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Comparison of transient associations of air pollution and AMI hospitalisation in two cities of Alberta, Canada, using a case-crossover design

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ABSTRACT

Objective: To investigate reproducibility of outcomes for short-term associations between ambient air pollutants and acute myocardial infarction (AMI) hospitalisation in 2 urban populations.

Design: Using a time-stratified design, we conducted independent case-crossover studies of AMI hospitalisation events over the period 1999–2010 in the geographically close and demographically similar cities of Calgary and Edmonton, Alberta, Canada. Patients with his/her first AMI hospitalisation event were linked with air pollution data from the National Ambient Pollution Surveillance database and meteorological data from the National Climatic Data Center database. Patients were further divided into subgroups to examine adjusted pollution effects. Effects of pollution levels with 0–3-day lag were modelled using conditional logistic regression and adjusted for daily average ambient temperature, dew point temperature and wind speed.

Setting: Population-based studies in Calgary/Edmonton.

Participants: 12 066/10 562 first-time AMI hospitalisations in Calgary/Edmonton.

Main outcome measures: Association (adjusted OR) between daily ambient air pollution levels and hospitalisation for AMI.

Results: Among 600 potential air pollution effect variables investigated for the Calgary (Edmonton) population, only 1.17% (0.67%) was statistically significant by using the traditional 5% criterion. None of the effect variables were reproduced in the 2 cities, despite their geographic closeness (within 300 km of each other), and demographic and air pollution similarities.

Conclusions: Comparison of independent investigations of the effect of air pollution on risk of AMI hospitalisation in Calgary and Edmonton, Alberta, indicated that none of the air pollutants investigated—CO, NO, NO_2, O_3 and particulate matter ($PM_{2.5}$)—showed consistent positive associations with increased risk of AMI hospitalisation.

Strengths and limitations of this study

- We considered reproducibility of air pollution effects on risk of acute myocardial infarction (AMI) hospitalisation in two Alberta cities.
- We separately investigated a variety of air pollutants (CO, NO, NO_2, O_3 and particulate matter ($PM_{2.5}$)) in each city.
- We did not include SO_2 because of data limitations.
- We focused on reproducibility of findings as a step in identifying important associations between air pollution and AMI hospitalisation in the major population centres of Alberta.

INTRODUCTION

Numerous epidemiological studies have described evidence of adverse associations between air pollution and hospital admission or emergency room visits for myocardial infarction (MI).[1–21] This included a recent systematic review that reported significant associations with MI for all air pollutants except ozone (O_3).[2] While the associations are to some extent plausible, mechanisms underlying these associations are not fully understood.[19] In addition, concerns persist about the modelling approach, covariate selection and other confounders that can lead to very different results.[22 23] To highlight this, we summarised literature from PubMed related to case-crossover studies of relationships between particulate matter (PM) air pollution and MI published before 15 March 2015. Nineteen studies[3–21] of PM and MI with greater than 1000 MI events were identified and are listed in table 1. From table 1, it can be observed that study findings do not always agree with each other, even for studies with very large numbers of observations.[3 5 19]

Another feature of the studies in table 1 was the difference in location of populations studied, including populations in cities of USA,[3 7–9 14 17 19 20] Europe,[4–6 11–13 21] Australia/New Zealand[18] and Taiwan.[10 15 16] Our interest was in understanding whether

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Table 1 Review of case-crossover studies in literature for association between PM and MI

Study	Location	Participants	Exposure	Design	Findings
Talbott *et al*[3]	Washington DC and 4 east coast US states	688 715 cases of MI	$PM_{2.5}$	Time-stratified	No association for lag 0 and 1 day with acute MI in 2 east coast states for all seasons
Wichmann *et al*[4]	Gothenburg, Sweden	28 215 cases of MI	PM_{10}, soot	Time-stratified	No association found
Milojevic *et al*[5]	England and Wales	452 343 cases of MI	$PM_{2.5}$, PM_{10}	Time-stratified	No association found
Bard *et al*[6]	Strasbourg, France	2134 cases of MI	PM_{10}	Time-stratified	No association found
Hodas *et al*[7]	New Jersey, USA	1561 HA for transmural MI (age ≥18)	$PM_{2.5}$	Time-stratified	Refined ambient $PM_{2.5}$ (24 h average before onset) was associated with transmural MI
Rich *et al*[8]	New Jersey, USA	1562 HA for transmural MI (age ≥18)	$PM_{2.5}$ species	Time-stratified	$PM_{2.5}$ species (24 h average before onset) was associated with transmural MI
Kioumourtzoglou *et al*[9]	3 US cities	Emergency HA	OC species	Modified bidirectional	No association found
Tsai *et al*[10]	Taipei, Taiwan	27 563 HA for acute MI	PM_{10}	Time-stratified	No association found
Bhaskaran *et al*[11]	England and Wales	79 288 HA for MI	PM_{10}	Time-stratified	PM_{10} (1–6 h average before onset) was associated with acute MI
Nuvolone *et al*[12]	Florence, Italy	11 450 HA for acute MI	PM_{10}	Time-stratified	PM_{10} (lag 2 day) was associated with acute MI
Cadum *et al*[13]	10 Italian cities	HA for acute MI	PM_{10}	Time-stratified	PM_{10} was associated with acute MI
Rich *et al*[14]	New Jersey, USA	5864 HA for first-time AMI	$PM_{2.5}$	Time-stratified	$PM_{2.5}$ (24 h average before onset) was associated with transmural MI
Hsieh *et al*[15]	Taipei, Taiwan	23 420 HA for MI	PM_{10}	Time-stratified	PM_{10} (3-day average before onset) was associated with MI
Cheng *et al*[16]	Kaohsiung, Taiwan	9349 HA for MI	PM_{10}	Time-stratified	PM_{10} (3-day average before onset) in cool days (<25°C) was associated with MI
Zanobetti and Schwartz[17]	Boston, USA	15 578 HA for acute MI	$PM_{2.5}$, BC	Time-stratified	$PM_{2.5}$ (lag 0-day) was associated with acute MI
Barnett *et al*[18]	5 cities in Australian and New Zealand	HA for CVD (age ≥15)	$PM_{2.5}$, PM_{10}	Time-stratified	$PM_{2.5}$ (24 h average before onset) was associated with MI
Zanobetti and Schwartz[19]	21 US cities	302 453 HA for MI (age ≥65)	PM_{10}	Time-stratified	PM_{10} (lag 0-day) was associated with MI
Sullivan *et al*[20]	Washington, USA	5793 cases of acute MI	$PM_{2.5}$, PM_{10}	Time-stratified	No association found
D'Ippoliti *et al*[21]	Rome, Italy	6531 HA for first-time AMI	TSP	Time stratified	TSP (lag 0–2 days) was associated with acute MI

Here we focus only on studies of association between PM and MI, they could be partial results from larger studies. Only studies with >1000 MI events are reported.
AMI, acute myocardial infarction; BC, black carbon; HA, hospital admission; MI, myocardial infarction; OC, organic carbon; PM, particulate matter; TSP, total suspended particulate.

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population characteristics might play a role in influencing outcomes for these types of studies. To explore this further, we hypothesised that two demographically similar Canadian cities with similar large populations, climate (weather) and air pollution characteristics should exhibit comparable (reproducible) air pollution effects for MI. We undertook and compared results for independent case-crossover studies in the two main cities of Alberta (Calgary and Edmonton) to test this hypothesis.

Calgary (~1.10 million people, elevation 1045 m above sea level, latitude 51° 2′ N, longitude 114° 3′ W) and Edmonton (~820 000 people, elevation 645 m above sea level, latitude 53° 32′ N, longitude 113° 29′ W) are geographically close to each other (<300 km apart) and both located on the east side of Rock Mountains in western Canada. The Calgary-Edmonton population centres and corridor in between is the most urbanised area in Alberta. Both cities have a relatively moderate semiarid climate with warm summers and cool winters. Both can be subject to wide variation in weather patterns; for example, temperature below −35°C in winter and above 35°C in summer. Both cities share similarities in air pollution characteristics (described later), population structure (age distributions), as well as in some important risk factors for acute myocardial infarction (AMI) disease (table 2). There are also dissimilarities between the cities, such as average prevalence rates of smoking, diabetes and obesity. Our objective was to establish whether air pollution effects for MI were consistent between the cities in order to confirm their reliability beyond traditional statistical significance (ie, p<0.5). Being able to independently reproduce results in the two cities leads to more realistic effects that represent our target population of interest (urban Alberta), not just Calgary or Edmonton.

MATERIALS AND METHODS

Data source

From the provincial ministry of health, we requested all historical records of hospital admission for AMI (International Classification of Diseases (ICD) 10 code I21-I22 or ICD-9 code 410) for Calgary and Edmonton urban dwellers, respectively, for the study. We received de-identified records with a unique scrambled ID of first-time hospitalisation events for AMI occurring during 1 April 1999 to 31 March 2010 with patients aged 20 or over and living in the urban areas of both Calgary and Edmonton. Forward sortation areas (FSAs) are geographical regions in Canada in which all postal codes start with the same three characters. Patients in urban Calgary and Edmonton eligible for the study were from FSAs shown in online supplementary file 1.

We classified a patient's event with an AMI code as I214 (ICD-10) or 4107 (ICD-9) as having non-ST segment elevation myocardial infarction (NSTEMI), and the others as ST segment elevation myocardial infarction (STEMI). The validity of NSTEMI/STEMI classification in the early years of the data set was uncertain. Because of this we only considered first-time hospitalisation events for AMI occurring during 1 April 2002 to 31 March 2010 for classification of NSTEMI/STEMI. Secondary diagnosis codes (diagnosis 2–25) were used to define comorbidities for each patient, including hypertension (ICD-10 codes I10-I13 and I15, or ICD-9 codes 401), diabetes (ICD-10 codes E10-E14, or ICD-9 codes 250) and dysrhythmia (ICD-10 codes I47-I49, or ICD-9 codes 427). First-time hospitalisation events for AMI occurring during 1 April 1999 to 31 March 2010 were used for classification of these comorbidities.

Sex and age (at the start date of an AMI hospitalisation event) were used to define four subcohorts (male, female, patients age <65, patients age ≥65). Patients in the main cohort or in one of the four subcohorts were further divided into subgroups defined by AMI type or comorbidities, including all patients in the cohort or subcohort, patients with NSTEMI, patients with STEMI, patients with diabetes, patients with hypertension and patients with dysrhythmia.

Air pollution time-series data for Alberta were obtained from the Environment Canada National Ambient Pollution Surveillance (NAPS) database[24] for the period 1 March 1999 to 30 April 2010. Four stations in the urban area of Calgary (NAPS ID 90218, 90222, 90228 and 90302) and four stations in urban area of Edmonton (NAPS ID 90120, 90121, 90122 and 90130) provide hourly records of five criteria air pollutants—that is, carbon monoxide (CO), nitric oxide (NO), nitrogen dioxide (NO_2), O_3 and particulate matter with an aerodynamic diameter ≤2.5 µm ($PM_{2.5}$). Daily average levels of the five pollutants were calculated from hourly concentration and further averaged across the four stations. The time series of daily average levels of the five pollutants were linked with AMI hospitalisation data for each of the two cities. We did not consider sulfur dioxide (SO_2) in the analysis because of lack of data. SO_2 is primarily monitored at stations close to industrial activities which, for the most part, are located away from where the populations are in Alberta.

Daily meteorological data during the study period were obtained from the US National Climatic Data Center (NCDC).[25] Four stations in the metropolitan area of Calgary (NCDC ID 712350, 713930, 718770 and 718778) and four stations in metropolitan area of Edmonton (NCDC ID 711210, 711570, 713510 and 718790) provide historical daily meteorological records for air temperature (daily average, minimum and maximum temperature in °C), daily average dew point temperature (in °C) and daily average wind speed (in knots). These records were further averaged across the four stations to represent daily average levels of temperature, dew point temperature and wind speed in each city. These time-series data were linked with AMI data for each of the two cities.

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Table 2 Demographic information and important risk factors of acute myocardial infarction (AMI) for Edmonton and Calgary populations

AMI risk factor	Prevalence in Calgary			Prevalence in Edmonton		
	Both	Female	Male	Both	Female	Male
Smoking	14.89	12.75	16.99	18.13	14.68	21.57
Hypertension	8.66	8.59	8.76	8.77	8.65	8.92
Diabetes	4.01	3.56	4.52	4.78	4.42	5.19
Obesity	15.07	13.20	16.77	17.16	15.22	18.93
History of coronary heart disease	2.40	1.79	3.06	2.34	1.72	3.02
Age 0–19 years	0.25	0.25	0.26	0.25	0.25	0.26
Age 20–64 years	0.62	0.61	0.62	0.60	0.59	0.61
Age ≥65 years	0.13	0.14	0.12	0.15	0.16	0.13
Unemployment	4.10	4.40	3.90	4.70	4.70	4.80

Unemployment data for the two cities were from Census 2006 (http://www12.statcan.gc.ca/census-recensement/2006/index-eng.cfm); all other data were from Alberta Interactive Health Data Application (http://www.ahw.gov.ab.ca/IHDA_Retrieval/) and calculated from annual prevalence rates over the period 2000–2010. Prevalence of smoking is the rate of current daily smokers; prevalence rate of obesity is the rate of people with body mass index ≥30; unemployment is the rate of unemployment for those aged 15 years or over.

Study design and analysis

The case-crossover design[26] was used to study each city separately. The case-crossover design was developed from the case–control design to study associations of transient exposures with acute events. An investigator samples only cases with this design and compares each patient's exposure during a short time period just before a case event (hazard period) with the participant's exposure at other times (reference periods) without leading to case event.[26] Because there is almost perfect matching of all measured and unmeasured individual characteristics that do not vary or that vary slowly over time (ie, age, gender, education, social economic status, personal lifestyle characteristics, body mass index, comorbidity conditions, etc), this design intrinsically adjusts for these characteristics.

The k-th day (k ranging from 0 to 3) before onset of an AMI hospital admission was selected as the hazard exposure period for a patient in the cohort. A time-stratified reference-selection design[27 28] was used for selection of the reference periods. The whole study period was stratified into calendar months, and all days in the same year, same month and matching weekday of the hazard exposure day were selected as controls. A time-stratified reference-selection design is reported as a preferred approach for minimising referents that are not chosen a priori and are functions of the observed event times (referred to as overlap bias).[29]

A conditional logistic regression model was fitted and statistical parameters (coefficient, p value, OR and lower/upper bounds of 95% CI) were calculated for each of the cities and each of 600 effect variables, defined by five cohort or subcohorts (main, male, female, agecat1 (age <65), agecat2 (age ≥65)), six subgroups (whole, STEM, NSTEMI, hypertension, diabetes, dysrhythmia), five pollutants (CO, NO, NO_2, O_3, $PM_{2.5}$) and 4 lag times (0–3 days). Each of the models was adjusted with three metrological variables (daily average of temperature, dew point temperature and wind speed). A stepwise selection procedure was adopted to

Table 3 First-time hospitalisations for acute myocardial infarction in different subgroups

City	Cohort	Whole	STEMI	NSTEMI	HTN	Diabetes	Dysrhythmia
Calgary	Main	12 066 (100%)	4206 (34.9%)	4834 (40.1%)	6060 (50.2%)	2844 (23.6%)	2127 (17.6%)
	Male	8191 (67.9%)	3009 (24.9%)	3106 (25.7%)	3846 (31.9%)	1858 (15.4%)	1413 (11.7%)
	Female	3875 (32.1%)	1197 (9.9%)	1728 (14.3%)	2214 (18.3%)	986 (8.2%)	714 (5.9%)
	Agecat1	5330 (44.2%)	2210 (18.3%)	1804 (15.0%)	2240 (18.6%)	1068 (8.9%)	585 (4.8%)
	Agecat2	6736 (55.8%)	1996 (16.5%)	3030 (25.1%)	3820 (31.7%)	1776 (14.7%)	1542 (12.8%)
Edmonton	Main	10 562 (100%)	3492 (33.1%)	4754 (45.0%)	6154 (58.3%)	2825 (26.7%)	1935 (18.3%)
	Male	6991 (66.2%)	2446 (23.2%)	3008 (28.5%)	3772 (35.7%)	1773 (16.8%)	1201 (11.4%)
	Female	3571 (33.8%)	1046 (9.9%)	1746 (16.5%)	2382 (22.6%)	1052 (10.0%)	734 (6.9%)
	Agecat1	4613 (43.7%)	1813 (17.2%)	1790 (16.9%)	2262 (21.4%)	1039 (9.8%)	449 (4.3%)
	Agecat2	5949 (56.3%)	1679 (15.9%)	2964 (28.1%)	3892 (36.8%)	1786 (16.9%)	1486 (14.1%)

Frequency of STEMI and NSTEMI was based on the period 1 April 2002 to 31 March 2010; frequency of other subgroups was based on the period 1 April 1999 to 31 March 2010. Percentages=number of patients in subgroup divided by 12 066 (for Calgary) or 10 562 (for Edmonton).
Agecat1, age <65; Agecat2, age ≥65; HTN, hypertension; NSTEMI, non-ST segment elevation myocardial infarction; STEMI, ST segment elevation myocardial infarction.

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eliminate redundant meteorological variables with critical level for variable entry and critical level for variable stay in the model both set at 0.25. Coefficient estimation and OR estimation were calculated for the IQR difference (between the 25th and the 75th centiles) for the covariate of interest. For example, for female hypertension patients, we built a logistic regression model on a subset of the data (for Edmonton or Calgary) that included all female hypertension records in each cohort when checking whether 3-day lag daily average $PM_{2.5}$ level was associated with AMI hospitalisation. The model included one variable for 3-day lag $PM_{2.5}$ level and three variables for 3-day lag meteorological condition.

RESULTS

Descriptive analysis

There were a total of 12 066 (10 562) first-time AMI hospitalisation events in the urban areas of Calgary and Edmonton over the period 1 April 1999 to March 2010—an average of 2.62 (3.00) hospitalisations per day. The number of hospitalisations for predefined subgroups is listed in table 3.

Figure 1 shows a summary of monthly average concentrations of the five air pollutants and the three climate factors over the 1 April 1999 to 31 March 2010 period in the two cities. Monthly average air pollution concentrations were not widely divergent among the cities. Obvious seasonal trends are apparent for several of the air pollutants. Much higher (lower) NO and NO_2 levels occur during winter (summer) which is opposite to that of O_3, which has lower (higher) levels occurring during winter (summer). The highest monthly $PM_{2.5}$ levels occur during the summer period (mid-June to mid-September). Overall, figure 1 did not indicate any major differences in monthly average pollution levels and trends between Calgary and Edmonton.

Estimated effects of the pollutants

The same analysis procedure—time-stratified case-crossover design and conditional logistic regression—was repeated for each of the cities and each of the 600 effect variables. For each model, we focused on reporting the estimated effect of an air pollution variable, which was adjusted with the three meteorological factors (daily mean temperature, dew point temperature and wind speed). Parameter estimates for all 600 effect variables (including coefficient, SD, p value, and OR and 95% CI) for Calgary and Edmonton are saved in the online supplementary file 2. Variables with estimated p value less than 0.05 are summarised in table 4. There were 7 (4) effect variables that exhibited significant associations ($p<0.05$) in Calgary (Edmonton) from 600 effect variables examined (table 4). If results for only a single city (Calgary or Edmonton) are reported, most of the variables in table 4 for that city could be suggested as exhibiting positive associations with AMI hospitalisations. However, comparing the findings from each city allows us to consider the issue of reproducibility of effects.[30 31] As stated previously, both cities share similarities in air pollution levels (figure 1) as well as in some important risk factors for AMI disease (table 2) and similar air pollution effects for MI would be anticipated for each city.

Table 4 illustrates that all of the effect variables exhibiting positive associations with AMI hospitalisations are not reproduced for each city; significant effect variables identified in Calgary were not reproduced in Edmonton, and vice versa. For example, NO_2 was suggested as a risk factor for several subgroups identified in Calgary, whereas no positive effect was found for NO_2 in any of the subgroups identified in Edmonton in table 4. Likewise, $PM_{2.5}$ was suggested to be a risk factor for several Edmonton subgroups, whereas no positive effect was found for $PM_{2.5}$ in any of the subgroups identified in Calgary.

DISCUSSION

Among the 600 potential effect variables investigated for the study in Calgary (Edmonton), we found that only 1.17% (0.67%) was statistically significant by using the traditional 5% criterion. None of the associations was reproduced in the two cities. A previous time-series analysis of emergency department visits for angina/MI at 14 hospitals in seven Canadian cities, including Edmonton, during the 1990s and early 2000s examined associations with CO, NO_2, O_3 and $PM_{2.5}$.[32] The strongest associations with increased emergency department visits for angina/MI were only related to 24 h average concentrations of CO and NO_2 lag 0 days in Edmonton, but not for any of the other Canadian cities studied (Halifax, Montreal, Ottawa, Saint John, Toronto and Vancouver). Our study observed increased hospital visits for AMI with several subgroups in Calgary associated with 24 h average concentrations of CO and NO_2 lag 1 day, but not in Edmonton (table 4). As stated previously, different modelling approaches, covariate selection and other confounders[22 23] and different data sets can lead to dissimilar results.

Lack of reproducibility of a $PM_{2.5}$ pollution effect on AMI in our study is not completely unexpected. Although numerous studies have reported $PM_{2.5}$ as an important risk factor for MI,[7 8 14 17 18] including a recent systematic review concluding that most air pollutants were associated with increased short-term risk of MI,[2] an earlier review stated that less than half of literature studies showed clear evidence of elevated MI risk from exposure to air pollutants.[1]

In light of this, we believe that being able to reproduce findings from independent investigations employing similar methods is a useful feature for exploring air pollution effects. It is worthwhile to examine possible reasons for differences in most of the findings for these two cities. First, we speculate that there are differences in population characteristics at the individual level that the analysis did not account for—such as an omitted risk

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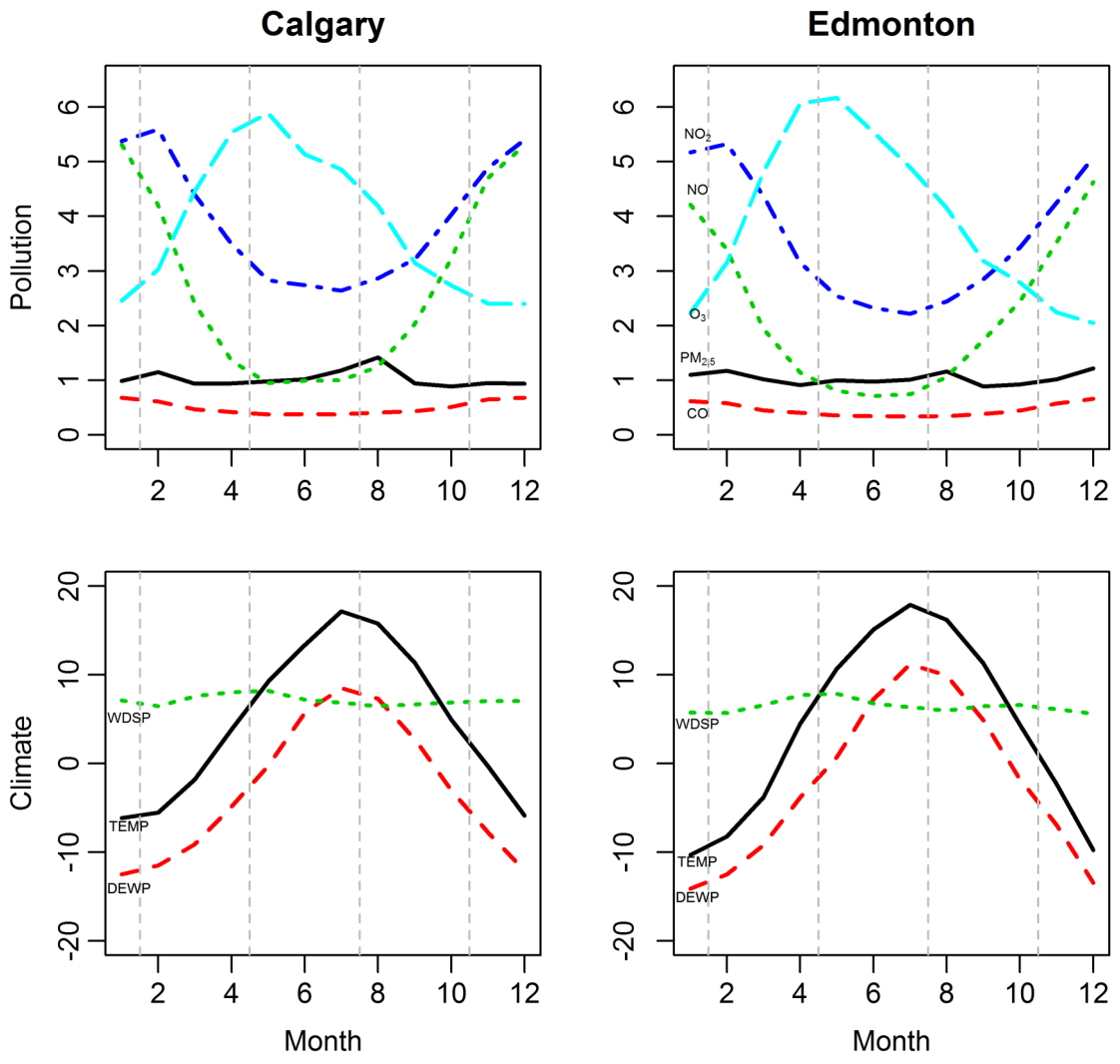

Figure 1 Seasonal trends of monthly average concentrations of air pollutants and monthly levels of climate factors (April 1999–March 2010). Left (right) column represents Calgary (Edmonton); while the top (bottom) row represents pollution (climate) levels. Unit of the monthly average concentrations of pollutants was adjusted: CO (1 unit=1 mg/m^3); NO (1 unit=10 µg/m^3); NO_2 (1 unit=10 µg/m^3); O_3 (1 unit=10 µg/m^3); $PM_{2.5}$, fine particulate matter (1 unit=10 µg/m^3). Unit of the monthly average values of climate factors: TEMP, temperature (1 unit=1°C); DEWP, dew point temperature (1 unit=1°C); WDSP, wind speed (1 unit=0.1 knots).

factor or a difference in air pollution exposure, susceptibility and/or response—in the two cities. If this is true, we should seek out these differences and further investigate air pollution-health associations at the individual level separately for each city. Meta-analysis would be unreasonable because of a specific effect instead of a random effect among the two cities. The data on population characteristics (table 2), monthly average air pollution characteristics (figure 1) and air pollutant IQR concentrations used in the analysis for each city (table 4) are not widely divergent such that a specific difference(s) among the two cities might be an explanation.

