

Supplementary Table 1. Observed invasive cervical cancer cases by self-identified ethnicity/race and language most often spoken at home compared to expected cases relative to the BC females general population by time period.

Category	Most recent (2009-2013)					Early (2004-2008)						
	O	ICC Proportion (%)	Census ASP (Weighted; %)	E	SR	P	O	ICC Proportion (%)	Census ASP (Weighted; %)	E	SR	P
Ethnicity/ Race												
Overall	N=587					***	N=530					*
Not a visible minority	404	68.8	76.0	446	0.91		393	74.1	78.7	417	0.94	
Visible Minority	183	31.2	24.0	141	1.30		137	25.8	21.3	113	1.21	
Within not a visible minority	N=404					***	N=393					***
Caucasian/White	355	87.9	94.6	383	0.93		357	90.8	95.4	375	0.95	
Indigenous	49	12.1	5.1	21	2.34		36	9.2	4.6	18	1.97	
Within visible minority	N=183					***	N=137					0.08
Chinese	69	37.7	26.4	48	1.43		49	35.8	47.4	65	0.75	
South Asian	40	21.9	42.5	78	0.51		32	23.4	27.0	37	0.86	
Filipino	19	10.4	8.5	16	1.22		19	13.9	6.1	8	2.26	
Korean	13	7.1	4.1	7	1.75		8	5.8	3.3	5	1.79	
Japanese	10	5.5	2.9	5	1.88		7	5.1	3.2	4	1.59	
All other ^a	32	17.5	15.7	29	1.12		22	16.1	13.0	18	1.24	
Language												
Overall	N=522					0.92	N=559					0.16
Official Languages	426	81.6	81.5	425	1.00		475	85.0	82.7	463	1.03	
Non-Official Languages	96	18.4	18.5	97	0.99		84	15.0	17.3	96	0.87	
Within non-Official Languages	N=96					0.01	N=84					0.05
Chinese Languages	43	44.8	40.8	39	1.10		37	44.0	42.7	36	1.03	
Punjabi	22	22.9	18.8	18	1.22		23	27.4	18.0	15	1.52	
Other Indo-Iranian Languages	10	10.4	7.3	7	1.42		6	7.1	6.2	5	1.15	
All Other Languages	21	21.9	33.1	32	0.66		18	21.4	33.1	28	0.65	

O = Observed; ICC = Invasive cervical cancer; ASP = Age-standardized proportion; E = Expected; SR = Standardized Ratio; P = P value;

The standardized ratio was derived by dividing the observed and age-adjusted expected counts.

^a The population group “All other” includes various population groups that individually had less than five counts.

*** = $p < 0.0001$, ** = $p < 0.001$, * = $p < 0.05$

Ethnicity unknown: Most recent period (2009-2013): N= 51, 8.0%; Early period (2004-2008): N=47, 8.1%

Fisher’s exact test was used for ‘Within visible minority’ comparisons due to expected cell sizes being less than 5.

Language unknown: Most recent period (2009-2013): N = 116, 18%; Early period (2004-2008): N 18 = 3.0%

Supplementary Table 2. Observed ICC cases by smoking status, marital status and CHSA urban-rural classification compared to expected cases relative to the BC females general population by time period.

Category	Late (2009-2013)						Early (2004-2008)					
	O	ICC Proportion (%)	Census ASP (Weighted; %)	E	SR	P	O	ICC Proportion (%)	Census ASP (Weighted; %)	E	SR	P
Smoking Status	N=623					0.08	N=568					***
Current Smoker	109	17.5	14.4	90	1.22		120	21.1	14.4	82	1.46	
Former Smoker	234	37.6	39.1	244	0.96		195	34.3	38.8	220	0.89	
Never Smoker	280	44.9	46.5	290	0.97		253	44.5	46.8	266	0.95	
Marital Status	N=633					***	N=570					*
Married	382	60.3	67.4	427	0.90		343	60.2	66.9	381	0.90	
Widowed or separated or divorced	150	23.7	19.4	123	1.22		139	24.4	19.6	112	1.24	
Single	101	16.0	13.2	83	1.21		88	15.4	13.5	77	1.15	
CHSA Classifications	901					***						***
Metro	419	46.5	51.0	460	0.91		347	44.4	49.9	391	0.89	
Large Urban	135	15.0	14.0	135	1.00		109	13.9	14.3	120	0.91	
Medium Urban	132	14.7	16.4	148	0.89		108	13.8	16.6	130	0.83	
Small Urban	66	7.3	8.9	80	0.83		64	8.2	9.0	71	0.91	
Rural-Hub	43	4.8	3.9	35	1.22		44	5.6	4.1	32	1.37	
Rural/Remote	106	11.8	4.8	43	2.48		110	14.1	5.0	39	2.79	

The standardized ratio was derived by dividing the observed and age-adjusted expected counts.

ICC = Invasive Cervical Cancer

*** = $p < 0.0001$, ** = $p < 0.001$, * = $p < 0.05$

Unknown smoking: Most recent period (2009-2013): N=15, 2.3%; Early period (2004-2008): N = 9, 1.5%

Unknown married: Most recent period (2009-2013): N=5, 0.8%; Early period (2004-2008): N=7, 1.2%