

Birth-related Statistics



Birth Introduction

Statistics based on birth events form a crucial part of the demographic profile of communities, regions, provinces, and countries. They are used to derive important indicators of health status, fertility, infant mortality, and population growth. In turn, those indicators are used for health planning, policy formulation, research, and commerce. The tables in this part of the report present birth statistics categorized by maternal characteristics and other related measures. The tables refer only to live births except Table 7 which also includes stillbirths. The mother's usual residence is used to identify geographic location.

Births – General Indicators

Certain birth and parental characteristics that are presented in this section have been shown to be related to the infant's health status or are of general interest. These characteristics include age of mother, age of father, kind of birth (single, twin, or multiple), LHA of usual residence, and mode of delivery.

Table 7 shows the live birth cardinality by mother's age. About 82.3 percent of live births in 2011 were first or second births. Second, third, and subsequent live births tend to have been delivered to progressively older women.

Table 8 shows the number of live births in BC in 2011 by the age of mother and the age of father. It also shows, for each maternal age range, the number of infants born to couples who were not formally married to each other (Out-of-Wedlock).

Over half of the births (52.6 percent) in 2011 were to mothers 30 to 39 years old and 40.3 percent were to mothers in their 20s. Only 2.7 percent were to mothers less than 20 years and 4.4 percent to those 40 or older. For fathers, over half (53.8 percent) were in their 30s, more than a quarter (26.1 percent) were in their 20s, 14.5 percent were in their 40s or older, and 0.8 percent were less than 20 years old. In 4.9 percent of births, the father's age was not indicated.

Less than one percent (0.7 percent) of births (293) were to couples who were both in their teens; births to couples in which at least one person was a teen, made up 2.8 percent (1,242) of births.

While there were only 125 births (0.3 percent) to mothers age 45 years old and over, 4.6 percent (2,022) of all newborns had fathers in that age group.

Table 9 shows the number of births by birth kind (single, twin, triplet+) according to the mother's age group. In 2011, 5.2 percent of live births to mothers 35 years and older were multiple births, whereas 2.6 percent of such births were to mothers aged 20 to 34. Teenage mothers had the lowest percentage of multiple births.

In recent decades there has been a gradual increase in multiple birth rates in BC (see Figure 8). The proportions of multiple live births increased from 1.9 percent of all live births in 1986 to 3.1 percent in 2011.

Table 11 shows the number and percentage of births in each maternal age group according to their mode of delivery. Generally, the proportion of births that were spontaneous vertex deliveries (which generally require no medical intervention), and to a lesser extent births assisted by vacuum extraction, are higher for younger mothers. On the other hand, deliveries by cesarean section are proportionally higher for older mothers (see also Figure 13).

Cesarean section deliveries in BC increased from 209.59 per 1,000 live births in 1986 to 313.65 per 1,000 live births in 2011 (see Figure 11).

Table 12 shows live births by the LHA where the mother usually resided and focuses on spontaneous vertex and cesarean section modes of delivery. Spontaneous breech, forceps, and vacuum deliveries are combined into the Other category. The table shows the number and percent of live births that were delivered by cesarean section.

The columns on the right side of the table indicate the total number of live births in 2011 to residents of each LHA and the birth rate per 1,000 population. The LHA with the highest live birth rate was more than four times the rate of the lowest. For more comparisons of cesarean section delivery rates, see also Figures 11, 12, and 13.

In Figure 30, the LHAs are grouped by their ratio of observed number of cesarean live births over expected number of cesarean live births for 2011. The figure shows the LHAs in quintiles from those with the highest cesarean ratios (quintile 5) to those with the lowest such rates (quintile 1).

Vital Statistics Information Box

BIRTHS BY MOTHER'S PLACE OF BIRTH

BRITISH COLUMBIA, 2011

Area	Province/Country	Births
Canada	Total	29,106
	British Columbia	21,201
	Ontario	2,521
	Alberta	2,509
	Saskatchewan	809
	Manitoba	781
	Quebec	550
	Nova Scotia	269
	Newfoundland & Labrador	154
	New Brunswick	140
	Yukon	80
	Northwest Territories	51
	Prince Edward Island	38
	Nunavut	3
North and Central America	Total	1,256
	United States	727
	Mexico	233
	Other North and Central American Countries	296
South America	Total	319
Europe	Total	2,068
	United Kingdom	531
	Germany	197
	Russia	185
	Romania	143
	Poland	131
	Ukraine	107
	Slovakia	65
	France	58
	Yugoslavia	56
	Scandinavian Countries	53
	Netherlands	53
	Other European Countries	489
Asia and the Middle East	Total	10,027
	India	2,853
	China	2,351
	Philippines	1,534
	Korea South	477
	Viet Nam	363
	Japan	330
	Taiwan	444
	Iran	265
	Hong Kong	240
	Pakistan	215
	Saudi Arabia	127
	Other Asian and Middle Eastern Countries	828
Africa	Total	601
	South Africa	156
	Other African Countries	445
Oceania	Total	378
	Fiji	183
	Australia	130
	New Zealand	60
	Other Oceanic Countries	5
Unknown	Total	236
Total		43,991

Note: Births consist of live births only. Non-residents are excluded.

TABLE 7
BIRTHS BY AGE OF MOTHER AND LIVE BIRTHS BY BIRTH ORDER
 BRITISH COLUMBIA, 2011

Age of Mother	Birth Order										Total Live Births	Stillbirths	Total Births
	1	2	3	4	5	6	7	8	9+	N.S.			
<14	-	-	-	-	-	-	-	-	-	-	-	-	-
14	6	-	-	-	-	-	-	-	-	-	6	3	9
15	40	-	-	-	-	-	-	-	-	-	40	3	43
16	93	3	1	-	-	-	-	-	-	-	97	8	105
17	178	19	-	-	-	-	-	-	-	-	197	5	202
18	307	42	4	-	-	-	-	-	-	-	353	7	360
19	391	76	6	-	-	-	-	-	-	-	473	9	482
20	536	158	19	3	2	-	-	-	-	-	718	9	727
21	570	218	39	6	1	-	-	-	-	-	834	7	841
22	660	343	73	6	1	1	-	-	-	-	1,084	7	1,091
23	731	392	95	25	-	-	-	-	-	-	1,243	13	1,256
24	811	486	161	44	8	3	-	-	-	-	1,513	13	1,526
25	958	613	176	47	2	1	-	-	-	-	1,797	18	1,815
26	1,188	677	238	70	17	2	-	1	-	-	2,193	24	2,217
27	1,307	791	267	77	19	9	-	-	-	-	2,470	20	2,490
28	1,473	919	303	76	27	8	4	1	-	-	2,811	27	2,838
29	1,522	1,035	362	93	43	11	10	1	1	-	3,078	28	3,106
30	1,440	1,170	326	116	29	13	5	1	2	-	3,102	30	3,132
31	1,430	1,286	379	117	30	16	5	3	-	-	3,266	22	3,288
32	1,318	1,213	367	101	31	11	6	3	1	-	3,051	31	3,082
33	1,099	1,159	417	114	26	17	5	4	4	-	2,845	23	2,868
34	996	1,102	382	112	30	19	8	4	1	-	2,654	21	2,675
35	825	991	372	95	38	16	11	-	6	-	2,354	20	2,374
36	636	834	328	115	38	15	5	4	1	-	1,976	16	1,992
37	490	683	287	75	33	12	8	7	2	-	1,597	18	1,615
38	397	561	232	86	24	18	9	3	3	-	1,333	10	1,343
39	310	400	165	60	16	8	4	5	1	-	969	10	979
40	219	294	130	53	15	7	10	1	3	-	732	17	749
41	154	178	74	36	18	1	6	5	2	-	474	6	480
42	101	117	51	25	15	5	4	4	6	-	328	6	334
43	52	66	43	11	6	1	2	-	1	-	182	7	189
44	20	47	12	8	3	1	-	1	2	-	94	1	95
45+	49	42	14	6	7	3	-	2	2	-	125	2	127
N.S.	-	-	-	2	-	-	-	-	-	-	2	-	2
TOTAL	20,307	15,915	5,323	1,579	479	198	102	50	38	-	43,991	441	44,432
%	46.2	36.2	12.1	3.6	1.1	0.5	0.2	0.1	0.1	-	100.0		

Note: Birth order denotes the number of live births. Total includes unknown gender. Non-residents are excluded. N.S. – Not stated.

TABLE 8
**TOTAL LIVE BIRTHS BY AGE OF FATHER,
 AGE OF MOTHER AND OUT-OF-WEDLOCK**
 BRITISH COLUMBIA, 2011

Age of Father	Age of Mother (in Years)									Total	Percent
	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.		
< 15	2	2	-	-	-	-	-	-	-	4	0.0
15-19	1	288	72	4	-	-	-	-	-	365	0.8
20-24	1	459	1,647	439	78	23	1	-	-	2,648	6.0
25-29	-	139	2,065	5,081	1,320	191	18	2	-	8,816	20.0
30-34	-	29	750	4,430	7,136	1,254	95	4	-	13,698	31.1
35-39	-	5	200	1,300	4,325	3,751	366	11	-	9,958	22.6
40-44	-	4	81	371	1,187	1,971	697	29	-	4,340	9.9
45+	-	3	29	163	453	757	549	66	2	2,022	4.6
N.S.	2	231	548	561	419	282	84	13	-	2,140	4.9
TOTAL	6	1,160	5,392	12,349	14,918	8,229	1,810	125	2	43,991	
Percent	0.0	2.6	12.3	28.1	33.9	18.7	4.1	0.3	0.0		100.0
Out-of-Wedlock	6	1,058	3,217	3,456	2,664	1,567	415	24	-	12,407	

Note: Total percentage may not add up to 100 due to rounding.

Out-of-Wedlock - Indicates mother and father of child were not legally married to each other and excludes 637 cases where marital status was not stated.

Non-residents are excluded.

N.S. - Not stated.

TABLE 9
LIVE BIRTHS BY AGE OF MOTHER AND KIND OF BIRTH
 BRITISH COLUMBIA, 2011

Age of Mother	Kind of Birth				Total
	Single	Twin	Triplets+	N.S.	
< 15	6	-	-	-	6
15-19	1,146	14	-	-	1,160
20-24	5,301	91	-	-	5,392
25-29	12,055	282	12	-	12,349
30-34	14,460	455	3	-	14,918
35-39	7,821	396	12	-	8,229
40-44	1,710	100	-	-	1,810
45 +	107	18	-	-	125
N.S.	-	2	-	-	2
TOTAL	42,606	1,358	27	-	43,991

Note: For the multiple births that include stillbirths, only live births are shown.

Triplets+: included in this column are the live births from multiple births of three or more.

Non-residents are excluded.

N.S.- Not stated.

Vital Statistics Information Box

TOP 25 BABY NAMES IN 2011

Each year the British Columbia Vital Statistics Agency produces a list of the most chosen baby names. The table below provides the top 25 names. Alternate spellings of names that sound alike (such as Catherine, Katherine, and Katharine) are not combined. The complete 2011 list, as well as lists for several previous years can be found at <http://www.vs.gov.bc.ca/babynames>. In 2011, 648 boys' names and 756 girls' names were chosen for five or more newborns.