Second, differences in the findings of table 4 may be attributed to a weak association[33] between air pollution and AMI hospitalisation in each city and/or a false finding.[34] If this is true, larger scale data sets would be needed to reveal these associations with sufficient power. From a practical point of view, we should be ignoring weak associations. If we had to depend on a large number of health events (eg, over 300 000 AMI events[3 5 19]) to demonstrate a weak association between air pollutants and a health outcome, the findings would be less meaningful in public health practice.

The study was an exploratory analysis comparing independent investigations of air pollution effects on risk of AMI hospitalisation in two geographically close and demographically similar cities of Alberta, Canada. It was assumed that both cities had large enough populations to satisfy epidemiological design criteria. We emphasised reproducibility of findings in the investigations as a way to explore air pollution effects on risk of hospitalisation of urban populations in Alberta. This approach, in our view, was a simple way to identify associations between air pollution and short-term health outcomes in these urban populations. The study was limited in that it was an ecological study with the exposure variables

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Table 4 Parameter and OR estimates for multivariate logistic regression models

Cohort	Subgroup	N	Variable	Lag	Estimate	SE	p Value	OR	Lower CL	Upper CL
Calgary										
Main	Whole	12 066	NO_2	1	0.0452	0.0194	0.0199	1.046	1.007	1.087
Female	Whole	3875	NO_2	1	0.0709	0.0342	0.0381	1.073	1.004	1.148
Female	NSTEMI	1728	$PM_{2.5}$	0	–0.0627	0.0319	0.0489	0.939	0.882	1.000
Agecat1	Dysrhythmia	585	$PM_{2.5}$	1	–0.1285	0.0589	0.0292	0.879	0.784	0.987
Agecat2	Whole	6736	CO	1	0.0264	0.0130	0.0428	1.027	1.001	1.053
Agecat2	Whole	6736	NO	1	0.0324	0.0139	0.0193	1.033	1.005	1.061
Agecat2	Whole	6736	NO_2	1	0.0734	0.0260	0.0047	1.076	1.023	1.132
Edmonton										
Main	Diabetes	2825	$PM_{2.5}$	3	0.0532	0.0247	0.0314	1.055	1.005	1.107
Main	Dysrhythmia	1935	$PM_{2.5}$	0	–0.0616	0.0312	0.0480	0.940	0.885	0.999
Agecat1	Whole	4613	$PM_{2.5}$	1	0.0397	0.0192	0.0391	1.040	1.002	1.080
Agecat1	Diabetes	1039	$PM_{2.5}$	1	0.0836	0.0423	0.0485	1.087	1.001	1.181

Data were calculated for an IQR increase of CO (0.27 mg/m^3), NO (26.3 µg/m^3), NO_2 (21.9 µg/m^3), O_3 (26.7 µg/m^3), $PM_{2.5}$ (7.1 µg/m^3) in the Calgary study, or of CO (0.27 mg/m^3), NO (20 µg/m^3), NO_2 (23.8 µg/m^3), O_3 (30 µg/m^3), $PM_{2.5}$ (7.8 µg/m^3) in the Edmonton study. Frequency of NSTEMI was based on the period 1 April 2002 to 31 March 2010; frequency of other subgroups was based on the period 1 April 1999 to 31 March 2010.
Agecat1, age <65; Agecat2, age ≥65; CL, 95% confident level; N, number of first-time hospitalisations for acute myocardial infarction; NSTEMI, non-ST segment elevation myocardial infarction; PM, particulate matter.

(air pollutants and meteorological variables) measured at central monitoring locations, and thus they did not represent actual exposures for patients with AMI. In addition, we only considered effects from CO, NO, NO_2, O_3 and $PM_{2.5}$. Because of data limitations we could not consider other potentially important factors such as SO_2, other factors (eg, alcohol consumption, physical activity), exposure location prior to onset of AMI (eg, outdoor vs indoor) or special drug usage prior to onset of AMI.

SUMMARY

Comparison of independent investigations of air pollution effects on risk of AMI hospitalisation in Calgary and Edmonton, Alberta, indicated that none of the pollutants investigated—including CO, NO, NO_2, O_3 and $PM_{2.5}$—showed consistent positive associations with increased risk of AMI hospitalisation. The methodology used here is proposed as a way to explore reproducibility of air pollution effects on risk of hospitalisation of urban populations in Alberta.

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Contributors XW participated in the design of the study, contributed in the acquisition of air pollution and meteorological data, performed the statistical analysis, and helped to draft the manuscript. WK conceived the study, participated in its design and coordination, and helped to draft the manuscript. PK contributed in the acquisition of health data. All authors read the draft paper, provided critical comments and approved the final version of the paper.

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Competing interests None declared.

Ethics approval University of Alberta Health Research Ethics Board-Health Panel (IREB Pro00010852).

Provenance and peer review Not commissioned; externally peer reviewed.

Data sharing statement Air pollution data are freely available and can be accessed from the Environment Canada National Ambient Pollution Surveillance (NAPS) database.[24] Daily meteorological data can be obtained from the United States National Climatic Data Center (NCDC).[24] The health administrative data can be obtained with an ethics approval by contacting one of the co-authors who now resides with an agency that provides anonymised and de-identified health administrative data to researchers: XW, Research Innovation & Analytics, Alberta Health Services, 7235 2nd Floor, West Wing 11402 University Avenue Edmonton, Alberta, Canada T6G 2J3. Email: Xiaoming.Wang@albertahealthservices.ca; Tel: (780) 407-4679; Fax: (780) 407-8979.

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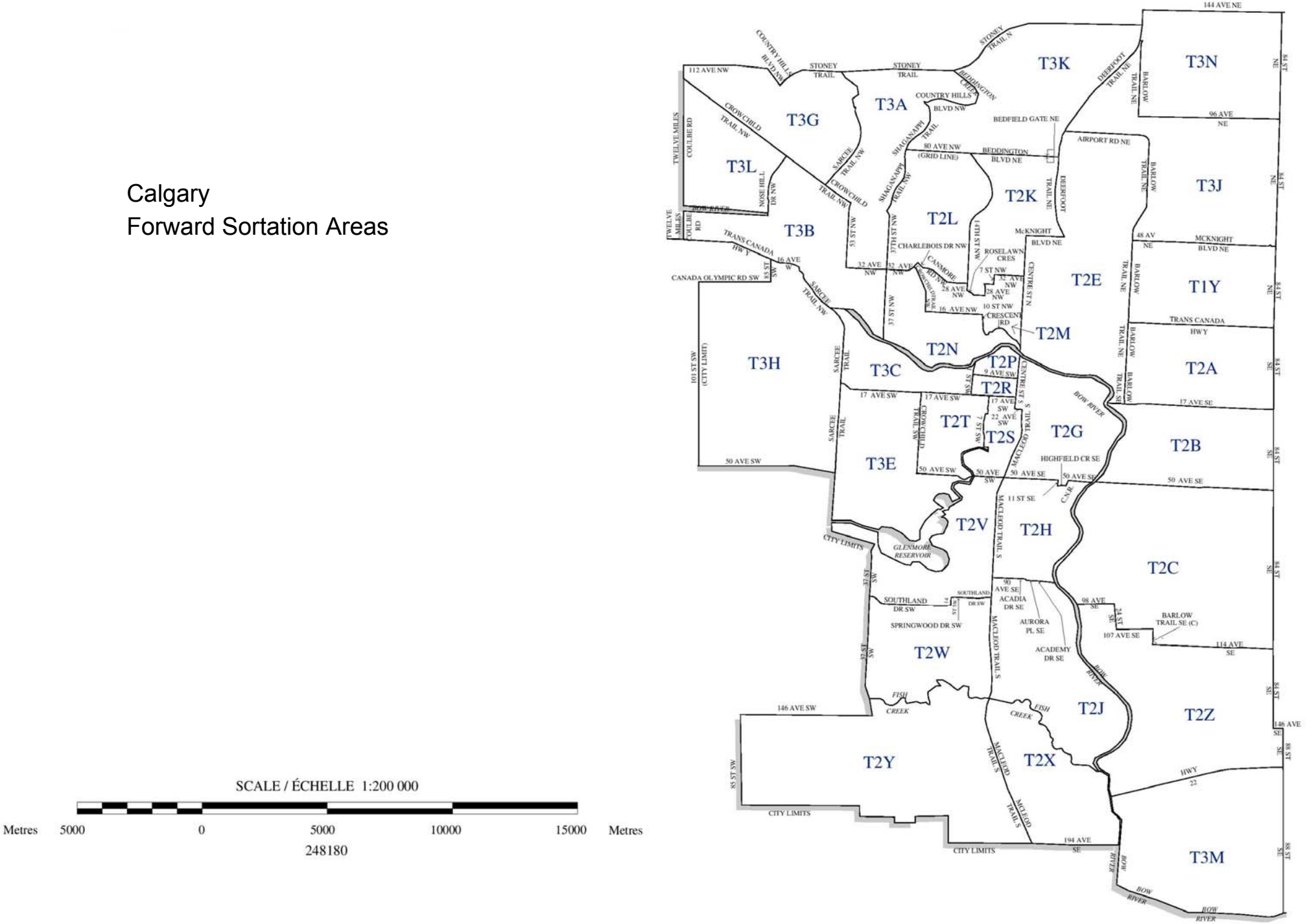
Calgary
Forward Sortation Areas



SCALE / ÉCHELLE 1:200 000

Metres 5000 0 5000 10000 15000 Metres

248180

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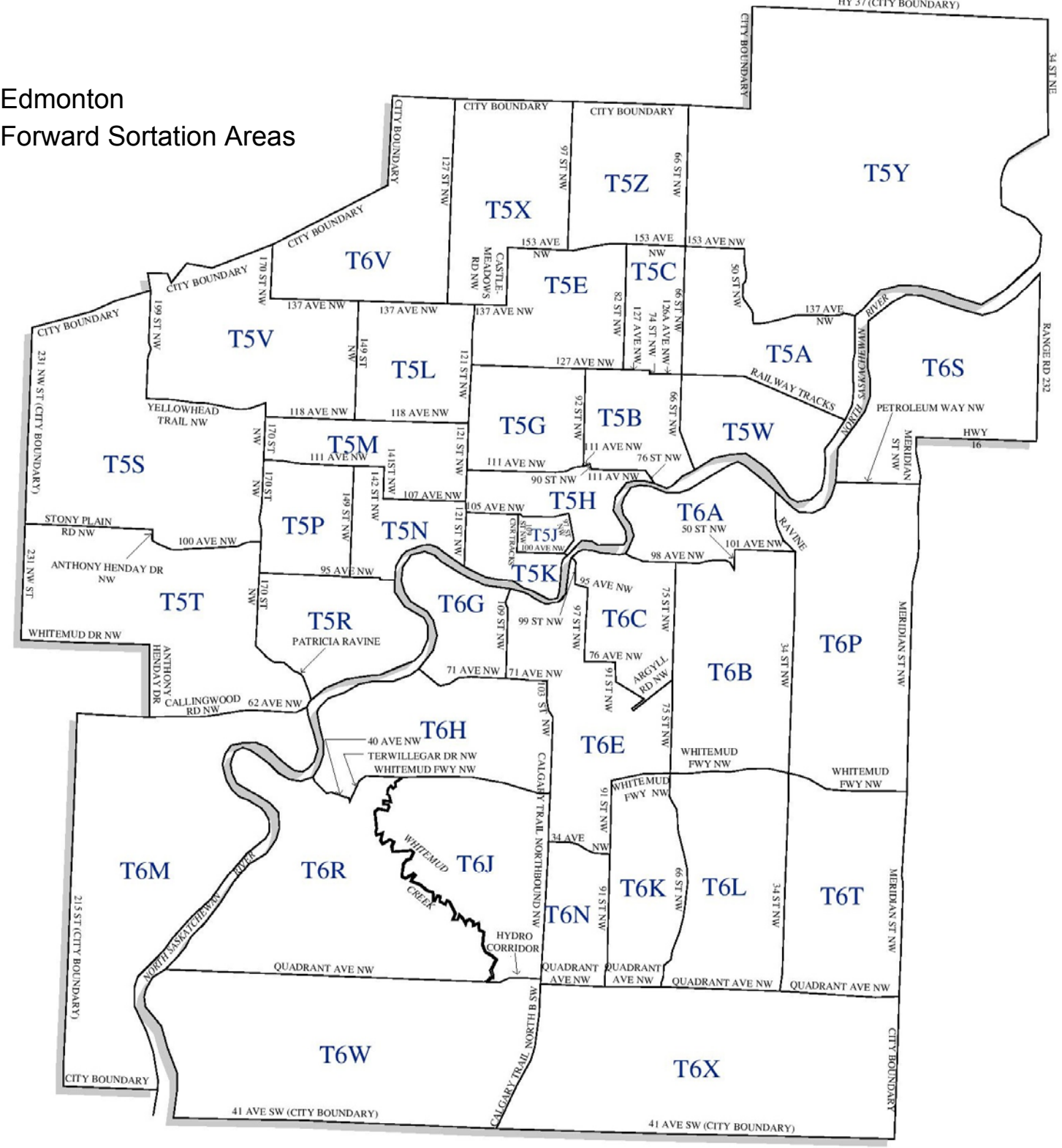
Edmonton
Forward Sortation Areas



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Effect and Odds Ratio Estimates of Pollutants in Calgary

City	Cohort	Subgroup	Lag	Effect Variable	DF	Estimate	StdErr	WaldChiSq	ProbChiSq	OddsRatioEst	LowerCL	UpperCL
Calgary	Main	Whole	0	CO	1	-0.0107	0.0097	1.2347	0.2665	0.989	0.971	1.008
Calgary	Main	Whole	1	CO	1	0.0108	0.0097	1.2238	0.2686	1.011	0.992	1.030
Calgary	Main	Whole	2	CO	1	0.0106	0.0098	1.1855	0.2762	1.011	0.992	1.030
Calgary	Main	Whole	3	CO	1	0.0110	0.0097	1.2987	0.2545	1.011	0.992	1.030
Calgary	Main	Whole	0	NO	1	-0.0121	0.0105	1.3346	0.2480	0.988	0.968	1.008
Calgary	Main	Whole	1	NO	1	0.0137	0.0104	1.7109	0.1909	1.014	0.993	1.035
Calgary	Main	Whole	2	NO	1	0.0105	0.0106	0.9840	0.3212	1.011	0.990	1.032
Calgary	Main	Whole	3	NO	1	0.0126	0.0104	1.4617	0.2267	1.013	0.992	1.033
Calgary	Main	Whole	0	NO2	1	0.0074	0.0194	0.1463	0.7021	1.007	0.970	1.047
Calgary	Main	Whole	1	NO2	1	0.0452	0.0194	5.4163	0.0199	1.046	1.007	1.087
Calgary	Main	Whole	2	NO2	1	0.0263	0.0195	1.8195	0.1774	1.027	0.988	1.067
Calgary	Main	Whole	3	NO2	1	0.0178	0.0194	0.8417	0.3589	1.018	0.980	1.057
Calgary	Main	Whole	0	O3	1	0.0043	0.0192	0.0508	0.8216	1.004	0.967	1.043
Calgary	Main	Whole	1	O3	1	-0.0314	0.0192	2.6737	0.1020	0.969	0.933	1.006
Calgary	Main	Whole	2	O3	1	-0.0185	0.0192	0.9314	0.3345	0.982	0.945	1.019
Calgary	Main	Whole	3	O3	1	-0.0129	0.0191	0.4531	0.5009	0.987	0.951	1.025
Calgary	Main	Whole	0	PM25	1	-0.0117	0.0115	1.0250	0.3113	0.988	0.966	1.011
Calgary	Main	Whole	1	PM25	1	0.0007	0.0113	0.0037	0.9513	1.001	0.979	1.023
Calgary	Main	Whole	2	PM25	1	-0.0049	0.0113	0.1888	0.6640	0.995	0.973	1.017
Calgary	Main	Whole	3	PM25	1	-0.0103	0.0114	0.8101	0.3681	0.990	0.968	1.012
Calgary	Main	STEMI	0	CO	1	0.0068	0.0181	0.1387	0.7096	1.007	0.972	1.043
Calgary	Main	STEMI	1	CO	1	0.0021	0.0186	0.0133	0.9083	1.002	0.966	1.039
Calgary	Main	STEMI	2	CO	1	0.0049	0.0186	0.0690	0.7928	1.005	0.969	1.042
Calgary	Main	STEMI	3	CO	1	0.0197	0.0185	1.1342	0.2869	1.020	0.984	1.058
Calgary	Main	STEMI	0	NO	1	-0.0002	0.0184	0.0001	0.9927	1.000	0.965	1.036
Calgary	Main	STEMI	1	NO	1	-0.0028	0.0188	0.0227	0.8803	0.997	0.961	1.035
Calgary	Main	STEMI	2	NO	1	-0.0028	0.0191	0.0209	0.8850	0.997	0.961	1.035
Calgary	Main	STEMI	3	NO	1	0.0210	0.0187	1.2628	0.2611	1.021	0.985	1.059
Calgary	Main	STEMI	0	NO2	1	0.0247	0.0329	0.5650	0.4522	1.025	0.961	1.093
Calgary	Main	STEMI	1	NO2	1	0.0470	0.0333	1.9986	0.1574	1.048	0.982	1.119
Calgary	Main	STEMI	2	NO2	1	0.0017	0.0332	0.0026	0.9596	1.002	0.939	1.069
Calgary	Main	STEMI	3	NO2	1	0.0235	0.0333	0.4987	0.4801	1.024	0.959	1.093
Calgary	Main	STEMI	0	O3	1	-0.0038	0.0331	0.0131	0.9088	0.996	0.934	1.063
Calgary	Main	STEMI	1	O3	1	-0.0581	0.0332	3.0584	0.0803	0.944	0.884	1.007
Calgary	Main	STEMI	2	O3	1	-0.0290	0.0330	0.7727	0.3794	0.971	0.911	1.036
Calgary	Main	STEMI	3	O3	1	-0.0138	0.0330	0.1744	0.6763	0.986	0.924	1.052
Calgary	Main	STEMI	0	PM25	1	0.0091	0.0178	0.2606	0.6097	1.009	0.975	1.045
Calgary	Main	STEMI	1	PM25	1	-0.0038	0.0187	0.0408	0.8399	0.996	0.960	1.033
Calgary	Main	STEMI	2	PM25	1	-0.0177	0.0192	0.8509	0.3563	0.982	0.946	1.020
Calgary	Main	STEMI	3	PM25	1	-0.0143	0.0182	0.6155	0.4327	0.986	0.951	1.022

Calgary	Main	NSTEMI	0	CO	1	-0.0249	0.0180	1.9100	0.1670	0.975	0.942	1.010
Calgary	Main	NSTEMI	1	CO	1	0.0162	0.0176	0.8445	0.3581	1.016	0.982	1.052
Calgary	Main	NSTEMI	2	CO	1	0.0126	0.0179	0.4958	0.4814	1.013	0.978	1.049
Calgary	Main	NSTEMI	3	CO	1	0.0025	0.0176	0.0204	0.8863	1.003	0.968	1.038
Calgary	Main	NSTEMI	0	NO	1	-0.0231	0.0181	1.6211	0.2029	0.977	0.943	1.013
Calgary	Main	NSTEMI	1	NO	1	0.0222	0.0173	1.6457	0.1996	1.022	0.988	1.058
Calgary	Main	NSTEMI	2	NO	1	0.0153	0.0180	0.7255	0.3943	1.015	0.980	1.052
Calgary	Main	NSTEMI	3	NO	1	0.0006	0.0175	0.0012	0.9720	1.001	0.967	1.036
Calgary	Main	NSTEMI	0	NO2	1	-0.0068	0.0312	0.0477	0.8270	0.993	0.934	1.056
Calgary	Main	NSTEMI	1	NO2	1	0.0519	0.0309	2.8215	0.0930	1.053	0.991	1.119
Calgary	Main	NSTEMI	2	NO2	1	0.0455	0.0312	2.1260	0.1448	1.047	0.984	1.113
Calgary	Main	NSTEMI	3	NO2	1	-0.0012	0.0308	0.0016	0.9679	0.999	0.940	1.061
Calgary	Main	NSTEMI	0	O3	1	0.0137	0.0308	0.1984	0.6560	1.014	0.954	1.077
Calgary	Main	NSTEMI	1	O3	1	-0.0192	0.0308	0.3855	0.5347	0.981	0.923	1.042
Calgary	Main	NSTEMI	2	O3	1	-0.0044	0.0308	0.0203	0.8868	0.996	0.937	1.058
Calgary	Main	NSTEMI	3	O3	1	0.0101	0.0306	0.1100	0.7401	1.010	0.951	1.073
Calgary	Main	NSTEMI	0	PM25	1	-0.0289	0.0186	2.4124	0.1204	0.972	0.937	1.008
Calgary	Main	NSTEMI	1	PM25	1	-0.0172	0.0176	0.9615	0.3268	0.983	0.950	1.017
Calgary	Main	NSTEMI	2	PM25	1	-0.0051	0.0168	0.0927	0.7608	0.995	0.963	1.028
Calgary	Main	NSTEMI	3	PM25	1	-0.0135	0.0178	0.5802	0.4462	0.987	0.953	1.022
Calgary	Main	HTN	0	CO	1	-0.0087	0.0139	0.3970	0.5287	0.991	0.965	1.019
Calgary	Main	HTN	1	CO	1	0.0076	0.0141	0.2903	0.5900	1.008	0.980	1.036
Calgary	Main	HTN	2	CO	1	0.0057	0.0140	0.1656	0.6840	1.006	0.978	1.034
Calgary	Main	HTN	3	CO	1	0.0031	0.0140	0.0472	0.8281	1.003	0.976	1.031
Calgary	Main	HTN	0	NO	1	-0.0017	0.0149	0.0127	0.9102	0.998	0.970	1.028
Calgary	Main	HTN	1	NO	1	0.0107	0.0152	0.5008	0.4792	1.011	0.981	1.041
Calgary	Main	HTN	2	NO	1	0.0054	0.0151	0.1294	0.7191	1.005	0.976	1.036
Calgary	Main	HTN	3	NO	1	0.0003	0.0151	0.0004	0.9841	1.000	0.971	1.030
Calgary	Main	HTN	0	NO2	1	0.0218	0.0274	0.6347	0.4256	1.022	0.969	1.078
Calgary	Main	HTN	1	NO2	1	0.0483	0.0275	3.0835	0.0791	1.049	0.994	1.108
Calgary	Main	HTN	2	NO2	1	0.0295	0.0275	1.1509	0.2834	1.030	0.976	1.087
Calgary	Main	HTN	3	NO2	1	0.0028	0.0275	0.0100	0.9204	1.003	0.950	1.058
Calgary	Main	HTN	0	O3	1	-0.0065	0.0272	0.0578	0.8101	0.993	0.942	1.048
Calgary	Main	HTN	1	O3	1	-0.0240	0.0272	0.7745	0.3788	0.976	0.926	1.030
Calgary	Main	HTN	2	O3	1	-0.0046	0.0272	0.0285	0.8659	0.995	0.944	1.050
Calgary	Main	HTN	3	O3	1	0.0143	0.0271	0.2801	0.5967	1.014	0.962	1.070
Calgary	Main	HTN	0	PM25	1	0.0003	0.0156	0.0004	0.9840	1.000	0.970	1.031
Calgary	Main	HTN	1	PM25	1	0.0059	0.0158	0.1411	0.7072	1.006	0.975	1.038
Calgary	Main	HTN	2	PM25	1	0.0010	0.0159	0.0040	0.9495	1.001	0.970	1.033
Calgary	Main	HTN	3	PM25	1	0.0039	0.0158	0.0591	0.8080	1.004	0.973	1.036
Calgary	Main	Diabetes	0	CO	1	-0.0152	0.0201	0.5709	0.4499	0.985	0.947	1.025
Calgary	Main	Diabetes	1	CO	1	0.0060	0.0203	0.0881	0.7666	1.006	0.967	1.047
Calgary	Main	Diabetes	2	CO	1	0.0325	0.0200	2.6583	0.1030	1.033	0.993	1.074
Calgary	Main	Diabetes	3	CO	1	0.0134	0.0202	0.4395	0.5073	1.013	0.974	1.054

