

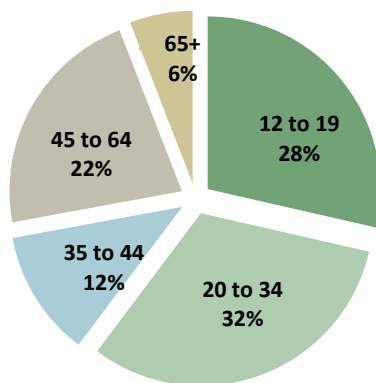
# Exposure to second hand smoke in vehicles

## Canada, 2009

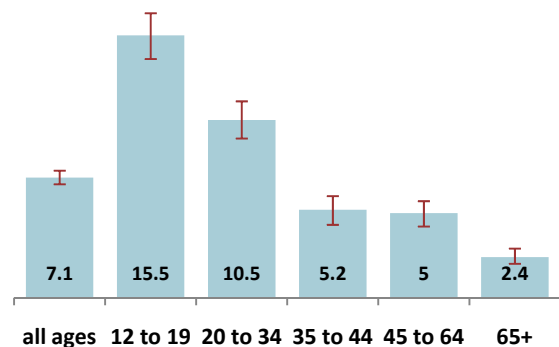
### Key findings

- The number of non-smoking Canadians who report being exposed every day or nearly every day to cigarette smoke in a private vehicle has fallen by about one-fourth between 2003 and 2009.
- The age group most likely to report being exposed to second hand smoke in private vehicles on a daily or near-daily basis are young people, aged 12-19.
- Seven Canadian jurisdictions prohibit smoking when children are present in cars. By the beginning of the most recent survey year (2009), two provinces had laws banning smoking when children were present in effect (Nova Scotia and Ontario), as did the Yukon. During 2009, provisions were put in place in British Columbia and Prince Edward Island. Laws in New Brunswick and Manitoba came into effect in 2010, after this survey year.

Distribution of non-smokers exposed to second hand in vehicles by age, 2009



Percentage of non-smokers exposed to second hand smoke in vehicles by age, 2009

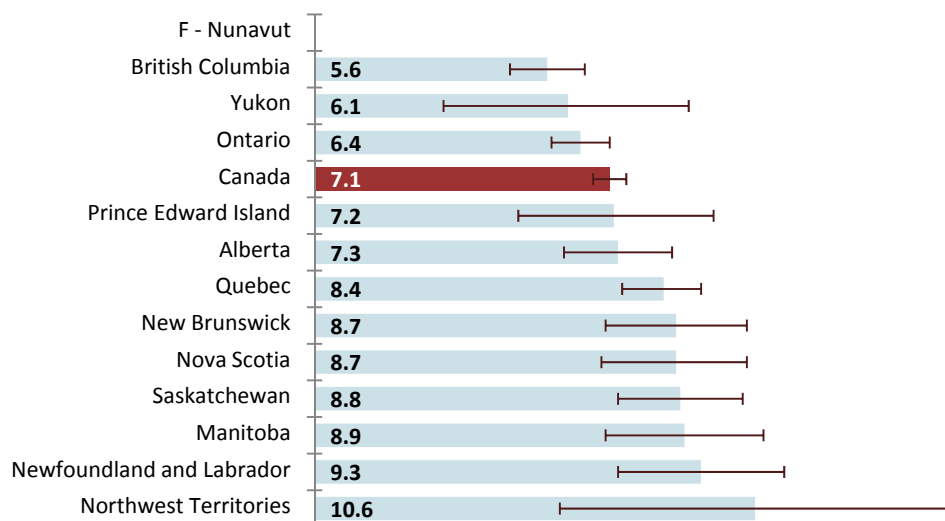


**NON-SMOKERS' EXPOSURE TO SECOND HAND SMOKE IN VEHICLES, 2009**

|                           | Percentage of population<br>(95% confidence interval) |                  | Number of<br>People |
|---------------------------|---|------------------|---------------------|
| <b>Canada</b>             | <b>7.1</b>  | <b>(6.7-7.5)</b> | <b>1,617,213</b>    |
| Newfoundland and Labrador | 9.3   | (7.3-11.3)       | 31,820              |
| Prince Edward Island      | E7.2  | (4.9-9.6)        | E6,997              |
| Nova Scotia               | 8.7   | (6.9-10.4)       | 53,421              |
| New Brunswick             | 8.7   | (7-10.4)         | 43,856              |
| Quebec                    | 8.4   | (7.4-9.3)        | 431,844             |
| Ontario                   | 6.4   | (5.7-7.1)        | 574,167             |
| Manitoba                  | 8.9   | (7-10.8)         | 68,385              |
| Saskatchewan              | 8.8   | (7.3-10.3)       | 56,253              |
| Alberta                   | 7.3   | (6-8.6)          | 166,675             |
| British Columbia          | 5.6   | (4.7-6.5)        | 180,049             |
| Yukon                     | E6.1  | (3.1-9)          | E1,087              |
| Northwest Territories     | E10.6   | (5.9-15.3)       | E2,352              |
| Nunavut                   |   | <b>F</b>         | <b>F</b>            |
| <b>All ages</b>           | <b>7.1</b>  | <b>(6.7-7.5)</b> | <b>1,617,213</b>    |
| Men                       | 8   | (7.4-8.7)        | 873,485             |
| Women                     | 6.3   | (5.7-6.8)        | 743,728             |
| 12 to 19 years of age     | 15.5  | (14.1-16.8)      | 462,029             |
| 20 – 34 years of age      | 10.5  | (9.4-11.6)       | 512,753             |
| 35 – 44 years of age      | 5.2   | (4.3-6)          | 191,432             |
| 45 – 64 years of age      | 5   | (4.2-5.7)        | 355,661             |
| 65 years of age and older | 2.4   | (2-2.9)          | 95,338              |