Baby Boys			Baby Girls	
Rank	Name	Number	Name	Number
1	Liam	261	Emma	255
2	Ethan	246	Olivia	244
3	Mason	238	Sophia	226
4	Lucas	218	Ava	203
5	Benjamin	208	Chloe	184
6	Jacob	199	Emily	180
7	Logan	190	Isabella	177
8	Nathan	188	Ella	144
9	Alexander	184	Abigail	140
10	Owen	184	Sophie	137
11	Noah	175	Hannah	129
12	James	169	Lily	129
13	Jack	165	Madison	124
14	Carter	160	Charlotte	112
15	Matthew	156	Brooklyn	111
16	William	152	Grace	106
17	Ryan	148	Avery	104
18	Samuel	148	Alexis	102
19	Jackson	142	Elizabeth	97
20	Oliver	142	Hailey	97
21	Joshua	133	Mia	93
22	Daniel	131	Amelia	90
23	Evan	127	Maya	90
24	Ryder	127	Claire	84
25	Jayden	124	Zoe	84

		2006–2010 Teenage Fertility Rate (15–19 yrs)			2011 ASFR ¹						TFR ²	
Local Health Area		Observed	ASFR ¹	(p)	15–19	20–24	25–29	30–34	35–39	40–44	Rate	(p)
001	Fernie	27	11.39		11.26	44.86	128.21	113.49	34.04	4.02	1,679.42	
002	Cranbrook	90	21.23	*	11.51	49.45	106.72	88.32	32.30	6.69	1,474.96	
003	Kimberley	16	12.94		-	26.72	116.40	92.11	48.69	14.08	1,489.99	
004	Windermere	16	9.81		20.41	34.88	55.23	67.25	38.78	5.93	1,112.46	*
005	Creston	54	27.04	*	24.79	60.74	133.57	77.74	34.13	5.80	1,683.85	
006	Kootenay Lake	2	3.80		-	16.81	64.52	40.82	30.53	7.75	802.13	*
007	Nelson	35	8.66		5.22	15.78	110.48	105.05	55.56	14.18	1,531.34	
009	Castlegar	8	3.80	*	8.97	46.56	98.90	153.85	28.71	4.08	1,705.34	
010	Arrow Lakes	5	7.60		-	41.32	69.44	66.67	-	6.58	920.06	*
011	Trail	38	11.50		12.94	42.43	123.97	173.08	61.30	4.88	2,093.01	*
012	Grand Forks	16	12.91		8.00	19.46	93.41	84.75	66.30	15.04	1,434.72	
013	Kettle Valley	3	7.33		-	27.40	70.18	61.73	21.05	-	901.77	*
014	Southern Okanagan	40	16.42	*	10.50	47.95	196.91	70.18	31.96	12.27	1,848.85	*
015	Penticton	75	12.72		13.12	39.80	102.90	93.61	41.15	5.15	1,478.66	
016	Keremeos	13	17.96		-	40.00	127.27	97.09	52.63	-	1,584.96	
017	Princeton	16	23.56	*	29.41	45.98	169.81	115.38	16.26	6.54	1,916.90	
018	Golden	9	8.27		4.59	21.46	78.51	104.90	63.64	3.79	1,384.39	
019	Revelstoke	19	14.59		16.95	41.38	86.36	133.33	57.61	-	1,678.19	
020	Salmon Arm	68	12.26		15.55	50.74	113.45	123.47	32.46	12.31	1,739.90	*
021	Armstrong - Spallumcheen	21	12.46		-	64.94	150.00	141.55	29.29	3.62	1,947.00	*
022	Vernon	136	12.94	*	14.38	51.03	137.86	93.75	46.28	4.83	1,740.62	*
023	Central Okanagan	291	10.51		6.70	33.95	91.06	103.32	40.99	7.57	1,417.90	
024	Kamloops	221	12.30	*	10.69	49.47	86.92	105.08	38.91	7.08	1,490.83	
025	100 Mile House	28	11.54		8.85	38.94	109.93	60.61	26.47	12.08	1,284.35	
026	North Thompson	14	17.70		14.71	48.19	19.42	84.21	16.39	7.30	951.10	*
027	Cariboo - Chilcotin	135	28.71	*	21.03	68.62	91.13	89.73	36.27	2.29	1,545.30	
028	Quesnel	100	23.76	*	22.97	65.12	112.48	88.92	19.01	2.49	1,554.97	
029	Lillooet	28	38.83	*	20.98	64.71	73.77	70.80	41.38	24.19	1,479.12	
030	South Cariboo	26	19.94	*	34.33	41.96	97.30	101.91	33.11	4.88	1,567.46	
031	Merritt	62	30.33	*	25.58	77.67	151.20	112.21	33.85	2.62	2,015.62	*
032	Hope	34	26.25	*	19.08	59.44	96.59	125.71	16.22	12.55	1,647.99	
033	Chilliwack	275	19.59	*	19.48	84.10	144.67	94.19	36.54	3.78	1,913.82	*
034	Abbotsford	294	12.97	*	9.07	51.06	125.65	97.46	43.31	6.62	1,665.81	*
035	Langley	155	6.79	*	6.77	34.05	110.95	128.72	59.73	11.11	1,756.72	*
037	Delta	59	3.26	*	2.74	16.81	81.37	143.30	74.30	9.14	1,638.32	*
038	Richmond	55	1.74	*	1.25	11.54	48.76	101.05	51.94	11.47	1,130.11	*
040	New Westminster	64	7.84	*	4.40	25.24	56.46	92.66	61.83	15.65	1,281.17	*
041	Burnaby	122	3.84	*	2.85	16.41	50.03	97.96	65.98	14.06	1,236.51	*
042	Maple Ridge	108	6.61	*	7.10	33.48	119.65	106.62	42.59	7.70	1,585.77	*
043	Coquitlam	130	3.47	*	3.10	16.28	58.14	112.78	75.25	13.22	1,393.83	
044	North Vancouver	49	2.20	*	2.26	8.98	41.55	113.19	90.68	18.03	1,373.45	
045	West Vancouver-Bowen Is.	22	2.23	*	1.40	4.23	39.79	150.25	74.71	14.37	1,423.75	
046	Sunshine Coast	43	9.70		8.25	43.48	185.98	111.73	52.49	5.05	2,034.95	*
047	Powell River	34	11.18		9.97	31.30	114.22	102.30	31.94	10.19	1,499.54	
048	Howe Sound	59	12.46		13.53	32.67	62.41	100.29	90.47	14.36	1,568.66	*
049	Bella Coola Valley	31	64.85	*	48.78	105.77	117.02	108.11	20.83	10.00	2,052.56	
050	Queen Charlotte	13	18.71		7.09	71.43	172.41	119.40	66.23	13.51	2,250.38	*
051	Snow Country	2	22.22		-	153.85	62.50	142.86	-	-	1,796.02	
052	Prince Rupert	107	37.02	*	31.56	56.86	112.98	127.22	41.84	11.83	1,911.45	*
053	Upper Skeena	45	37.50	*	42.45	88.11	128.57	121.95	18.63	17.34	2,085.28	*
054	Smithers	69	21.40	*	13.22	66.13	119.16	113.95	61.98	12.77	1,936.11	*
055	Burns Lake	34	22.30	*	9.84	62.04	169.90	89.55	24.63	8.73	1,823.50	*
056	Nechako	103	37.39	*	24.53	122.33	192.41	102.40	41.04	8.85	2,457.77	*
057	Prince George	357	21.02	*	19.91	67.02	93.18	88.48	38.11	5.86	1,562.82	*
059	Peace River South	129	25.51	*	21.45	89.99	142.53	94.94	26.38	3.19	1,892.47	*
060	Peace River North	208	33.41	*	20.85	142.08	148.36	100.72	40.42	8.33	2,303.81	*
061	Greater Victoria	218	7.38	*	7.82	17.77	38.41	81.37	58.71	11.00	1,075.46	*
062	Sooke	98	9.05		8.06	58.03	131.84	89.18	49.81	9.86	1,733.92	*
063	Saanich	73	7.21	*	7.63	18.94	67.82	146.27	61.75	8.61	1,555.10	
064	Gulf Islands	12	6.20	*	2.64	16.53	112.97	86.26	43.84	11.82	1,370.28	
065	Cowichan	197	18.93	*	13.63	45.55	142.52	102.05	38.08	11.48	1,766.50	*
066	Lake Cowichan	14	12.72		4.44	26.43	120.00	83.83	18.63	-	1,266.71	
067	Ladysmith	50	18.08	*	18.63	58.05	123.89	119.59	33.49	1.75	1,777.07	*
068	Nanaimo	207	12.90	*	12.36	41.70	91.74	97.25	47.67	10.31	1,505.15	
069	Qualicum	40	6.93	*	10.23	30.69	96.92	103.40	47.84	9.17	1,491.23	
070	Alberni	168	33.60	*	34.09	90.54	110.73	90.61	37.90	5.37	1,846.24	*
071	Courtenay	96	9.51		10.46	44.97	133.23	95.09	46.11	6.16	1,680.10	*
072	Campbell River	119	16.95	*	18.71	64.54	145.01	94.20	42.60	6.79	1,859.29	*
075	Mission	101	13.29	*	9.37	51.69	140.12	106.69	36.91	12.90	1,788.38	*
076	Agassiz - Harrison	47	32.44	*	27.68	78.85	140.27	80.97	19.69	11.15	1,793.08	
077	Summerland	15	7.49	*	-	42.02	134.15	147.37	32.92	3.10	1,797.75	
078	Enderby	27	20.67	*	12.45	47.24	155.44	139.24	31.25	4.81	1,952.15	*
080	Kitimat	44	22.99	*	31.55	60.77	100.84	89.93	27.97	-	1,555.30	
081	Fort Nelson	51	52.69	*	32.41	147.37	88.65	58.82	15.15	8.77	1,755.88	
083	Central Coast	17	51.99	*	84.75	200.00	90.91	127.66	37.74	27.03	2,840.39	*
084	Vancouver Island West	19	48.59	*	69.44	160.71	111.11	162.16	36.36	-	2,698.98	*
085	Vancouver Island North	89	40.33	*	28.57	81.02	161.62	101.54	50.15	8.20	2,155.44	*
087	Stikine	2	15.75		41.67	-	83.33	31.25	27.78	-	920.14	
088	Terrace	120	29.15	*	24.51	77.02	147.47	105.36	38.17	4.04	1,982.88	*
092	Nisga'a	38	85.78	*	65.22	119.40	115.38	89.29	13.70	14.93	2,089.57	
094	Telegraph Creek	5	32.89		-	52.63	43.48	62.50	111.11	-	1,348.60	
161	Vancouver - City Centre	15	2.71	*	0.98	10.60	19.70	47.71	46.33	15.03	701.84	*
162	Vancouver - Dwytn E. side	65	12.24	*	3.52	24.44	32.72	60.79	57.72	14.31	967.52	*
163	Vancouver - North East	84	6.01	*	5.03	18.25	48.33	94.50	66.89	13.44	1,232.19	*
164	Vancouver - Westside	21	1.06	*	0.70	3.97	23.81	83.36	68.66	17.01	987.56	*
165	Vancouver - Midtown	44	4.72	*	1.80	12.20	39.31	82.98	73.86	18.90	1,145.28	*
166	Vancouver - South	94	4.76	*	2.74	16.99	55.80	87.21	60.49	14.39	1,188.13	*
201	Surrey	584	9.33	*	7.83	47.37	118.59	117.72	58.75	10.97	1,806.16	*
202	South Surrey/White Rock	32	2.57	*	1.70	18.08	85.37	147.55	78.42	13.87	1,724.95	*
PROVINCIAL TOTAL		7,022	10.21		8.52	34.15	76.77	97.90	55.30	11.05	1,418.44	

Notes for this table follow the map.