Calgary	Main	Diabetes	0	NO	1	-0.0112	0.0219	0.2601	0.6100	0.989	0.947	1.032
Calgary	Main	Diabetes	1	NO	1	0.0219	0.0219	0.9971	0.3180	1.022	0.979	1.067
Calgary	Main	Diabetes	2	NO	1	0.0378	0.0214	3.1234	0.0772	1.039	0.996	1.083
Calgary	Main	Diabetes	3	NO	1	0.0113	0.0216	0.2712	0.6025	1.011	0.969	1.055
Calgary	Main	Diabetes	0	NO2	1	-0.0010	0.0401	0.0006	0.9807	0.999	0.924	1.081
Calgary	Main	Diabetes	1	NO2	1	0.0587	0.0402	2.1306	0.1444	1.060	0.980	1.147
Calgary	Main	Diabetes	2	NO2	1	0.0668	0.0397	2.8318	0.0924	1.069	0.989	1.156
Calgary	Main	Diabetes	3	NO2	1	0.0167	0.0400	0.1744	0.6763	1.017	0.940	1.100
Calgary	Main	Diabetes	0	O3	1	-0.0011	0.0399	0.0007	0.9790	0.999	0.924	1.080
Calgary	Main	Diabetes	1	O3	1	-0.0246	0.0397	0.3849	0.5350	0.976	0.903	1.055
Calgary	Main	Diabetes	2	O3	1	-0.0443	0.0396	1.2500	0.2636	0.957	0.885	1.034
Calgary	Main	Diabetes	3	O3	1	0.0051	0.0395	0.0168	0.8969	1.005	0.930	1.086
Calgary	Main	Diabetes	0	PM25	1	-0.0011	0.0244	0.0019	0.9651	0.999	0.952	1.048
Calgary	Main	Diabetes	1	PM25	1	-0.0043	0.0234	0.0339	0.8540	0.996	0.951	1.043
Calgary	Main	Diabetes	2	PM25	1	0.0084	0.0214	0.1544	0.6944	1.008	0.967	1.052
Calgary	Main	Diabetes	3	PM25	1	-0.0223	0.0226	0.9726	0.3240	0.978	0.936	1.022
Calgary	Main	Dysrhythmia	0	CO	1	-0.0059	0.0228	0.0674	0.7952	0.994	0.951	1.040
Calgary	Main	Dysrhythmia	1	CO	1	0.0150	0.0229	0.4287	0.5126	1.015	0.971	1.062
Calgary	Main	Dysrhythmia	2	CO	1	0.0065	0.0229	0.0799	0.7775	1.007	0.962	1.053
Calgary	Main	Dysrhythmia	3	CO	1	-0.0087	0.0228	0.1471	0.7013	0.991	0.948	1.037
Calgary	Main	Dysrhythmia	0	NO	1	0.0064	0.0240	0.0708	0.7901	1.006	0.960	1.055
Calgary	Main	Dysrhythmia	1	NO	1	0.0145	0.0243	0.3592	0.5490	1.015	0.968	1.064
Calgary	Main	Dysrhythmia	2	NO	1	0.0060	0.0243	0.0611	0.8047	1.006	0.959	1.055
Calgary	Main	Dysrhythmia	3	NO	1	-0.0008	0.0243	0.0009	0.9755	0.999	0.953	1.048
Calgary	Main	Dysrhythmia	0	NO2	1	0.0097	0.0464	0.0437	0.8343	1.010	0.922	1.106
Calgary	Main	Dysrhythmia	1	NO2	1	0.0512	0.0465	1.2097	0.2714	1.053	0.961	1.153
Calgary	Main	Dysrhythmia	2	NO2	1	0.0300	0.0466	0.4147	0.5196	1.030	0.941	1.129
Calgary	Main	Dysrhythmia	3	NO2	1	-0.0007	0.0465	0.0002	0.9879	0.999	0.912	1.095
Calgary	Main	Dysrhythmia	0	O3	1	-0.0318	0.0453	0.4935	0.4824	0.969	0.886	1.059
Calgary	Main	Dysrhythmia	1	O3	1	-0.0445	0.0454	0.9606	0.3270	0.956	0.875	1.045
Calgary	Main	Dysrhythmia	2	O3	1	-0.0012	0.0451	0.0007	0.9782	0.999	0.914	1.091
Calgary	Main	Dysrhythmia	3	O3	1	0.0136	0.0446	0.0936	0.7596	1.014	0.929	1.106
Calgary	Main	Dysrhythmia	0	PM25	1	-0.0239	0.0296	0.6489	0.4205	0.976	0.921	1.035
Calgary	Main	Dysrhythmia	1	PM25	1	-0.0396	0.0294	1.8112	0.1784	0.961	0.907	1.018
Calgary	Main	Dysrhythmia	2	PM25	1	-0.0346	0.0273	1.5980	0.2062	0.966	0.916	1.019
Calgary	Main	Dysrhythmia	3	PM25	1	-0.0284	0.0266	1.1389	0.2859	0.972	0.923	1.024
Calgary	Male	Whole	0	CO	1	-0.0159	0.0117	1.8462	0.1742	0.984	0.962	1.007
Calgary	Male	Whole	1	CO	1	0.0033	0.0118	0.0795	0.7780	1.003	0.980	1.027
Calgary	Male	Whole	2	CO	1	0.0084	0.0118	0.4990	0.4799	1.008	0.985	1.032
Calgary	Male	Whole	3	CO	1	0.0118	0.0117	1.0181	0.3130	1.012	0.989	1.035
Calgary	Male	Whole	0	NO	1	-0.0163	0.0128	1.6160	0.2036	0.984	0.959	1.009
Calgary	Male	Whole	1	NO	1	0.0060	0.0127	0.2226	0.6371	1.006	0.981	1.031
Calgary	Male	Whole	2	NO	1	0.0103	0.0128	0.6383	0.4243	1.010	0.985	1.036
Calgary	Male	Whole	3	NO	1	0.0179	0.0126	2.0218	0.1551	1.018	0.993	1.043

Calgary	Male	Whole	0	NO2	1	0.0042	0.0236	0.0315	0.8592	1.004	0.959	1.052
Calgary	Male	Whole	1	NO2	1	0.0331	0.0236	1.9665	0.1608	1.034	0.987	1.083
Calgary	Male	Whole	2	NO2	1	0.0278	0.0237	1.3815	0.2398	1.028	0.982	1.077
Calgary	Male	Whole	3	NO2	1	0.0237	0.0237	1.0011	0.3170	1.024	0.978	1.073
Calgary	Male	Whole	0	O3	1	0.0065	0.0234	0.0763	0.7824	1.006	0.961	1.054
Calgary	Male	Whole	1	O3	1	-0.0243	0.0234	1.0811	0.2985	0.976	0.932	1.022
Calgary	Male	Whole	2	O3	1	-0.0187	0.0233	0.6395	0.4239	0.982	0.938	1.027
Calgary	Male	Whole	3	O3	1	-0.0159	0.0233	0.4631	0.4962	0.984	0.940	1.030
Calgary	Male	Whole	0	PM25	1	-0.0111	0.0141	0.6186	0.4316	0.989	0.962	1.017
Calgary	Male	Whole	1	PM25	1	-0.0020	0.0137	0.0203	0.8867	0.998	0.972	1.025
Calgary	Male	Whole	2	PM25	1	-0.0070	0.0136	0.2636	0.6076	0.993	0.967	1.020
Calgary	Male	Whole	3	PM25	1	-0.0160	0.0138	1.3548	0.2444	0.984	0.958	1.011
Calgary	Male	STEMI	0	CO	1	0.0045	0.0217	0.0437	0.8345	1.005	0.963	1.048
Calgary	Male	STEMI	1	CO	1	-0.0110	0.0221	0.2486	0.6181	0.989	0.947	1.033
Calgary	Male	STEMI	2	CO	1	-0.0038	0.0220	0.0298	0.8630	0.996	0.954	1.040
Calgary	Male	STEMI	3	CO	1	0.0157	0.0220	0.5080	0.4760	1.016	0.973	1.061
Calgary	Male	STEMI	0	NO	1	0.0071	0.0218	0.1067	0.7440	1.007	0.965	1.051
Calgary	Male	STEMI	1	NO	1	-0.0123	0.0224	0.3024	0.5824	0.988	0.945	1.032
Calgary	Male	STEMI	2	NO	1	-0.0078	0.0224	0.1208	0.7281	0.992	0.950	1.037
Calgary	Male	STEMI	3	NO	1	0.0252	0.0221	1.3014	0.2540	1.025	0.982	1.071
Calgary	Male	STEMI	0	NO2	1	0.0303	0.0391	0.5992	0.4389	1.031	0.955	1.113
Calgary	Male	STEMI	1	NO2	1	0.0350	0.0395	0.7871	0.3750	1.036	0.959	1.119
Calgary	Male	STEMI	2	NO2	1	-0.0061	0.0391	0.0243	0.8762	0.994	0.921	1.073
Calgary	Male	STEMI	3	NO2	1	0.0210	0.0395	0.2832	0.5946	1.021	0.945	1.103
Calgary	Male	STEMI	0	O3	1	-0.0012	0.0392	0.0009	0.9762	0.999	0.925	1.079
Calgary	Male	STEMI	1	O3	1	-0.0440	0.0394	1.2448	0.2646	0.957	0.886	1.034
Calgary	Male	STEMI	2	O3	1	-0.0272	0.0390	0.4879	0.4849	0.973	0.902	1.050
Calgary	Male	STEMI	3	O3	1	-0.0104	0.0390	0.0716	0.7890	0.990	0.917	1.068
Calgary	Male	STEMI	0	PM25	1	0.0046	0.0216	0.0462	0.8298	1.005	0.963	1.048
Calgary	Male	STEMI	1	PM25	1	-0.0144	0.0224	0.4137	0.5201	0.986	0.943	1.030
Calgary	Male	STEMI	2	PM25	1	-0.0328	0.0230	2.0296	0.1543	0.968	0.925	1.012
Calgary	Male	STEMI	3	PM25	1	-0.0259	0.0215	1.4585	0.2272	0.974	0.934	1.016
Calgary	Male	NSTEMI	0	CO	1	-0.0386	0.0226	2.9199	0.0875	0.962	0.920	1.006
Calgary	Male	NSTEMI	1	CO	1	0.0107	0.0220	0.2372	0.6263	1.011	0.968	1.055
Calgary	Male	NSTEMI	2	CO	1	0.0096	0.0226	0.1799	0.6715	1.010	0.966	1.055
Calgary	Male	NSTEMI	3	CO	1	-0.0098	0.0223	0.1947	0.6590	0.990	0.948	1.034
Calgary	Male	NSTEMI	0	NO	1	-0.0388	0.0230	2.8322	0.0924	0.962	0.919	1.006
Calgary	Male	NSTEMI	1	NO	1	0.0125	0.0216	0.3364	0.5619	1.013	0.971	1.056
Calgary	Male	NSTEMI	2	NO	1	0.0129	0.0227	0.3212	0.5709	1.013	0.969	1.059
Calgary	Male	NSTEMI	3	NO	1	-0.0117	0.0220	0.2818	0.5955	0.988	0.947	1.032
Calgary	Male	NSTEMI	0	NO2	1	-0.0126	0.0390	0.1051	0.7458	0.987	0.915	1.066
Calgary	Male	NSTEMI	1	NO2	1	0.0318	0.0387	0.6756	0.4111	1.032	0.957	1.114
Calgary	Male	NSTEMI	2	NO2	1	0.0417	0.0392	1.1358	0.2865	1.043	0.966	1.126
Calgary	Male	NSTEMI	3	NO2	1	-0.0169	0.0387	0.1910	0.6621	0.983	0.911	1.061

Calgary	Male	NSTEMI	0	O3	1	0.0119	0.0386	0.0954	0.7574	1.012	0.938	1.091
Calgary	Male	NSTEMI	1	O3	1	-0.0059	0.0386	0.0234	0.8784	0.994	0.922	1.072
Calgary	Male	NSTEMI	2	O3	1	-0.0100	0.0385	0.0670	0.7957	0.990	0.918	1.068
Calgary	Male	NSTEMI	3	O3	1	0.0128	0.0384	0.1115	0.7384	1.013	0.939	1.092
Calgary	Male	NSTEMI	0	PM25	1	-0.0096	0.0230	0.1734	0.6771	0.990	0.947	1.036
Calgary	Male	NSTEMI	1	PM25	1	-0.0004	0.0210	0.0004	0.9845	1.000	0.959	1.042
Calgary	Male	NSTEMI	2	PM25	1	0.0041	0.0202	0.0410	0.8395	1.004	0.965	1.045
Calgary	Male	NSTEMI	3	PM25	1	-0.0253	0.0223	1.2939	0.2553	0.975	0.933	1.018
Calgary	Male	HTN	0	CO	1	-0.0154	0.0173	0.7880	0.3747	0.985	0.952	1.019
Calgary	Male	HTN	1	CO	1	-0.0007	0.0176	0.0017	0.9672	0.999	0.965	1.034
Calgary	Male	HTN	2	CO	1	0.0130	0.0175	0.5556	0.4560	1.013	0.979	1.048
Calgary	Male	HTN	3	CO	1	0.0096	0.0175	0.3005	0.5836	1.010	0.976	1.045
Calgary	Male	HTN	0	NO	1	-0.0079	0.0187	0.1794	0.6719	0.992	0.956	1.029
Calgary	Male	HTN	1	NO	1	0.0045	0.0189	0.0565	0.8121	1.005	0.968	1.042
Calgary	Male	HTN	2	NO	1	0.0184	0.0187	0.9711	0.3244	1.019	0.982	1.057
Calgary	Male	HTN	3	NO	1	0.0132	0.0186	0.5042	0.4776	1.013	0.977	1.051
Calgary	Male	HTN	0	NO2	1	0.0219	0.0344	0.4068	0.5236	1.022	0.956	1.093
Calgary	Male	HTN	1	NO2	1	0.0335	0.0345	0.9411	0.3320	1.034	0.966	1.106
Calgary	Male	HTN	2	NO2	1	0.0452	0.0344	1.7243	0.1891	1.046	0.978	1.119
Calgary	Male	HTN	3	NO2	1	0.0303	0.0346	0.7705	0.3801	1.031	0.963	1.103
Calgary	Male	HTN	0	O3	1	-0.0153	0.0343	0.2002	0.6546	0.985	0.921	1.053
Calgary	Male	HTN	1	O3	1	-0.0144	0.0343	0.1763	0.6746	0.986	0.922	1.054
Calgary	Male	HTN	2	O3	1	-0.0078	0.0340	0.0527	0.8184	0.992	0.928	1.061
Calgary	Male	HTN	3	O3	1	0.0015	0.0342	0.0018	0.9661	1.001	0.937	1.071
Calgary	Male	HTN	0	PM25	1	-0.0017	0.0206	0.0068	0.9341	0.998	0.959	1.039
Calgary	Male	HTN	1	PM25	1	0.0076	0.0203	0.1406	0.7077	1.008	0.968	1.049
Calgary	Male	HTN	2	PM25	1	-0.0066	0.0201	0.1071	0.7434	0.993	0.955	1.033
Calgary	Male	HTN	3	PM25	1	-0.0070	0.0198	0.1235	0.7253	0.993	0.955	1.032
Calgary	Male	Diabetes	0	CO	1	-0.0161	0.0249	0.4189	0.5175	0.984	0.937	1.033
Calgary	Male	Diabetes	1	CO	1	-0.0053	0.0250	0.0452	0.8316	0.995	0.947	1.045
Calgary	Male	Diabetes	2	CO	1	0.0284	0.0245	1.3505	0.2452	1.029	0.981	1.079
Calgary	Male	Diabetes	3	CO	1	0.0107	0.0251	0.1824	0.6693	1.011	0.962	1.062
Calgary	Male	Diabetes	0	NO	1	-0.0072	0.0271	0.0715	0.7892	0.993	0.941	1.047
Calgary	Male	Diabetes	1	NO	1	0.0132	0.0267	0.2437	0.6215	1.013	0.962	1.068
Calgary	Male	Diabetes	2	NO	1	0.0403	0.0259	2.4260	0.1193	1.041	0.990	1.095
Calgary	Male	Diabetes	3	NO	1	0.0195	0.0264	0.5502	0.4582	1.020	0.968	1.074
Calgary	Male	Diabetes	0	NO2	1	0.0065	0.0497	0.0170	0.8963	1.006	0.913	1.109
Calgary	Male	Diabetes	1	NO2	1	0.0477	0.0497	0.9209	0.3372	1.049	0.952	1.156
Calgary	Male	Diabetes	2	NO2	1	0.0893	0.0486	3.3791	0.0660	1.093	0.994	1.203
Calgary	Male	Diabetes	3	NO2	1	0.0298	0.0495	0.3626	0.5471	1.030	0.935	1.135
Calgary	Male	Diabetes	0	O3	1	-0.0127	0.0502	0.0641	0.8001	0.987	0.895	1.089
Calgary	Male	Diabetes	1	O3	1	-0.0287	0.0496	0.3342	0.5632	0.972	0.882	1.071
Calgary	Male	Diabetes	2	O3	1	-0.0667	0.0491	1.8445	0.1744	0.935	0.850	1.030
Calgary	Male	Diabetes	3	O3	1	-0.0018	0.0496	0.0013	0.9717	0.998	0.906	1.100

Calgary	Male	Diabetes	0	PM25	1	-0.0049	0.0303	0.0265	0.8706	0.995	0.938	1.056
Calgary	Male	Diabetes	1	PM25	1	-0.0021	0.0291	0.0053	0.9418	0.998	0.942	1.057
Calgary	Male	Diabetes	2	PM25	1	0.0161	0.0265	0.3692	0.5435	1.016	0.965	1.070
Calgary	Male	Diabetes	3	PM25	1	-0.0225	0.0279	0.6526	0.4192	0.978	0.926	1.033
Calgary	Male	Dysrhythmia	0	CO	1	-0.0024	0.0279	0.0076	0.9306	0.998	0.944	1.054
Calgary	Male	Dysrhythmia	1	CO	1	-0.0079	0.0284	0.0768	0.7817	0.992	0.938	1.049
Calgary	Male	Dysrhythmia	2	CO	1	-0.0047	0.0281	0.0274	0.8684	0.995	0.942	1.052
Calgary	Male	Dysrhythmia	3	CO	1	-0.0302	0.0281	1.1537	0.2828	0.970	0.918	1.025
Calgary	Male	Dysrhythmia	0	NO	1	0.0095	0.0290	0.1074	0.7432	1.010	0.954	1.069
Calgary	Male	Dysrhythmia	1	NO	1	-0.0092	0.0300	0.0944	0.7586	0.991	0.934	1.051
Calgary	Male	Dysrhythmia	2	NO	1	-0.0075	0.0295	0.0645	0.7996	0.993	0.937	1.052
Calgary	Male	Dysrhythmia	3	NO	1	-0.0288	0.0297	0.9433	0.3314	0.972	0.917	1.030
Calgary	Male	Dysrhythmia	0	NO2	1	-0.0096	0.0570	0.0284	0.8663	0.990	0.886	1.107
Calgary	Male	Dysrhythmia	1	NO2	1	0.0291	0.0571	0.2590	0.6108	1.029	0.920	1.151
Calgary	Male	Dysrhythmia	2	NO2	1	0.0281	0.0569	0.2438	0.6215	1.028	0.920	1.150
Calgary	Male	Dysrhythmia	3	NO2	1	-0.0248	0.0572	0.1876	0.6649	0.976	0.872	1.091
Calgary	Male	Dysrhythmia	0	O3	1	-0.0518	0.0563	0.8466	0.3575	0.950	0.850	1.060
Calgary	Male	Dysrhythmia	1	O3	1	-0.0532	0.0561	0.8989	0.3431	0.948	0.850	1.058
Calgary	Male	Dysrhythmia	2	O3	1	0.0224	0.0557	0.1617	0.6876	1.023	0.917	1.141
Calgary	Male	Dysrhythmia	3	O3	1	0.0327	0.0551	0.3514	0.5533	1.033	0.927	1.151
Calgary	Male	Dysrhythmia	0	PM25	1	-0.0620	0.0367	2.8476	0.0915	0.940	0.875	1.010
Calgary	Male	Dysrhythmia	1	PM25	1	-0.0690	0.0361	3.6450	0.0562	0.933	0.870	1.002
Calgary	Male	Dysrhythmia	2	PM25	1	-0.0666	0.0347	3.6929	0.0546	0.936	0.874	1.001
Calgary	Male	Dysrhythmia	3	PM25	1	-0.0460	0.0330	1.9373	0.1640	0.955	0.895	1.019
Calgary	Female	Whole	0	CO	1	0.0005	0.0172	0.0007	0.9787	1.000	0.967	1.035
Calgary	Female	Whole	1	CO	1	0.0267	0.0172	2.4165	0.1201	1.027	0.993	1.062
Calgary	Female	Whole	2	CO	1	0.0154	0.0173	0.7881	0.3747	1.015	0.982	1.051
Calgary	Female	Whole	3	CO	1	0.0094	0.0171	0.3055	0.5805	1.009	0.976	1.044
Calgary	Female	Whole	0	NO	1	-0.0036	0.0184	0.0375	0.8465	0.996	0.961	1.033
Calgary	Female	Whole	1	NO	1	0.0304	0.0184	2.7215	0.0990	1.031	0.994	1.069
Calgary	Female	Whole	2	NO	1	0.0112	0.0189	0.3543	0.5517	1.011	0.975	1.049
Calgary	Female	Whole	3	NO	1	0.0015	0.0185	0.0067	0.9348	1.002	0.966	1.039
Calgary	Female	Whole	0	NO2	1	0.0138	0.0340	0.1654	0.6843	1.014	0.948	1.084
Calgary	Female	Whole	1	NO2	1	0.0709	0.0342	4.3012	0.0381	1.073	1.004	1.148
Calgary	Female	Whole	2	NO2	1	0.0231	0.0344	0.4511	0.5018	1.023	0.957	1.095
Calgary	Female	Whole	3	NO2	1	0.0061	0.0339	0.0325	0.8569	1.006	0.941	1.075
Calgary	Female	Whole	0	O3	1	0.0004	0.0338	0.0002	0.9899	1.000	0.936	1.069
Calgary	Female	Whole	1	O3	1	-0.0468	0.0337	1.9285	0.1649	0.954	0.893	1.019
Calgary	Female	Whole	2	O3	1	-0.0194	0.0338	0.3316	0.5647	0.981	0.918	1.048
Calgary	Female	Whole	3	O3	1	-0.0074	0.0334	0.0488	0.8252	0.993	0.930	1.060
Calgary	Female	Whole	0	PM25	1	-0.0124	0.0199	0.3864	0.5342	0.988	0.950	1.027
Calgary	Female	Whole	1	PM25	1	0.0066	0.0201	0.1064	0.7442	1.007	0.968	1.047
Calgary	Female	Whole	2	PM25	1	-0.0006	0.0203	0.0008	0.9773	0.999	0.960	1.040
Calgary	Female	Whole	3	PM25	1	0.0026	0.0203	0.0163	0.8985	1.003	0.963	1.043

