

Table F00F99. Statistics on ED visits for mental and behavioural disorders (ICD-10: F00 – F99).  
Toronto, Canada. 2004 – 2015.

Variables	ED visits	Min	Q1	Median	Mean	Q3	Max
All	450,770	48	91	104	105.0	118	175
Female	214,485	21	42	49	50.0	57	88
Male	236,285	21	47	54	55.1	63	100
Warm All	235,302	59	93	105	107.2	120	169
Warm Female	111,235	24	43	50	50.7	58	87
Warm Male	124,067	24	48	55	56.5	64	99
Cold All	215,468	48	89	101	102.8	115	175
Cold Female	103,250	21	42	49	49.3	57	88
Cold Male	112,218	21	45	53	53.5	61	100
Age 0-10 All	2,587	0	0	0	0.6	1	6
Age 0-10 Female	906	0	0	0	0.2	0	4
Age 0-10 Male	1,681	0	0	0	0.4	1	6
Age 11-60 All	383,299	44	77	89	89.3	100	149
Age 11-60 Female	177,809	16	35	41	41.4	48	75
Age 11-60 Male	205,490	19	41	47	47.9	55	90
Age 60+All	64,884	2	11	15	15.1	19	46
Age 60+ Female	35,770	0	6	8	8.3	11	23
Age 60+ Male	29,114	0	4	6	6.8	9	23

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

	AQHI																CO															
All	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	-1	0			
Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	-1		
Male	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0		
Warm All	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0		
Warm Female	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0		
Warm Male	1	1	1	1	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0		
Cold All	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	-1	-1		
Cold Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1		
Cold Male	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	-1		
Age 0-10 All	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Age 0-10 Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Age 0-10 Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	1	0	0		
Age 11-60 All	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0		
Age 11-60 Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	-1		
Age 11-60 Male	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0		
Age 60+ All	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Age 60+ Female	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Age 60+ Male	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0		

	AQHIX																NO2															
All	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0		
Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1		
Male	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
Warm All	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	
Warm Female	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	
Warm Male	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	
Cold All	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	-1		
Cold Female	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0	0	0	0	-1	0	0	0	-1	0	0	0	0	0	0	
Cold Male	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	
Age 0-10 All	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	
Age 0-10 Female	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	-1	
Age 0-10 Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	
Age 11-60 All	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Age 11-60 Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Age 11-60 Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Age 60+ All	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Age 60+ Female	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	-1	0	0	0	0	0	-1	0	0	0	0	0	
Age 60+ Male	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