FIGURE 29
LIVE BIRTH TEENAGE FERTILITY RATES BY LOCAL HEALTH AREA
 BRITISH COLUMBIA, 2006-2010

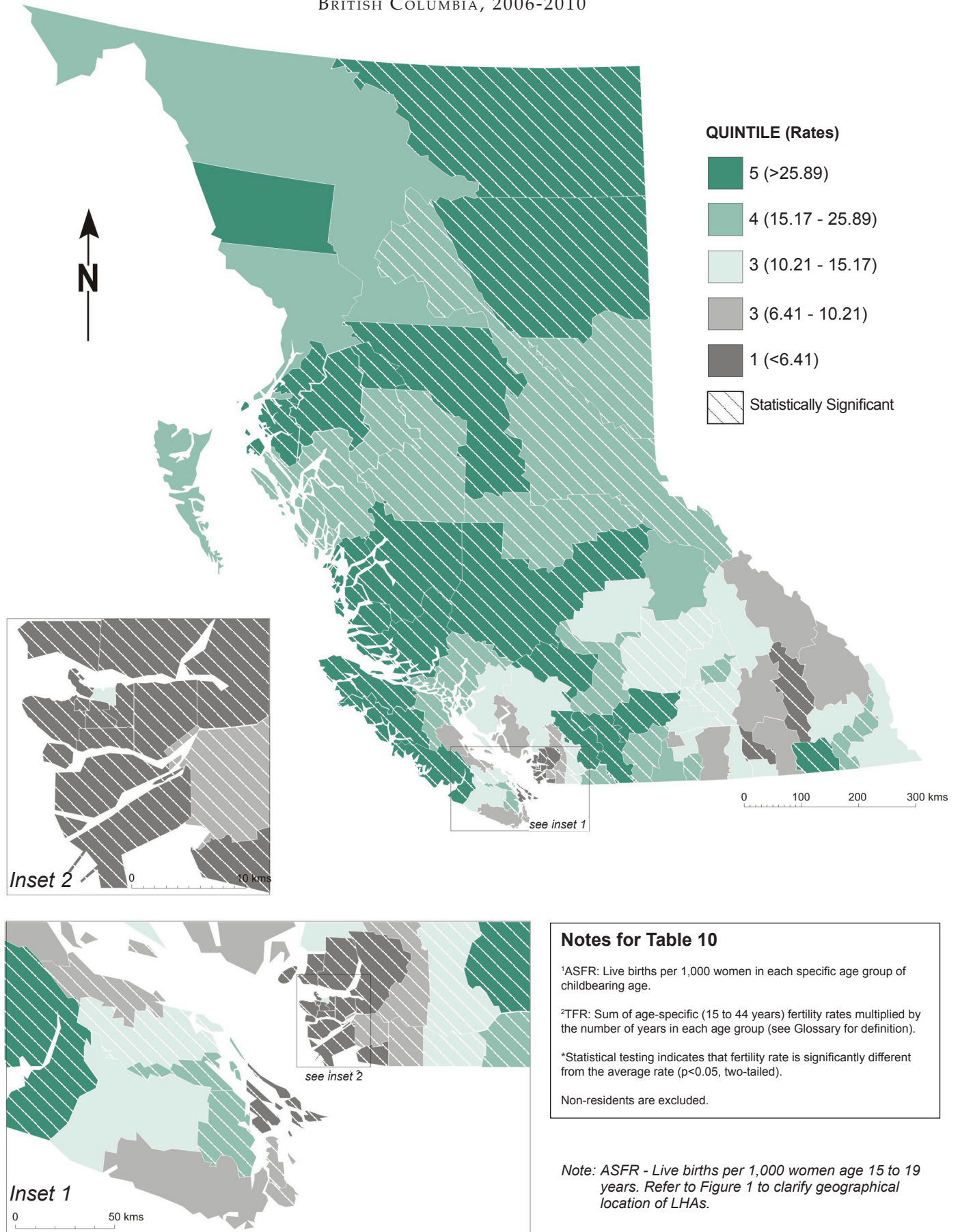


TABLE 11
LIVE BIRTHS BY MODE OF DELIVERY AND AGE OF MOTHER
 BRITISH COLUMBIA, 2011

Mode of Delivery	Age of Mother (in Years)									Total
	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.	
Spontaneous vertex	5	812	3,626	7,640	8,553	4,302	826	35	1	25,800
Percent	83.3	70.0	67.2	61.9	57.3	52.3	45.6	28.0	50.0	58.6
Spontaneous breech	-	4	14	39	54	29	2	3	1	146
Percent	0.0	0.3	0.3	0.3	0.4	0.4	0.1	2.4	50.0	0.3
Forceps	1	32	133	398	563	263	60	3	-	1,453
Percent	16.7	2.8	2.5	3.2	3.8	3.2	3.3	2.4	-	3.3
Vacuum	-	86	358	821	945	453	93	3	-	2,759
Percent	0.0	7.4	6.6	6.6	6.3	5.5	5.1	2.4	-	6.3
First cesarean	-	208	937	2,321	2,797	1,685	453	52	-	8,453
Percent	0.0	17.9	17.4	18.8	18.7	20.5	25.0	41.6	-	19.2
Repeat cesarean	-	18	324	1,128	2,006	1,496	376	29	-	5,377
Percent	0.0	1.6	6.0	9.1	13.4	18.2	20.8	23.2	-	12.2
N.S.	-	-	-	2	-	1	-	-	-	3
TOTAL	6	1,160	5,392	12,349	14,918	8,229	1,810	125	2	43,991
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Note: Breech presentations may be coded to forceps, vacuum, first cesarean or repeat cesarean mode of delivery, as well as spontaneous breech. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. N.S. - Not stated.



Vital Statistics Information Box

PLACE OF BIRTH FOR MIDWIFE ASSISTED BIRTHS BRITISH COLUMBIA, 2007-2011

The College of Midwives of British Columbia was established in 1995, and the first midwives were registered to practice in 1998. The Vital Statistics Agency implemented procedures to identify births delivered by registered midwives in 1998, and, by 1999, could identify all midwife assisted births. The table below shows the place of birth for midwife assisted births in the province from 2007 to 2011.

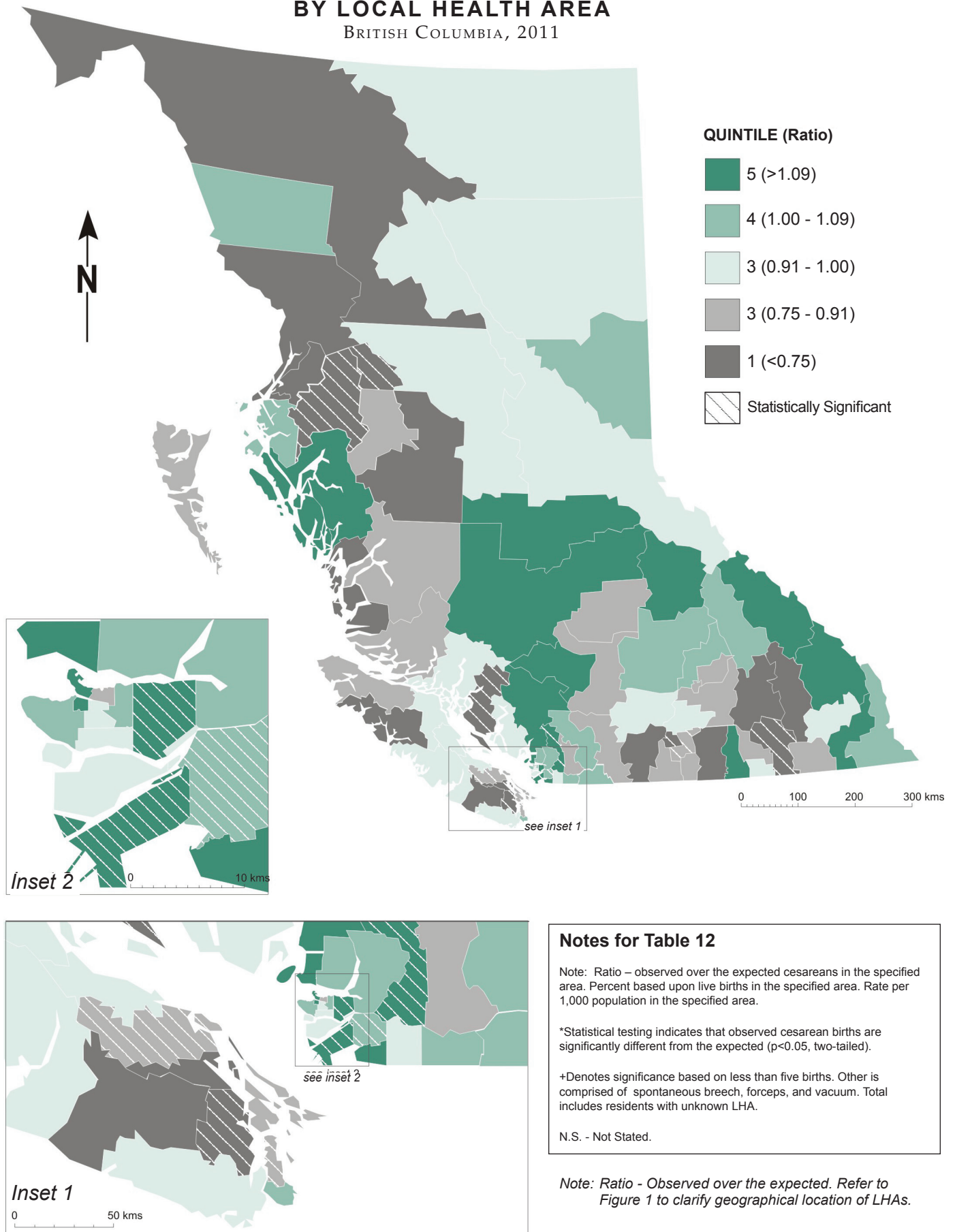
Place of Birth	2007		2008		2009		2010		2011	
	No.	%	No.	%	No.	%	No.	%	No.	%
Hospital	2053	75.6	2509	76.2	2,944	75.9	3394	77.3	3791	77.0
Home	647	23.8	726	22.1	856	22.1	916	20.9	1057	21.5
Other & unknown*	16	0.6	57	1.7	77	2.0	83	1.9	76	1.5
Midwife Assisted Births	2,716	100.0	3,292	100.0	3,877	100.0	4,393	100	4,924	100.0
Percent of Total Births Delivered by Registered Midwives	6.2		7.5		8.6		10.1		11.2	

Note: *Other and unknown includes birthing clinics.