Calgary	Female	STEMI	0	CO	1	0.0128	0.0331	0.1504	0.6981	1.013	0.949	1.081
Calgary	Female	STEMI	1	CO	1	0.0350	0.0343	1.0382	0.3082	1.036	0.968	1.108
Calgary	Female	STEMI	2	CO	1	0.0285	0.0347	0.6737	0.4118	1.029	0.961	1.101
Calgary	Female	STEMI	3	CO	1	0.0297	0.0341	0.7549	0.3849	1.030	0.963	1.101
Calgary	Female	STEMI	0	NO	1	-0.0169	0.0341	0.2456	0.6202	0.983	0.920	1.051
Calgary	Female	STEMI	1	NO	1	0.0215	0.0349	0.3774	0.5390	1.022	0.954	1.094
Calgary	Female	STEMI	2	NO	1	0.0118	0.0363	0.1048	0.7462	1.012	0.942	1.086
Calgary	Female	STEMI	3	NO	1	0.0112	0.0351	0.1011	0.7505	1.011	0.944	1.083
Calgary	Female	STEMI	0	NO2	1	0.0127	0.0605	0.0443	0.8333	1.013	0.900	1.140
Calgary	Female	STEMI	1	NO2	1	0.0783	0.0619	1.6023	0.2056	1.081	0.958	1.221
Calgary	Female	STEMI	2	NO2	1	0.0262	0.0630	0.1729	0.6775	1.027	0.907	1.162
Calgary	Female	STEMI	3	NO2	1	0.0305	0.0619	0.2422	0.6226	1.031	0.913	1.164
Calgary	Female	STEMI	0	O3	1	-0.0116	0.0618	0.0352	0.8511	0.988	0.876	1.116
Calgary	Female	STEMI	1	O3	1	-0.0957	0.0619	2.3897	0.1221	0.909	0.805	1.026
Calgary	Female	STEMI	2	O3	1	-0.0386	0.0621	0.3876	0.5335	0.962	0.852	1.087
Calgary	Female	STEMI	3	O3	1	-0.0229	0.0621	0.1356	0.7127	0.977	0.865	1.104
Calgary	Female	STEMI	0	PM25	1	0.0185	0.0313	0.3506	0.5538	1.019	0.958	1.083
Calgary	Female	STEMI	1	PM25	1	0.0218	0.0338	0.4150	0.5194	1.022	0.957	1.092
Calgary	Female	STEMI	2	PM25	1	0.0180	0.0349	0.2663	0.6058	1.018	0.951	1.090
Calgary	Female	STEMI	3	PM25	1	0.0166	0.0346	0.2287	0.6325	1.017	0.950	1.088
Calgary	Female	NSTEMI	0	CO	1	-0.0007	0.0298	0.0005	0.9815	0.999	0.943	1.059
Calgary	Female	NSTEMI	1	CO	1	0.0266	0.0294	0.8202	0.3651	1.027	0.969	1.088
Calgary	Female	NSTEMI	2	CO	1	0.0178	0.0293	0.3680	0.5441	1.018	0.961	1.078
Calgary	Female	NSTEMI	3	CO	1	0.0232	0.0289	0.6478	0.4209	1.024	0.967	1.083
Calgary	Female	NSTEMI	0	NO	1	0.0034	0.0294	0.0131	0.9089	1.003	0.947	1.063
Calgary	Female	NSTEMI	1	NO	1	0.0412	0.0291	2.0009	0.1572	1.042	0.984	1.103
Calgary	Female	NSTEMI	2	NO	1	0.0200	0.0296	0.4590	0.4981	1.020	0.963	1.081
Calgary	Female	NSTEMI	3	NO	1	0.0218	0.0289	0.5699	0.4503	1.022	0.966	1.082
Calgary	Female	NSTEMI	0	NO2	1	0.0033	0.0521	0.0040	0.9494	1.003	0.906	1.111
Calgary	Female	NSTEMI	1	NO2	1	0.0886	0.0515	2.9594	0.0854	1.093	0.988	1.209
Calgary	Female	NSTEMI	2	NO2	1	0.0533	0.0516	1.0650	0.3021	1.055	0.953	1.167
Calgary	Female	NSTEMI	3	NO2	1	0.0259	0.0510	0.2570	0.6122	1.026	0.929	1.134
Calgary	Female	NSTEMI	0	O3	1	0.0167	0.0513	0.1067	0.7439	1.017	0.920	1.124
Calgary	Female	NSTEMI	1	O3	1	-0.0447	0.0513	0.7587	0.3837	0.956	0.865	1.057
Calgary	Female	NSTEMI	2	O3	1	0.0040	0.0512	0.0061	0.9377	1.004	0.908	1.110
Calgary	Female	NSTEMI	3	O3	1	0.0060	0.0504	0.0140	0.9057	1.006	0.911	1.111
Calgary	Female	NSTEMI	0	PM25	1	-0.0627	0.0319	3.8776	0.0489	0.939	0.882	1.000
Calgary	Female	NSTEMI	1	PM25	1	-0.0542	0.0317	2.9161	0.0877	0.947	0.890	1.008
Calgary	Female	NSTEMI	2	PM25	1	-0.0263	0.0302	0.7555	0.3847	0.974	0.918	1.034
Calgary	Female	NSTEMI	3	PM25	1	0.0079	0.0297	0.0714	0.7894	1.008	0.951	1.068
Calgary	Female	HTN	0	CO	1	0.0031	0.0231	0.0185	0.8920	1.003	0.959	1.050
Calgary	Female	HTN	1	CO	1	0.0230	0.0236	0.9474	0.3304	1.023	0.977	1.072
Calgary	Female	HTN	2	CO	1	-0.0076	0.0234	0.1054	0.7455	0.992	0.948	1.039
Calgary	Female	HTN	3	CO	1	-0.0080	0.0235	0.1169	0.7324	0.992	0.947	1.039

Calgary	Female	HTN	0	NO	1	0.0089	0.0245	0.1334	0.7149	1.009	0.962	1.059
Calgary	Female	HTN	1	NO	1	0.0225	0.0255	0.7754	0.3786	1.023	0.973	1.075
Calgary	Female	HTN	2	NO	1	-0.0186	0.0255	0.5318	0.4658	0.982	0.934	1.032
Calgary	Female	HTN	3	NO	1	-0.0228	0.0258	0.7806	0.3770	0.977	0.929	1.028
Calgary	Female	HTN	0	NO2	1	0.0210	0.0452	0.2166	0.6416	1.021	0.935	1.116
Calgary	Female	HTN	1	NO2	1	0.0750	0.0455	2.7186	0.0992	1.078	0.986	1.178
Calgary	Female	HTN	2	NO2	1	0.0002	0.0457	0.0000	0.9959	1.000	0.915	1.094
Calgary	Female	HTN	3	NO2	1	-0.0435	0.0455	0.9155	0.3387	0.957	0.876	1.047
Calgary	Female	HTN	0	O3	1	0.0095	0.0448	0.0446	0.8327	1.010	0.925	1.102
Calgary	Female	HTN	1	O3	1	-0.0420	0.0448	0.8801	0.3482	0.959	0.878	1.047
Calgary	Female	HTN	2	O3	1	-0.0004	0.0451	0.0001	0.9933	1.000	0.915	1.092
Calgary	Female	HTN	3	O3	1	0.0337	0.0443	0.5780	0.4471	1.034	0.948	1.128
Calgary	Female	HTN	0	PM25	1	0.0039	0.0240	0.0267	0.8702	1.004	0.958	1.052
Calgary	Female	HTN	1	PM25	1	0.0049	0.0253	0.0371	0.8473	1.005	0.956	1.056
Calgary	Female	HTN	2	PM25	1	0.0140	0.0261	0.2889	0.5909	1.014	0.964	1.067
Calgary	Female	HTN	3	PM25	1	0.0235	0.0267	0.7762	0.3783	1.024	0.972	1.079
Calgary	Female	Diabetes	0	CO	1	-0.0130	0.0341	0.1441	0.7042	0.987	0.923	1.055
Calgary	Female	Diabetes	1	CO	1	0.0260	0.0348	0.5588	0.4548	1.026	0.959	1.099
Calgary	Female	Diabetes	2	CO	1	0.0373	0.0346	1.1662	0.2802	1.038	0.970	1.111
Calgary	Female	Diabetes	3	CO	1	0.0181	0.0340	0.2848	0.5936	1.018	0.953	1.088
Calgary	Female	Diabetes	0	NO	1	-0.0188	0.0373	0.2546	0.6138	0.981	0.912	1.056
Calgary	Female	Diabetes	1	NO	1	0.0391	0.0386	1.0261	0.3111	1.040	0.964	1.122
Calgary	Female	Diabetes	2	NO	1	0.0295	0.0379	0.6057	0.4364	1.030	0.956	1.109
Calgary	Female	Diabetes	3	NO	1	-0.0050	0.0379	0.0177	0.8942	0.995	0.924	1.072
Calgary	Female	Diabetes	0	NO2	1	-0.0147	0.0680	0.0467	0.8288	0.985	0.863	1.126
Calgary	Female	Diabetes	1	NO2	1	0.0758	0.0686	1.2208	0.2692	1.079	0.943	1.234
Calgary	Female	Diabetes	2	NO2	1	0.0149	0.0691	0.0462	0.8298	1.015	0.886	1.162
Calgary	Female	Diabetes	3	NO2	1	-0.0069	0.0678	0.0103	0.9191	0.993	0.870	1.134
Calgary	Female	Diabetes	0	O3	1	0.0207	0.0661	0.0980	0.7542	1.021	0.897	1.162
Calgary	Female	Diabetes	1	O3	1	-0.0150	0.0662	0.0512	0.8209	0.985	0.865	1.122
Calgary	Female	Diabetes	2	O3	1	0.0009	0.0672	0.0002	0.9893	1.001	0.877	1.142
Calgary	Female	Diabetes	3	O3	1	0.0160	0.0656	0.0598	0.8068	1.016	0.894	1.155
Calgary	Female	Diabetes	0	PM25	1	0.0063	0.0410	0.0239	0.8771	1.006	0.929	1.091
Calgary	Female	Diabetes	1	PM25	1	-0.0087	0.0396	0.0484	0.8260	0.991	0.917	1.071
Calgary	Female	Diabetes	2	PM25	1	-0.0054	0.0363	0.0220	0.8820	0.995	0.926	1.068
Calgary	Female	Diabetes	3	PM25	1	-0.0215	0.0388	0.3062	0.5800	0.979	0.907	1.056
Calgary	Female	Dysrhythmia	0	CO	1	-0.0122	0.0396	0.0947	0.7583	0.988	0.914	1.068
Calgary	Female	Dysrhythmia	1	CO	1	0.0595	0.0390	2.3260	0.1272	1.061	0.983	1.146
Calgary	Female	Dysrhythmia	2	CO	1	0.0306	0.0399	0.5852	0.4443	1.031	0.953	1.115
Calgary	Female	Dysrhythmia	3	CO	1	0.0335	0.0392	0.7314	0.3924	1.034	0.958	1.117
Calgary	Female	Dysrhythmia	0	NO	1	-0.0007	0.0425	0.0003	0.9871	0.999	0.919	1.086
Calgary	Female	Dysrhythmia	1	NO	1	0.0634	0.0417	2.3103	0.1285	1.065	0.982	1.156
Calgary	Female	Dysrhythmia	2	NO	1	0.0368	0.0431	0.7293	0.3931	1.038	0.953	1.129
Calgary	Female	Dysrhythmia	3	NO	1	0.0603	0.0428	1.9906	0.1583	1.062	0.977	1.155

Calgary	Female	Dysrhythmia	0	NO2	1	0.0472	0.0802	0.3461	0.5563	1.048	0.896	1.227
Calgary	Female	Dysrhythmia	1	NO2	1	0.0958	0.0804	1.4195	0.2335	1.101	0.940	1.288
Calgary	Female	Dysrhythmia	2	NO2	1	0.0412	0.0812	0.2577	0.6117	1.042	0.889	1.222
Calgary	Female	Dysrhythmia	3	NO2	1	0.0496	0.0801	0.3835	0.5357	1.051	0.898	1.230
Calgary	Female	Dysrhythmia	0	O3	1	0.0062	0.0764	0.0065	0.9358	1.006	0.866	1.169
Calgary	Female	Dysrhythmia	1	O3	1	-0.0304	0.0775	0.1537	0.6950	0.970	0.833	1.129
Calgary	Female	Dysrhythmia	2	O3	1	-0.0509	0.0772	0.4356	0.5092	0.950	0.817	1.106
Calgary	Female	Dysrhythmia	3	O3	1	-0.0215	0.0760	0.0801	0.7771	0.979	0.843	1.136
Calgary	Female	Dysrhythmia	0	PM25	1	0.0539	0.0512	1.1098	0.2921	1.055	0.955	1.167
Calgary	Female	Dysrhythmia	1	PM25	1	0.0256	0.0522	0.2398	0.6243	1.026	0.926	1.136
Calgary	Female	Dysrhythmia	2	PM25	1	0.0272	0.0445	0.3745	0.5405	1.028	0.942	1.121
Calgary	Female	Dysrhythmia	3	PM25	1	0.0071	0.0452	0.0244	0.8759	1.007	0.922	1.100
Calgary	Agecat1	Whole	0	CO	1	-0.0082	0.0144	0.3237	0.5694	0.992	0.964	1.020
Calgary	Agecat1	Whole	1	CO	1	-0.0088	0.0146	0.3575	0.5499	0.991	0.963	1.020
Calgary	Agecat1	Whole	2	CO	1	0.0105	0.0147	0.5166	0.4723	1.011	0.982	1.040
Calgary	Agecat1	Whole	3	CO	1	0.0152	0.0145	1.1090	0.2923	1.015	0.987	1.045
Calgary	Agecat1	Whole	0	NO	1	-0.0130	0.0158	0.6746	0.4114	0.987	0.957	1.018
Calgary	Agecat1	Whole	1	NO	1	-0.0104	0.0159	0.4284	0.5128	0.990	0.959	1.021
Calgary	Agecat1	Whole	2	NO	1	0.0021	0.0162	0.0169	0.8967	1.002	0.971	1.034
Calgary	Agecat1	Whole	3	NO	1	0.0108	0.0157	0.4694	0.4932	1.011	0.980	1.043
Calgary	Agecat1	Whole	0	NO2	1	0.0191	0.0290	0.4331	0.5105	1.019	0.963	1.079
Calgary	Agecat1	Whole	1	NO2	1	0.0099	0.0292	0.1139	0.7357	1.010	0.954	1.069
Calgary	Agecat1	Whole	2	NO2	1	0.0060	0.0293	0.0418	0.8381	1.006	0.950	1.065
Calgary	Agecat1	Whole	3	NO2	1	0.0148	0.0292	0.2547	0.6138	1.015	0.958	1.075
Calgary	Agecat1	Whole	0	O3	1	-0.0072	0.0290	0.0612	0.8046	0.993	0.938	1.051
Calgary	Agecat1	Whole	1	O3	1	-0.0175	0.0291	0.3603	0.5483	0.983	0.928	1.040
Calgary	Agecat1	Whole	2	O3	1	-0.0289	0.0290	0.9955	0.3184	0.972	0.918	1.028
Calgary	Agecat1	Whole	3	O3	1	-0.0109	0.0290	0.1422	0.7061	0.989	0.935	1.047
Calgary	Agecat1	Whole	0	PM25	1	-0.0182	0.0178	1.0417	0.3074	0.982	0.948	1.017
Calgary	Agecat1	Whole	1	PM25	1	-0.0190	0.0178	1.1314	0.2875	0.981	0.947	1.016
Calgary	Agecat1	Whole	2	PM25	1	-0.0141	0.0176	0.6424	0.4228	0.986	0.953	1.021
Calgary	Agecat1	Whole	3	PM25	1	-0.0223	0.0176	1.6132	0.2040	0.978	0.945	1.012
Calgary	Agecat1	STEMI	0	CO	1	-0.0042	0.0253	0.0275	0.8684	0.996	0.948	1.046
Calgary	Agecat1	STEMI	1	CO	1	-0.0134	0.0255	0.2763	0.5992	0.987	0.939	1.037
Calgary	Agecat1	STEMI	2	CO	1	-0.0092	0.0260	0.1254	0.7233	0.991	0.942	1.043
Calgary	Agecat1	STEMI	3	CO	1	0.0286	0.0255	1.2572	0.2622	1.029	0.979	1.082
Calgary	Agecat1	STEMI	0	NO	1	-0.0139	0.0258	0.2885	0.5912	0.986	0.938	1.037
Calgary	Agecat1	STEMI	1	NO	1	-0.0254	0.0259	0.9648	0.3260	0.975	0.927	1.026
Calgary	Agecat1	STEMI	2	NO	1	-0.0331	0.0272	1.4810	0.2236	0.967	0.917	1.020
Calgary	Agecat1	STEMI	3	NO	1	0.0202	0.0255	0.6273	0.4284	1.020	0.971	1.073
Calgary	Agecat1	STEMI	0	NO2	1	0.0203	0.0455	0.2003	0.6545	1.021	0.934	1.116
Calgary	Agecat1	STEMI	1	NO2	1	0.0187	0.0458	0.1663	0.6834	1.019	0.931	1.114
Calgary	Agecat1	STEMI	2	NO2	1	-0.0655	0.0462	2.0078	0.1565	0.937	0.856	1.025
Calgary	Agecat1	STEMI	3	NO2	1	0.0218	0.0459	0.2252	0.6351	1.022	0.934	1.118

Calgary	Agecat1	STEMI	0	O3	1	0.0152	0.0459	0.1089	0.7414	1.015	0.928	1.111
Calgary	Agecat1	STEMI	1	O3	1	-0.0389	0.0463	0.7061	0.4007	0.962	0.878	1.053
Calgary	Agecat1	STEMI	2	O3	1	0.0134	0.0459	0.0857	0.7697	1.014	0.926	1.109
Calgary	Agecat1	STEMI	3	O3	1	0.0009	0.0458	0.0003	0.9852	1.001	0.915	1.095
Calgary	Agecat1	STEMI	0	PM25	1	-0.0074	0.0271	0.0749	0.7843	0.993	0.941	1.047
Calgary	Agecat1	STEMI	1	PM25	1	-0.0223	0.0283	0.6215	0.4305	0.978	0.925	1.034
Calgary	Agecat1	STEMI	2	PM25	1	-0.0080	0.0269	0.0890	0.7654	0.992	0.941	1.046
Calgary	Agecat1	STEMI	3	PM25	1	-0.0092	0.0258	0.1257	0.7229	0.991	0.942	1.042
Calgary	Agecat1	NSTEMI	0	CO	1	-0.0183	0.0292	0.3915	0.5315	0.982	0.927	1.040
Calgary	Agecat1	NSTEMI	1	CO	1	-0.0193	0.0294	0.4304	0.5118	0.981	0.926	1.039
Calgary	Agecat1	NSTEMI	2	CO	1	0.0156	0.0297	0.2760	0.5993	1.016	0.958	1.077
Calgary	Agecat1	NSTEMI	3	CO	1	0.0138	0.0291	0.2258	0.6346	1.014	0.958	1.074
Calgary	Agecat1	NSTEMI	0	NO	1	-0.0180	0.0298	0.3651	0.5457	0.982	0.926	1.041
Calgary	Agecat1	NSTEMI	1	NO	1	-0.0093	0.0295	0.0983	0.7539	0.991	0.935	1.050
Calgary	Agecat1	NSTEMI	2	NO	1	0.0150	0.0300	0.2493	0.6176	1.015	0.957	1.077
Calgary	Agecat1	NSTEMI	3	NO	1	0.0047	0.0294	0.0258	0.8724	1.005	0.949	1.064
Calgary	Agecat1	NSTEMI	0	NO2	1	0.0123	0.0504	0.0598	0.8068	1.012	0.917	1.118
Calgary	Agecat1	NSTEMI	1	NO2	1	0.0156	0.0510	0.0938	0.7594	1.016	0.919	1.123
Calgary	Agecat1	NSTEMI	2	NO2	1	0.0775	0.0510	2.3118	0.1284	1.081	0.978	1.194
Calgary	Agecat1	NSTEMI	3	NO2	1	0.0298	0.0502	0.3516	0.5532	1.030	0.934	1.137
Calgary	Agecat1	NSTEMI	0	O3	1	-0.0214	0.0501	0.1831	0.6688	0.979	0.887	1.080
Calgary	Agecat1	NSTEMI	1	O3	1	-0.0167	0.0506	0.1086	0.7417	0.983	0.891	1.086
Calgary	Agecat1	NSTEMI	2	O3	1	-0.0933	0.0503	3.4422	0.0635	0.911	0.825	1.005
Calgary	Agecat1	NSTEMI	3	O3	1	-0.0072	0.0499	0.0208	0.8853	0.993	0.900	1.095
Calgary	Agecat1	NSTEMI	0	PM25	1	-0.0344	0.0299	1.3240	0.2499	0.966	0.911	1.024
Calgary	Agecat1	NSTEMI	1	PM25	1	-0.0386	0.0292	1.7387	0.1873	0.962	0.909	1.019
Calgary	Agecat1	NSTEMI	2	PM25	1	-0.0299	0.0293	1.0454	0.3066	0.971	0.916	1.028
Calgary	Agecat1	NSTEMI	3	PM25	1	-0.0359	0.0296	1.4758	0.2244	0.965	0.910	1.022
Calgary	Agecat1	HTN	0	CO	1	0.0049	0.0224	0.0483	0.8260	1.005	0.962	1.050
Calgary	Agecat1	HTN	1	CO	1	-0.0041	0.0227	0.0320	0.8580	0.996	0.953	1.041
Calgary	Agecat1	HTN	2	CO	1	0.0140	0.0224	0.3901	0.5322	1.014	0.970	1.060
Calgary	Agecat1	HTN	3	CO	1	-0.0055	0.0230	0.0565	0.8122	0.995	0.951	1.040
Calgary	Agecat1	HTN	0	NO	1	0.0136	0.0242	0.3153	0.5745	1.014	0.967	1.063
Calgary	Agecat1	HTN	1	NO	1	-0.0031	0.0246	0.0156	0.9006	0.997	0.950	1.046
Calgary	Agecat1	HTN	2	NO	1	0.0131	0.0242	0.2940	0.5877	1.013	0.966	1.062
Calgary	Agecat1	HTN	3	NO	1	-0.0164	0.0252	0.4248	0.5145	0.984	0.936	1.034
Calgary	Agecat1	HTN	0	NO2	1	0.0838	0.0446	3.5186	0.0607	1.087	0.996	1.187
Calgary	Agecat1	HTN	1	NO2	1	0.0249	0.0448	0.3070	0.5795	1.025	0.939	1.119
Calgary	Agecat1	HTN	2	NO2	1	0.0159	0.0446	0.1278	0.7208	1.016	0.931	1.109
Calgary	Agecat1	HTN	3	NO2	1	-0.0098	0.0454	0.0469	0.8286	0.990	0.906	1.082
Calgary	Agecat1	HTN	0	O3	1	-0.0739	0.0452	2.6730	0.1021	0.929	0.850	1.015
Calgary	Agecat1	HTN	1	O3	1	-0.0340	0.0448	0.5739	0.4487	0.967	0.885	1.055
Calgary	Agecat1	HTN	2	O3	1	-0.0518	0.0445	1.3570	0.2441	0.949	0.870	1.036
Calgary	Agecat1	HTN	3	O3	1	-0.0059	0.0447	0.0172	0.8957	0.994	0.911	1.085

Calgary	Agecat1	HTN	0	PM25	1	0.0015	0.0267	0.0031	0.9558	1.001	0.950	1.055
Calgary	Agecat1	HTN	1	PM25	1	-0.0091	0.0282	0.1049	0.7460	0.991	0.938	1.047
Calgary	Agecat1	HTN	2	PM25	1	-0.0095	0.0286	0.1108	0.7393	0.991	0.936	1.048
Calgary	Agecat1	HTN	3	PM25	1	-0.0398	0.0279	2.0380	0.1534	0.961	0.910	1.015
Calgary	Agecat1	Diabetes	0	CO	1	-0.0285	0.0320	0.7926	0.3733	0.972	0.913	1.035
Calgary	Agecat1	Diabetes	1	CO	1	-0.0048	0.0324	0.0215	0.8834	0.995	0.934	1.060
Calgary	Agecat1	Diabetes	2	CO	1	0.0449	0.0314	2.0438	0.1528	1.046	0.983	1.112
Calgary	Agecat1	Diabetes	3	CO	1	0.0288	0.0318	0.8200	0.3652	1.029	0.967	1.096
Calgary	Agecat1	Diabetes	0	NO	1	-0.0353	0.0359	0.9702	0.3246	0.965	0.900	1.036
Calgary	Agecat1	Diabetes	1	NO	1	0.0117	0.0355	0.1085	0.7418	1.012	0.944	1.085
Calgary	Agecat1	Diabetes	2	NO	1	0.0391	0.0340	1.3259	0.2495	1.040	0.973	1.111
Calgary	Agecat1	Diabetes	3	NO	1	0.0313	0.0336	0.8689	0.3513	1.032	0.966	1.102
Calgary	Agecat1	Diabetes	0	NO2	1	-0.0286	0.0651	0.1937	0.6598	0.972	0.855	1.104
Calgary	Agecat1	Diabetes	1	NO2	1	0.0525	0.0652	0.6501	0.4201	1.054	0.928	1.198
Calgary	Agecat1	Diabetes	2	NO2	1	0.0710	0.0638	1.2412	0.2652	1.074	0.947	1.217
Calgary	Agecat1	Diabetes	3	NO2	1	0.0607	0.0648	0.8776	0.3489	1.063	0.936	1.207
Calgary	Agecat1	Diabetes	0	O3	1	0.0235	0.0655	0.1284	0.7201	1.024	0.900	1.164
Calgary	Agecat1	Diabetes	1	O3	1	-0.0288	0.0643	0.2002	0.6546	0.972	0.857	1.102
Calgary	Agecat1	Diabetes	2	O3	1	-0.0841	0.0634	1.7574	0.1850	0.919	0.812	1.041
Calgary	Agecat1	Diabetes	3	O3	1	-0.0392	0.0644	0.3702	0.5429	0.962	0.848	1.091
Calgary	Agecat1	Diabetes	0	PM25	1	-0.0136	0.0405	0.1124	0.7375	0.987	0.911	1.068
Calgary	Agecat1	Diabetes	1	PM25	1	-0.0101	0.0403	0.0624	0.8027	0.990	0.915	1.071
Calgary	Agecat1	Diabetes	2	PM25	1	0.0030	0.0358	0.0071	0.9327	1.003	0.935	1.076
Calgary	Agecat1	Diabetes	3	PM25	1	-0.0166	0.0375	0.1947	0.6590	0.984	0.914	1.059
Calgary	Agecat1	Dysrhythmia	0	CO	1	-0.0412	0.0439	0.8806	0.3481	0.960	0.880	1.046
Calgary	Agecat1	Dysrhythmia	1	CO	1	-0.0575	0.0440	1.7048	0.1917	0.944	0.866	1.029
Calgary	Agecat1	Dysrhythmia	2	CO	1	0.0050	0.0434	0.0131	0.9090	1.005	0.923	1.094
Calgary	Agecat1	Dysrhythmia	3	CO	1	-0.0632	0.0434	2.1161	0.1458	0.939	0.862	1.022
Calgary	Agecat1	Dysrhythmia	0	NO	1	-0.0544	0.0482	1.2759	0.2587	0.947	0.862	1.041
Calgary	Agecat1	Dysrhythmia	1	NO	1	-0.0784	0.0483	2.6331	0.1047	0.925	0.841	1.016
Calgary	Agecat1	Dysrhythmia	2	NO	1	-0.0167	0.0467	0.1275	0.7211	0.983	0.897	1.078
Calgary	Agecat1	Dysrhythmia	3	NO	1	-0.0833	0.0469	3.1508	0.0759	0.920	0.839	1.009
Calgary	Agecat1	Dysrhythmia	0	NO2	1	-0.0392	0.0896	0.1915	0.6616	0.962	0.807	1.146
Calgary	Agecat1	Dysrhythmia	1	NO2	1	-0.0425	0.0888	0.2288	0.6324	0.958	0.805	1.141
Calgary	Agecat1	Dysrhythmia	2	NO2	1	0.0029	0.0896	0.0010	0.9744	1.003	0.841	1.195
Calgary	Agecat1	Dysrhythmia	3	NO2	1	-0.1579	0.0882	3.2081	0.0733	0.854	0.718	1.015
Calgary	Agecat1	Dysrhythmia	0	O3	1	-0.0577	0.0883	0.4261	0.5139	0.944	0.794	1.122
Calgary	Agecat1	Dysrhythmia	1	O3	1	0.0100	0.0881	0.0129	0.9094	1.010	0.850	1.200
Calgary	Agecat1	Dysrhythmia	2	O3	1	-0.0268	0.0879	0.0928	0.7607	0.974	0.819	1.157
Calgary	Agecat1	Dysrhythmia	3	O3	1	0.0936	0.0859	1.1884	0.2756	1.098	0.928	1.299
Calgary	Agecat1	Dysrhythmia	0	PM25	1	-0.0814	0.0589	1.9095	0.1670	0.922	0.821	1.035
Calgary	Agecat1	Dysrhythmia	1	PM25	1	-0.1285	0.0589	4.7550	0.0292	0.879	0.784	0.987
Calgary	Agecat1	Dysrhythmia	2	PM25	1	-0.0869	0.0554	2.4625	0.1166	0.917	0.822	1.022
Calgary	Agecat1	Dysrhythmia	3	PM25	1	-0.0923	0.0529	3.0464	0.0809	0.912	0.822	1.011

