

# HEALTHY RICHMOND 2012 FACT SHEET

## TOBACCO USE



Prepared by the Public Health Surveillance Unit  
Vancouver Coastal Health Authority  
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## KEY MESSAGES

### CIGARETTE SMOKING AMONG ALL RICHMOND RESIDENTS (AGED 18 YEARS AND OLDER):

- 7.67 ± 0.99% of Richmond's adult population (equates to 11,946 residents) are current cigarette smokers<sup>1</sup>.
- Among the neighbourhoods in Richmond, Steveston has the lowest smoking rate (6.2 ± 2.3%) and Shellmont has the highest smoking rate (9.7 ± 5.5%).
- The smoking rate among males (10.3 ± 1.8%) is significantly higher than the smoking rate among females (5.3 ± 1.0%).
- Smoking rates decrease with increased educational attainment.
- Those who are unemployed have a significantly higher smoking rate (15.3 ± 5.4%) than the rest of the population.
- The smoking rate among those of visible minority<sup>2</sup> (6.2 ± 1.1%) is significantly lower than the smoking rate among those not of visible minority (10.5 ± 1.9%).

### CIGARETTE SMOKING AMONG YOUNG ADULTS IN RICHMOND (AGED 18 TO 29 YEARS):

- 11.3 ± 2.9% of Richmond's young adult population are current cigarette smokers.
- The smoking rate among young adults of visible minority (8.7 ± 2.8%) is significantly lower than the rate among young adults who are not of visible minority (21.6 ± 8.8%).
- Young adults who are students have lower smoking rates than those who are working.

### CIGARETTE SMOKING AMONG RICHMOND'S IMMIGRANT POPULATION:

- The smoking rate among those born outside of Canada (6.2%) is significantly lower than the smoking rate among those Canadian born (10.2%).

### OTHER TOBACCO USE:

- Six percent of Richmond residents have used tobacco products other than cigarettes in the past year. This rate is 2.5% among those who have never smoked cigarettes, 9.5% among those who are past cigarette smokers and 24.4% among current smokers.
- The use of other tobacco products is highest among young adults aged 18 to 29 years (13.7 ± 3.4%). In particular, 9.0 ± 2.87% of young adults report having used a hookah/water pipe/shisha in the past year.

### SECOND HAND SMOKE EXPOSURE:

- Nineteen percent (± 1.5%) of all Richmond residents report that they are exposed to second hand smoke every day or almost every day (17.3 ± 1.5% among non-smokers).
- The most common locations for second hand smoke exposure are: outdoor public venues (e.g. parks, sidewalks) at 9.8%, home at 5.6% and transit shelters or bus stops at 5.5%.