45		Spontaneous	Cesarean						Other	N.S.	Total Live Births	
Local Health Area			Vertex	First	Repeat	Total	Expected	Ratio (p)			Percent	Number
001	Fernie	79	30	21	51	48.73	1.05	32.9	25	-	155	10.23
002	Cranbrook	140	51	26	77	70.42	1.09	34.4	7	-	224	8.72
003	Kimberley	46	14	6	20	21.06	0.95	29.9	1	-	67	7.78
004	Windermere	41	21	8	29	24.21	1.20	37.7	7	-	77	7.09
005	Creston	75	18	11	29	34.27	0.85	26.6	5	-	109	8.46
006	Kootenay Lake	11	1	1	2	4.72	0.42	13.3	2	-	15	3.81
007	Nelson	161	30	19	49	72.31	0.68	21.3	20	-	230	9.04
009	Castlegar	85	16	15	31	39.93	0.78	24.4	11	-	127	9.30
010	Arrow Lakes	15	2	-	2	5.66	0.35	11.1	1	-	18	3.70
011	Trail	130	40	19	59	64.45	0.92	28.8	16	-	205	10.62
012	Grand Forks	33	14	7	21	17.29	1.21	38.2	1	-	55	6.24
013	Kettle Valley	10	-	3	3	4.09	0.73	23.1	-	-	13	3.49
014	Southern Okanagan	72	17	16	33	39.30	0.84	26.4	20	-	125	6.44
015	Penticton	197	40	42	82	101.86	0.81	25.3	45	-	324	7.83
016	Keremeos	20	3	4	7	8.80	0.80	25.0	1	-	28	5.34
017	Princeton	18	5	-	5	9.12	0.55	17.2	6	-	29	5.43
018	Golden	36	17	12	29	22.01	1.32	41.4	5	-	70	9.52
019	Revelstoke	48	16	10	26	25.46	1.02	32.1	7	-	81	10.14
020	Salmon Arm	170	45	49	94	89.28	1.05	33.1	20	-	284	8.14
021	Armstrong - Spallumcheen	59	9	13	22	27.98	0.79	24.7	8	-	89	9.29
022	Vernon	380	93	72	165	181.71	0.91	28.5	33	-	578	8.78
023	Central Okanagan	1,001	301	206	507	515.90	0.98	30.9	133	-	1,641	8.77
024	Kamloops	616	182	143	325	321.30	1.01	31.8	81	-	1,022	9.15
025	100 Mile House	56	12	12	24	27.98	0.86	27.0	9	-	89	5.95
026	North Thompson	14	8	2	10	7.55	1.33	41.7	-	-	24	5.59
027	Cariboo - Chilcotin	151	51	38	89	81.74	1.09	34.2	20	-	260	9.68
028	Quesnel	130	47	32	79	70.11	1.13	35.4	14	-	223	9.27
029	Lillooet	24	7	8	15	12.58	1.19	37.5	1	-	40	8.78
030	South Cariboo	44	8	7	15	19.18	0.78	24.6	2	-	61	8.15
031	Merritt	85	20	20	40	41.50	0.96	30.3	7	-	132	11.44
032	Hope	46	11	8	19	21.38	0.89	27.9	3	-	68	8.32
033	Chilliwack	622	185	145	330	323.50	1.02	32.1	76	1	1,029	11.75
034	Abbotsford	1,006	355	201	556	544.82	1.02	32.1	170	1	1,733	12.43
035	Langley	912	261	181	442	462.14	0.96	30.1	116	-	1,470	11.09
037	Delta	453	163	143	306	266.91	1.15	36.0	90	-	849	8.40
038	Richmond	926	270	206	476	498.30	0.96	30.0	183	-	1,585	8.02
040	New Westminster	415	157	65	222	224.15	0.99	31.1	76	-	713	10.50
041	Burnaby	1,227	547	248	795	715.85	1.11	34.9	255	-	2,277	9.92
042	Maple Ridge	513	222	120	342	297.09	1.15	36.2	90	-	945	9.83
043	Coquitlam	1,166	427	274	701	658.63	1.06	33.5	227	1	2,095	9.40
044	North Vancouver	716	271	156	427	393.29	1.09	34.1	108	-	1,251	8.77
045	West Vancouver-Bowen Is.	144	55	40	95	81.43	1.17	36.7	20	-	259	4.89
046	Sunshine Coast	122	35	27	62	67.28	0.92	29.0	30	-	214	7.05
047	Powell River	100	14	13	27	43.70	0.62	19.4	12	-	139	6.90
048	Howe Sound	271	112	54	166	150.90	1.10	34.6	43	-	480	13.04
049	Bella Coola Valley	26	6	3	9	11.63	0.77	24.3	2	-	37	12.56
050	Queen Charlotte	42	7	7	14	18.23	0.77	24.1	2	-	58	12.55
051	Snow Country	4	-	-	-	1.26	-	-	-	-	4	7.34
052	Prince Rupert	98	27	25	52	52.19	1.00	31.3	16	-	166	11.59
053	Upper Skeena	51	7	4	11	21.38	0.51	16.2	6	-	68	12.52
054	Smithers	127	26	19	45	58.48	0.77	24.2	14	-	186	11.44
055	Burns Lake	60	9	9	18	25.15	0.72	22.5	2	-	80	10.06
056	Nechako	137	29	38	67	68.54	0.98	30.7	14	-	218	14.37
057	Prince George	692	184	121	305	328.53	0.93	29.2	48	-	1,045	10.73
059	Peace River South	205	54	57	111	108.78	1.02	32.1	30	-	346	12.40
060	Peace River North	408	98	81	179	193.97	0.92	29.0	30	-	617	17.17
061	Greater Victoria	1,074	350	213	563	555.51	1.01	31.9	130	-	1,767	7.91
062	Sooke	511	134	118	252	253.71	0.99	31.2	44	-	807	11.36
063	Saanich	275	56	40	96	124.81	0.77	24.2	26	-	397	6.21
064	Gulf Islands	60	13	7	20	26.09	0.77	24.1	3	-	83	5.12
065	Cowichan	388	70	48	118	168.19	0.70	22.1	29	-	535	9.22
066	Lake Cowichan	29	4	3	7	12.26	0.57	17.9	3	-	39	6.03
067	Ladysmith	99	20	14	34	45.90	0.74	23.3	13	-	146	7.76
068	Nanaimo	626	146	99	245	302.12	0.81	25.5	90	-	961	9.09
069	Qualicum	141	42	26	68	74.19	0.92	28.8	27	-	236	5.21
070	Alberni	198	60	47	107	107.52	1.00	31.3	37	-	342	10.80
071	Courtenay	341	90	61	151	165.05	0.91	28.8	33	-	525	8.10
072	Campbell River	224	74	49	123	123.55	1.00	31.3	46	-	393	9.37
075	Mission	297	73	60	133	149.33	0.89	28.0	45	-	475	11.17
076	Agassiz - Harrison	51	16	14	30	27.98	1.07	33.7	8	-	89	9.84
077	Summerland	47	8	5	13	23.26	0.56	17.6	14	-	74	6.49
078	Enderby	50	14	6	20	22.95	0.87	27.4	3	-	73	9.54
080	Kitimat	48	19	15	34	27.98	1.22	38.2	7	-	89	8.76
081	Fort Nelson	55	12	13	25	26.72	0.94	29.4	5	-	85	13.22
083	Central Coast	25	3	2	5	9.75	0.51	16.1	1	-	31	20.79
084	Vancouver Island West	22	4	1	5	8.80	0.57	17.9	1	-	28	12.12
085	Vancouver Island North	89	22	15	37	46.53	0.80	25.0	22	-	148	12.04
087	Stikine	5	1	-	1	1.89	0.53	16.7	-	-	6	6.28
088	Terrace	191	27	13	40	75.45	0.53	16.7	9	-	240	11.62
092	Nisga'a	21	1	3	4	8.49	0.47	14.8	2	-	27	13.80
094	Telegraph Creek	4	2	-	2	1.89	1.06	33.3	-	-	6	8.46
161	Vancouver - City Centre	512	301	62	363	327.90	1.11	34.8	168	-	1,043	8.61
162	Vancouver - Dwntrwn E.Side	350	132	43	175	192.72	0.91	28.5	88	-	613	8.59
163	Vancouver - North East	537	229	112	341	325.07	1.05	33.0	156	-	1,034	9.72
164	Vancouver - Westside	609	233	125	358	350.22	1.02	32.1	147	-	1,114	8.09
165	Vancouver - Midtown	575	227	93	320	326.96	0.98	30.8	145	-	1,040	10.84
166	Vancouver - South	668	223	155	378	384.80	0.98	30.9	178	-	1,224	8.99
201	Surrey	2,873	1,060	760	1,820	1,680.37	1.08	34.1	652	-	5,345	13.21
202	South Surrey/White Rock	369	137	88	225	204.03	1.10	34.7	55	-	649	7.34
PROVINCIAL TOTAL		25,800	8,453	5,377	13,830	13,830.00	1.00	31.4	4,358	3	43,991	9.62

Notes for this table follow the map.

FIGURE 30
**CESAREAN DELIVERIES OF LIVE BORN INFANTS
 BY LOCAL HEALTH AREA**
 BRITISH COLUMBIA, 2011



Births – Birth Weight

Birth weight is recognized as a primary indicator of newborn health not only in BC and Canada but worldwide. It is also an important predictor of subsequent health and well being, as well as disability and death, among newborn infants. In BC, a baby is weighed (in grams) immediately after birth, and that weight is used as one of the diagnostic indicators of fetal growth.

The following tables show birth weight categorized by other indicators related to birth weight, such as gender, gestational age, and maternal age.

Babies born at term (37 to 41 weeks) and between 2,500 and 4,499 grams have been shown to have the most favourable prospects for good health. Table 13 indicates that 39,088 births or 88.9 percent of all live births in 2011 were in that category. There were 3,188 pre-term births (less than 37 weeks), which accounted for 7.2 percent of all live births.

Table 14 shows the number of live births to residents of BC in 2011 according to maternal age group and infant birth weight category. By far, most of the babies in each age group had healthy weights (from 2,500 to 4,499 grams).

Table 14 shows that mothers in the mid-age categories had the largest proportions of healthy weight babies and the lowest proportions of Low Birth Weight (LBW) babies (weighing less than 2,500 grams).

