**Supplementary Table S1.** Data sources used in addition to cancer registries for population oncology geospatial research in Canada.

|  |  |  |
| --- | --- | --- |
| **Data Sources** | **Counts\*** | **Studies from this literature review** |
| Census Canada | 44 | Ghazawi et al. (2019) [81];Ghazawi et al. (2019) [80];Chan et al. (2019) [36];Le et al. (2019) [82];Darwich et al. (2019) [78];Ghazawi et al. (2019) [79];Ghazawi et al. (2019) [46];Lagace et al. (2019) [58];Ghazawi et al. (2018) [83];Saint-Jacques et al. (2018) [21];Dawe et al. (2017)[14];Ghazawi et al. (2017) [18];Singh et al. (2017) [22];Walker et al. (2017) [40];Ye et al. (2017) [47];Pinault et al. (2017) [59];Brown et al. (2016) [23];Saint-Jacques et al. (2016) [24];Auluck et al. (2016) [60];Trinh et al. (2016) [61];Torabi et al. (2015) [25];Walker et al. (2015) [84];Labine et al. (2015) [62];Torabi et al. (2014) [26];Jiang et al. (2014) [27];Auluck et al. (2014) [64];Lofters et al. (2013) [49];Hwang et al. (2013) [66];Luginaah et al. (2012) [16];Milewski (2012) [50];Holowaty et al. (2010) [31];Yiannakoulias (2009) [54];Groome et al. (2008) [44];Zhang-Salomons et al. (2006) [70];Borugian et al. (2005) [71];Gorey et al. (2003) [72];Gorey et al. (2000) [73];Mackillop et al. (2000) [74];Van Leeuwen et al. (1999) [33]Boyd et al. (1999) [75];Paszat et al. (1998) [45]Goel et al. (1997) [76];Gorey et al. (1997) [70];Walter (1992) [34] |
| Environment Canada and Provincial/Territorial Government’s Environment Departments | 9 | Pinault et al. (2017) [59];Saint-Jacques et al. (2016) [24];Li et al. (2016) [48];Winters et al (2015) [63];Hystad et al. (2013) [65];Hystad et al. (2013) [28];Hystad et al. (2012) [17];Anderson et al. (2011) [69];Pan et al. (2011) [68]; |
| Desktop Machine Technologies Conversion File | 9 | Tabaczynski et al. (2020) [57]; Le et al. (2019) [82];Saint-Jacques et al. (2016) [24];Trinh et al. (2016) [61]Winters et al (2015) [63];Labine et al. (2015) [62];Hystad et al. (2013) [65];Hystad et al. (2012) [17];Pan et al. (2011) [68] |
| Mailed-in Survey | 8 | Tabaczynski et al. (2020) [57]; Trinh et al. (2016) [61];Winters et al (2015) [63];Hystad et al. (2013) [65];Hystad et al. (2013) [28];Hystad et al. (2012) [17]Anderson et al. (2011) [69];Pan et al. (2011) [68] |
| Postal Code Conversion File Plus | 7 | Saint-Jacques et al. (2018) [21];Pinault et al. (2017) [59];Hwang et al. (2013) [66];Hystad et al. (2013) [28];Helewa et al. (2013) [43];Holowaty et al. (2010) [31];Borugian et al. (2005) [71] |
| Provincial health insurance client file | 5 | Ye et al. (2017) [47];Lofters et al. (2013) [49];Hystad et al. (2013) [65];Hystad et al. (2013) [28];Pan et al. (2011) [68] |
| Provincial Statistics Department  | 4 | McCrate et al. (2018) [38];Winters et al (2015) [63];Jiang et al. (2014) [27];Kulkarni et al. (2011) [51] |
| Government health and Environmental Surveys\*\* | 3 | Labine et al. (2015) [62];Chen et al. (2008) [32];Van Leeuwen et al. (1999) [33] |
| Surveillance, Epidemiology and End Results data | 3 | Gorey et al. (2000) [73];Mackillop et al. (2000) [74];Gorey et al. (1997) [70] |
| Discharge Abstract Database | 2 | McCrate et al. (2018) [38];Lofters et al. (2013) [49] |
| Medical charts | 2 | Ahmed et al. (2019) [35];Helewa et al. (2013) [43] |
| Vital Statistics | 2 | Le et al. (2019) [82];Jiang et al. (2014) [27] |
| Physician claim data | 1 | Lofters et al. (2013) [49] |
| Provincial screening database | 1 | Lofters et al. (2013) [49] |
| Canadian Census Health and Environment Cohort | 1 | Pinault et al. (2017) [59] |
| Cancer in Young People in Canada Registry | 1 | Larouche et al. (2020) [77] |
| Directory of Radiotherapy centres | 1 | Chan et al. (2019) [36] |

\* Studies often used multiple data sources and the total of counts do not add to 25.

\*\* Includes the Census of Agriculture, Canadian Community Health Surveyk Ontario Drinking Water Surveillance Program, Ontario Farm Groundwater Quality Survey, and Survey of Pesticide Use in Ontario, Ontario Health Survey.