### TOBACCO & HEALTH:

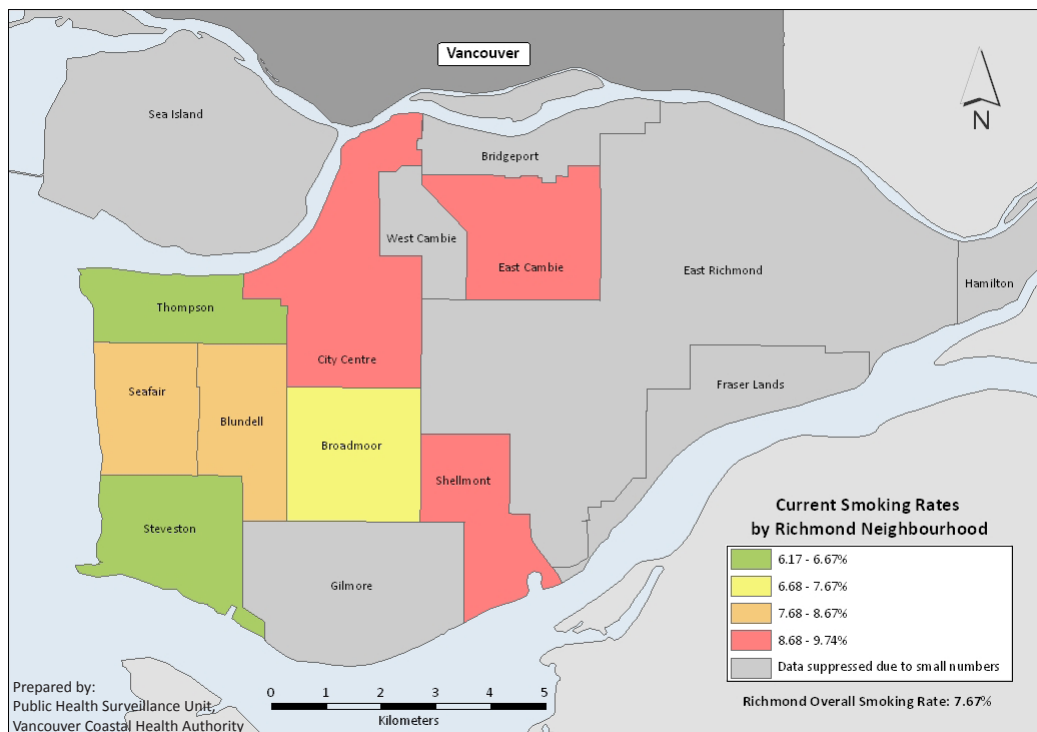
- Current smokers report lower health status and sense of community belonging.
- Among current smokers, 55.1% (± 6.8%) reported that they had at least one quit attempt in the past year.

<sup>1</sup>Current smoker refers to daily or occasional cigarette smokers.

<sup>2</sup>Visible minority is defined by Statistics Canada as those persons who are non-Caucasian or non-white in colour

# HEALTHY RICHMOND 2012 FACT SHEET - CIGARETTE USE BY NEIGHBOURHOOD

	Current Smokers Prevalence ± 95% CI	Past Smokers Prevalence ± 95% CI	Never Smoked Prevalence ± 95% CI
<b>Richmond</b>	<b>7.67 ± 0.99%</b>	<b>28.2 ± 1.68%</b>	<b>64.6 ± 1.80%</b>
Blundell	7.9 ± 2.9%	25.2 ± 2.9%	66.8 ± 5.2%
Bridgeport	*	*	*
Broadmoor	7.3 ± 2.7%	29.8 ± 4.7%	63.0 ± 5.1%
City Centre	9.3 ± 2.0%	25.2 ± 3.1%	65.5 ± 3.3%
East Cambie	9.3 ± 5.4%	23.3 ± 8.1%	67.4 ± 8.9%
East Richmond/ FL	*	22.5 ± 11.3%	69.6 ± 12.2%
Gilmore	*	*	*
Hamilton	*	*	*
Seafair	8.2 ± 3.8%	28.6 ± 5.5%	63.3 ± 6.0%
Sea Island	*	*	*
Shellmont	9.7 ± 5.5%	31.6 ± 8.2%	58.7 ± 8.8%
Steveston	6.2 ± 2.3%	35.9 ± 4.7%	58.0 ± 4.9%
Thompson	6.4 ± 3.2%	33.2 ± 6.5%	60.4 ± 6.6%
West Cambie	*	14.5 ± 8.6%	83.6 ± 8.8%



Canadian Community Health Survey 2009-2010 (age 12+) reports overall smoking rate for Richmond of 18.5% (12.9% - 24.1%), rate of past smokers of 22.6% (16.8% - 28.4%) and rate of never smokers of 59.0% (51.4% - 66.6%).