Table 15 displays the number and percent of LBW babies by gender according to the mother's age group. Female babies have a higher rate of LBW (59.11 per 1,000 female live births) than males (53.25 per 1,000 male live births).

Figure 31 graphically shows the pattern of LBW by maternal age groups. Women in the middle age groups had the lowest rates of LBW babies in 2011 with increasing rates in subsequent age groups. Older mothers not only have increased rates of LBW babies but the rate among older mothers has shown an increasing trend since 1986 as indicated in Figure 10.

Table 16 shows the incidence of LBW babies in the period 2006 to 2010 and the year 2011, stratified by the LHA of maternal residence for the whole province. As well as the incidence of such births, the 2006 to 2010 portion of the table shows the LBW rate per 1,000 live births and the ratio of the observed and expected number of LBW births in the LHA.

There were 14 LHAs with ratios that were statistically significant. Of these, 6 were high. The 2011 data show the incidence figures broken down by three categories: gestational age of the newborn, the total number of LBW births, and the rate. In some LHAs the number of LBW babies was quite low in 2011, so the rates should be interpreted with caution.

Figure 32 shows BC LHAs displayed in five levels according to the 2006 to 2010 observed versus expected LBW ratio. High ratios (Quintile 5, dark green colour) mean that an LHA had quite a high ratio in the years 2006 to 2010. At the other extreme, the areas shown as dark grey had a relatively low ratio.

TABLE 13
LIVE BIRTHS BY BIRTH WEIGHT, GENDER, AND GESTATIONAL AGE
 BRITISH COLUMBIA, 2011

Birth Weight (in Grams)	Gender		Gestational Age (in Weeks)						Total
	Male	Female	<20	20-27	28-36	37-41	42+	N.S.	
<500	16	18	5	27	-	2	-	-	34
500-749	24	28	-	46	6	-	-	-	52
750-999	37	37	-	48	26	-	-	-	74
1,000-1,249	49	44	-	20	70	3	-	-	93
1,250-1,499	61	71	-	6	123	3	-	-	132
1,500-1,749	92	102	-	2	183	9	-	-	194
1,750-1,999	156	166	-	-	292	30	-	-	322
2,000-2,249	281	267	-	-	420	128	-	-	548
2,250-2,499	486	533	-	-	508	511	-	-	1,019
2,500-2,749	964	1,215	-	-	550	1,629	-	-	2,179
2,750-2,999	1,989	2,525	-	-	410	4,094	10	-	4,514
3,000-3,249	3,316	3,946	-	-	250	6,991	21	-	7,262
3,250-3,499	4,379	4,458	-	-	102	8,701	34	-	8,837
3,500-3,749	4,244	3,690	-	-	48	7,842	44	-	7,934
3,750-3,999	3,237	2,334	-	-	23	5,488	60	-	5,571
4,000-4,249	1,840	1,247	-	-	11	3,032	44	-	3,087
4,250-4,499	883	474	-	-	6	1,311	40	-	1,357
4,500-4,749	319	179	-	-	2	486	10	-	498
4,750-4,999	120	47	-	-	1	163	3	-	167
5,000-5,249	42	12	-	-	1	52	1	-	54
5,250-5,499	14	7	-	-	-	21	-	-	21
5,500+	4	3	-	-	-	7	-	-	7
N.S.	20	15	2	-	-	-	-	33	35
TOTAL	22,573	21,418	7	149	3,032	40,503	267	33	43,991

Note: Non-residents are excluded. N.S. – Not stated.



TABLE 14
LIVE BIRTHS BY BIRTH WEIGHT AND AGE OF MOTHER
 BRITISH COLUMBIA, 2011

Birth Weight (in Grams)	Age of Mother (in Years)									Total
	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.	
<500	-	2	3	10	14	2	1	2	-	34
500-749	-	2	10	12	16	9	3	-	-	52
750-999	-	3	4	18	16	21	12	-	-	74
1,000-1,249	-	1	13	25	29	22	3	-	-	93
1,250-1,499	-	3	14	31	45	30	9	-	-	132
1,500-1,749	-	5	17	41	60	56	14	1	-	194
1,750-1,999	-	8	34	92	109	64	13	2	-	322
2,000-2,249	-	19	55	121	168	146	34	5	-	548
2,250-2,499	-	24	121	286	316	215	52	4	1	1,019
2,500-2,749	-	58	248	577	771	401	108	16	-	2,179
2,750-2,999	1	139	553	1,297	1,490	827	193	14	-	4,514
3,000-3,249	3	172	879	2,033	2,506	1,337	314	18	-	7,262
3,250-3,499	2	215	1,108	2,499	2,991	1,637	357	27	1	8,837
3,500-3,749	-	215	970	2,284	2,668	1,490	290	17	-	7,934
3,750-3,999	-	145	668	1,584	1,932	1,017	213	12	-	5,571
4,000-4,249	-	89	424	836	1,072	549	114	3	-	3,087
4,250-4,499	-	43	168	367	478	255	45	1	-	1,357
4,500-4,749	-	11	60	162	149	98	18	-	-	498
4,750-4,999	-	1	28	44	50	36	5	3	-	167
5,000-5,249	-	2	9	14	20	4	5	-	-	54
5,250-5,499	-	2	4	5	4	4	2	-	-	21
5,500+	-	-	-	3	1	2	1	-	-	7
Low	-	67	271	636	773	565	141	14	1	2,468
Percent	-	5.8	5.0	5.2	5.2	6.9	7.8	11.2	50.0	5.6
Healthy	6	1,076	5,018	11,477	13,908	7,513	1,634	108	1	40,741
Percent	100.0	92.8	93.1	92.9	93.2	91.3	90.3	86.4	50.0	92.6
High	-	16	101	228	224	144	31	3	-	747
Percent	-	1.4	1.9	1.8	1.5	1.7	1.7	2.4	-	1.7
N.S.	-	1	2	8	13	7	4	-	-	35
TOTAL	6	1,160	5,392	12,349	14,918	8,229	1,810	125	2	43,991

Note: Low birth weight <2,500 grams. Healthy birth weight 2,500 to 4,499 grams. High birth weight 4,500+ grams. Percent of age category in birth weight group. Non-residents are excluded. N.S. - Not stated.



TABLE 15
LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER AND GENDER
 BRITISH COLUMBIA, 2011

Age of Mother	Male		Female		Total		
	Number	Percent	Number	Percent	Number	Percent	Rate
< 15	-	-	-	-	-	-	-
15-19	35	2.9	32	2.5	67	2.7	57.76
20-24	137	11.4	134	10.6	271	11.0	50.26
25-29	315	26.2	321	25.4	636	25.8	51.50
30-34	374	31.1	399	31.5	773	31.3	51.82
35-39	271	22.5	294	23.2	565	22.9	68.66
40-44	63	5.2	78	6.2	141	5.7	77.90
45 +	6	0.5	8	0.6	14	0.6	112.00
N.S.	1	0.1	-	-	1	0.0	+
TOTAL	1,202	100.0	1,266	100.0	2,468	100.0	56.10

Note: Rate per 1,000 live births for the specified age group.

Low birth weight: birth weight less than 2,500 grams.

Total percentage may not add up to 100 due to rounding. Total includes unknown gender.

+ Denotes the number of cases is less than five

Non-residents are excluded. N.S. – Not stated.

FIGURE 31
LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER
 BRITISH COLUMBIA, 2011