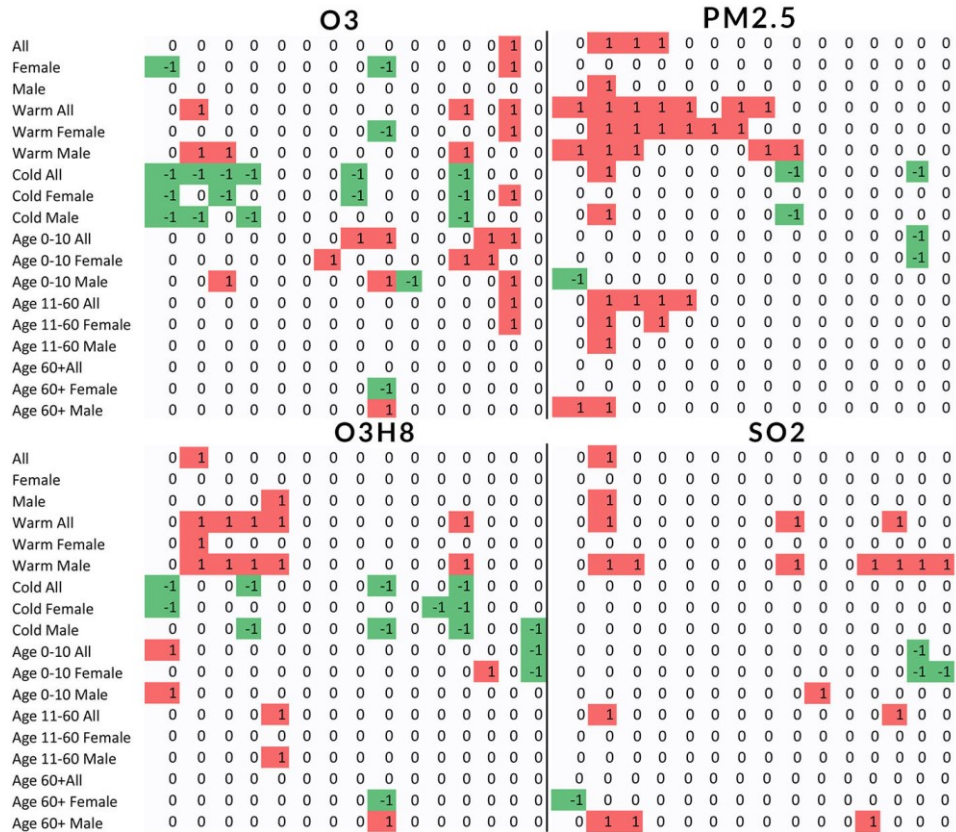


Figure 1 F00F99. The map of the results from 2,160 models. red - positive (1), green-negative (-1), both are statistically significant, white – no relations (0). Toronto, Canada. 2004-2015.

Lag	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
AQHI	2	8	6	3	2	1	1	0	1	0	0	2	0	0	1	27
AQHIX	0	7	4	3	2	2	0	0	0	0	1	4	0	0	0	23
CO	7	9	4	4	4	2	1	0	0	0	2	0	0	0	0	33
NO <sub>2</sub>	0	5	3	2	1	2	0	1	1	0	1	4	0	0	1	21
O <sub>3</sub>	0	2	2	0	0	0	1	1	3	0	0	3	2	9	0	23
O <sub>3</sub> H8	2	4	2	2	5	0	0	0	1	0	0	2	1	0	0	19
PM <sub>2.5</sub>	3	11	5	5	3	1	2	2	1	0	0	0	0	0	0	33
SO <sub>2</sub>	0	6	2	0	0	0	0	0	2	1	0	2	3	1	1	18
Total	14	52	28	19	17	8	5	4	9	1	4	17	6	10	3	197

	Lag	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
All		1	7	4	1	0	0	0	0	0	0	0	0	0	1	0	14
Female		0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2
Male		1	6	1	0	2	0	0	0	0	0	0	2	0	0	0	12
Warm All		3	8	6	6	6	3	1	2	2	0	0	4	1	1	0	43
Warm Female		1	6	5	2	2	4	3	0	0	0	0	0	0	1	0	24
Warm Male		3	7	6	4	3	0	0	1	3	0	0	6	1	1	3	38
Cold All		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cold Female		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Cold Male		0	3	0	0	0	0	0	0	0	0	3	1	0	0	0	7
Age 0-10 All		1	0	0	0	0	0	0	1	1	0	0	0	1	1	0	5
Age 0-10 Female		0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	4
Age 0-10 Male		1	0	1	0	0	0	0	0	1	1	1	0	0	1	0	6
Age 11-60 All		1	5	2	4	3	0	0	0	0	0	0	0	1	1	0	17
Age 11-60 Female		0	1	1	2	0	0	0	0	0	0	0	0	0	1	0	5
Age 11-60 Male		1	3	0	0	1	0	0	0	0	0	0	2	0	0	0	7
Age 60+ All		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Age 60+ Female		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Age 60+ Male		1	5	1	0	0	1	0	0	2	0	0	1	0	0	0	11
Total		14	52	28	19	17	8	5	4	9	1	4	17	6	10	3	197



Air Pollution:	AQHIX		NO2		O3H8		SO2		Total
	AQHI		CO		O3		PM2.5		
All	2	2	0	0	4	1	2	0	11
Female	0	6	2	0	3	1	1	0	13
Male	2	3	0	0	3	0	0	0	8
Warm All	5	5	0	0	1	1	0	3	15
Warm Female	0	0	1	0	1	0	1	6	9
Warm Male	0	0	2	1	0	0	0	7	10
Cold All	0	1	0	0	0	1	1	2	5
Cold Female	0	0	0	0	0	3	3	3	9
Cold Male	0	0	2	0	1	0	0	6	9
Age 0-10 All	0	0	2	1	1	1	7	5	17
Age 0-10 Female	3	2	0	1	0	6	0	3	15
Age 0-10 Male	0	0	2	0	1	1	0	4	8
Age 11-60 All	1	1	7	3	5	0	0	2	19
Age 11-60 Female	0	0	3	1	1	1	0	1	7
Age 11-60 Male	0	0	3	3	5	0	0	1	12
Age 60+ All	1	1	0	0	0	0	1	7	10
Age 60+ Female	2	1	0	1	0	0	2	5	11
Age 60+ Male	0	0	3	0	0	4	0	2	9
Total	16	22	27	11	26	20	18	57	197

Figure 2 F00F99. The scores of the positive statistical significant associations by strata, air pollutants, and lags. Toronto, Canada. 2004 – 2015.