Statistics Canada: Canadian Community Health Survey, 2009; E=Interpret with caution; F=failed

### Percentage of non-smokers reporting exposure to second-hand smoke in vehicles , 2009



## EXPOSURE OF YOUNG NON-SMOKERS' (AGED 12-19) TO SECOND HAND SMOKE IN VEHICLES, 2003-2009

|                             | 2003             | 2005             | 2007             | 2008             | 2009             |             |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|-------------|
|                             | Number of people | Number of people | Number of people | Number of people | Number of people | % Change    |
| <b>Canada</b>               | 622,239          | 569,553          | 600,438          | 470,941          | 462,029          | <b>-26%</b> |
| • Newfoundland and Labrador | 13,136           | 9,554            | 14,587           | 10,696           | E9,366           | <b>-29%</b> |
| • Prince Edward Island      | 3,786            | 3,939            | E2,973           | E2,875           | E2,763           | <b>-27%</b> |
| • Nova Scotia               | 25,085           | 18,689           | 25,011           | 15,380           | E11,290          | <b>-55%</b> |
| • New Brunswick             | 15,303           | 17,298           | 16,225           | 14,523           | E11,418          | <b>-25%</b> |
| • Quebec                    | 141,688          | 150,775          | 153,724          | 106,723          | E138,410         | <b>-2%</b>  |
| • Ontario                   | 246,432          | 213,894          | 222,304          | 172,943          | 152,074          | <b>-38%</b> |
| • Manitoba                  | 23,034           | 19,953           | 16,120           | 18,781           | E17,297          | <b>-25%</b> |
| • Saskatchewan              | 26,701           | 21,768           | 26,853           | 19,774           | E21,918          | <b>-18%</b> |
| • Alberta                   | 61,473           | 63,787           | 66,072           | 70,952           | 56,560           | <b>-8%</b>  |
| • British Columbia          | 63,401           | 48,088           | 55,265           | 37,433           | 39,755           | <b>-37%</b> |
| • Yukon                     | E616             | E557             | F                | F                | F                |             |
| • Northwest Territories     | E1221            | E1044            | E523             | F                | F                |             |
| • Nunavut                   | E366             | F                | F                | F                | F                |             |

Statistics Canada: Canadian Community Health Survey, 2009; E=Interpret with caution; F=failed