Rate per 1,000 Live Births

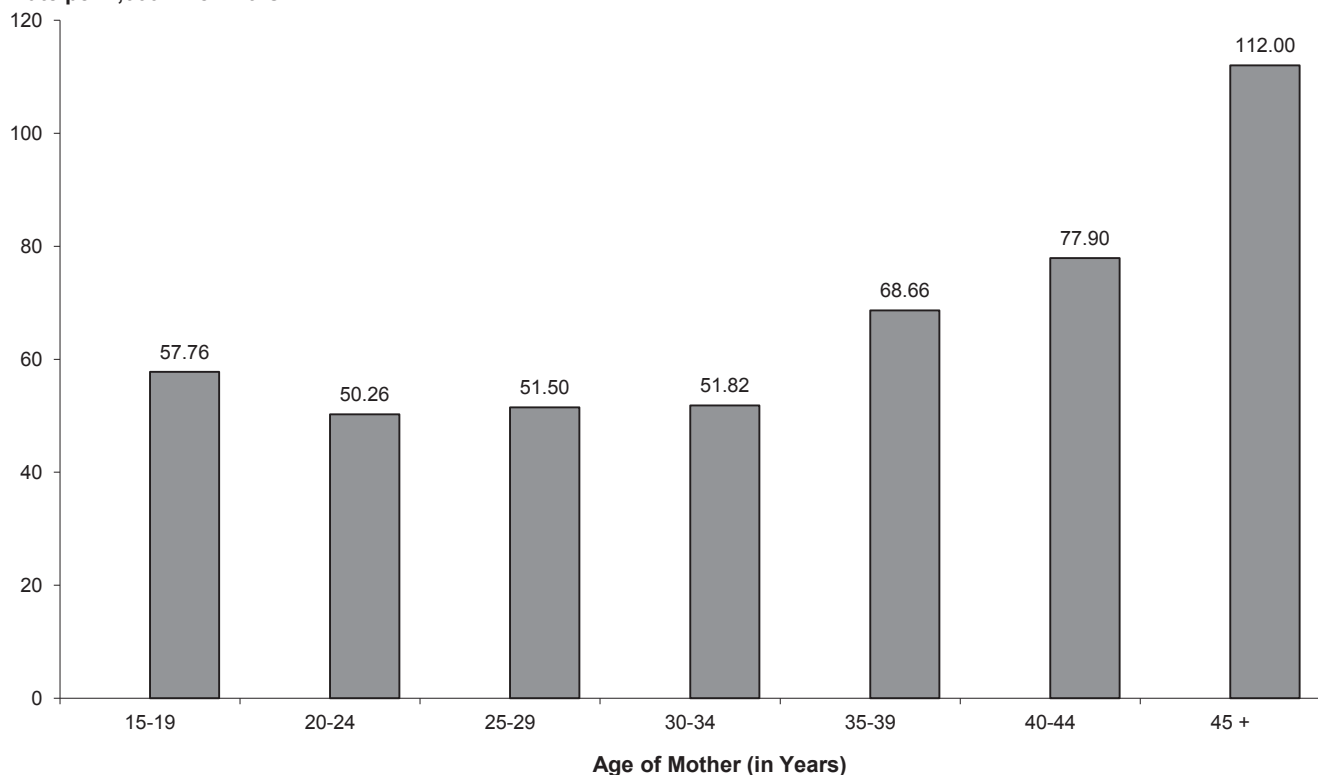


Table 16

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA AND GESTATIONAL AGE,
BRITISH COLUMBIA, 2006–2010 AND 2011

51	Local Health Area	2006–2010				2011					
		Low Birth Weight Live Births				Gestational Age (in Weeks)				Total	Rate
		Observed	Ratio	(p)	Rate	<37	37–41	42+	N.S.		
001	Fernie	33	0.81		44.84	1	1	-	-	2	12.90
002	Cranbrook	76	1.07		59.14	6	5	-	-	11	49.11
003	Kimberley	27	1.23		68.35	2	3	-	-	5	74.63
004	Windermere	35	1.40		77.95	2	3	-	-	5	64.94
005	Creston	38	1.18		65.40	4	1	-	-	5	45.87
006	Kootenay Lake	5	0.70		39.06	-	-	-	-	-	-
007	Nelson	61	0.93		51.87	2	5	-	-	7	30.43
009	Castlegar	22	0.82		45.74	3	2	-	-	5	39.37
010	Arrow Lakes	6	0.67		37.04	-	-	-	-	-	-
011	Trail	44	0.98		54.12	9	5	-	-	14	68.29
012	Grand Forks	15	0.92		51.02	8	2	-	-	10	181.82
013	Kettle Valley	5	0.83		46.30	-	-	-	-	-	-
014	Southern Okanagan	51	1.43	*	79.32	3	3	-	-	6	48.00
015	Penticton	79	0.86		47.85	14	2	-	-	16	49.38
016	Keremeos	9	0.83		45.92	-	-	-	-	-	-
017	Princeton	19	2.38	*	131.94	1	-	-	-	1	34.48
018	Golden	18	0.94		52.33	-	3	-	-	3	42.86
019	Revelstoke	19	0.86		47.50	3	1	-	-	4	49.38
020	Salmon Arm	61	0.83		46.00	12	6	-	-	18	63.38
021	Armstrong - Spallumcheen	19	0.77		42.79	1	-	-	-	1	11.24
022	Vernon	142	0.90		50.19	28	9	-	-	37	64.01
023	Central Okanagan	393	0.88	*	49.04	65	19	-	-	84	51.19
024	Kamloops	297	1.04		57.64	42	10	-	-	52	50.88
025	100 Mile House	30	1.06		59.06	8	-	-	-	8	89.89
026	North Thompson	17	1.39		76.92	-	-	-	-	-	-
027	Cariboo - Chilcotin	80	1.00		55.48	15	4	-	-	19	73.08
028	Quesnel	77	1.10		61.21	15	1	-	-	16	71.75
029	Lillooet	13	1.02		56.52	2	-	-	-	2	50.00
030	South Cariboo	25	1.49		82.51	1	-	-	-	1	16.39
031	Merritt	25	0.75		41.88	8	5	-	-	13	98.48
032	Hope	18	0.92		50.99	3	-	-	-	3	44.12
033	Chilliwack	237	0.84	*	46.61	28	5	-	-	33	32.07
034	Abbotsford	452	0.95		52.66	73	30	-	-	103	59.43
035	Langley	359	0.94		52.07	58	14	-	-	72	48.98
037	Delta	251	1.05		58.44	40	17	-	-	57	67.14
038	Richmond	456	0.97		53.79	56	32	-	-	88	55.52
040	New Westminster	215	1.12		62.30	27	12	-	-	39	54.70
041	Burnaby	618	0.99		54.75	96	42	-	-	138	60.61
042	Maple Ridge	269	1.01		55.86	33	17	-	-	50	52.91
043	Coquitlam	630	1.07		59.28	82	25	-	-	107	51.07
044	North Vancouver	322	0.96		53.37	56	21	-	-	77	61.55
045	West Vancouver-Bowen Is.	63	0.84		46.63	9	4	-	-	13	50.19
046	Sunshine Coast	46	0.77		42.87	5	2	-	-	7	32.71
047	Powell River	32	0.83		46.04	3	3	-	-	6	43.17
048	Howe Sound	112	0.87		48.21	15	7	-	-	22	45.83
049	Bella Coola Valley	19	1.62		90.05	1	1	-	-	2	54.05
050	Queen Charlotte	7	0.58		32.41	-	-	-	-	-	-
051	Snow Country	2	1.72		95.24	2	-	-	-	2	500.00
052	Prince Rupert	39	0.76		42.03	4	1	-	-	5	30.12
053	Upper Skeena	13	0.73		40.75	3	2	-	-	5	73.53
054	Smithers	50	0.83		46.21	1	-	-	-	1	5.38
055	Burns Lake	23	0.99		54.89	3	1	-	-	4	50.00
056	Nechako	52	0.86		47.62	7	1	-	-	8	36.70
057	Prince George	306	1.00		55.50	30	19	-	-	49	46.89
059	Peace River South	68	0.74	*	41.09	13	5	-	-	18	52.02
060	Peace River North	126	0.77	*	42.51	19	13	-	-	32	51.86
061	Greater Victoria	443	0.88	*	49.09	69	24	-	-	93	52.63
062	Sooke	170	0.85	*	47.13	30	9	-	-	39	48.33
063	Saanich	114	1.05		58.34	23	8	-	-	31	78.09
064	Gulf Islands	22	0.87		48.25	2	1	-	-	3	36.14
065	Cowichan	151	1.00		55.51	24	9	-	-	33	61.68
066	Lake Cowichan	5	0.44		24.51	5	2	-	-	7	179.49
067	Ladysmith	42	1.05		58.17	8	4	-	-	12	82.19
068	Nanaimo	234	0.93		51.62	27	4	-	-	31	32.26
069	Qualicum	62	0.88		49.01	4	4	-	-	8	33.90
070	Alberni	92	0.99		54.66	17	5	-	-	22	64.33
071	Courtenay	117	0.84		46.54	14	5	-	-	19	36.19
072	Campbell River	103	0.95		52.96	11	6	-	-	17	43.26
075	Mission	100	0.78	*	43.50	20	8	-	-	28	58.95
076	Agassiz - Harrison	28	1.05		58.21	8	1	-	-	9	101.12
077	Summerland	20	0.98		54.35	8	-	-	-	8	108.11
078	Enderby	12	0.57	*	31.66	4	-	-	-	4	54.79
080	Kitimat	18	0.70		38.71	4	2	-	-	6	67.42
081	Fort Nelson	21	0.79		43.84	6	3	-	-	9	105.88
083	Central Coast	4	0.51		28.57	1	-	-	-	1	32.26
084	Vancouver Island West	3	0.49		27.03	2	-	-	-	2	71.43
085	Vancouver Island North	41	0.96		53.46	5	-	-	-	5	33.78
087	Stikine	3	1.80		100.00	1	-	-	-	1	166.67
088	Terrace	68	1.00		55.37	6	-	-	-	6	25.00
092	Nisga'a	8	0.77		42.78	-	-	-	-	-	-
094	Telegraph Creek	-	-		-	1	-	-	-	1	166.67
161	Vancouver - City Centre	268	0.99		54.93	45	22	-	-	67	64.24
162	Vancouver - Dwn'twn E.side	146	1.08		59.81	27	8	-	-	35	57.10
163	Vancouver - North East	347	1.15	*	63.70	62	22	-	-	84	81.24
164	Vancouver - Westside	295	0.93		51.74	37	9	-	-	46	41.29
165	Vancouver - Midtown	340	1.20	*	66.39	42	26	-	-	68	65.38
166	Vancouver - South	469	1.30	*	72.39	52	27	-	-	79	64.54
201	Surrey	1,642	1.18	*	65.37	273	102	-	-	375	70.16
202	South Surrey/White Rock	167	1.07		59.33	22	11	-	-	33	50.85
PROVINCIAL TOTAL		12,082	1.00		55.49	1,782	686	-	-	2,468	56.10

Note: Low Birth Weight – birth weight less than 2,500 grams. Ratio – observed over the expected low birth weight live births.

* Statistical testing indicates that observed low birth weight live births are significantly different from the expected ($p < 0.05$, two-tailed). Rate per 1,000 live births in the specified area. Total includes residents with unknown LHA. N.S. - Not Stated.

FIGURE 32
LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA
 BRITISH COLUMBIA, 2006–2010

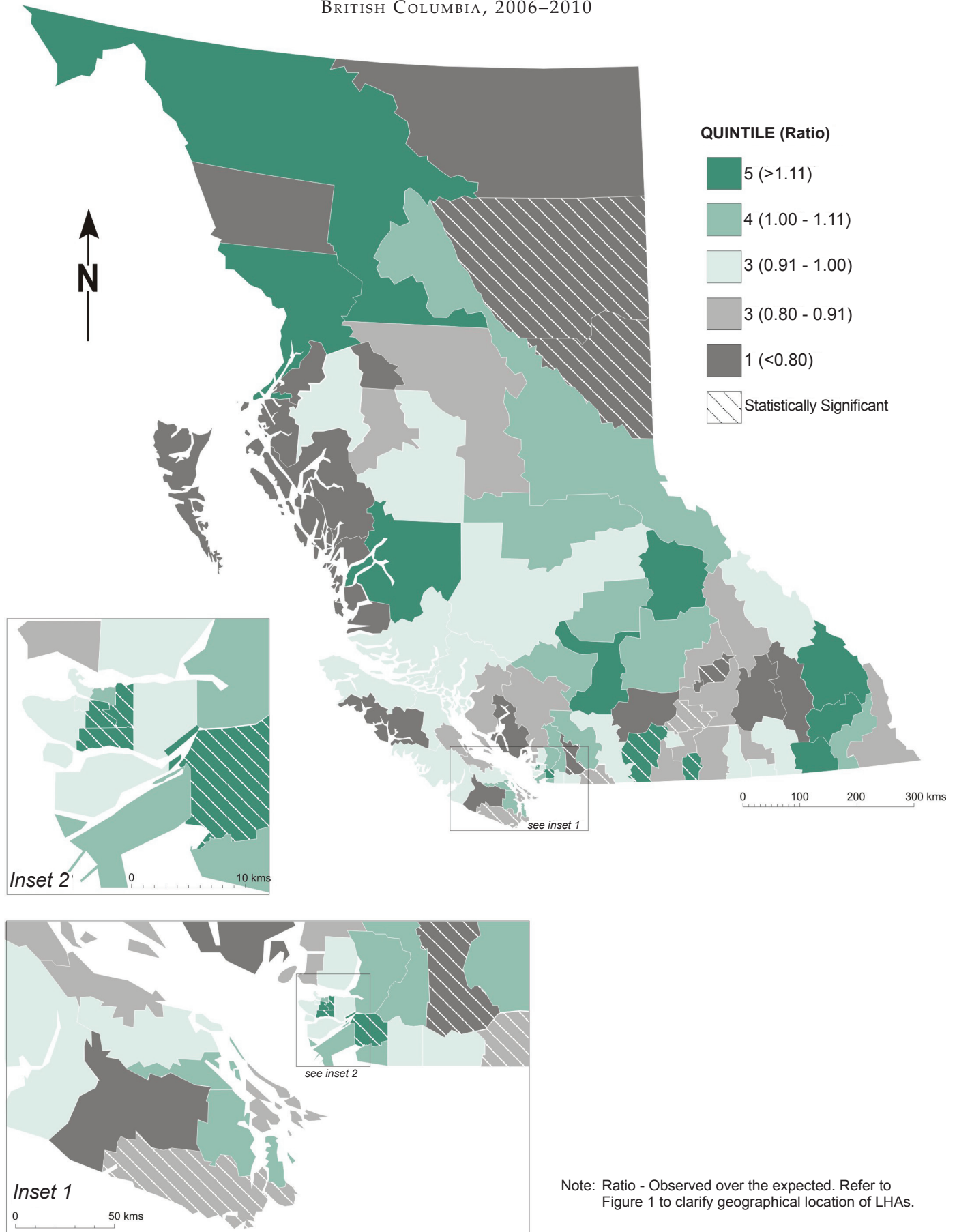


TABLE 17
**MATERNAL COMPLICATIONS OF PREGNANCY AND
DELIVERY IN LIVE BIRTHS BY AGE OF MOTHER**
BRITISH COLUMBIA, 2006–2010 AND 2011