Calgary	Agecat2	Whole	0	CO	1	-0.0129	0.0131	0.9679	0.3252	0.987	0.962	1.013
Calgary	Agecat2	Whole	1	CO	1	0.0264	0.0130	4.1021	0.0428	1.027	1.001	1.053
Calgary	Agecat2	Whole	2	CO	1	0.0104	0.0131	0.6243	0.4295	1.010	0.985	1.037
Calgary	Agecat2	Whole	3	CO	1	0.0077	0.0130	0.3561	0.5507	1.008	0.982	1.034
Calgary	Agecat2	Whole	0	NO	1	-0.0116	0.0141	0.6846	0.4080	0.988	0.962	1.016
Calgary	Agecat2	Whole	1	NO	1	0.0324	0.0139	5.4740	0.0193	1.033	1.005	1.061
Calgary	Agecat2	Whole	2	NO	1	0.0168	0.0141	1.4240	0.2327	1.017	0.989	1.045
Calgary	Agecat2	Whole	3	NO	1	0.0145	0.0138	1.1006	0.2941	1.015	0.987	1.043
Calgary	Agecat2	Whole	0	NO2	1	-0.0021	0.0261	0.0065	0.9358	0.998	0.948	1.050
Calgary	Agecat2	Whole	1	NO2	1	0.0734	0.0260	7.9844	0.0047	1.076	1.023	1.132
Calgary	Agecat2	Whole	2	NO2	1	0.0422	0.0261	2.6097	0.1062	1.043	0.991	1.098
Calgary	Agecat2	Whole	3	NO2	1	0.0214	0.0260	0.6766	0.4108	1.022	0.971	1.075
Calgary	Agecat2	Whole	0	O3	1	0.0134	0.0256	0.2730	0.6014	1.013	0.964	1.066
Calgary	Agecat2	Whole	1	O3	1	-0.0424	0.0256	2.7459	0.0975	0.959	0.912	1.008
Calgary	Agecat2	Whole	2	O3	1	-0.0106	0.0256	0.1714	0.6788	0.989	0.941	1.040
Calgary	Agecat2	Whole	3	O3	1	-0.0159	0.0254	0.3927	0.5309	0.984	0.936	1.034
Calgary	Agecat2	Whole	0	PM25	1	-0.0072	0.0151	0.2251	0.6352	0.993	0.964	1.023
Calgary	Agecat2	Whole	1	PM25	1	0.0138	0.0146	0.8984	0.3432	1.014	0.985	1.043
Calgary	Agecat2	Whole	2	PM25	1	0.0009	0.0148	0.0039	0.9499	1.001	0.972	1.030
Calgary	Agecat2	Whole	3	PM25	1	-0.0013	0.0150	0.0073	0.9317	0.999	0.970	1.028
Calgary	Agecat2	STEMI	0	CO	1	0.0185	0.0260	0.5065	0.4767	1.019	0.968	1.072
Calgary	Agecat2	STEMI	1	CO	1	0.0203	0.0272	0.5555	0.4561	1.020	0.968	1.076
Calgary	Agecat2	STEMI	2	CO	1	0.0186	0.0267	0.4865	0.4855	1.019	0.967	1.073
Calgary	Agecat2	STEMI	3	CO	1	0.0088	0.0270	0.1063	0.7444	1.009	0.957	1.064
Calgary	Agecat2	STEMI	0	NO	1	0.0137	0.0261	0.2753	0.5998	1.014	0.963	1.067
Calgary	Agecat2	STEMI	1	NO	1	0.0238	0.0275	0.7479	0.3872	1.024	0.970	1.081
Calgary	Agecat2	STEMI	2	NO	1	0.0287	0.0268	1.1474	0.2841	1.029	0.976	1.085
Calgary	Agecat2	STEMI	3	NO	1	0.0234	0.0274	0.7257	0.3943	1.024	0.970	1.080
Calgary	Agecat2	STEMI	0	NO2	1	0.0280	0.0476	0.3456	0.5566	1.028	0.937	1.129
Calgary	Agecat2	STEMI	1	NO2	1	0.0794	0.0485	2.6815	0.1015	1.083	0.984	1.191
Calgary	Agecat2	STEMI	2	NO2	1	0.0759	0.0480	2.5071	0.1133	1.079	0.982	1.185
Calgary	Agecat2	STEMI	3	NO2	1	0.0279	0.0484	0.3335	0.5636	1.028	0.935	1.131
Calgary	Agecat2	STEMI	0	O3	1	-0.0237	0.0478	0.2460	0.6199	0.977	0.889	1.073
Calgary	Agecat2	STEMI	1	O3	1	-0.0788	0.0478	2.7209	0.0990	0.924	0.842	1.015
Calgary	Agecat2	STEMI	2	O3	1	-0.0752	0.0476	2.4956	0.1142	0.928	0.845	1.018
Calgary	Agecat2	STEMI	3	O3	1	-0.0331	0.0477	0.4822	0.4874	0.967	0.881	1.062
Calgary	Agecat2	STEMI	0	PM25	1	0.0221	0.0235	0.8866	0.3464	1.022	0.976	1.071
Calgary	Agecat2	STEMI	1	PM25	1	0.0095	0.0248	0.1482	0.7003	1.010	0.962	1.060
Calgary	Agecat2	STEMI	2	PM25	1	-0.0282	0.0274	1.0594	0.3033	0.972	0.921	1.026
Calgary	Agecat2	STEMI	3	PM25	1	-0.0196	0.0256	0.5814	0.4458	0.981	0.933	1.031
Calgary	Agecat2	NSTEMI	0	CO	1	-0.0294	0.0229	1.6532	0.1985	0.971	0.928	1.016
Calgary	Agecat2	NSTEMI	1	CO	1	0.0361	0.0220	2.6827	0.1014	1.037	0.993	1.082
Calgary	Agecat2	NSTEMI	2	CO	1	0.0099	0.0225	0.1945	0.6592	1.010	0.966	1.056
Calgary	Agecat2	NSTEMI	3	CO	1	-0.0036	0.0222	0.0261	0.8715	0.996	0.954	1.041

Calgary	Agecat2	NSTEMI	0	NO	1	-0.0262	0.0228	1.3211	0.2504	0.974	0.932	1.019
Calgary	Agecat2	NSTEMI	1	NO	1	0.0394	0.0215	3.3554	0.0670	1.040	0.997	1.085
Calgary	Agecat2	NSTEMI	2	NO	1	0.0147	0.0225	0.4250	0.5144	1.015	0.971	1.061
Calgary	Agecat2	NSTEMI	3	NO	1	-0.0015	0.0218	0.0047	0.9454	0.999	0.957	1.042
Calgary	Agecat2	NSTEMI	0	NO2	1	-0.0187	0.0398	0.2212	0.6381	0.981	0.908	1.061
Calgary	Agecat2	NSTEMI	1	NO2	1	0.0726	0.0389	3.4933	0.0616	1.075	0.996	1.160
Calgary	Agecat2	NSTEMI	2	NO2	1	0.0249	0.0395	0.3991	0.5276	1.025	0.949	1.108
Calgary	Agecat2	NSTEMI	3	NO2	1	-0.0200	0.0391	0.2606	0.6097	0.980	0.908	1.058
Calgary	Agecat2	NSTEMI	0	O3	1	0.0358	0.0391	0.8377	0.3600	1.036	0.960	1.119
Calgary	Agecat2	NSTEMI	1	O3	1	-0.0200	0.0389	0.2637	0.6076	0.980	0.908	1.058
Calgary	Agecat2	NSTEMI	2	O3	1	0.0500	0.0389	1.6485	0.1992	1.051	0.974	1.135
Calgary	Agecat2	NSTEMI	3	O3	1	0.0209	0.0387	0.2912	0.5895	1.021	0.947	1.102
Calgary	Agecat2	NSTEMI	0	PM25	1	-0.0254	0.0238	1.1430	0.2850	0.975	0.931	1.021
Calgary	Agecat2	NSTEMI	1	PM25	1	-0.0045	0.0220	0.0422	0.8373	0.996	0.954	1.039
Calgary	Agecat2	NSTEMI	2	PM25	1	0.0073	0.0205	0.1251	0.7235	1.007	0.968	1.049
Calgary	Agecat2	NSTEMI	3	PM25	1	-0.0007	0.0222	0.0010	0.9754	0.999	0.957	1.044
Calgary	Agecat2	HTN	0	CO	1	-0.0172	0.0177	0.9474	0.3304	0.983	0.949	1.018
Calgary	Agecat2	HTN	1	CO	1	0.0152	0.0180	0.7110	0.3991	1.015	0.980	1.052
Calgary	Agecat2	HTN	2	CO	1	0.0006	0.0179	0.0010	0.9749	1.001	0.966	1.036
Calgary	Agecat2	HTN	3	CO	1	0.0083	0.0177	0.2208	0.6384	1.008	0.974	1.044
Calgary	Agecat2	HTN	0	NO	1	-0.0105	0.0188	0.3117	0.5766	0.990	0.954	1.027
Calgary	Agecat2	HTN	1	NO	1	0.0195	0.0193	1.0247	0.3114	1.020	0.982	1.059
Calgary	Agecat2	HTN	2	NO	1	0.0009	0.0193	0.0023	0.9617	1.001	0.964	1.039
Calgary	Agecat2	HTN	3	NO	1	0.0103	0.0188	0.2979	0.5852	1.010	0.974	1.048
Calgary	Agecat2	HTN	0	NO2	1	-0.0149	0.0347	0.1860	0.6663	0.985	0.920	1.054
Calgary	Agecat2	HTN	1	NO2	1	0.0628	0.0348	3.2608	0.0710	1.065	0.995	1.140
Calgary	Agecat2	HTN	2	NO2	1	0.0383	0.0349	1.2022	0.2729	1.039	0.970	1.113
Calgary	Agecat2	HTN	3	NO2	1	0.0112	0.0346	0.1045	0.7465	1.011	0.945	1.082
Calgary	Agecat2	HTN	0	O3	1	0.0319	0.0341	0.8749	0.3496	1.032	0.966	1.104
Calgary	Agecat2	HTN	1	O3	1	-0.0183	0.0343	0.2849	0.5935	0.982	0.918	1.050
Calgary	Agecat2	HTN	2	O3	1	0.0229	0.0343	0.4471	0.5037	1.023	0.957	1.094
Calgary	Agecat2	HTN	3	O3	1	0.0245	0.0340	0.5194	0.4711	1.025	0.959	1.095
Calgary	Agecat2	HTN	0	PM25	1	-0.0002	0.0193	0.0001	0.9928	1.000	0.963	1.038
Calgary	Agecat2	HTN	1	PM25	1	0.0128	0.0190	0.4532	0.5008	1.013	0.976	1.051
Calgary	Agecat2	HTN	2	PM25	1	0.0052	0.0191	0.0727	0.7874	1.005	0.968	1.043
Calgary	Agecat2	HTN	3	PM25	1	0.0259	0.0193	1.8045	0.1792	1.026	0.988	1.066
Calgary	Agecat2	Diabetes	0	CO	1	-0.0073	0.0259	0.0785	0.7794	0.993	0.944	1.044
Calgary	Agecat2	Diabetes	1	CO	1	0.0121	0.0261	0.2137	0.6439	1.012	0.962	1.065
Calgary	Agecat2	Diabetes	2	CO	1	0.0242	0.0259	0.8710	0.3507	1.024	0.974	1.078
Calgary	Agecat2	Diabetes	3	CO	1	0.0038	0.0261	0.0212	0.8842	1.004	0.954	1.056
Calgary	Agecat2	Diabetes	0	NO	1	0.0027	0.0277	0.0094	0.9226	1.003	0.950	1.059
Calgary	Agecat2	Diabetes	1	NO	1	0.0275	0.0279	0.9671	0.3254	1.028	0.973	1.086
Calgary	Agecat2	Diabetes	2	NO	1	0.0376	0.0275	1.8647	0.1721	1.038	0.984	1.096
Calgary	Agecat2	Diabetes	3	NO	1	-0.0012	0.0283	0.0017	0.9668	0.999	0.945	1.056

Calgary	Agecat2	Diabetes	0	NO2	1	0.0158	0.0510	0.0959	0.7568	1.016	0.919	1.123
Calgary	Agecat2	Diabetes	1	NO2	1	0.0630	0.0511	1.5174	0.2180	1.065	0.963	1.177
Calgary	Agecat2	Diabetes	2	NO2	1	0.0659	0.0508	1.6853	0.1942	1.068	0.967	1.180
Calgary	Agecat2	Diabetes	3	NO2	1	-0.0076	0.0509	0.0220	0.8820	0.992	0.898	1.097
Calgary	Agecat2	Diabetes	0	O3	1	-0.0151	0.0504	0.0892	0.7652	0.985	0.892	1.087
Calgary	Agecat2	Diabetes	1	O3	1	-0.0208	0.0504	0.1696	0.6804	0.979	0.887	1.081
Calgary	Agecat2	Diabetes	2	O3	1	-0.0192	0.0508	0.1430	0.7053	0.981	0.888	1.084
Calgary	Agecat2	Diabetes	3	O3	1	0.0297	0.0501	0.3499	0.5542	1.030	0.934	1.136
Calgary	Agecat2	Diabetes	0	PM25	1	0.0051	0.0305	0.0278	0.8676	1.005	0.947	1.067
Calgary	Agecat2	Diabetes	1	PM25	1	-0.0013	0.0288	0.0021	0.9639	0.999	0.944	1.057
Calgary	Agecat2	Diabetes	2	PM25	1	0.0118	0.0267	0.1950	0.6588	1.012	0.960	1.066
Calgary	Agecat2	Diabetes	3	PM25	1	-0.0252	0.0284	0.7876	0.3748	0.975	0.922	1.031
Calgary	Agecat2	Dysrhythmia	0	CO	1	0.0075	0.0267	0.0791	0.7785	1.008	0.956	1.062
Calgary	Agecat2	Dysrhythmia	1	CO	1	0.0436	0.0269	2.6280	0.1050	1.045	0.991	1.101
Calgary	Agecat2	Dysrhythmia	2	CO	1	0.0073	0.0270	0.0725	0.7877	1.007	0.955	1.062
Calgary	Agecat2	Dysrhythmia	3	CO	1	0.0127	0.0268	0.2241	0.6359	1.013	0.961	1.067
Calgary	Agecat2	Dysrhythmia	0	NO	1	0.0278	0.0276	1.0095	0.3150	1.028	0.974	1.085
Calgary	Agecat2	Dysrhythmia	1	NO	1	0.0503	0.0282	3.1753	0.0748	1.052	0.995	1.111
Calgary	Agecat2	Dysrhythmia	2	NO	1	0.0150	0.0285	0.2756	0.5996	1.015	0.960	1.073
Calgary	Agecat2	Dysrhythmia	3	NO	1	0.0324	0.0286	1.2829	0.2574	1.033	0.977	1.092
Calgary	Agecat2	Dysrhythmia	0	NO2	1	0.0281	0.0543	0.2679	0.6047	1.028	0.925	1.144
Calgary	Agecat2	Dysrhythmia	1	NO2	1	0.0884	0.0547	2.6141	0.1059	1.092	0.981	1.216
Calgary	Agecat2	Dysrhythmia	2	NO2	1	0.0405	0.0546	0.5490	0.4587	1.041	0.936	1.159
Calgary	Agecat2	Dysrhythmia	3	NO2	1	0.0614	0.0549	1.2500	0.2635	1.063	0.955	1.184
Calgary	Agecat2	Dysrhythmia	0	O3	1	-0.0234	0.0528	0.1962	0.6578	0.977	0.881	1.083
Calgary	Agecat2	Dysrhythmia	1	O3	1	-0.0658	0.0530	1.5391	0.2148	0.936	0.844	1.039
Calgary	Agecat2	Dysrhythmia	2	O3	1	0.0082	0.0526	0.0241	0.8767	1.008	0.909	1.118
Calgary	Agecat2	Dysrhythmia	3	O3	1	-0.0155	0.0523	0.0884	0.7662	0.985	0.889	1.091
Calgary	Agecat2	Dysrhythmia	0	PM25	1	-0.0037	0.0342	0.0114	0.9151	0.996	0.932	1.065
Calgary	Agecat2	Dysrhythmia	1	PM25	1	-0.0059	0.0341	0.0294	0.8639	0.994	0.930	1.063
Calgary	Agecat2	Dysrhythmia	2	PM25	1	-0.0169	0.0314	0.2907	0.5898	0.983	0.925	1.046
Calgary	Agecat2	Dysrhythmia	3	PM25	1	-0.0032	0.0312	0.0102	0.9195	0.997	0.938	1.060

Effect and Odds Ratio Estimates of Pollutants in Edmonton

City	Cohort	Subgroup	Lag	Effect Variable	DF	Estimate	StdErr	WaldChiSq	ProbChiSq	OddsRatioEst	LowerCL	UpperCL
Edmonton	Main	Whole	0	CO	1	0.0031	0.0107	0.0844	0.7715	1.003	0.982	1.024
Edmonton	Main	Whole	1	CO	1	0.0095	0.0107	0.7821	0.3765	1.010	0.989	1.031
Edmonton	Main	Whole	2	CO	1	0.0003	0.0108	0.0010	0.9754	1.000	0.979	1.022
Edmonton	Main	Whole	3	CO	1	-0.0040	0.0109	0.1372	0.7111	0.996	0.975	1.017
Edmonton	Main	Whole	0	NO	1	-0.0016	0.0103	0.0252	0.8738	0.998	0.978	1.019
Edmonton	Main	Whole	1	NO	1	0.0100	0.0102	0.9667	0.3255	1.010	0.990	1.030
Edmonton	Main	Whole	2	NO	1	-0.0019	0.0104	0.0347	0.8523	0.998	0.978	1.019
Edmonton	Main	Whole	3	NO	1	-0.0086	0.0105	0.6611	0.4162	0.991	0.971	1.012
Edmonton	Main	Whole	0	NO2	1	0.0165	0.0209	0.6177	0.4319	1.017	0.976	1.059
Edmonton	Main	Whole	1	NO2	1	0.0306	0.0209	2.1525	0.1423	1.031	0.990	1.074
Edmonton	Main	Whole	2	NO2	1	0.0101	0.0210	0.2302	0.6313	1.010	0.969	1.053
Edmonton	Main	Whole	3	NO2	1	0.0040	0.0210	0.0356	0.8504	1.004	0.964	1.046
Edmonton	Main	Whole	0	O3	1	0.0015	0.0226	0.0046	0.9459	1.002	0.958	1.047
Edmonton	Main	Whole	1	O3	1	-0.0040	0.0227	0.0309	0.8605	0.996	0.953	1.041
Edmonton	Main	Whole	2	O3	1	0.0110	0.0227	0.2343	0.6283	1.011	0.967	1.057
Edmonton	Main	Whole	3	O3	1	0.0115	0.0227	0.2581	0.6114	1.012	0.968	1.058
Edmonton	Main	Whole	0	PM25	1	0.0041	0.0128	0.1008	0.7508	1.004	0.979	1.030
Edmonton	Main	Whole	1	PM25	1	0.0194	0.0128	2.3026	0.1292	1.020	0.994	1.046
Edmonton	Main	Whole	2	PM25	1	0.0120	0.0128	0.8842	0.3470	1.012	0.987	1.038
Edmonton	Main	Whole	3	PM25	1	0.0128	0.0129	0.9897	0.3198	1.013	0.988	1.039
Edmonton	Main	STEMI	0	CO	1	0.0146	0.0218	0.4453	0.5046	1.015	0.972	1.059
Edmonton	Main	STEMI	1	CO	1	0.0014	0.0214	0.0045	0.9464	1.001	0.960	1.044
Edmonton	Main	STEMI	2	CO	1	0.0184	0.0217	0.7196	0.3963	1.019	0.976	1.063
Edmonton	Main	STEMI	3	CO	1	0.0028	0.0217	0.0167	0.8971	1.003	0.961	1.046
Edmonton	Main	STEMI	0	NO	1	0.0085	0.0195	0.1906	0.6624	1.009	0.971	1.048
Edmonton	Main	STEMI	1	NO	1	0.0069	0.0189	0.1347	0.7136	1.007	0.970	1.045
Edmonton	Main	STEMI	2	NO	1	0.0204	0.0190	1.1567	0.2822	1.021	0.983	1.059
Edmonton	Main	STEMI	3	NO	1	0.0003	0.0200	0.0002	0.9894	1.000	0.962	1.040
Edmonton	Main	STEMI	0	NO2	1	0.0163	0.0378	0.1857	0.6665	1.016	0.944	1.095
Edmonton	Main	STEMI	1	NO2	1	0.0253	0.0375	0.4550	0.5000	1.026	0.953	1.104
Edmonton	Main	STEMI	2	NO2	1	0.0301	0.0376	0.6412	0.4233	1.031	0.957	1.109
Edmonton	Main	STEMI	3	NO2	1	0.0101	0.0374	0.0735	0.7863	1.010	0.939	1.087
Edmonton	Main	STEMI	0	O3	1	-0.0183	0.0403	0.2061	0.6498	0.982	0.907	1.063
Edmonton	Main	STEMI	1	O3	1	-0.0191	0.0403	0.2258	0.6346	0.981	0.907	1.062
Edmonton	Main	STEMI	2	O3	1	-0.0096	0.0402	0.0568	0.8116	0.990	0.915	1.072
Edmonton	Main	STEMI	3	O3	1	-0.0057	0.0402	0.0198	0.8880	0.994	0.919	1.076
Edmonton	Main	STEMI	0	PM25	1	-0.0059	0.0226	0.0686	0.7934	0.994	0.951	1.039
Edmonton	Main	STEMI	1	PM25	1	0.0048	0.0231	0.0429	0.8360	1.005	0.960	1.051
Edmonton	Main	STEMI	2	PM25	1	0.0194	0.0224	0.7485	0.3870	1.020	0.976	1.065
Edmonton	Main	STEMI	3	PM25	1	0.0240	0.0225	1.1425	0.2851	1.024	0.980	1.070