| Law                         | 2003               | 2005       | 2007       | 2008       | 2009       |             |             |
|-----------------------------|--------------------|------------|------------|------------|------------|-------------|-------------|
|                             | % pf pop'n         | % pf pop'n | % pf pop'n | % pf pop'n | % pf pop'n | % Change    |             |
| <b>Canada</b>               | 22.3               | 19.4       | 20.3       | 15.8       | 15.5       | <b>-30%</b> |             |
|                             | 21.3-23.2          | 18.6-20.3  | 18.9-21.8  | 14.7-17    | 14.1-16.8  |             |             |
| • Newfoundland and Labrador | 27.3               | 21.8       | 34.9       | 24.1       | E24.1      | <b>-12%</b> |             |
|                             | 20.9-33.6          | 17.3-26.3  | 26.5-43.3  | 16.8-31.5  | 16.2-32    |             |             |
| • Prince Edward Island      | 19 years           | 27.4       | E22.4      | E20.7      | E19.7      | <b>-24%</b> |             |
|                             | September 15, 2009 | 20.7-34    | 12.3-32.6  | 12.4-29    | 11.2-28.3  |             |             |
| • Nova Scotia               | 19 years.          | 21.2       | 28.8       | 19         | 13.8       | <b>-52%</b> |             |
|                             | April 1, 2008      | 16.9-25.5  | 21.3-36.2  | 13.1-24.9  | 8.5-19.1   |             |             |
| • New Brunswick             | 16 years           | 22.9       | 25.4       | 24.7       | 22.5       | <b>-24%</b> |             |
|                             | January 1, 2010    | 18.6-27.3  | 21-29.8    | 18.1-31.3  | 16.1-28.8  | 11.4-23.5   |             |
| • Quebec                    |                    | 24.4       | 24.2       | 24.2       | 16.8       | 21.9        | <b>-10%</b> |
|                             |                    | 22.1-26.7  | 22-26.4    | 20.7-27.8  | 13.9-19.7  | 17.7-26     |             |
| • Ontario                   | 16 years           | 22.4       | 18.2       | 18.5       | 14         | 12.3        | <b>-45%</b> |
|                             | January 21, 2009   | 20.7-24    | 16.7-19.6  | 16.1-20.8  | 12.1-15.9  | 10.4-14.2   |             |
| • Manitoba                  | 16 years           | 21.8       | 17.9       | 14.5       | 18.3       | E15.7       | <b>-28%</b> |
|                             | July 15, 2010      | 17.9-25.7  | 14-21.8    | 9.8-19.2   | 13-23.5    | 10.2-21.2   |             |
| • Saskatchewan              |                    | 27.8       | 23.3       | 29.8       | 23.9       | 24.7        | <b>-11%</b> |
|                             |                    | 23.8-31.7  | 19.6-26.9  | 24.1-35.5  | 18.5-29.3  | 18.5-30.8   |             |
| • Alberta                   |                    | 20.2       | 20         | 20.4       | 22         | 17.8        | <b>-12%</b> |
|                             |                    | 17.2-23.2  | 17.2-22.7  | 16.1-24.8  | 17.8-26.3  | 13.6-22     |             |
| • British Columbia          | 16 years           | 16.6       | 12.6       | 14.8       | 9.7        | 10.1        | <b>-39%</b> |
|                             | April 7, 2009      | 14.6-18.7  | 10.4-14.8  | 11.7-17.9  | 7.1-12.3   | 7.6-12.7    |             |
| • Yukon                     | 18 years           | E19.7      | E17        | E20.4      |            |             |             |
|                             | May 15, 2008       | 9.6-29.7   | 10.6-23.5  | 7.2-33.5   |            |             |             |
| • Northwest Territories     |                    | E31.1      | E22.2      |            |            |             |             |
|                             |                    | 21.3-41    | 14.7-29.7  |            |            |             |             |
| • Nunavut                   |                    | E25.4      |            |            |            |             |             |
|                             |                    | 18.2-32.6  |            |            |            |             |             |

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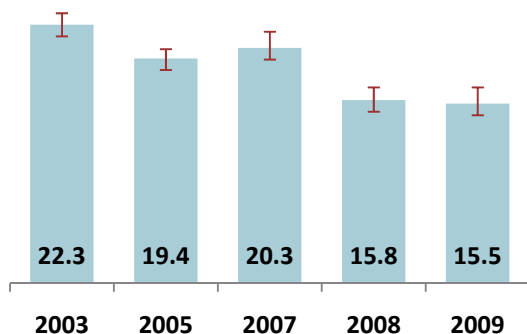
The data on this fact sheet were derived from the Canadian Community Health Surveys (Cycle 2.1, 2.2 and 2007, 2008 and 2009) as provided by Statistics Canada.

Further information on survey methodology can be found at: <http://www.statcan.gc.ca/dli-ild/data-donnees/ftp/cchs-escc-eng.htm>

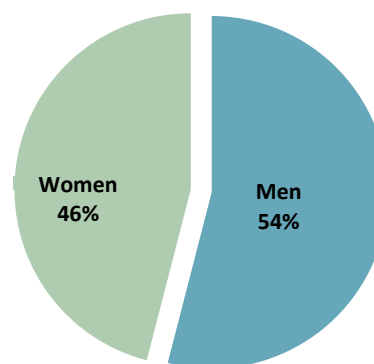
The questions used on the CCHS survey included:

- In the past month, were you exposed to second-hand smoke, every day or almost every day, in a car or other private vehicle? This question was asked of non-smokers.

**Percentage of non-smokers aged 12-19 in Canada reporting exposure to second-hand smoke in vehicles, 2003-2009**



**Distribution of non-smokers exposed to second hand in vehicles by sex, 2009**



### LAWS TO PROTECT CHILDREN FROM EXPOSURE TO TOBACCO SMOKE IN CARS

| Jurisdiction         | Age | Legislative Authority                  | Effective Date     |
|----------------------|-----|--|--------------------|
| Nova Scotia          | 19  | Smoke-Free Places (Amendment) Act      | April 1, 2008      |
| Yukon                | 18  | Smoke-Free Places Act                  | May 15, 2008       |
| Ontario              | 16  | Smoke-Free Ontario Amendment Act, 2008 | January 21, 2009   |
| British Columbia     | 16  | Motor Vehicle Amendment Act, 2008      | April 7, 2009      |
| Prince Edward Island | 19  | Smoke-Free Places Act                  | September 15, 2009 |
| New Brunswick        | 16  | Smoke-free Places Act                  | January 1, 2010    |
| Manitoba             | 16  | Highway Traffic Act                    | July 15, 2010      |