BC Stats Community Health, Education and Social Services Survey 2008 (age 15+) reports overall smoking rate for Richmond of 11.8% (7.4% - 16.2%)

Canadian Tobacco Use Monitoring Survey 2010 (age 15+) reports overall smoking rate for BC of 14.3% (12.2% - 16.3%)

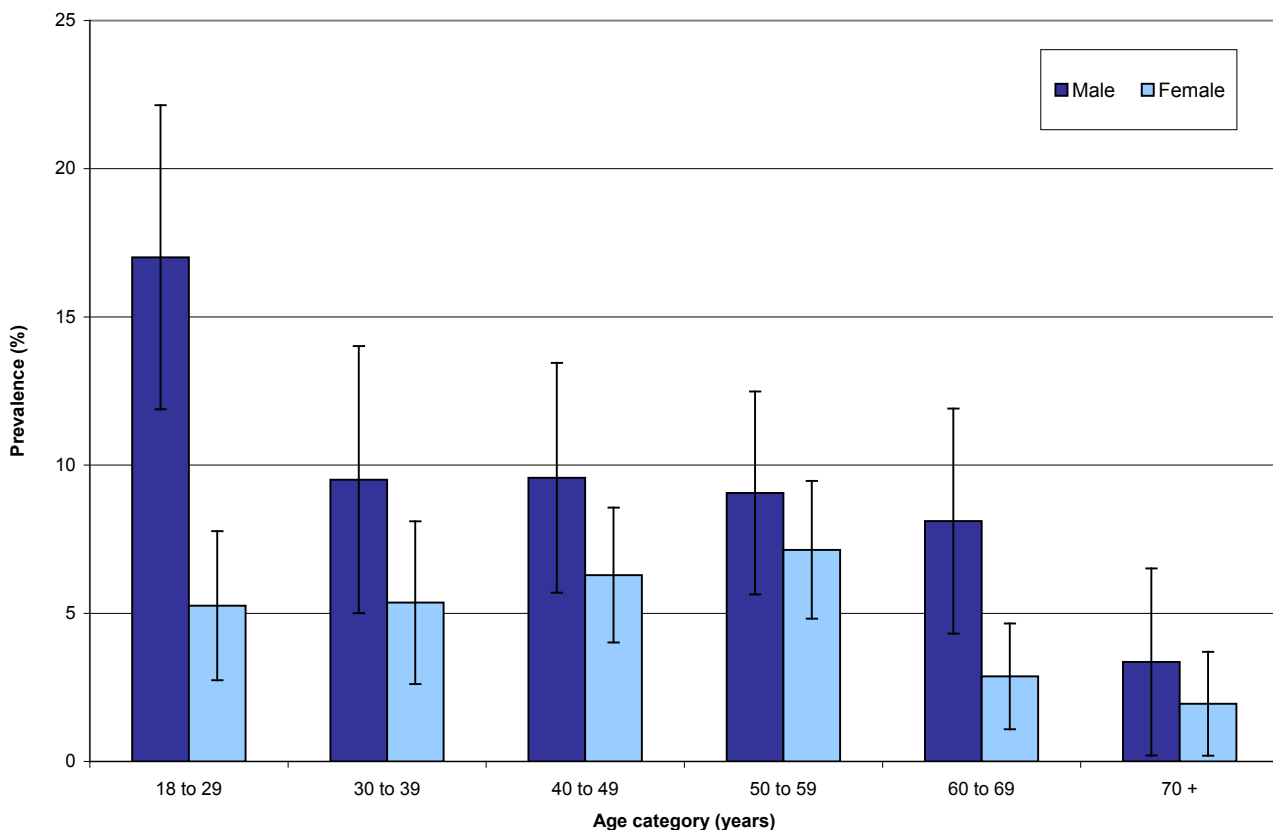
Note: \* Data suppressed due to small numbers.

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# HEALTHY RICHMOND 2012 FACT SHEET - CIGARETTE USE BY AGE & SEX

	Current Smokers Prevalence ± 95% CI	Past Smokers Prevalence ± 95% CI	Never Smoked Prevalence ± 95% CI
<b>Richmond</b>	<b>7.67 ± 0.99%</b>	<b>28.2 ± 1.68%</b>	<b>64.6 ± 1.80%</b>
Male	10.3 ± 1.8%	33.3 ± 2.8%	56.4 ± 2.9%
Female	5.3 ± 1.0%	23.5 ± 2.0%	71.2 ± 2.1%
18 to 29 years	11.3 ± 2.9%	14.9 ± 3.3%	73.8 ± 4.1%
30 to 39 years	7.3 ± 2.5%	25.9 ± 4.4%	66.9 ± 4.8%
40 to 49 years	7.8 ± 2.2%	28.9 ± 3.8%	63.3 ± 4.0%
50 to 59 years	8.1 ± 2.0%	29.8 ± 3.6%	62.2 ± 3.8%
60 to 69 years	5.4 ± 2.0%	37.7 ± 4.3%	56.9 ± 4.3%
70+ years	2.6 ± 1.7%	43.5 ± 5.6%	53.9 ± 5.6%