Edmonton	Main	NSTEMI	0	CO	1	0.0027	0.0183	0.0213	0.8840	1.003	0.967	1.039
Edmonton	Main	NSTEMI	1	CO	1	0.0131	0.0186	0.4952	0.4816	1.013	0.977	1.051
Edmonton	Main	NSTEMI	2	CO	1	-0.0043	0.0187	0.0535	0.8170	0.996	0.960	1.033
Edmonton	Main	NSTEMI	3	CO	1	-0.0069	0.0184	0.1411	0.7072	0.993	0.958	1.030
Edmonton	Main	NSTEMI	0	NO	1	-0.0006	0.0167	0.0014	0.9704	0.999	0.967	1.033
Edmonton	Main	NSTEMI	1	NO	1	0.0150	0.0166	0.8111	0.3678	1.015	0.983	1.049
Edmonton	Main	NSTEMI	2	NO	1	-0.0156	0.0172	0.8239	0.3640	0.985	0.952	1.018
Edmonton	Main	NSTEMI	3	NO	1	-0.0158	0.0166	0.9035	0.3418	0.984	0.953	1.017
Edmonton	Main	NSTEMI	0	NO2	1	0.0278	0.0322	0.7421	0.3890	1.028	0.965	1.095
Edmonton	Main	NSTEMI	1	NO2	1	0.0545	0.0322	2.8579	0.0909	1.056	0.991	1.125
Edmonton	Main	NSTEMI	2	NO2	1	0.0232	0.0326	0.5054	0.4771	1.023	0.960	1.091
Edmonton	Main	NSTEMI	3	NO2	1	-0.0027	0.0324	0.0069	0.9336	0.997	0.936	1.063
Edmonton	Main	NSTEMI	0	O3	1	0.0108	0.0335	0.1032	0.7481	1.011	0.947	1.079
Edmonton	Main	NSTEMI	1	O3	1	0.0094	0.0337	0.0784	0.7795	1.009	0.945	1.078
Edmonton	Main	NSTEMI	2	O3	1	0.0252	0.0338	0.5536	0.4568	1.025	0.960	1.096
Edmonton	Main	NSTEMI	3	O3	1	0.0162	0.0339	0.2275	0.6334	1.016	0.951	1.086
Edmonton	Main	NSTEMI	0	PM25	1	0.0228	0.0193	1.3931	0.2379	1.023	0.985	1.063
Edmonton	Main	NSTEMI	1	PM25	1	0.0198	0.0193	1.0517	0.3051	1.020	0.982	1.059
Edmonton	Main	NSTEMI	2	PM25	1	-0.0024	0.0195	0.0151	0.9022	0.998	0.960	1.036
Edmonton	Main	NSTEMI	3	PM25	1	0.0026	0.0196	0.0173	0.8954	1.003	0.965	1.042
Edmonton	Main	HTN	0	CO	1	0.0014	0.0143	0.0101	0.9198	1.001	0.974	1.030
Edmonton	Main	HTN	1	CO	1	0.0072	0.0143	0.2488	0.6179	1.007	0.979	1.036
Edmonton	Main	HTN	2	CO	1	0.0010	0.0145	0.0048	0.9449	1.001	0.973	1.030
Edmonton	Main	HTN	3	CO	1	0.0057	0.0144	0.1556	0.6932	1.006	0.978	1.034
Edmonton	Main	HTN	0	NO	1	-0.0057	0.0138	0.1699	0.6802	0.994	0.968	1.022
Edmonton	Main	HTN	1	NO	1	0.0082	0.0136	0.3653	0.5456	1.008	0.982	1.036
Edmonton	Main	HTN	2	NO	1	0.0041	0.0138	0.0899	0.7643	1.004	0.977	1.032
Edmonton	Main	HTN	3	NO	1	0.0036	0.0137	0.0685	0.7935	1.004	0.977	1.031
Edmonton	Main	HTN	0	NO2	1	0.0134	0.0274	0.2366	0.6267	1.013	0.960	1.069
Edmonton	Main	HTN	1	NO2	1	0.0354	0.0275	1.6592	0.1977	1.036	0.982	1.093
Edmonton	Main	HTN	2	NO2	1	0.0144	0.0275	0.2755	0.5997	1.015	0.961	1.071
Edmonton	Main	HTN	3	NO2	1	0.0061	0.0277	0.0489	0.8249	1.006	0.953	1.062
Edmonton	Main	HTN	0	O3	1	-0.0022	0.0297	0.0054	0.9414	0.998	0.941	1.058
Edmonton	Main	HTN	1	O3	1	-0.0164	0.0298	0.3038	0.5815	0.984	0.928	1.043
Edmonton	Main	HTN	2	O3	1	0.0006	0.0298	0.0003	0.9852	1.001	0.944	1.061
Edmonton	Main	HTN	3	O3	1	-0.0061	0.0299	0.0418	0.8381	0.994	0.937	1.054
Edmonton	Main	HTN	0	PM25	1	0.0045	0.0167	0.0720	0.7884	1.004	0.972	1.038
Edmonton	Main	HTN	1	PM25	1	0.0119	0.0169	0.4934	0.4824	1.012	0.979	1.046
Edmonton	Main	HTN	2	PM25	1	0.0096	0.0169	0.3205	0.5713	1.010	0.977	1.044
Edmonton	Main	HTN	3	PM25	1	0.0149	0.0168	0.7790	0.3774	1.015	0.982	1.049
Edmonton	Main	Diabetes	0	CO	1	0.0107	0.0213	0.2510	0.6164	1.011	0.969	1.054
Edmonton	Main	Diabetes	1	CO	1	0.0101	0.0214	0.2221	0.6374	1.010	0.969	1.053
Edmonton	Main	Diabetes	2	CO	1	-0.0049	0.0219	0.0506	0.8219	0.995	0.953	1.039
Edmonton	Main	Diabetes	3	CO	1	-0.0102	0.0214	0.2247	0.6355	0.990	0.949	1.032

Edmonton	Main	Diabetes	0	NO	1	0.0104	0.0202	0.2637	0.6076	1.010	0.971	1.051
Edmonton	Main	Diabetes	1	NO	1	0.0236	0.0201	1.3821	0.2397	1.024	0.984	1.065
Edmonton	Main	Diabetes	2	NO	1	0.0011	0.0211	0.0027	0.9586	1.001	0.961	1.043
Edmonton	Main	Diabetes	3	NO	1	-0.0127	0.0203	0.3927	0.5309	0.987	0.949	1.027
Edmonton	Main	Diabetes	0	NO2	1	0.0349	0.0407	0.7354	0.3911	1.036	0.956	1.122
Edmonton	Main	Diabetes	1	NO2	1	0.0562	0.0405	1.9202	0.1658	1.058	0.977	1.145
Edmonton	Main	Diabetes	2	NO2	1	0.0197	0.0409	0.2328	0.6295	1.020	0.941	1.105
Edmonton	Main	Diabetes	3	NO2	1	0.0009	0.0407	0.0005	0.9815	1.001	0.924	1.084
Edmonton	Main	Diabetes	0	O3	1	-0.0026	0.0435	0.0037	0.9516	0.997	0.916	1.086
Edmonton	Main	Diabetes	1	O3	1	-0.0238	0.0439	0.2934	0.5881	0.977	0.896	1.064
Edmonton	Main	Diabetes	2	O3	1	0.0092	0.0436	0.0445	0.8329	1.009	0.927	1.099
Edmonton	Main	Diabetes	3	O3	1	0.0492	0.0435	1.2776	0.2583	1.050	0.965	1.144
Edmonton	Main	Diabetes	0	PM25	1	0.0135	0.0255	0.2830	0.5947	1.014	0.964	1.065
Edmonton	Main	Diabetes	1	PM25	1	0.0493	0.0254	3.7813	0.0518	1.051	1.000	1.104
Edmonton	Main	Diabetes	2	PM25	1	0.0321	0.0254	1.5996	0.2060	1.033	0.983	1.085
Edmonton	Main	Diabetes	3	PM25	1	0.0532	0.0247	4.6329	0.0314	1.055	1.005	1.107
Edmonton	Main	Dysrhythmia	0	CO	1	-0.0203	0.0247	0.6781	0.4103	0.980	0.934	1.028
Edmonton	Main	Dysrhythmia	1	CO	1	0.0257	0.0246	1.0970	0.2949	1.026	0.978	1.077
Edmonton	Main	Dysrhythmia	2	CO	1	0.0125	0.0247	0.2539	0.6143	1.013	0.965	1.063
Edmonton	Main	Dysrhythmia	3	CO	1	0.0215	0.0247	0.7553	0.3848	1.022	0.973	1.072
Edmonton	Main	Dysrhythmia	0	NO	1	-0.0257	0.0241	1.1385	0.2860	0.975	0.930	1.022
Edmonton	Main	Dysrhythmia	1	NO	1	0.0203	0.0231	0.7681	0.3808	1.020	0.975	1.068
Edmonton	Main	Dysrhythmia	2	NO	1	0.0077	0.0239	0.1039	0.7472	1.008	0.962	1.056
Edmonton	Main	Dysrhythmia	3	NO	1	0.0222	0.0236	0.8849	0.3469	1.022	0.976	1.071
Edmonton	Main	Dysrhythmia	0	NO2	1	0.0310	0.0487	0.4068	0.5236	1.032	0.938	1.135
Edmonton	Main	Dysrhythmia	1	NO2	1	0.0603	0.0489	1.5221	0.2173	1.062	0.965	1.169
Edmonton	Main	Dysrhythmia	2	NO2	1	0.0238	0.0491	0.2349	0.6279	1.024	0.930	1.128
Edmonton	Main	Dysrhythmia	3	NO2	1	0.0828	0.0489	2.8717	0.0901	1.086	0.987	1.196
Edmonton	Main	Dysrhythmia	0	O3	1	0.0135	0.0529	0.0653	0.7982	1.014	0.914	1.124
Edmonton	Main	Dysrhythmia	1	O3	1	-0.0132	0.0532	0.0613	0.8044	0.987	0.889	1.095
Edmonton	Main	Dysrhythmia	2	O3	1	0.0184	0.0533	0.1192	0.7299	1.019	0.918	1.131
Edmonton	Main	Dysrhythmia	3	O3	1	-0.0228	0.0529	0.1848	0.6673	0.978	0.881	1.084
Edmonton	Main	Dysrhythmia	0	PM25	1	-0.0616	0.0312	3.9083	0.0480	0.940	0.885	0.999
Edmonton	Main	Dysrhythmia	1	PM25	1	-0.0045	0.0318	0.0196	0.8887	0.996	0.935	1.060
Edmonton	Main	Dysrhythmia	2	PM25	1	-0.0090	0.0301	0.0892	0.7652	0.991	0.934	1.051
Edmonton	Main	Dysrhythmia	3	PM25	1	0.0326	0.0292	1.2514	0.2633	1.033	0.976	1.094
Edmonton	Male	Whole	0	CO	1	0.0026	0.0130	0.0389	0.8435	1.003	0.977	1.029
Edmonton	Male	Whole	1	CO	1	-0.0001	0.0131	0.0001	0.9943	1.000	0.975	1.026
Edmonton	Male	Whole	2	CO	1	-0.0080	0.0133	0.3596	0.5488	0.992	0.967	1.018
Edmonton	Male	Whole	3	CO	1	-0.0030	0.0132	0.0513	0.8207	0.997	0.971	1.023
Edmonton	Male	Whole	0	NO	1	-0.0013	0.0125	0.0115	0.9145	0.999	0.974	1.023
Edmonton	Male	Whole	1	NO	1	0.0000	0.0126	0.0000	0.9994	1.000	0.976	1.025
Edmonton	Male	Whole	2	NO	1	-0.0048	0.0128	0.1391	0.7091	0.995	0.970	1.021
Edmonton	Male	Whole	3	NO	1	-0.0085	0.0128	0.4389	0.5076	0.992	0.967	1.017

Edmonton	Male	Whole	0	NO2	1	0.0142	0.0255	0.3074	0.5793	1.014	0.965	1.066
Edmonton	Male	Whole	1	NO2	1	0.0100	0.0257	0.1508	0.6978	1.010	0.960	1.062
Edmonton	Male	Whole	2	NO2	1	0.0050	0.0258	0.0369	0.8477	1.005	0.955	1.057
Edmonton	Male	Whole	3	NO2	1	0.0050	0.0256	0.0381	0.8452	1.005	0.956	1.057
Edmonton	Male	Whole	0	O3	1	0.0012	0.0278	0.0019	0.9653	1.001	0.948	1.057
Edmonton	Male	Whole	1	O3	1	0.0051	0.0279	0.0328	0.8563	1.005	0.952	1.062
Edmonton	Male	Whole	2	O3	1	0.0189	0.0279	0.4555	0.4998	1.019	0.965	1.076
Edmonton	Male	Whole	3	O3	1	0.0064	0.0279	0.0516	0.8203	1.006	0.953	1.063
Edmonton	Male	Whole	0	PM25	1	-0.0020	0.0155	0.0161	0.8991	0.998	0.968	1.029
Edmonton	Male	Whole	1	PM25	1	0.0113	0.0157	0.5196	0.4710	1.011	0.981	1.043
Edmonton	Male	Whole	2	PM25	1	0.0150	0.0156	0.9210	0.3372	1.015	0.985	1.047
Edmonton	Male	Whole	3	PM25	1	0.0126	0.0159	0.6294	0.4276	1.013	0.982	1.045
Edmonton	Male	STEMI	0	CO	1	0.0018	0.0255	0.0050	0.9434	1.002	0.953	1.053
Edmonton	Male	STEMI	1	CO	1	-0.0032	0.0252	0.0163	0.8986	0.997	0.949	1.047
Edmonton	Male	STEMI	2	CO	1	0.0183	0.0256	0.5081	0.4760	1.018	0.969	1.071
Edmonton	Male	STEMI	3	CO	1	0.0100	0.0256	0.1517	0.6969	1.010	0.961	1.062
Edmonton	Male	STEMI	0	NO	1	-0.0106	0.0230	0.2127	0.6446	0.989	0.946	1.035
Edmonton	Male	STEMI	1	NO	1	0.0059	0.0222	0.0712	0.7896	1.006	0.963	1.051
Edmonton	Male	STEMI	2	NO	1	0.0331	0.0225	2.1593	0.1417	1.034	0.989	1.080
Edmonton	Male	STEMI	3	NO	1	0.0100	0.0233	0.1823	0.6694	1.010	0.965	1.057
Edmonton	Male	STEMI	0	NO2	1	-0.0065	0.0447	0.0211	0.8845	0.994	0.910	1.084
Edmonton	Male	STEMI	1	NO2	1	0.0077	0.0446	0.0299	0.8627	1.008	0.923	1.100
Edmonton	Male	STEMI	2	NO2	1	0.0385	0.0448	0.7365	0.3908	1.039	0.952	1.135
Edmonton	Male	STEMI	3	NO2	1	0.0334	0.0444	0.5673	0.4514	1.034	0.948	1.128
Edmonton	Male	STEMI	0	O3	1	-0.0041	0.0480	0.0074	0.9316	0.996	0.906	1.094
Edmonton	Male	STEMI	1	O3	1	-0.0094	0.0481	0.0383	0.8448	0.991	0.901	1.089
Edmonton	Male	STEMI	2	O3	1	-0.0137	0.0482	0.0802	0.7771	0.986	0.897	1.084
Edmonton	Male	STEMI	3	O3	1	-0.0169	0.0480	0.1242	0.7245	0.983	0.895	1.080
Edmonton	Male	STEMI	0	PM25	1	-0.0207	0.0268	0.5951	0.4405	0.980	0.929	1.032
Edmonton	Male	STEMI	1	PM25	1	0.0057	0.0272	0.0435	0.8348	1.006	0.953	1.061
Edmonton	Male	STEMI	2	PM25	1	0.0511	0.0264	3.7480	0.0529	1.052	0.999	1.108
Edmonton	Male	STEMI	3	PM25	1	0.0384	0.0269	2.0454	0.1527	1.039	0.986	1.095
Edmonton	Male	NSTEMI	0	CO	1	0.0002	0.0228	0.0000	0.9946	1.000	0.956	1.046
Edmonton	Male	NSTEMI	1	CO	1	0.0029	0.0232	0.0151	0.9023	1.003	0.958	1.050
Edmonton	Male	NSTEMI	2	CO	1	-0.0195	0.0235	0.6910	0.4058	0.981	0.936	1.027
Edmonton	Male	NSTEMI	3	CO	1	-0.0147	0.0227	0.4231	0.5154	0.985	0.943	1.030
Edmonton	Male	NSTEMI	0	NO	1	0.0038	0.0208	0.0331	0.8557	1.004	0.964	1.046
Edmonton	Male	NSTEMI	1	NO	1	0.0034	0.0213	0.0259	0.8721	1.003	0.962	1.046
Edmonton	Male	NSTEMI	2	NO	1	-0.0269	0.0219	1.4979	0.2210	0.973	0.933	1.016
Edmonton	Male	NSTEMI	3	NO	1	-0.0227	0.0209	1.1788	0.2776	0.978	0.938	1.018
Edmonton	Male	NSTEMI	0	NO2	1	0.0363	0.0402	0.8126	0.3674	1.037	0.958	1.122
Edmonton	Male	NSTEMI	1	NO2	1	0.0338	0.0409	0.6844	0.4081	1.034	0.955	1.121
Edmonton	Male	NSTEMI	2	NO2	1	0.0073	0.0408	0.0317	0.8586	1.007	0.930	1.091
Edmonton	Male	NSTEMI	3	NO2	1	-0.0130	0.0402	0.1046	0.7464	0.987	0.912	1.068

Edmonton	Male	NSTEMI	0	O3	1	0.0168	0.0421	0.1583	0.6908	1.017	0.936	1.104
Edmonton	Male	NSTEMI	1	O3	1	0.0454	0.0423	1.1499	0.2836	1.046	0.963	1.137
Edmonton	Male	NSTEMI	2	O3	1	0.0417	0.0426	0.9602	0.3271	1.043	0.959	1.133
Edmonton	Male	NSTEMI	3	O3	1	0.0069	0.0425	0.0263	0.8713	1.007	0.926	1.094
Edmonton	Male	NSTEMI	0	PM25	1	0.0241	0.0236	1.0412	0.3075	1.024	0.978	1.073
Edmonton	Male	NSTEMI	1	PM25	1	0.0212	0.0240	0.7794	0.3773	1.021	0.974	1.071
Edmonton	Male	NSTEMI	2	PM25	1	-0.0016	0.0243	0.0041	0.9490	0.998	0.952	1.047
Edmonton	Male	NSTEMI	3	PM25	1	0.0062	0.0246	0.0637	0.8008	1.006	0.959	1.056
Edmonton	Male	HTN	0	CO	1	0.0017	0.0180	0.0092	0.9235	1.002	0.967	1.038
Edmonton	Male	HTN	1	CO	1	-0.0054	0.0183	0.0875	0.7674	0.995	0.960	1.031
Edmonton	Male	HTN	2	CO	1	-0.0069	0.0186	0.1391	0.7092	0.993	0.958	1.030
Edmonton	Male	HTN	3	CO	1	0.0085	0.0182	0.2179	0.6407	1.009	0.973	1.045
Edmonton	Male	HTN	0	NO	1	-0.0040	0.0175	0.0516	0.8203	0.996	0.962	1.031
Edmonton	Male	HTN	1	NO	1	-0.0039	0.0176	0.0479	0.8268	0.996	0.962	1.031
Edmonton	Male	HTN	2	NO	1	0.0065	0.0179	0.1297	0.7187	1.006	0.972	1.042
Edmonton	Male	HTN	3	NO	1	0.0079	0.0172	0.2126	0.6447	1.008	0.975	1.043
Edmonton	Male	HTN	0	NO2	1	0.0158	0.0347	0.2064	0.6496	1.016	0.949	1.087
Edmonton	Male	HTN	1	NO2	1	0.0191	0.0354	0.2911	0.5895	1.019	0.951	1.093
Edmonton	Male	HTN	2	NO2	1	0.0169	0.0354	0.2294	0.6320	1.017	0.949	1.090
Edmonton	Male	HTN	3	NO2	1	0.0102	0.0351	0.0847	0.7710	1.010	0.943	1.082
Edmonton	Male	HTN	0	O3	1	-0.0220	0.0381	0.3331	0.5638	0.978	0.908	1.054
Edmonton	Male	HTN	1	O3	1	-0.0201	0.0383	0.2751	0.5999	0.980	0.909	1.056
Edmonton	Male	HTN	2	O3	1	0.0059	0.0381	0.0242	0.8765	1.006	0.934	1.084
Edmonton	Male	HTN	3	O3	1	-0.0295	0.0382	0.5958	0.4402	0.971	0.901	1.046
Edmonton	Male	HTN	0	PM25	1	-0.0099	0.0209	0.2235	0.6364	0.990	0.950	1.032
Edmonton	Male	HTN	1	PM25	1	0.0026	0.0214	0.0149	0.9029	1.003	0.961	1.046
Edmonton	Male	HTN	2	PM25	1	0.0185	0.0212	0.7624	0.3826	1.019	0.977	1.062
Edmonton	Male	HTN	3	PM25	1	0.0125	0.0214	0.3399	0.5599	1.013	0.971	1.056
Edmonton	Male	Diabetes	0	CO	1	0.0224	0.0263	0.7257	0.3943	1.023	0.971	1.077
Edmonton	Male	Diabetes	1	CO	1	0.0042	0.0268	0.0246	0.8753	1.004	0.953	1.058
Edmonton	Male	Diabetes	2	CO	1	-0.0235	0.0277	0.7237	0.3949	0.977	0.925	1.031
Edmonton	Male	Diabetes	3	CO	1	-0.0196	0.0267	0.5405	0.4622	0.981	0.931	1.033
Edmonton	Male	Diabetes	0	NO	1	0.0168	0.0248	0.4601	0.4976	1.017	0.969	1.068
Edmonton	Male	Diabetes	1	NO	1	0.0181	0.0251	0.5204	0.4707	1.018	0.969	1.070
Edmonton	Male	Diabetes	2	NO	1	-0.0125	0.0268	0.2185	0.6402	0.988	0.937	1.041
Edmonton	Male	Diabetes	3	NO	1	-0.0195	0.0251	0.5990	0.4389	0.981	0.934	1.030
Edmonton	Male	Diabetes	0	NO2	1	0.0528	0.0506	1.0883	0.2968	1.054	0.955	1.164
Edmonton	Male	Diabetes	1	NO2	1	0.0437	0.0513	0.7268	0.3939	1.045	0.945	1.155
Edmonton	Male	Diabetes	2	NO2	1	-0.0060	0.0518	0.0133	0.9082	0.994	0.898	1.100
Edmonton	Male	Diabetes	3	NO2	1	-0.0046	0.0509	0.0083	0.9275	0.995	0.901	1.100
Edmonton	Male	Diabetes	0	O3	1	0.0068	0.0553	0.0152	0.9017	1.007	0.903	1.122
Edmonton	Male	Diabetes	1	O3	1	-0.0320	0.0555	0.3337	0.5635	0.968	0.869	1.080
Edmonton	Male	Diabetes	2	O3	1	0.0350	0.0556	0.3958	0.5293	1.036	0.929	1.155
Edmonton	Male	Diabetes	3	O3	1	0.0448	0.0552	0.6566	0.4178	1.046	0.938	1.165