Maternal Complications	ICD-10 Code(s)	2006–2010		2011						
				Age of Mother (in Years)					Total	Percent
		Total	Percent	<20	20–29	30–39	40+	N.S.		
Hypertension/hypertensive disorders in pregnancy	O10-O11, O13, O16	2,607	1.6	17	211	301	39	-	568	1.7
Edema and proteinuria without hypertension	O12	22	0.0	1	1	2	-	-	4	0.0
Pre-eclampsia/eclampsia	O14-O15	1,039	0.7	11	82	118	14	-	225	0.7
Hemorrhage in early pregnancy	O20	5	0.0	-	-	1	-	-	1	0.0
Hyperemesis gravidarum	O21	60	0.0	-	6	8	-	-	14	0.0
Other maternal disorders predominantly related to pregnancy	O22-O23, O25-O29	1,942	1.2	24	191	279	17	-	511	1.6
Diabetes in pregnancy	O24	2,579	1.6	6	218	470	71	-	765	2.3
Multiple gestation and related complications	O30-O31	6,643	4.2	12	382	855	118	2	1,369	4.2
Fetal malpresentation	O32	6,890	4.4	30	494	675	58	-	1,257	3.8
Disproportion	O33	402	0.3	3	34	29	2	-	68	0.2
Maternal abnormality of pelvic organs	O34	26,863	17.0	19	1,442	3,422	396	-	5,279	16.1
Disorders of amniotic fluid and membranes	O40-O42	4,378	2.8	32	368	534	62	-	996	3.0
Placental disorders	O43-O45, O73	2,327	1.5	9	186	345	35	-	575	1.7
Antepartum hemorrhage	O46	421	0.3	-	29	52	6	-	87	0.3
Prolonged pregnancy	O48	1,183	0.7	4	88	137	9	-	238	0.7
Preterm labour and delivery	O60	9,195	5.8	56	656	790	58	-	1,560	4.7
Abnormalities of forces of labour	O62-O63	6,926	4.4	39	718	815	62	-	1,634	5.0
Obstructed labour	O64-O66	12,412	7.9	79	1,125	1,228	88	-	2,520	7.7
Intrapartum hemorrhage	O67	0	-	-	-	-	-	-	-	0.0
Evidence of fetal distress	O68	9,554	6.0	72	850	1,065	89	-	2,076	6.3
Cord complications	O69	2,685	1.7	15	263	259	23	-	560	1.7
Obstetrical trauma	O70-O71	1,879	1.2	17	215	216	10	-	458	1.4
Postpartum hemorrhage	O72	2,287	1.4	29	258	236	12	-	535	1.6
Assisted or surgical delivery - no cause given ¹	O81-O82	31,463	19.9	150	2,604	3,681	384	-	6,819	20.7
Maternal and puerperal infections	O85-O86, O98, A34	403	0.3	4	14	36	3	-	57	0.2
Other puerperal complications	O87-O92	68	0.0	1	2	8	-	-	11	0.0
Maternal noninfectious diseases complicating the pregnant state	O99	2,488	1.6	21	253	365	37	-	676	2.1
Elderly primigravida	Z355	8,657	5.5	-	-	1,602	282	-	1,884	5.7
Maternal drug use	O355	431	0.3	1	36	29	-	-	66	0.2
Other maternal complications	O00-O08 O350-O353 O356-O36,O47, O61, O74-O75, O95-O97	12,212	7.7	69	783	1,125	90	-	2,067	6.3
Total maternal complications		158,021	100.0	721	11,509	18,683	1,965	2	32,880	100.0
Live births with the above maternal complications	- Number	114,798		519	8,612	13,115	1,284	2	23,532	
	- Percent(*)	52.7		44.5	48.5	56.7	66.4	100	53.5	

Note: Percent based upon maternal complications. Percent (*) based upon live births for the specified maternal age group.

¹Where no other complication code is found. Total percentage may not add up to 100 due to rounding.

N.S. - Not Stated. Non-residents are excluded.

54		2006-2010					2011				
Local Health Area		Observed Births	Ratio	(p)	Percent	Total Live Births	Observed Births	Expected Births	Ratio	(p)	Percent Live Births
001	Fernie	418	1.08		56.8	736	107	82.9	1.29	*	69.0
002	Cranbrook	521	0.77	*	40.5	1,285	100	119.8	0.83		44.6
003	Kimberley	173	0.83	*	43.8	395	31	35.8	0.86		46.3
004	Windermere	221	0.93		49.2	449	42	41.2	1.02		54.5
005	Creston	248	0.81	*	42.7	581	56	58.3	0.96		51.4
006	Kootenay Lake	47	0.70	*	36.7	128	6	8.0	0.75		40.0
007	Nelson	475	0.77	*	40.4	1,176	105	123.0	0.85		45.7
009	Castlegar	221	0.87	*	45.9	481	59	67.9	0.87		46.5
010	Arrow Lakes	69	0.81		42.6	162	8	9.6	0.83		44.4
011	Trail	419	0.98		51.5	813	103	109.7	0.94		50.2
012	Grand Forks	138	0.89		46.9	294	32	29.4	1.09		58.2
013	Kettle Valley	34	0.60	*	31.5	108	4	7.0	0.58		30.8
014	Southern Okanagan	335	0.99		52.1	643	75	66.9	1.12		60.0
015	Penticton	915	1.05		55.4	1,651	206	173.3	1.19	*	63.6
016	Keremeos	104	1.01		53.1	196	17	15.0	1.14		60.7
017	Princeton	69	0.91		47.9	144	16	15.5	1.03		55.2
018	Golden	207	1.14		60.2	344	45	37.4	1.20		64.3
019	Revelstoke	199	0.94		49.8	400	42	43.3	0.97		51.9
020	Salmon Arm	788	1.13	*	59.4	1,326	176	151.9	1.16		62.0
021	Armstrong - Spallumcheen	233	1.00		52.5	444	52	47.6	1.09		58.4
022	Vernon	1,559	1.05		55.1	2,829	299	309.2	0.97		51.7
023	Central Okanagan	4,169	0.99		52.0	8,014	849	877.8	0.97		51.7
024	Kamloops	2,693	0.99		52.3	5,153	554	546.7	1.01		54.2
025	100 Mile House	248	0.93		48.8	508	45	47.6	0.95		50.6
026	North Thompson	89	0.76	*	40.3	221	11	12.8	0.86		45.8
027	Cariboo - Chilcotin	745	0.98		51.7	1,442	152	139.1	1.09		58.5
028	Quesnel	672	1.01		53.4	1,258	120	119.3	1.01		53.8
029	Lillooet	121	1.00		52.6	230	21	21.4	0.98		52.5
030	South Cariboo	142	0.89		46.9	303	21	32.6	0.64	*	34.4
031	Merritt	266	0.85	*	44.6	597	65	70.6	0.92		49.2
032	Hope	160	0.86		45.3	353	28	36.4	0.77		41.2
033	Chilliwack	2,474	0.92	*	48.7	5,085	530	550.4	0.96		51.5
034	Abbotsford	4,090	0.90	*	47.7	8,583	866	927.0	0.93	*	50.0
035	Langley	3,491	0.96	*	50.6	6,895	777	786.3	0.99		52.9
037	Delta	2,305	1.02		53.7	4,295	479	454.2	1.05		56.4
038	Richmond	4,389	0.98		51.8	8,477	850	847.9	1.00		53.6
040	New Westminster	2,048	1.13	*	59.3	3,451	392	381.4	1.03		55.0
041	Burnaby	5,930	1.00		52.5	11,287	1,249	1,218.0	1.03		54.9
042	Maple Ridge	2,615	1.03		54.3	4,816	507	505.5	1.00		53.7
043	Coquitlam	6,213	1.11	*	58.5	10,627	1,178	1,120.7	1.05		56.2
044	North Vancouver	3,240	1.02		53.7	6,033	669	669.2	1.00		53.5
045	West Vancouver-Bowen Is.	730	1.02		54.0	1,351	147	138.5	1.06		56.8
046	Sunshine Coast	592	1.05		55.2	1,073	134	114.5	1.17		62.6
047	Powell River	347	0.95		49.9	695	67	74.4	0.90		48.2
048	Howe Sound	1,337	1.09	*	57.6	2,323	293	256.8	1.14	*	61.0
049	Bella Coola Valley	113	1.02		53.6	211	18	19.8	0.91		48.6
050	Queen Charlotte	118	1.04		54.6	216	24	31.0	0.77		41.4
051	Snow Country	10	0.90		47.6	21	3	2.1	1.40		75.0
052	Prince Rupert	453	0.93		48.8	928	86	88.8	0.97		51.8
053	Upper Skeena	193	1.15		60.5	319	38	36.4	1.04		55.9
054	Smithers	501	0.88	*	46.3	1,082	78	99.5	0.78	*	41.9
055	Burns Lake	195	0.88		46.5	419	38	42.8	0.89		47.5
056	Nechako	552	0.96		50.5	1,092	118	116.6	1.01		54.1
057	Prince George	2,600	0.89	*	47.2	5,514	489	559.0	0.87	*	46.8
059	Peace River South	707	0.81	*	42.7	1,655	179	185.1	0.97		51.7
060	Peace River North	1,225	0.78	*	41.3	2,964	274	330.1	0.83	*	44.4
061	Greater Victoria	4,823	1.01		53.4	9,024	966	945.2	1.02		54.7
062	Sooke	1,989	1.05	*	55.1	3,607	398	431.7	0.92		49.3
063	Saanich	972	0.94		49.7	1,954	187	212.4	0.88		47.1
064	Gulf Islands	188	0.78	*	41.2	456	33	44.4	0.74		39.8
065	Cowichan	1,227	0.86	*	45.1	2,720	238	286.2	0.83	*	44.5
066	Lake Cowichan	98	0.91		48.0	204	20	20.9	0.96		51.3
067	Ladysmith	365	0.96		50.6	722	81	78.1	1.04		55.5
068	Nanaimo	2,702	1.13	*	59.6	4,533	541	514.1	1.05		56.3
069	Qualicum	712	1.07		56.3	1,265	139	126.2	1.10		58.9
070	Alberni	1,036	1.17	*	61.6	1,683	177	182.9	0.97		51.8
071	Courtenay	1,272	0.96		50.6	2,514	276	280.8	0.98		52.6
072	Campbell River	1,162	1.13	*	59.7	1,945	232	210.2	1.10		59.0
075	Mission	1,148	0.95		49.9	2,299	240	254.1	0.94		50.5
076	Agassiz - Harrison	234	0.92		48.6	481	50	47.6	1.05		56.2
077	Summerland	219	1.13		59.5	368	43	39.6	1.09		58.1
078	Enderby	198	0.99		52.2	379	31	39.0	0.79		42.5
080	Kitimat	248	1.01		53.3	465	51	47.6	1.07		57.3
081	Fort Nelson	228	0.90		47.6	479	34	45.5	0.75		40.0
083	Central Coast	70	0.95		50.0	140	16	16.6	0.96		51.6
084	Vancouver Island West	66	1.13		59.5	111	18	15.0	1.20		64.3
085	Vancouver Island North	372	0.92		48.5	767	79	79.2	1.00		53.4
087	Stikine	18	1.14		60.0	30	2	3.2	0.62		33.3
088	Terrace	562	0.87	*	45.8	1,228	86	128.4	0.67	*	35.8
092	Nisga'a	96	0.97		51.3	187	11	14.4	0.76		40.7
094	Telegraph Creek	18	0.66		34.6	52	3	3.2	0.93		50.0
161	Vancouver - City Centre	2,970	1.15	*	60.9	4,879	630	557.9	1.13	*	60.4
162	Vancouver - Dwtwn E.side	1,296	1.01		53.1	2,441	345	327.9	1.05		56.3
163	Vancouver - North East	2,863	1.00		52.6	5,447	603	553.1	1.09	*	58.3
164	Vancouver - Westside	3,117	1.04	*	54.7	5,702	609	595.9	1.02		54.7
165	Vancouver - Midtown	2,803	1.04	*	54.7	5,121	573	556.3	1.03		55.1
166	Vancouver - South	3,439	1.01		53.1	6,479	669	654.8	1.02		54.7
201	Surrey	13,637	1.03	*	54.3	25,120	2,886	2,859.2	1.01		54.0
202	South Surrey/White Rock	1,466	0.99		52.1	2,815	331	347.2	0.95		51.0
PROVINCIAL TOTAL		114,798	1.00		52.7	217,720	23,532	23,532.0	1.00		53.5

