the eye and adnexa (ICD-10 codes: H00 – H59). Toronto, Canada. 2004 – 2015.

Variables	ED visits	Min	Q1	Median	Mean	Q3	Max
All	429,629	13	46	115	100.1	139	213
Female	244,710	6	25	64	57.0	80.25	126
Male	184,919	4	22	49	43.1	59	89
Warm All	225,426	20	49	117	102.7	140	213
Warm Female	128,272	9	27	66	58.4	81	126
Warm Male	97,154	5	24	49	44.2	59	89
Cold All	204,203	13	42	113	97.4	138	202
Cold Female	116,438	6	24	63	55.6	80	121
Cold Male	87,765	4	19	48	41.9	59	89
Age 0-10 All	17,280	0	2	4	4.0	5	24
Age 0-10 Female	7,845	0	1	2	1.8	3	10
Age 0-10 Male	9,435	0	1	2	2.2	3	15
Age 11-60 All	143,630	6	27	34	33.5	40	67
Age 11-60 Female	75,923	1	14	18	17.7	21	37
Age 11-60 Male	67,707	1	12	16	15.8	19	33
Age 60+All	268,719	1	13	74	62.6	97	156
Age 60+ Female	160,942	0	8	43	37.5	59	98
Age 60+ Male	107,777	0	6	29	25.1	39	66

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.

Heatmap figure with four panels (AQHI, CO, AQHIX, NO2) showing cell values (1, 0, -1) for the variable groups: All, Female, Male, Warm All, Warm Female, Warm Male, Cold All, Cold Female, Cold Male, Age 0-10 All, Age 0-10 Female, Age 0-10 Male, Age 11-60 All, Age 11-60 Female, Age 11-60 Male, Age 60+All, Age 60+ Female, Age 60+ Male.
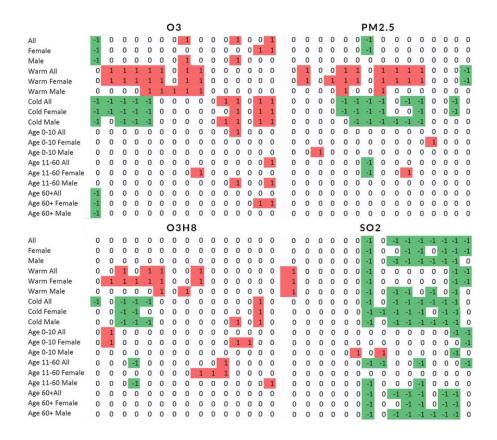
Figure 1 H00H59. The map of the results from 2,160 models. red - positive (1), green-negative (-1), both are statistically significant, white – no relations (0). Toronto, Canada. 2004-2015.

Lag	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
AQHI	15	9	2	1	3	0	0	3	2	3	2	2	0	0	0	42
AQHIX	16	12	2	0	0	0	0	0	2	3	2	1	0	0	0	38
CO	8	3	3	1	0	0	0	1	4	5	2	0	0	0	0	27
NO$_2$	15	11	3	0	0	0	0	0	2	3	0	0	0	0	0	34
O$_3$	0	2	2	2	3	3	1	5	4	0	2	7	0	5	8	44
O$_3$H8	0	3	2	1	2	3	0	1	3	1	2	2	1	3	1	25
PM$_{2.5}$	0	2	1	1	3	2	0	3	2	3	2	1	0	0	0	20
SO$_2$	3	0	0	0	0	1	0	1	0	0	0	0	0	0	0	5
Total	57	42	15	6	11	9	1	14	19	18	12	13	1	8	9	235

Lag	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
All	4	3	0	0	0	0	0	1	0	0	0	1	0	0	1	10
Female	4	3	0	0	0	0	0	0	1	1	0	0	0	1	1	11
Male	4	2	0	0	0	0	0	1	0	0	0	1	0	0	0	8
Warm All	5	6	5	1	4	3	0	3	7	4	3	1	0	0	0	42
Warm Female	5	6	5	5	4	3	0	4	7	5	4	0	0	0	0	48
Warm Male	5	3	1	0	3	2	1	4	1	1	0	0	0	0	0	21
Cold All	3	2	0	0	0	0	0	0	0	0	1	1	0	2	1	10
Cold Female	3	3	0	0	0	0	0	0	0	0	0	1	0	2	1	10
Cold Male	3	2	1	0	0	0	0	0	0	0	1	2	0	2	1	12
Age 0-10 All	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	5
Age 0-10 Female	1	1	0	0	0	0	0	0	0	0	0	3	1	0	0	6
Age 0-10 Male	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	3
Age 11-60 All	3	0	0	0	0	0	0	0	0	1	1	0	0	0	1	6
Age 11-60 Female	3	0	0	0	0	0	0	0	2	6	2	0	0	0	0	13
Age 11-60 Male	3	0	0	0	0	0	0	0	0	0	0	1	0	0	2	6
Age 60+All	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	8
Age 60+ Female	4	3	0	0	0	0	0	0	1	0	0	0	0	1	1	10
Age 60+ Male	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	57	42	15	6	11	9	1	14	19	18	12	13	1	8	9	235

Air Pollution:	AQHI	AQHIX	CO	NO2	O3	O3H8	PM2.5	SO2	Total
All	2	2	1	2	3	0	0	0	10
Female	2	2	3	2	2	0	0	0	11
Male	1	2	1	2	2	0	0	0	8
Warm All	8	5	6	4	7	4	7	1	42
Warm Female	9	6	8	3	7	6	8	1	48
Warm Male	4	1	4	2	5	2	2	1	21
Cold All	1	2	0	2	4	1	0	0	10
Cold Female	2	2	0	2	3	1	0	0	10
Cold Male	1	2	0	3	4	2	0	0	12
Age 0-10 All	2	1	0	0	1	1	0	0	5
Age 0-10 Female	1	1	0	0	0	3	1	0	6
Age 0-10 Male	0	0	0	0	0	0	1	2	3
Age 11-60 All	1	2	0	1	1	1	0	0	6
Age 11-60 Female	2	3	1	2	1	3	1	0	13
Age 11-60 Male	1	1	0	1	2	1	0	0	6
Age 60+All	2	2	1	3	0	0	0	0	8
Age 60+ Female	2	2	2	2	2	0	0	0	10
Age 60+ Male	1	2	0	3	0	0	0	0	6
Total	42	38	27	34	44	25	20	5	235

Figure 2 H00H59. The scores of the positive statistical significant associations by strata, air pollutants, and lags. Toronto, Canada. 2004 – 2015.