Edmonton	Male	Diabetes	0	PM25	1	0.0077	0.0314	0.0605	0.8057	1.008	0.948	1.072
Edmonton	Male	Diabetes	1	PM25	1	0.0613	0.0317	3.7477	0.0529	1.063	0.999	1.131
Edmonton	Male	Diabetes	2	PM25	1	0.0261	0.0316	0.6823	0.4088	1.026	0.965	1.092
Edmonton	Male	Diabetes	3	PM25	1	0.0426	0.0314	1.8414	0.1748	1.043	0.981	1.110
Edmonton	Male	Dysrhythmia	0	CO	1	-0.0306	0.0305	1.0103	0.3148	0.970	0.914	1.030
Edmonton	Male	Dysrhythmia	1	CO	1	0.0276	0.0303	0.8290	0.3626	1.028	0.969	1.091
Edmonton	Male	Dysrhythmia	2	CO	1	0.0125	0.0304	0.1697	0.6804	1.013	0.954	1.075
Edmonton	Male	Dysrhythmia	3	CO	1	0.0263	0.0306	0.7358	0.3910	1.027	0.967	1.090
Edmonton	Male	Dysrhythmia	0	NO	1	-0.0384	0.0300	1.6385	0.2005	0.962	0.907	1.021
Edmonton	Male	Dysrhythmia	1	NO	1	0.0304	0.0285	1.1387	0.2859	1.031	0.975	1.090
Edmonton	Male	Dysrhythmia	2	NO	1	0.0142	0.0288	0.2428	0.6222	1.014	0.959	1.073
Edmonton	Male	Dysrhythmia	3	NO	1	0.0272	0.0289	0.8876	0.3461	1.028	0.971	1.087
Edmonton	Male	Dysrhythmia	0	NO2	1	0.0024	0.0610	0.0016	0.9682	1.002	0.889	1.130
Edmonton	Male	Dysrhythmia	1	NO2	1	0.0181	0.0620	0.0856	0.7699	1.018	0.902	1.150
Edmonton	Male	Dysrhythmia	2	NO2	1	0.0183	0.0617	0.0882	0.7665	1.018	0.903	1.149
Edmonton	Male	Dysrhythmia	3	NO2	1	0.1005	0.0611	2.7035	0.1001	1.106	0.981	1.247
Edmonton	Male	Dysrhythmia	0	O3	1	0.0276	0.0670	0.1692	0.6808	1.028	0.901	1.172
Edmonton	Male	Dysrhythmia	1	O3	1	0.0197	0.0675	0.0853	0.7702	1.020	0.894	1.164
Edmonton	Male	Dysrhythmia	2	O3	1	0.0243	0.0676	0.1285	0.7200	1.025	0.897	1.170
Edmonton	Male	Dysrhythmia	3	O3	1	-0.0236	0.0673	0.1226	0.7262	0.977	0.856	1.114
Edmonton	Male	Dysrhythmia	0	PM25	1	-0.0588	0.0378	2.4204	0.1198	0.943	0.876	1.015
Edmonton	Male	Dysrhythmia	1	PM25	1	0.0013	0.0403	0.0011	0.9740	1.001	0.925	1.084
Edmonton	Male	Dysrhythmia	2	PM25	1	0.0120	0.0370	0.1063	0.7444	1.012	0.941	1.088
Edmonton	Male	Dysrhythmia	3	PM25	1	0.0381	0.0370	1.0599	0.3032	1.039	0.966	1.117
Edmonton	Female	Whole	0	CO	1	0.0041	0.0190	0.0473	0.8277	1.004	0.968	1.042
Edmonton	Female	Whole	1	CO	1	0.0290	0.0187	2.3933	0.1219	1.029	0.992	1.068
Edmonton	Female	Whole	2	CO	1	0.0174	0.0188	0.8554	0.3550	1.018	0.981	1.056
Edmonton	Female	Whole	3	CO	1	-0.0060	0.0191	0.0998	0.7521	0.994	0.957	1.032
Edmonton	Female	Whole	0	NO	1	-0.0023	0.0182	0.0156	0.9007	0.998	0.963	1.034
Edmonton	Female	Whole	1	NO	1	0.0296	0.0175	2.8549	0.0911	1.030	0.995	1.066
Edmonton	Female	Whole	2	NO	1	0.0039	0.0179	0.0479	0.8267	1.004	0.969	1.040
Edmonton	Female	Whole	3	NO	1	-0.0086	0.0185	0.2170	0.6413	0.991	0.956	1.028
Edmonton	Female	Whole	0	NO2	1	0.0210	0.0367	0.3271	0.5674	1.021	0.950	1.097
Edmonton	Female	Whole	1	NO2	1	0.0699	0.0357	3.8344	0.0502	1.072	1.000	1.150
Edmonton	Female	Whole	2	NO2	1	0.0210	0.0361	0.3360	0.5621	1.021	0.951	1.096
Edmonton	Female	Whole	3	NO2	1	0.0019	0.0366	0.0028	0.9578	1.002	0.933	1.076
Edmonton	Female	Whole	0	O3	1	0.0021	0.0388	0.0029	0.9570	1.002	0.929	1.081
Edmonton	Female	Whole	1	O3	1	-0.0222	0.0390	0.3232	0.5697	0.978	0.906	1.056
Edmonton	Female	Whole	2	O3	1	-0.0038	0.0389	0.0097	0.9214	0.996	0.923	1.075
Edmonton	Female	Whole	3	O3	1	0.0230	0.0391	0.3470	0.5558	1.023	0.948	1.105
Edmonton	Female	Whole	0	PM25	1	0.0170	0.0226	0.5681	0.4510	1.017	0.973	1.063
Edmonton	Female	Whole	1	PM25	1	0.0357	0.0221	2.6050	0.1065	1.036	0.992	1.082
Edmonton	Female	Whole	2	PM25	1	0.0064	0.0224	0.0819	0.7747	1.006	0.963	1.052
Edmonton	Female	Whole	3	PM25	1	0.0132	0.0220	0.3582	0.5495	1.013	0.970	1.058

Edmonton	Female	STEMI	0	CO	1	0.0501	0.0425	1.3872	0.2389	1.051	0.967	1.143
Edmonton	Female	STEMI	1	CO	1	0.0138	0.0407	0.1140	0.7357	1.014	0.936	1.098
Edmonton	Female	STEMI	2	CO	1	0.0187	0.0407	0.2115	0.6456	1.019	0.941	1.104
Edmonton	Female	STEMI	3	CO	1	-0.0153	0.0409	0.1394	0.7089	0.985	0.909	1.067
Edmonton	Female	STEMI	0	NO	1	0.0604	0.0373	2.6258	0.1051	1.062	0.987	1.143
Edmonton	Female	STEMI	1	NO	1	0.0096	0.0359	0.0717	0.7889	1.010	0.941	1.083
Edmonton	Female	STEMI	2	NO	1	-0.0099	0.0356	0.0775	0.7808	0.990	0.923	1.062
Edmonton	Female	STEMI	3	NO	1	-0.0255	0.0384	0.4411	0.5066	0.975	0.904	1.051
Edmonton	Female	STEMI	0	NO2	1	0.0734	0.0707	1.0769	0.2994	1.076	0.937	1.236
Edmonton	Female	STEMI	1	NO2	1	0.0680	0.0692	0.9662	0.3256	1.070	0.935	1.226
Edmonton	Female	STEMI	2	NO2	1	0.0103	0.0690	0.0222	0.8815	1.010	0.883	1.157
Edmonton	Female	STEMI	3	NO2	1	-0.0469	0.0692	0.4601	0.4976	0.954	0.833	1.093
Edmonton	Female	STEMI	0	O3	1	-0.0506	0.0742	0.4645	0.4955	0.951	0.822	1.100
Edmonton	Female	STEMI	1	O3	1	-0.0405	0.0737	0.3030	0.5820	0.960	0.831	1.109
Edmonton	Female	STEMI	2	O3	1	-0.0002	0.0730	0.0000	0.9982	1.000	0.867	1.154
Edmonton	Female	STEMI	3	O3	1	0.0232	0.0733	0.1004	0.7514	1.024	0.886	1.182
Edmonton	Female	STEMI	0	PM25	1	0.0307	0.0423	0.5270	0.4679	1.031	0.949	1.120
Edmonton	Female	STEMI	1	PM25	1	0.0025	0.0434	0.0032	0.9550	1.002	0.921	1.091
Edmonton	Female	STEMI	2	PM25	1	-0.0584	0.0431	1.8369	0.1753	0.943	0.867	1.026
Edmonton	Female	STEMI	3	PM25	1	-0.0103	0.0412	0.0623	0.8029	0.990	0.913	1.073
Edmonton	Female	NSTEMI	0	CO	1	0.0059	0.0309	0.0363	0.8490	1.006	0.947	1.069
Edmonton	Female	NSTEMI	1	CO	1	0.0313	0.0310	1.0210	0.3123	1.032	0.971	1.097
Edmonton	Female	NSTEMI	2	CO	1	0.0225	0.0309	0.5305	0.4664	1.023	0.963	1.087
Edmonton	Female	NSTEMI	3	CO	1	0.0084	0.0314	0.0713	0.7894	1.008	0.948	1.073
Edmonton	Female	NSTEMI	0	NO	1	-0.0092	0.0280	0.1064	0.7443	0.991	0.938	1.047
Edmonton	Female	NSTEMI	1	NO	1	0.0336	0.0267	1.5822	0.2084	1.034	0.981	1.090
Edmonton	Female	NSTEMI	2	NO	1	0.0026	0.0275	0.0089	0.9248	1.003	0.950	1.058
Edmonton	Female	NSTEMI	3	NO	1	-0.0034	0.0277	0.0153	0.9016	0.997	0.944	1.052
Edmonton	Female	NSTEMI	0	NO2	1	0.0101	0.0539	0.0350	0.8516	1.010	0.909	1.123
Edmonton	Female	NSTEMI	1	NO2	1	0.0887	0.0524	2.8654	0.0905	1.093	0.986	1.211
Edmonton	Female	NSTEMI	2	NO2	1	0.0524	0.0542	0.9352	0.3335	1.054	0.948	1.172
Edmonton	Female	NSTEMI	3	NO2	1	0.0169	0.0548	0.0944	0.7587	1.017	0.913	1.132
Edmonton	Female	NSTEMI	0	O3	1	0.0006	0.0553	0.0001	0.9914	1.001	0.898	1.115
Edmonton	Female	NSTEMI	1	O3	1	-0.0529	0.0559	0.8969	0.3436	0.948	0.850	1.058
Edmonton	Female	NSTEMI	2	O3	1	-0.0029	0.0556	0.0027	0.9587	0.997	0.894	1.112
Edmonton	Female	NSTEMI	3	O3	1	0.0342	0.0562	0.3705	0.5428	1.035	0.927	1.155
Edmonton	Female	NSTEMI	0	PM25	1	0.0203	0.0336	0.3630	0.5468	1.020	0.955	1.090
Edmonton	Female	NSTEMI	1	PM25	1	0.0175	0.0326	0.2878	0.5916	1.018	0.955	1.085
Edmonton	Female	NSTEMI	2	PM25	1	-0.0033	0.0324	0.0105	0.9183	0.997	0.935	1.062
Edmonton	Female	NSTEMI	3	PM25	1	-0.0029	0.0324	0.0077	0.9299	0.997	0.936	1.062
Edmonton	Female	HTN	0	CO	1	0.0007	0.0235	0.0010	0.9752	1.001	0.956	1.048
Edmonton	Female	HTN	1	CO	1	0.0274	0.0231	1.4060	0.2357	1.028	0.982	1.075
Edmonton	Female	HTN	2	CO	1	0.0134	0.0231	0.3376	0.5612	1.013	0.969	1.060
Edmonton	Female	HTN	3	CO	1	0.0010	0.0235	0.0017	0.9675	1.001	0.956	1.048

Edmonton	Female	HTN	0	NO	1	-0.0084	0.0225	0.1384	0.7099	0.992	0.949	1.036
Edmonton	Female	HTN	1	NO	1	0.0272	0.0216	1.5859	0.2079	1.028	0.985	1.072
Edmonton	Female	HTN	2	NO	1	0.0006	0.0217	0.0008	0.9772	1.001	0.959	1.044
Edmonton	Female	HTN	3	NO	1	-0.0038	0.0225	0.0290	0.8649	0.996	0.953	1.041
Edmonton	Female	HTN	0	NO2	1	0.0094	0.0448	0.0444	0.8330	1.009	0.925	1.102
Edmonton	Female	HTN	1	NO2	1	0.0614	0.0436	1.9806	0.1593	1.063	0.976	1.158
Edmonton	Female	HTN	2	NO2	1	0.0107	0.0438	0.0597	0.8069	1.011	0.928	1.101
Edmonton	Female	HTN	3	NO2	1	-0.0006	0.0451	0.0002	0.9900	0.999	0.915	1.092
Edmonton	Female	HTN	0	O3	1	0.0286	0.0475	0.3632	0.5467	1.029	0.938	1.129
Edmonton	Female	HTN	1	O3	1	-0.0131	0.0476	0.0756	0.7834	0.987	0.899	1.084
Edmonton	Female	HTN	2	O3	1	-0.0077	0.0478	0.0258	0.8723	0.992	0.904	1.090
Edmonton	Female	HTN	3	O3	1	0.0313	0.0478	0.4288	0.5126	1.032	0.939	1.133
Edmonton	Female	HTN	0	PM25	1	0.0310	0.0278	1.2410	0.2653	1.031	0.977	1.089
Edmonton	Female	HTN	1	PM25	1	0.0280	0.0274	1.0454	0.3066	1.028	0.975	1.085
Edmonton	Female	HTN	2	PM25	1	-0.0055	0.0279	0.0393	0.8428	0.994	0.942	1.050
Edmonton	Female	HTN	3	PM25	1	0.0182	0.0272	0.4490	0.5028	1.018	0.966	1.074
Edmonton	Female	Diabetes	0	CO	1	-0.0105	0.0364	0.0835	0.7726	0.990	0.921	1.063
Edmonton	Female	Diabetes	1	CO	1	0.0199	0.0357	0.3098	0.5778	1.020	0.951	1.094
Edmonton	Female	Diabetes	2	CO	1	0.0269	0.0358	0.5657	0.4520	1.027	0.958	1.102
Edmonton	Female	Diabetes	3	CO	1	0.0079	0.0360	0.0480	0.8266	1.008	0.939	1.082
Edmonton	Female	Diabetes	0	NO	1	-0.0022	0.0349	0.0041	0.9491	0.998	0.932	1.068
Edmonton	Female	Diabetes	1	NO	1	0.0338	0.0337	1.0071	0.3156	1.034	0.968	1.105
Edmonton	Female	Diabetes	2	NO	1	0.0241	0.0343	0.4951	0.4816	1.024	0.958	1.096
Edmonton	Female	Diabetes	3	NO	1	0.0008	0.0346	0.0005	0.9826	1.001	0.935	1.071
Edmonton	Female	Diabetes	0	NO2	1	0.0033	0.0685	0.0024	0.9610	1.003	0.877	1.147
Edmonton	Female	Diabetes	1	NO2	1	0.0757	0.0662	1.3088	0.2526	1.079	0.947	1.228
Edmonton	Female	Diabetes	2	NO2	1	0.0623	0.0666	0.8733	0.3500	1.064	0.934	1.213
Edmonton	Female	Diabetes	3	NO2	1	0.0114	0.0680	0.0279	0.8672	1.011	0.885	1.156
Edmonton	Female	Diabetes	0	O3	1	-0.0216	0.0705	0.0935	0.7597	0.979	0.852	1.124
Edmonton	Female	Diabetes	1	O3	1	-0.0104	0.0718	0.0208	0.8853	0.990	0.860	1.139
Edmonton	Female	Diabetes	2	O3	1	-0.0329	0.0704	0.2179	0.6406	0.968	0.843	1.111
Edmonton	Female	Diabetes	3	O3	1	0.0595	0.0708	0.7051	0.4011	1.061	0.924	1.219
Edmonton	Female	Diabetes	0	PM25	1	0.0249	0.0437	0.3236	0.5694	1.025	0.941	1.117
Edmonton	Female	Diabetes	1	PM25	1	0.0278	0.0424	0.4281	0.5129	1.028	0.946	1.117
Edmonton	Female	Diabetes	2	PM25	1	0.0428	0.0425	1.0158	0.3135	1.044	0.960	1.134
Edmonton	Female	Diabetes	3	PM25	1	0.0711	0.0403	3.1140	0.0776	1.074	0.992	1.162
Edmonton	Female	Dysrhythmia	0	CO	1	0.0000	0.0422	0.0000	0.9992	1.000	0.921	1.086
Edmonton	Female	Dysrhythmia	1	CO	1	0.0232	0.0421	0.3047	0.5810	1.024	0.942	1.112
Edmonton	Female	Dysrhythmia	2	CO	1	0.0118	0.0428	0.0757	0.7833	1.012	0.930	1.100
Edmonton	Female	Dysrhythmia	3	CO	1	0.0125	0.0419	0.0888	0.7657	1.013	0.933	1.099
Edmonton	Female	Dysrhythmia	0	NO	1	-0.0018	0.0405	0.0020	0.9639	0.998	0.922	1.081
Edmonton	Female	Dysrhythmia	1	NO	1	0.0021	0.0397	0.0028	0.9575	1.002	0.927	1.083
Edmonton	Female	Dysrhythmia	2	NO	1	-0.0063	0.0429	0.0214	0.8837	0.994	0.914	1.081
Edmonton	Female	Dysrhythmia	3	NO	1	0.0126	0.0409	0.0945	0.7586	1.013	0.935	1.097

Edmonton	Female	Dysrhythmia	0	NO2	1	0.0819	0.0807	1.0295	0.3103	1.085	0.927	1.271
Edmonton	Female	Dysrhythmia	1	NO2	1	0.1310	0.0796	2.7101	0.0997	1.140	0.975	1.332
Edmonton	Female	Dysrhythmia	2	NO2	1	0.0328	0.0813	0.1631	0.6863	1.033	0.881	1.212
Edmonton	Female	Dysrhythmia	3	NO2	1	0.0524	0.0814	0.4148	0.5195	1.054	0.898	1.236
Edmonton	Female	Dysrhythmia	0	O3	1	-0.0077	0.0864	0.0080	0.9287	0.992	0.838	1.175
Edmonton	Female	Dysrhythmia	1	O3	1	-0.0675	0.0865	0.6096	0.4349	0.935	0.789	1.107
Edmonton	Female	Dysrhythmia	2	O3	1	0.0082	0.0868	0.0088	0.9251	1.008	0.851	1.195
Edmonton	Female	Dysrhythmia	3	O3	1	-0.0223	0.0859	0.0677	0.7948	0.978	0.826	1.157
Edmonton	Female	Dysrhythmia	0	PM25	1	-0.0699	0.0550	1.6146	0.2038	0.933	0.837	1.039
Edmonton	Female	Dysrhythmia	1	PM25	1	-0.0140	0.0521	0.0723	0.7881	0.986	0.890	1.092
Edmonton	Female	Dysrhythmia	2	PM25	1	-0.0471	0.0516	0.8316	0.3618	0.954	0.862	1.056
Edmonton	Female	Dysrhythmia	3	PM25	1	0.0251	0.0476	0.2787	0.5975	1.025	0.934	1.126
Edmonton	Agecat1	Whole	0	CO	1	0.0121	0.0161	0.5696	0.4504	1.012	0.981	1.045
Edmonton	Agecat1	Whole	1	CO	1	0.0104	0.0161	0.4194	0.5172	1.010	0.979	1.043
Edmonton	Agecat1	Whole	2	CO	1	-0.0139	0.0162	0.7416	0.3892	0.986	0.955	1.018
Edmonton	Agecat1	Whole	3	CO	1	-0.0041	0.0163	0.0623	0.8029	0.996	0.965	1.028
Edmonton	Agecat1	Whole	0	NO	1	0.0059	0.0155	0.1427	0.7056	1.006	0.976	1.037
Edmonton	Agecat1	Whole	1	NO	1	0.0100	0.0156	0.4092	0.5224	1.010	0.980	1.041
Edmonton	Agecat1	Whole	2	NO	1	-0.0107	0.0158	0.4543	0.5003	0.989	0.959	1.021
Edmonton	Agecat1	Whole	3	NO	1	-0.0046	0.0160	0.0831	0.7731	0.995	0.965	1.027
Edmonton	Agecat1	Whole	0	NO2	1	0.0273	0.0317	0.7406	0.3895	1.028	0.966	1.093
Edmonton	Agecat1	Whole	1	NO2	1	0.0120	0.0316	0.1448	0.7036	1.012	0.951	1.077
Edmonton	Agecat1	Whole	2	NO2	1	-0.0218	0.0317	0.4724	0.4919	0.978	0.920	1.041
Edmonton	Agecat1	Whole	3	NO2	1	-0.0060	0.0315	0.0357	0.8502	0.994	0.935	1.057
Edmonton	Agecat1	Whole	0	O3	1	-0.0255	0.0343	0.5551	0.4562	0.975	0.912	1.042
Edmonton	Agecat1	Whole	1	O3	1	-0.0221	0.0345	0.4104	0.5218	0.978	0.914	1.047
Edmonton	Agecat1	Whole	2	O3	1	0.0123	0.0345	0.1269	0.7217	1.012	0.946	1.083
Edmonton	Agecat1	Whole	3	O3	1	-0.0184	0.0345	0.2835	0.5944	0.982	0.918	1.051
Edmonton	Agecat1	Whole	0	PM25	1	0.0077	0.0194	0.1565	0.6924	1.008	0.970	1.047
Edmonton	Agecat1	Whole	1	PM25	1	0.0397	0.0192	4.2571	0.0391	1.040	1.002	1.080
Edmonton	Agecat1	Whole	2	PM25	1	0.0152	0.0191	0.6346	0.4257	1.015	0.978	1.054
Edmonton	Agecat1	Whole	3	PM25	1	0.0348	0.0192	3.2828	0.0700	1.035	0.997	1.075
Edmonton	Agecat1	STEMI	0	CO	1	0.0369	0.0299	1.5282	0.2164	1.038	0.979	1.100
Edmonton	Agecat1	STEMI	1	CO	1	0.0114	0.0292	0.1523	0.6964	1.011	0.955	1.071
Edmonton	Agecat1	STEMI	2	CO	1	0.0133	0.0299	0.1966	0.6575	1.013	0.956	1.074
Edmonton	Agecat1	STEMI	3	CO	1	0.0040	0.0301	0.0178	0.8939	1.004	0.946	1.065
Edmonton	Agecat1	STEMI	0	NO	1	0.0338	0.0266	1.6132	0.2040	1.034	0.982	1.090
Edmonton	Agecat1	STEMI	1	NO	1	0.0257	0.0258	0.9903	0.3197	1.026	0.975	1.079
Edmonton	Agecat1	STEMI	2	NO	1	0.0378	0.0261	2.0979	0.1475	1.039	0.987	1.093
Edmonton	Agecat1	STEMI	3	NO	1	0.0125	0.0282	0.1962	0.6578	1.013	0.958	1.070
Edmonton	Agecat1	STEMI	0	NO2	1	0.0560	0.0524	1.1408	0.2855	1.058	0.954	1.172
Edmonton	Agecat1	STEMI	1	NO2	1	0.0346	0.0520	0.4428	0.5058	1.035	0.935	1.146
Edmonton	Agecat1	STEMI	2	NO2	1	0.0165	0.0522	0.1000	0.7519	1.017	0.918	1.126
Edmonton	Agecat1	STEMI	3	NO2	1	-0.0040	0.0520	0.0059	0.9388	0.996	0.899	1.103

Edmonton	Agecat1	STEMI	0	O3	1	-0.0783	0.0562	1.9409	0.1636	0.925	0.828	1.032
Edmonton	Agecat1	STEMI	1	O3	1	-0.0640	0.0560	1.3057	0.2532	0.938	0.841	1.047
Edmonton	Agecat1	STEMI	2	O3	1	-0.0282	0.0558	0.2552	0.6134	0.972	0.871	1.085
Edmonton	Agecat1	STEMI	3	O3	1	-0.0163	0.0557	0.0856	0.7699	0.984	0.882	1.097
Edmonton	Agecat1	STEMI	0	PM25	1	-0.0045	0.0317	0.0200	0.8876	0.996	0.936	1.059
Edmonton	Agecat1	STEMI	1	PM25	1	0.0235	0.0316	0.5556	0.4560	1.024	0.962	1.089
Edmonton	Agecat1	STEMI	2	PM25	1	0.0267	0.0307	0.7557	0.3847	1.027	0.967	1.091
Edmonton	Agecat1	STEMI	3	PM25	1	0.0374	0.0315	1.4080	0.2354	1.038	0.976	1.104
Edmonton	Agecat1	NSTEMI	0	CO	1	0.0133	0.0300	0.1948	0.6589	1.013	0.955	1.075
Edmonton	Agecat1	NSTEMI	1	CO	1	0.0109	0.0309	0.1245	0.7242	1.011	0.952	1.074
Edmonton	Agecat1	NSTEMI	2	CO	1	-0.0289	0.0301	0.9197	0.3376	0.972	0.916	1.031
Edmonton	Agecat1	NSTEMI	3	CO	1	-0.0124	0.0293	0.1799	0.6715	0.988	0.932	1.046
Edmonton	Agecat1	NSTEMI	0	NO	1	-0.0011	0.0275	0.0017	0.9669	0.999	0.946	1.054
Edmonton	Agecat1	NSTEMI	1	NO	1	-0.0060	0.0295	0.0405	0.8405	0.994	0.938	1.053
Edmonton	Agecat1	NSTEMI	2	NO	1	-0.0390	0.0286	1.8640	0.1722	0.962	0.909	1.017
Edmonton	Agecat1	NSTEMI	3	NO	1	-0.0101	0.0271	0.1384	0.7098	0.990	0.939	1.044
Edmonton	Agecat1	NSTEMI	0	NO2	1	0.0266	0.0528	0.2539	0.6143	1.027	0.926	1.139
Edmonton	Agecat1	NSTEMI	1	NO2	1	0.0187	0.0532	0.1240	0.7248	1.019	0.918	1.131
Edmonton	Agecat1	NSTEMI	2	NO2	1	-0.0256	0.0528	0.2350	0.6279	0.975	0.879	1.081
Edmonton	Agecat1	NSTEMI	3	NO2	1	-0.0184	0.0522	0.1242	0.7245	0.982	0.886	1.087
Edmonton	Agecat1	NSTEMI	0	O3	1	-0.0055	0.0545	0.0100	0.9203	0.995	0.894	1.107
Edmonton	Agecat1	NSTEMI	1	O3	1	0.0195	0.0553	0.1248	0.7239	1.020	0.915	1.136
Edmonton	Agecat1	NSTEMI	2	O3	1	0.0505	0.0556	0.8270	0.3631	1.052	0.943	1.173
Edmonton	Agecat1	NSTEMI	3	O3	1	-0.0410	0.0556	0.5453	0.4602	0.960	0.861	1.070
Edmonton	Agecat1	NSTEMI	0	PM25	1	0.0275	0.0318	0.7466	0.3876	1.028	0.966	1.094
Edmonton	Agecat1	NSTEMI	1	PM25	1	0.0345	0.0320	1.1592	0.2816	1.035	0.972	1.102
Edmonton	Agecat1	NSTEMI	2	PM25	1	-0.0084	0.0317	0.0695	0.7920	0.992	0.932	1.055
Edmonton	Agecat1	NSTEMI	3	PM25	1	0.0333	0.0311	1.1441	0.2848	1.034	0.973	1.099
Edmonton	Agecat1	HTN	0	CO	1	0.0204	0.0233	0.7698	0.3803	1.021	0.975	1.068
Edmonton	Agecat1	HTN	1	CO	1	0.0232	0.0235	0.9762	0.3231	1.023	0.977	1.072
Edmonton	Agecat1	HTN	2	CO	1	-0.0187	0.0235	0.6327	0.4264	0.982	0.937	1.028
Edmonton	Agecat1	HTN	3	CO	1	0.0086	0.0232	0.1388	0.7095	1.009	0.964	1.056
Edmonton	Agecat1	HTN	0	NO	1	0.0150	0.0225	0.4412	0.5065	1.015	0.971	1.061
Edmonton	Agecat1	HTN	1	NO	1	0.0280	0.0227	1.5226	0.2172	1.028	0.984	1.075
Edmonton	Agecat1	HTN	2	NO	1	-0.0003	0.0227	0.0002	0.9881	1.000	0.956	1.045
Edmonton	Agecat1	HTN	3	NO	1	0.0138	0.0222	0.3853	0.5348	1.014	0.971	1.059
Edmonton	Agecat1	HTN	0	NO2	1	0.0603	0.0449	1.8000	0.1797	1.062	0.973	1.160
Edmonton	Agecat1	HTN	1	NO2	1	0.0509	0.0454	1.2541	0.2628	1.052	0.963	1.150
Edmonton	Agecat1	HTN	2	NO2	1	-0.0014	0.0450	0.0009	0.9754	0.999	0.914	1.091
Edmonton	Agecat1	HTN	3	NO2	1	-0.0077	0.0451	0.0295	0.8636	0.992	0.908	1.084
Edmonton	Agecat1	HTN	0	O3	1	-0.0624	0.0493	1.6069	0.2049	0.939	0.853	1.035
Edmonton	Agecat1	HTN	1	O3	1	-0.0592	0.0497	1.4175	0.2338	0.943	0.855	1.039
Edmonton	Agecat1	HTN	2	O3	1	-0.0139	0.0496	0.0782	0.7798	0.986	0.895	1.087
Edmonton	Agecat1	HTN	3	O3	1	-0.0776	0.0495	2.4599	0.1168	0.925	0.840	1.020

