

ABBREVIATIONS

ACC	Acclimatization
AMO	Annual mean occurrence
AP	Air pollution-related weather types
AQI	Air Quality Index
ARL	Aerobiology Research Laboratories
CA	Cold weather types
CART	Classification and regression trees
CCIS	Canadian climate impacts scenarios
CDC	Center for Disease Control
CGCM	Coupled global climate model
CGCMs	Canadian CGMC1 and CGCM2
CGCM1/C-1	The Canadian first generation coupled global climate model – IPCC IS92a scenario
CGCM2-A2/ C-A2	The Canadian second generation coupled global climate model – IPCC SRES A2 scenarios
CGCM2-B2/ C-B2	The Canadian second generation coupled global climate model – IPCC SRES B2 scenarios
CHRONOS	Canadian Hemispheric and Regional O ₃ and NO _x System
CIHI	Canadian Institute for Health Information
CI	Confidence interval
CO	Carbon monoxide
COH	Coefficient of haze
CSDs	Census subdivisions
CV	Coefficients of variation
DM	Dry moderate air mass
DP	Dry polar air mass
DT	Dry tropical air mass
EC	Environment Canada
EOF	Empirical orthogonal functions
EPA	Environmental Protection Agency
Estimations I	Estimate of future elevated mortality based on changes in weather types alone
Estimations II	Estimate of future elevated mortality based on future weather and air pollution scenarios
FAR	False alarm rate
GCMs	Global climate models
GHG	Greenhouse gas
GFDL	Geophysical Fluid Dynamics Laboratory
HAs (HA1, HA2, HA3)	Hot weather types 1 – 3 together
HA1, HA2, and HA3	Three hot weather types
HA1	The hottest weather type

HHAS	Heat-Health Alert System
ICD	International Classification of Diseases
IPCC	Intergovernmental Panel on Climate Change
LST	Local standard time
MATLAB	A linear algebra manipulator and viewer package – a computer software package
MM	Moist moderate air mass
MOE	Ontario Ministry of the Environment
MP	Moist polar air mass
MSC	Meteorological Service of Canada
MT	Moist tropical air mass
MT+	Typical moist tropical air mass
NAPS	National Air Pollution Surveillance network
NCAR	National Centers for Atmospheric Research
NCEP	National Centers for Environmental Prediction
NO ₂	Nitrogen dioxide
NO-ACC	Nonacclimatization
NT	Nontraumatic total mortality
O ₃	Ozone
OMA	Ontario Medical Association
OT	Comfortable or “other” weather types
PA	Post agreement
PC	Principal components
PCA	Principal components analysis
PM _{2.5}	Particulate matter with an aerodynamic diameter less than 2.5 microns
POD	Probability of detection
PWWS	Philadelphia Hot Weather-Health Watch/Warning System
PYLL	Potential years of life lost
ROG	Reactive organic gas
SAS	Statistical Analysis System — a computer software package
Scenario I	Assumption of pollutant emission control policies with emissions decreasing by 20% and 32% by 2050 and 2080
Scenario II	Assumption of pollutant emission control policies with emissions remaining at the same level by 2050 and 2080 as at the end of the 20th century
Scenario III	Assumption of pollutant emission control policies with emissions increasing by 20% and 32% by 2050 and 2080
SO ₂	Sulphur dioxide
S-PLUS	Statistical analysis software package
SSC	Spatial synoptic classification
SSC2	New SSC
TR	Transitional air mass from one to another during a day
TSI	Temporal Synoptic Index
TSS	Total sum of squares

UTC	Coordinated Universal Time
VIFs	Variance inflation factors
VSL	Value of a Statistical Life
WBPT	Wet bulb potential temperature
WDI	Wind direction index
WHO	World Health Organization
WMO	World Meteorological Organization
ZR	Freezing rain