Rates of current cigarette smokers among Healthy Richmond survey respondents, by age category and sex (weighted percentages)



Young adult cigarette smoking (18 to 29 years): 11.3 ± 2.91% (equates to 3571 young adults in Richmond)

Born in Canada: 13.0 ± 5.1%

Not a visible minority: 21.6 ± 8.8%

Employed: 13.2 ± 4.2%

Born outside of Canada: 10.2 ± 3.5%

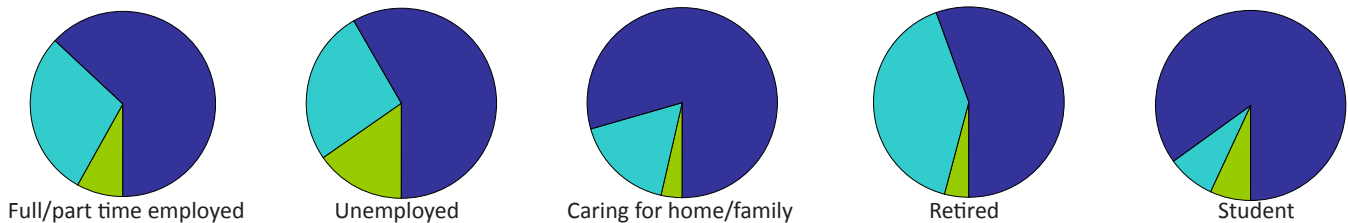
Visible minority: 8.67 ± 2.8%

Student: 7.01 ± 3.4%

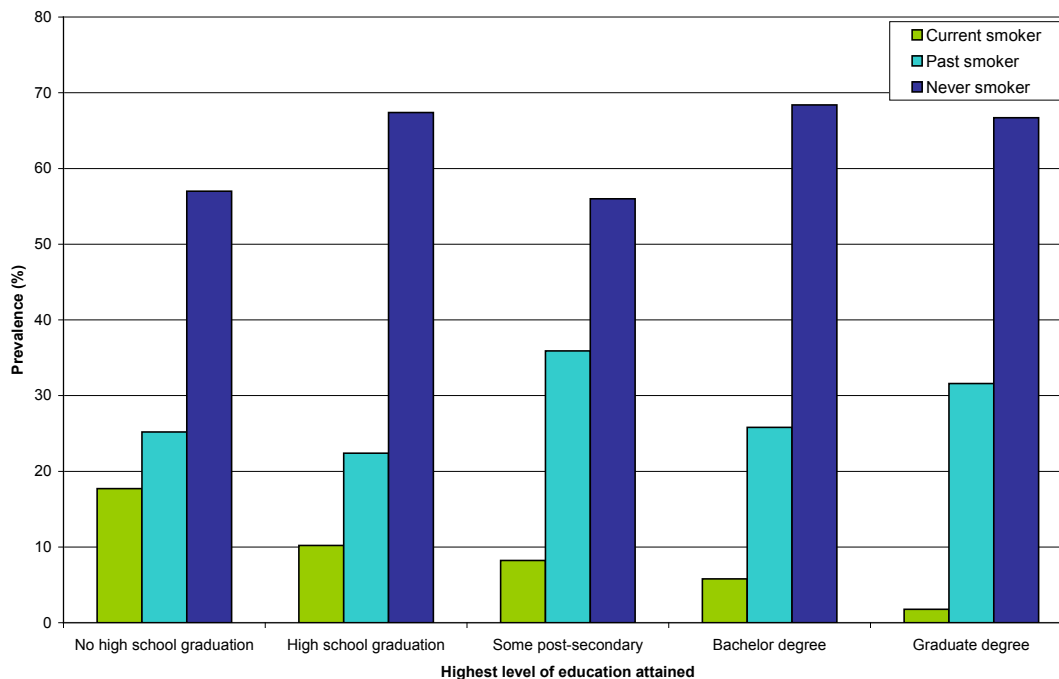
Other categories had too few observations