Edmonton	Agecat1	HTN	0	PM25	1	0.0048	0.0278	0.0299	0.8627	1.005	0.951	1.061
Edmonton	Agecat1	HTN	1	PM25	1	0.0472	0.0277	2.9027	0.0884	1.048	0.993	1.107
Edmonton	Agecat1	HTN	2	PM25	1	0.0173	0.0272	0.4046	0.5247	1.017	0.965	1.073
Edmonton	Agecat1	HTN	3	PM25	1	0.0291	0.0268	1.1801	0.2773	1.030	0.977	1.085
Edmonton	Agecat1	Diabetes	0	CO	1	0.0253	0.0337	0.5643	0.4525	1.026	0.960	1.096
Edmonton	Agecat1	Diabetes	1	CO	1	0.0208	0.0345	0.3645	0.5460	1.021	0.954	1.092
Edmonton	Agecat1	Diabetes	2	CO	1	-0.0284	0.0349	0.6648	0.4149	0.972	0.908	1.041
Edmonton	Agecat1	Diabetes	3	CO	1	-0.0177	0.0347	0.2588	0.6109	0.983	0.918	1.052
Edmonton	Agecat1	Diabetes	0	NO	1	0.0333	0.0309	1.1663	0.2802	1.034	0.973	1.098
Edmonton	Agecat1	Diabetes	1	NO	1	0.0242	0.0330	0.5387	0.4630	1.024	0.960	1.093
Edmonton	Agecat1	Diabetes	2	NO	1	-0.0031	0.0334	0.0085	0.9265	0.997	0.934	1.064
Edmonton	Agecat1	Diabetes	3	NO	1	-0.0297	0.0342	0.7529	0.3856	0.971	0.908	1.038
Edmonton	Agecat1	Diabetes	0	NO2	1	0.0535	0.0657	0.6641	0.4151	1.055	0.928	1.200
Edmonton	Agecat1	Diabetes	1	NO2	1	0.0898	0.0675	1.7666	0.1838	1.094	0.958	1.249
Edmonton	Agecat1	Diabetes	2	NO2	1	-0.0039	0.0666	0.0034	0.9537	0.996	0.874	1.135
Edmonton	Agecat1	Diabetes	3	NO2	1	-0.0196	0.0670	0.0855	0.7700	0.981	0.860	1.118
Edmonton	Agecat1	Diabetes	0	O3	1	-0.0486	0.0714	0.4623	0.4965	0.953	0.828	1.096
Edmonton	Agecat1	Diabetes	1	O3	1	-0.0867	0.0727	1.4228	0.2329	0.917	0.795	1.057
Edmonton	Agecat1	Diabetes	2	O3	1	0.0374	0.0723	0.2673	0.6052	1.038	0.901	1.196
Edmonton	Agecat1	Diabetes	3	O3	1	0.0197	0.0724	0.0742	0.7853	1.020	0.885	1.176
Edmonton	Agecat1	Diabetes	0	PM25	1	0.0414	0.0424	0.9520	0.3292	1.042	0.959	1.133
Edmonton	Agecat1	Diabetes	1	PM25	1	0.0836	0.0423	3.8939	0.0485	1.087	1.001	1.181
Edmonton	Agecat1	Diabetes	2	PM25	1	0.0420	0.0413	1.0360	0.3088	1.043	0.962	1.131
Edmonton	Agecat1	Diabetes	3	PM25	1	0.0639	0.0408	2.4554	0.1171	1.066	0.984	1.155
Edmonton	Agecat1	Dysrhythmia	0	CO	1	-0.0188	0.0516	0.1329	0.7154	0.981	0.887	1.086
Edmonton	Agecat1	Dysrhythmia	1	CO	1	0.0693	0.0502	1.9041	0.1676	1.072	0.971	1.182
Edmonton	Agecat1	Dysrhythmia	2	CO	1	0.0205	0.0504	0.1662	0.6835	1.021	0.925	1.127
Edmonton	Agecat1	Dysrhythmia	3	CO	1	0.0419	0.0510	0.6759	0.4110	1.043	0.944	1.152
Edmonton	Agecat1	Dysrhythmia	0	NO	1	-0.0101	0.0485	0.0437	0.8343	0.990	0.900	1.089
Edmonton	Agecat1	Dysrhythmia	1	NO	1	0.0549	0.0444	1.5305	0.2160	1.056	0.968	1.153
Edmonton	Agecat1	Dysrhythmia	2	NO	1	0.0144	0.0468	0.0952	0.7577	1.015	0.926	1.112
Edmonton	Agecat1	Dysrhythmia	3	NO	1	0.0415	0.0476	0.7610	0.3830	1.042	0.950	1.144
Edmonton	Agecat1	Dysrhythmia	0	NO2	1	0.0667	0.1021	0.4273	0.5133	1.069	0.875	1.306
Edmonton	Agecat1	Dysrhythmia	1	NO2	1	0.0503	0.1024	0.2411	0.6234	1.052	0.860	1.285
Edmonton	Agecat1	Dysrhythmia	2	NO2	1	-0.0013	0.1026	0.0002	0.9897	0.999	0.817	1.221
Edmonton	Agecat1	Dysrhythmia	3	NO2	1	0.0937	0.1020	0.8454	0.3579	1.098	0.899	1.341
Edmonton	Agecat1	Dysrhythmia	0	O3	1	0.0233	0.1078	0.0468	0.8287	1.024	0.829	1.264
Edmonton	Agecat1	Dysrhythmia	1	O3	1	-0.0488	0.1107	0.1943	0.6593	0.952	0.767	1.183
Edmonton	Agecat1	Dysrhythmia	2	O3	1	-0.0384	0.1118	0.1177	0.7315	0.962	0.773	1.198
Edmonton	Agecat1	Dysrhythmia	3	O3	1	-0.1330	0.1108	1.4401	0.2301	0.875	0.705	1.088
Edmonton	Agecat1	Dysrhythmia	0	PM25	1	-0.0427	0.0612	0.4861	0.4857	0.958	0.850	1.080
Edmonton	Agecat1	Dysrhythmia	1	PM25	1	0.1158	0.0598	3.7503	0.0528	1.123	0.999	1.262
Edmonton	Agecat1	Dysrhythmia	2	PM25	1	-0.0075	0.0614	0.0147	0.9035	0.993	0.880	1.120
Edmonton	Agecat1	Dysrhythmia	3	PM25	1	0.0759	0.0595	1.6276	0.2020	1.079	0.960	1.212

Edmonton	Agecat2	Whole	0	CO	1	-0.0044	0.0145	0.0937	0.7595	0.996	0.968	1.024
Edmonton	Agecat2	Whole	1	CO	1	0.0086	0.0144	0.3556	0.5509	1.009	0.981	1.038
Edmonton	Agecat2	Whole	2	CO	1	0.0120	0.0146	0.6797	0.4097	1.012	0.984	1.041
Edmonton	Agecat2	Whole	3	CO	1	-0.0039	0.0146	0.0727	0.7875	0.996	0.968	1.025
Edmonton	Agecat2	Whole	0	NO	1	-0.0077	0.0138	0.3111	0.5770	0.992	0.966	1.020
Edmonton	Agecat2	Whole	1	NO	1	0.0099	0.0134	0.5374	0.4635	1.010	0.984	1.037
Edmonton	Agecat2	Whole	2	NO	1	0.0049	0.0139	0.1221	0.7268	1.005	0.978	1.033
Edmonton	Agecat2	Whole	3	NO	1	-0.0115	0.0140	0.6714	0.4126	0.989	0.962	1.016
Edmonton	Agecat2	Whole	0	NO2	1	0.0078	0.0279	0.0770	0.7814	1.008	0.954	1.064
Edmonton	Agecat2	Whole	1	NO2	1	0.0449	0.0278	2.6140	0.1059	1.046	0.991	1.104
Edmonton	Agecat2	Whole	2	NO2	1	0.0351	0.0281	1.5596	0.2117	1.036	0.980	1.094
Edmonton	Agecat2	Whole	3	NO2	1	0.0118	0.0281	0.1758	0.6750	1.012	0.958	1.069
Edmonton	Agecat2	Whole	0	O3	1	0.0237	0.0301	0.6216	0.4305	1.024	0.965	1.086
Edmonton	Agecat2	Whole	1	O3	1	0.0100	0.0301	0.1099	0.7403	1.010	0.952	1.072
Edmonton	Agecat2	Whole	2	O3	1	0.0100	0.0301	0.1102	0.7399	1.010	0.952	1.071
Edmonton	Agecat2	Whole	3	O3	1	0.0343	0.0302	1.2900	0.2560	1.035	0.975	1.098
Edmonton	Agecat2	Whole	0	PM25	1	0.0015	0.0170	0.0081	0.9282	1.002	0.969	1.035
Edmonton	Agecat2	Whole	1	PM25	1	0.0038	0.0172	0.0480	0.8266	1.004	0.971	1.038
Edmonton	Agecat2	Whole	2	PM25	1	0.0093	0.0173	0.2872	0.5920	1.009	0.976	1.044
Edmonton	Agecat2	Whole	3	PM25	1	-0.0049	0.0174	0.0802	0.7771	0.995	0.962	1.030
Edmonton	Agecat2	STEMI	0	CO	1	-0.0114	0.0320	0.1277	0.7208	0.989	0.928	1.053
Edmonton	Agecat2	STEMI	1	CO	1	-0.0105	0.0315	0.1099	0.7403	0.990	0.930	1.053
Edmonton	Agecat2	STEMI	2	CO	1	0.0248	0.0316	0.6174	0.4320	1.025	0.964	1.091
Edmonton	Agecat2	STEMI	3	CO	1	0.0020	0.0313	0.0042	0.9484	1.002	0.942	1.066
Edmonton	Agecat2	STEMI	0	NO	1	-0.0205	0.0286	0.5146	0.4731	0.980	0.926	1.036
Edmonton	Agecat2	STEMI	1	NO	1	-0.0137	0.0276	0.2472	0.6191	0.986	0.934	1.041
Edmonton	Agecat2	STEMI	2	NO	1	0.0014	0.0278	0.0024	0.9606	1.001	0.948	1.057
Edmonton	Agecat2	STEMI	3	NO	1	-0.0113	0.0283	0.1584	0.6906	0.989	0.935	1.045
Edmonton	Agecat2	STEMI	0	NO2	1	-0.0279	0.0546	0.2611	0.6094	0.973	0.874	1.082
Edmonton	Agecat2	STEMI	1	NO2	1	0.0155	0.0541	0.0822	0.7744	1.016	0.913	1.129
Edmonton	Agecat2	STEMI	2	NO2	1	0.0448	0.0542	0.6838	0.4083	1.046	0.940	1.163
Edmonton	Agecat2	STEMI	3	NO2	1	0.0259	0.0537	0.2332	0.6292	1.026	0.924	1.140
Edmonton	Agecat2	STEMI	0	O3	1	0.0494	0.0580	0.7257	0.3943	1.051	0.938	1.177
Edmonton	Agecat2	STEMI	1	O3	1	0.0290	0.0580	0.2506	0.6166	1.029	0.919	1.153
Edmonton	Agecat2	STEMI	2	O3	1	0.0111	0.0580	0.0363	0.8489	1.011	0.902	1.133
Edmonton	Agecat2	STEMI	3	O3	1	0.0058	0.0581	0.0100	0.9205	1.006	0.898	1.127
Edmonton	Agecat2	STEMI	0	PM25	1	-0.0074	0.0324	0.0518	0.8200	0.993	0.932	1.058
Edmonton	Agecat2	STEMI	1	PM25	1	-0.0164	0.0338	0.2343	0.6283	0.984	0.921	1.051
Edmonton	Agecat2	STEMI	2	PM25	1	0.0113	0.0330	0.1184	0.7308	1.011	0.948	1.079
Edmonton	Agecat2	STEMI	3	PM25	1	0.0109	0.0322	0.1156	0.7339	1.011	0.949	1.077
Edmonton	Agecat2	NSTEMI	0	CO	1	-0.0039	0.0232	0.0286	0.8656	0.996	0.952	1.042
Edmonton	Agecat2	NSTEMI	1	CO	1	0.0139	0.0233	0.3552	0.5512	1.014	0.969	1.061
Edmonton	Agecat2	NSTEMI	2	CO	1	0.0113	0.0239	0.2250	0.6353	1.011	0.965	1.060
Edmonton	Agecat2	NSTEMI	3	CO	1	-0.0032	0.0236	0.0184	0.8921	0.997	0.952	1.044

Edmonton	Agecat2	NSTEMI	0	NO	1	-0.0007	0.0211	0.0011	0.9734	0.999	0.959	1.041
Edmonton	Agecat2	NSTEMI	1	NO	1	0.0246	0.0201	1.5053	0.2199	1.025	0.985	1.066
Edmonton	Agecat2	NSTEMI	2	NO	1	-0.0018	0.0215	0.0068	0.9341	0.998	0.957	1.041
Edmonton	Agecat2	NSTEMI	3	NO	1	-0.0192	0.0211	0.8312	0.3619	0.981	0.941	1.022
Edmonton	Agecat2	NSTEMI	0	NO2	1	0.0278	0.0407	0.4667	0.4945	1.028	0.949	1.114
Edmonton	Agecat2	NSTEMI	1	NO2	1	0.0767	0.0406	3.5685	0.0589	1.080	0.997	1.169
Edmonton	Agecat2	NSTEMI	2	NO2	1	0.0534	0.0414	1.6638	0.1971	1.055	0.973	1.144
Edmonton	Agecat2	NSTEMI	3	NO2	1	0.0073	0.0414	0.0308	0.8607	1.007	0.929	1.092
Edmonton	Agecat2	NSTEMI	0	O3	1	0.0228	0.0425	0.2876	0.5918	1.023	0.941	1.112
Edmonton	Agecat2	NSTEMI	1	O3	1	0.0030	0.0426	0.0050	0.9437	1.003	0.923	1.090
Edmonton	Agecat2	NSTEMI	2	O3	1	0.0102	0.0426	0.0572	0.8110	1.010	0.929	1.098
Edmonton	Agecat2	NSTEMI	3	O3	1	0.0501	0.0428	1.3698	0.2418	1.051	0.967	1.143
Edmonton	Agecat2	NSTEMI	0	PM25	1	0.0202	0.0243	0.6886	0.4067	1.020	0.973	1.070
Edmonton	Agecat2	NSTEMI	1	PM25	1	0.0115	0.0243	0.2245	0.6357	1.012	0.965	1.061
Edmonton	Agecat2	NSTEMI	2	PM25	1	0.0013	0.0247	0.0026	0.9591	1.001	0.954	1.051
Edmonton	Agecat2	NSTEMI	3	PM25	1	-0.0170	0.0252	0.4545	0.5002	0.983	0.936	1.033
Edmonton	Agecat2	HTN	0	CO	1	-0.0101	0.0181	0.3102	0.5775	0.990	0.955	1.026
Edmonton	Agecat2	HTN	1	CO	1	-0.0025	0.0181	0.0186	0.8915	0.998	0.963	1.034
Edmonton	Agecat2	HTN	2	CO	1	0.0133	0.0184	0.5219	0.4700	1.013	0.978	1.051
Edmonton	Agecat2	HTN	3	CO	1	0.0038	0.0183	0.0424	0.8368	1.004	0.968	1.040
Edmonton	Agecat2	HTN	0	NO	1	-0.0181	0.0175	1.0732	0.3002	0.982	0.949	1.016
Edmonton	Agecat2	HTN	1	NO	1	-0.0028	0.0171	0.0268	0.8700	0.997	0.964	1.031
Edmonton	Agecat2	HTN	2	NO	1	0.0068	0.0174	0.1537	0.6950	1.007	0.973	1.042
Edmonton	Agecat2	HTN	3	NO	1	-0.0026	0.0174	0.0226	0.8806	0.997	0.964	1.032
Edmonton	Agecat2	HTN	0	NO2	1	-0.0147	0.0347	0.1798	0.6716	0.985	0.921	1.055
Edmonton	Agecat2	HTN	1	NO2	1	0.0271	0.0345	0.6175	0.4320	1.028	0.960	1.100
Edmonton	Agecat2	HTN	2	NO2	1	0.0241	0.0348	0.4784	0.4891	1.024	0.957	1.097
Edmonton	Agecat2	HTN	3	NO2	1	0.0143	0.0351	0.1669	0.6829	1.014	0.947	1.087
Edmonton	Agecat2	HTN	0	O3	1	0.0336	0.0373	0.8114	0.3677	1.034	0.961	1.112
Edmonton	Agecat2	HTN	1	O3	1	0.0074	0.0373	0.0391	0.8432	1.007	0.936	1.084
Edmonton	Agecat2	HTN	2	O3	1	0.0089	0.0373	0.0564	0.8122	1.009	0.938	1.085
Edmonton	Agecat2	HTN	3	O3	1	0.0347	0.0374	0.8604	0.3536	1.035	0.962	1.114
Edmonton	Agecat2	HTN	0	PM25	1	0.0043	0.0209	0.0423	0.8371	1.004	0.964	1.046
Edmonton	Agecat2	HTN	1	PM25	1	-0.0080	0.0213	0.1425	0.7058	0.992	0.951	1.034
Edmonton	Agecat2	HTN	2	PM25	1	0.0047	0.0215	0.0479	0.8267	1.005	0.963	1.048
Edmonton	Agecat2	HTN	3	PM25	1	0.0055	0.0216	0.0636	0.8010	1.005	0.964	1.049
Edmonton	Agecat2	Diabetes	0	CO	1	0.0010	0.0275	0.0012	0.9721	1.001	0.948	1.056
Edmonton	Agecat2	Diabetes	1	CO	1	0.0035	0.0273	0.0168	0.8969	1.004	0.951	1.059
Edmonton	Agecat2	Diabetes	2	CO	1	0.0107	0.0281	0.1439	0.7044	1.011	0.957	1.068
Edmonton	Agecat2	Diabetes	3	CO	1	-0.0061	0.0273	0.0507	0.8219	0.994	0.942	1.048
Edmonton	Agecat2	Diabetes	0	NO	1	-0.0062	0.0267	0.0538	0.8166	0.994	0.943	1.047
Edmonton	Agecat2	Diabetes	1	NO	1	0.0234	0.0253	0.8542	0.3554	1.024	0.974	1.076
Edmonton	Agecat2	Diabetes	2	NO	1	0.0038	0.0273	0.0197	0.8883	1.004	0.952	1.059
Edmonton	Agecat2	Diabetes	3	NO	1	-0.0036	0.0252	0.0204	0.8864	0.996	0.948	1.047

Edmonton	Agecat2	Diabetes	0	NO2	1	0.0236	0.0519	0.2071	0.6490	1.024	0.925	1.133
Edmonton	Agecat2	Diabetes	1	NO2	1	0.0378	0.0507	0.5545	0.4565	1.038	0.940	1.147
Edmonton	Agecat2	Diabetes	2	NO2	1	0.0340	0.0518	0.4295	0.5122	1.035	0.935	1.145
Edmonton	Agecat2	Diabetes	3	NO2	1	0.0118	0.0514	0.0531	0.8177	1.012	0.915	1.119
Edmonton	Agecat2	Diabetes	0	O3	1	0.0248	0.0548	0.2050	0.6508	1.025	0.921	1.141
Edmonton	Agecat2	Diabetes	1	O3	1	0.0125	0.0551	0.0520	0.8197	1.013	0.909	1.128
Edmonton	Agecat2	Diabetes	2	O3	1	-0.0068	0.0547	0.0153	0.9017	0.993	0.892	1.106
Edmonton	Agecat2	Diabetes	3	O3	1	0.0658	0.0545	1.4586	0.2272	1.068	0.960	1.188
Edmonton	Agecat2	Diabetes	0	PM25	1	-0.0017	0.0319	0.0028	0.9578	0.998	0.938	1.063
Edmonton	Agecat2	Diabetes	1	PM25	1	0.0307	0.0317	0.9357	0.3334	1.031	0.969	1.097
Edmonton	Agecat2	Diabetes	2	PM25	1	0.0260	0.0321	0.6527	0.4192	1.026	0.964	1.093
Edmonton	Agecat2	Diabetes	3	PM25	1	0.0466	0.0311	2.2412	0.1344	1.048	0.986	1.114
Edmonton	Agecat2	Dysrhythmia	0	CO	1	-0.0208	0.0282	0.5446	0.4605	0.979	0.927	1.035
Edmonton	Agecat2	Dysrhythmia	1	CO	1	0.0114	0.0282	0.1619	0.6874	1.011	0.957	1.069
Edmonton	Agecat2	Dysrhythmia	2	CO	1	0.0096	0.0285	0.1137	0.7359	1.010	0.955	1.068
Edmonton	Agecat2	Dysrhythmia	3	CO	1	0.0154	0.0283	0.2960	0.5864	1.015	0.961	1.073
Edmonton	Agecat2	Dysrhythmia	0	NO	1	-0.0307	0.0277	1.2262	0.2681	0.970	0.919	1.024
Edmonton	Agecat2	Dysrhythmia	1	NO	1	0.0063	0.0271	0.0545	0.8154	1.006	0.954	1.061
Edmonton	Agecat2	Dysrhythmia	2	NO	1	0.0047	0.0278	0.0291	0.8646	1.005	0.951	1.061
Edmonton	Agecat2	Dysrhythmia	3	NO	1	0.0160	0.0272	0.3449	0.5570	1.016	0.963	1.072
Edmonton	Agecat2	Dysrhythmia	0	NO2	1	0.0199	0.0554	0.1296	0.7189	1.020	0.915	1.137
Edmonton	Agecat2	Dysrhythmia	1	NO2	1	0.0610	0.0557	1.1980	0.2737	1.063	0.953	1.185
Edmonton	Agecat2	Dysrhythmia	2	NO2	1	0.0308	0.0560	0.3020	0.5826	1.031	0.924	1.151
Edmonton	Agecat2	Dysrhythmia	3	NO2	1	0.0794	0.0557	2.0274	0.1545	1.083	0.971	1.208
Edmonton	Agecat2	Dysrhythmia	0	O3	1	0.0112	0.0608	0.0341	0.8534	1.011	0.898	1.139
Edmonton	Agecat2	Dysrhythmia	1	O3	1	-0.0007	0.0607	0.0001	0.9906	0.999	0.887	1.126
Edmonton	Agecat2	Dysrhythmia	2	O3	1	0.0337	0.0607	0.3084	0.5786	1.034	0.918	1.165
Edmonton	Agecat2	Dysrhythmia	3	O3	1	0.0096	0.0604	0.0252	0.8738	1.010	0.897	1.136
Edmonton	Agecat2	Dysrhythmia	0	PM25	1	-0.0691	0.0362	3.6522	0.0560	0.933	0.869	1.002
Edmonton	Agecat2	Dysrhythmia	1	PM25	1	-0.0513	0.0377	1.8457	0.1743	0.950	0.882	1.023
Edmonton	Agecat2	Dysrhythmia	2	PM25	1	-0.0105	0.0345	0.0928	0.7607	0.990	0.925	1.059
Edmonton	Agecat2	Dysrhythmia	3	PM25	1	0.0180	0.0336	0.2884	0.5912	1.018	0.953	1.087