# HEALTHY RICHMOND 2012 FACT SHEET - CIGARETTE USE BY EDUCATION & EMPLOYMENT

	Current Smokers Prevalence ± 95% CI	Past Smokers Prevalence ± 95% CI	Never Smoked Prevalence ± 95% CI
<b>Richmond</b>	<b>7.67 ± 0.99%</b>	<b>28.2 ± 1.68%</b>	<b>64.6 ± 1.80%</b>
No high school grad	17.7 ± 7.4%	25.2 ± 7.6%	57.0 ± 8.9%
High school grad	10.2 ± 2.3%	22.4 ± 3.2%	67.4 ± 3.6%
Some post-secondary	8.2 ± 1.9%	35.9 ± 3.6%	56.0 ± 3.7%
Bachelor degree	5.8 ± 1.6%	25.8 ± 2.9%	68.4 ± 3.2%
Graduate degree	1.8 ± 1.3%	31.6 ± 4.8%	66.7 ± 4.9%
Full/part time employed	8.1 ± 1.3%	28.8 ± 2.2%	63.1 ± 2.4%
Unemployed	15.3 ± 5.4%	26.4 ± 6.6%	58.4 ± 7.3%
Caring for home/family	3.7 ± 2.6%	17.0 ± 6.4%	79.3 ± 6.7%
Retired	4.2 ± 1.6%	40.3 ± 4.1%	55.5 ± 4.1%
Student	6.9 ± 3.3%	7.9 ± 3.7%	85.1 ± 4.8%



Rates of cigarette smoking among Healthy Richmond respondents by employment status (above) and highest level of education attained (below), weighted %



# HEALTHY RICHMOND 2012 FACT SHEET - CIGARETTE USE AND IMMIGRATION

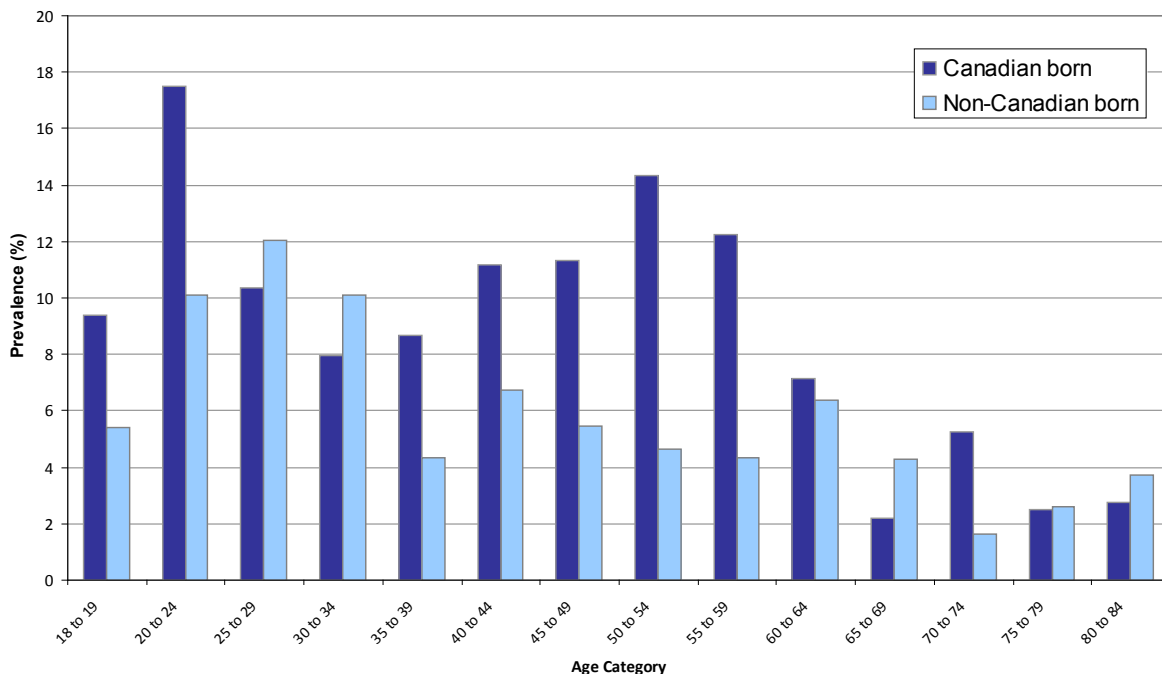
	Current Smokers Prevalence ± 95% CI	Past Smokers Prevalence ± 95% CI	Never Smoked Prevalence ± 95% CI
<b>Richmond</b>	<b>7.67 ± 0.99%</b>	<b>28.2 ± 1.68%</b>	<b>64.6 ± 1.80%</b>
Born in Canada	10.2 ± 1.9%	39.6 ± 3.1%	50.3 ± 3.2%
Born outside Canada	6.2 ± 1.2%	21.6 ± 2.0%	72.2 ± 2.1%
Non visible minority	10.5 ± 1.9%	45.2 ± 3.1%	44.3 ± 3.1%
Visible minority	6.2 ± 1.1%	19.4 ± 1.9%	74.5 ± 2.1%
<i>Chinese ethnicity*</i>	<i>6.2 ± 1.4%</i>	<i>15.9 ± 2.1%</i>	<i>77.9 ± 2.4%</i>

*Note: Chinese ethnicity identified as priority for analysis*

## Current cigarette use among Chinese ethnicity:

Age	Sex	Time in Canada
18 to 29 years: 8.8 ± 3.4%	Male: 9.4 ± 2.4%	Immigrated 0 to 4 years ago: 9.1 ± 4.9%
30 to 39 years: 6.0 ± 3.3%	Female: 2.9 ± 1.2%	Immigrated 5 to 9 years ago: 6.0 ± 4.5%
40 to 49 years: 6.3 ± 3.0%		Immigrated 10 to 14 years ago: 8.0 ± 4.3%
50 to 59 years: 4.3 ± 2.4%	Born in Canada: 5.1 ± 4.0%	Immigrated 15 to 19 years ago: 5.9 ± 2.7%
60 to 69 years: 6.0 ± 3.5%	Born outside Canada: 6.4 ± 1.4%	Immigrated 20 to 24 years ago: 4.3 ± 2.8%
70 + years: Too few observations		Immigrated 25+ years ago: 6.2 ± 3.4%

**Rates of current cigarette smokers among Richmond residents, by place of birth and age category**



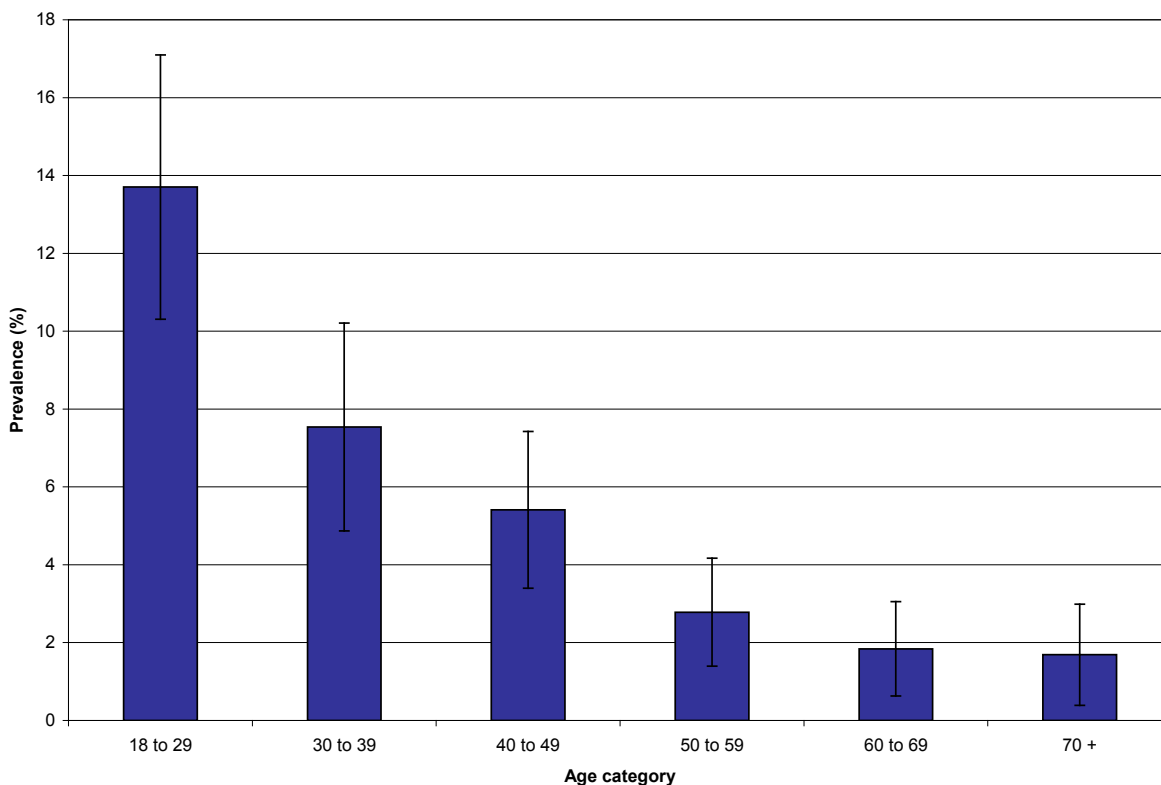
Note: CCHS 2009-2010 (age 12+) reports current smoking rate of 20.0% among non-visible minority population and 17.5% among visible minority population, past smoker rate of 37.0% among non-visible minority population and 13.3% among visible minority population and never smoked rate of 43.0% among non-visible minority population and 69.2% among visible minority population

# HEALTHY RICHMOND 2012 FACT SHEET - OTHER TOBACCO USE

Participants were asked which other tobacco products, if any, they had used in the past year

Total using other tobacco	6.1%	→ Other tobacco use among:	
Electronic cigarette	1.1%	Current smokers	24.4%
Hookah/water pipe/shisa	2.1%	Past smokers	9.5%
Chewing tobacco	0.3%	Never smoked	2.5%
Gutka	0	Men	10.0%
Snuff	0	Women	2.6%
Snus	0	Visible minority	7.6%
Pipe	0.5%	Non visible minority	5.3%
Cigar	3.8%		
Cigarillo	1.4%		

**Prevalence of tobacco use other than cigarettes among Richmond residents, by age category**



Other tobacco use among young adults (18 to 29 years): 13.7% ± 3.4%

Electronic cigarette: 3.2 ± 1.9%

Cigar: 6.5 ± 2.5%

Hookah/Water pipe/Shisha: 9.0 ± 2.9%

Cigarillo: 3.9 ± 2.1%

Other tobacco types did not have sufficient observations

## HEALTHY RICHMOND 2012 FACT SHEET - SECOND HAND SMOKE EXPOSURE

Do you experience second hand smoke exposure every day or almost every day?

Yes 19.2 ± 1.5% among all residents (29,904 residents); 17.3 ± 1.5% among non-smokers  
 No 80.6 ± 1.5% among all residents (125,539 residents); 82.7 ± 1.5% among non-smokers

### Where?

	All residents/Non-smokers	
Home	5.6%	3.9%
Vehicle	1.4%	0.9%
Transit Shelter/Waiting for the bus	5.5%	5.1%
Restaurant/Coffee shop patio	4.3%	4.0%
Other outdoor public venue	9.8%	9.2%
Condo/apartment building common area	1.7%	1.4%
Other indoor public venue	2.5%	2.1%
Other	2.8%	2.9%

### Who?

Male	21.5 ± 2.4%
Female	17.2 ± 1.8%
18 to 19 years	27.2 ± 4.1%
30 to 39 years	16.8 ± 3.8%
40 to 49 years	19.8 ± 3.2%
50 to 59 years	18.0 ± 3.1%
60 to 69 years	14.4 ± 3.1%
70+ years	13.6 ± 3.5%

Note: BC Stats Community Health, Education and Social Services Survey 2008 (age 15+) reports the following second hand smoke exposure frequencies for Richmond non-smokers: Home: 2.4 (± 2.0)%, Vehicle: sample size too small, At work: 7.6 (± 4.4)%, Enclosed public space: 8.7 (± 5.0)%, Outdoor public space: 21.9 (± 6.8)%.

## HEALTHY RICHMOND 2012 FACT SHEET - TOBACCO & HEALTH

	Current Smokers Prevalence ± 95% CI	Past Smokers Prevalence ± 95% CI	Never Smoked Prevalence ± 95% CI
At least one quit attempt in the past year	55.1 ± 6.8%	N/A	N/A
Self reported health status			
Excellent	7.01 ± 3.4%	15.2 ± 2.5%	12.8 ± 1.6%
Very Good	26.2 ± 6.1%	32.0 ± 3.3%	29.4 ± 2.2%
Good	38.6 ± 6.7%	35.7 ± 3.4%	38.1 ± 2.3%
Fair	23.3 ± 5.7%	14.2 ± 2.5%	16.3 ± 1.7%
Poor	4.8 ± 2.6%	2.92 ± 1.0%	3.5 ± 0.9%
Total	100%	100%	100%
Sense of community belonging			
Very strong	18.4 ± 5.1%	28.7 ± 3.2%	25.1 ± 1.9%
Somewhat strong	46.3 ± 7.0%	46.2 ± 3.6%	52.5 ± 2.4%
Somewhat weak	25.5 ± 6.2%	18.4 ± 2.8%	16.2 ± 1.8%
Very weak	9.79 ± 3.9%	6.7 ± 1.8%	6.2 ± 1.2%
Total	100%	100%	100%



# HEALTHY RICHMOND 2012 FACT SHEET - APPENDIX I

## BACKGROUND:

Vancouver Coastal Health Public Health, in partnership with the City of Richmond, conducted a health and wellness survey for the residents of Richmond, British Columbia to determine their general health and well-being and to support the evaluation of the Richmond Community Wellness Strategy. (<http://www.richmond.ca/services/socialplan/wellness.htm>)

## FAST FACTS:

- The survey was conducted from Friday, February 24, 2012 to Sunday, March 4, 2012.
- The survey was offered online and was supplemented by field surveyors.
- Field surveyors offered the survey in English, Cantonese and Mandarin. The online version of the survey was offered in English only.
- Field surveyors were stationed at 25 locations throughout Richmond.
- Responses were weighted by age, sex and neighbourhood, post-collection.

TABLE A1: Demographic characteristics of Healthy Richmond sample

	Number of respondents	Weighted percent (%)
<b>Total Respondents</b>	3639	100
<b>Age</b>		
18 to 19	94	3.4
20 to 29	481	16.8
30 to 39	473	16.4
40 to 49	699	22.1
50 to 59	775	20.3
60 to 69	574	10.6
70 to 79	285	6.8
80+	103	3.7
<b>Sex</b>		
Male	1344	47.1
Female	2142	52.9
<b>Neighbourhood</b>		
Blundell	356	10.1
Bridgeport	55	1.5
Broadmoor	444	13.1
City Centre	920	23.6
East Cambie	142	5.7
East Richmond/Fraser Lands	85	2.0
Gilmore	20	0.2
Hamilton	71	2.4
Sea Island	17	0.3
Seafair	293	9.3
Shellmont	161	5.5
Steveston	516	13.9
Thompson	259	8.8
West Cambie	105	3.8