Note: *Statistical testing indicates that the observed number of births with maternal complications is significantly different from the expected ($p < 0.05$, two-tailed). Ratio - observed over expected. Percent of observed births is based on total live births. Total includes residents with unknown LHA. Non-residents are excluded.

FIGURE 33
**MATERNAL COMPLICATIONS OF PREGNANCY AND
 DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA**
 BRITISH COLUMBIA, 2006–2010

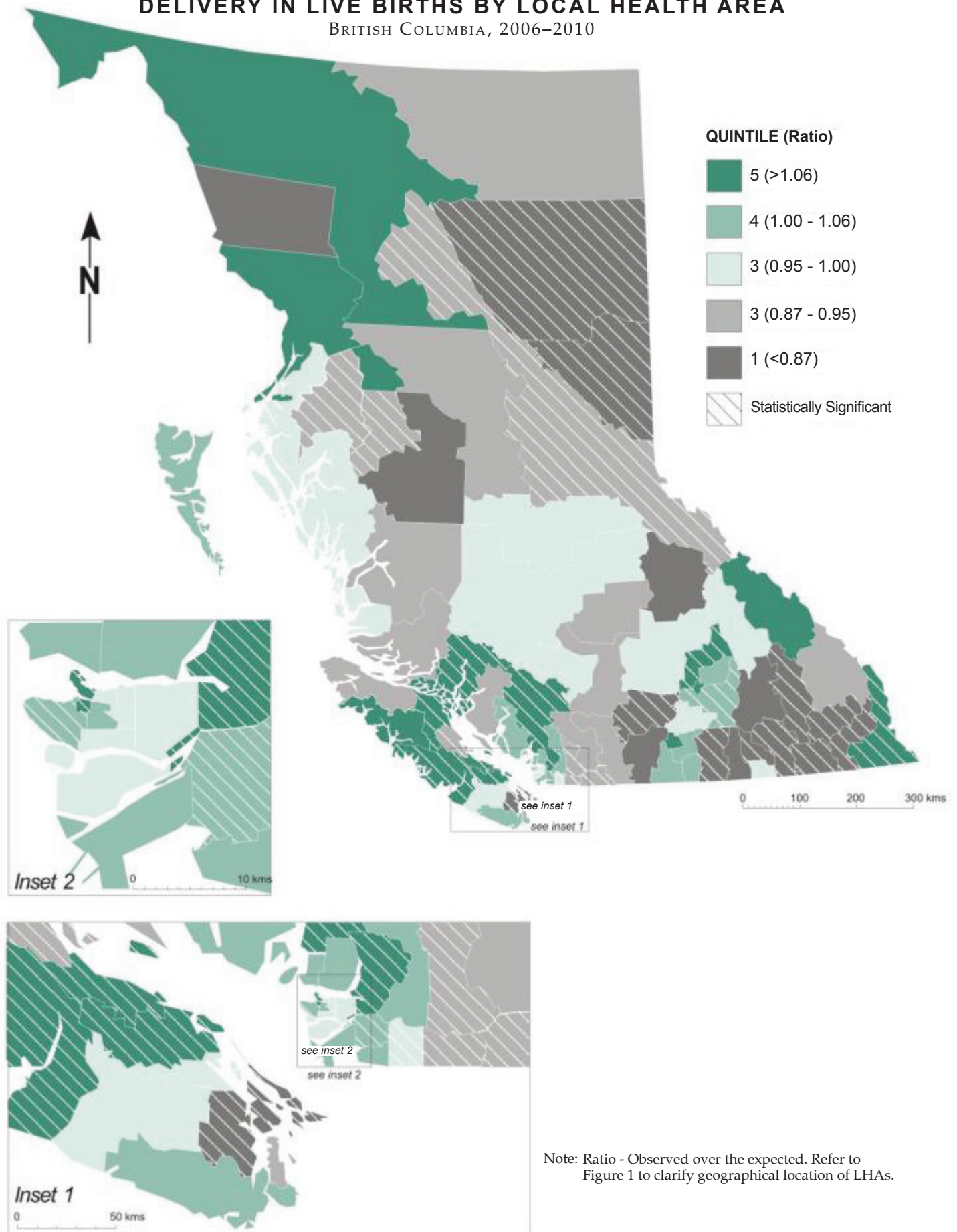


TABLE 19
PERINATAL CONDITIONS IN LIVE BIRTHS BY AGE OF MOTHER
 BRITISH COLUMBIA, 2006–2010 AND 2011

Perinatal Conditions	ICD-10 Code	2006–2010		2011						
				Age of Mother (in Years)					Total	Percent
		Total	Percent	<20	20–29	30–39	40+	N.S.		
Fetus/newborn affected by maternal conditions that may be unrelated to present pregnancy	P00	127	0.1	5	21	44	8	-	78	0.4
Complications of pregnancy, labour and delivery	P01, P03	12,303	13.0	70	1,133	1,798	201	2	3,204	15.3
Fetus/newborn affected by complications of placenta, cord and membranes	P02	3,062	3.2	25	362	505	47	-	939	4.5
Fetus affected by noxious influences transmitted via placenta (or breast milk)	P04	83	0.1	7	57	45	2	-	111	0.5
Slow fetal growth and malnutrition	P05	1,582	1.7	9	106	136	8	-	259	1.2
Perinatal disorders related to short gestation	P072, P073	15,823	16.7	87	1,149	1,615	190	-	3,041	14.6
Disorders related to long gestation or high birth weight	P08	20,448	21.6	97	1,364	1,830	148	-	3,439	16.5
Perinatal birth trauma	P10-P15	343	0.4	4	58	36	1	-	99	0.5
Intrauterine hypoxia and birth asphyxia	P20-P21	39,967	42.1	303	3,459	4,040	370	2	8,174	39.2
Respiratory conditions of fetus and newborn	P22-P28	454	0.5	50	638	628	49	-	1,365	6.5
Cardiovascular disorders originating in the perinatal period	P29	-	-	-	-	-	-	-	-	-
Infections specific to the perinatal period	P35-P39	19	0.0	-	5	4	-	-	9	0.0
Fetal and neonatal hemorrhage	P50-P52, P54	81	0.1	2	6	3	-	-	11	0.1
Perinatal jaundice/other hematological disorders	P53, P55-P61	51	0.1	1	9	6	-	-	16	0.1
Perinatal endocrine and metabolic disorders	P70-P74	34	0.0	1	-	4	1	-	6	0.0
Digestive system disorders of fetus and newborn	P76-P78	4	0.0	-	1	-	-	-	1	0.0
Perinatal conditions of the integument and of temperature regulation	P80-P83	170	0.2	1	22	25	3	-	51	0.2
Other disorders originating in the perinatal period	P90-P96	333	0.4	4	45	25	-	-	74	0.4
All Perinatal Conditions		94,884	100.0	666	8,435	10,744	1,028	4	20,877	100.0
Live births with the above perinatal conditions	- Number	73,532		471	6,101	7,682	712	2	14,968	
	- Percent(*)	33.8		40.4	34.4	33.2	36.8	100.0	34.0	

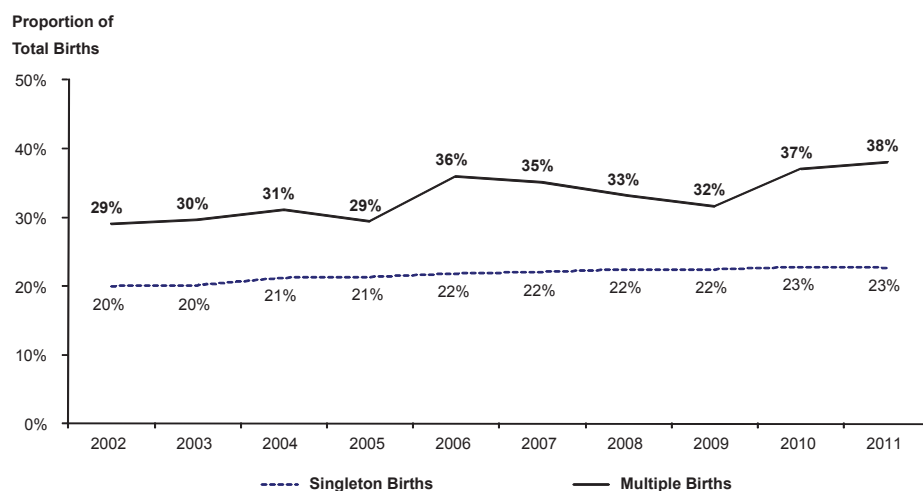
Note: Percent based upon perinatal conditions. Percent (*) based upon live births for the maternal age group. Total percentage may not add up to 100 due to rounding. N.S. - Not stated. Non-residents are excluded.

Vital Statistics Information Box

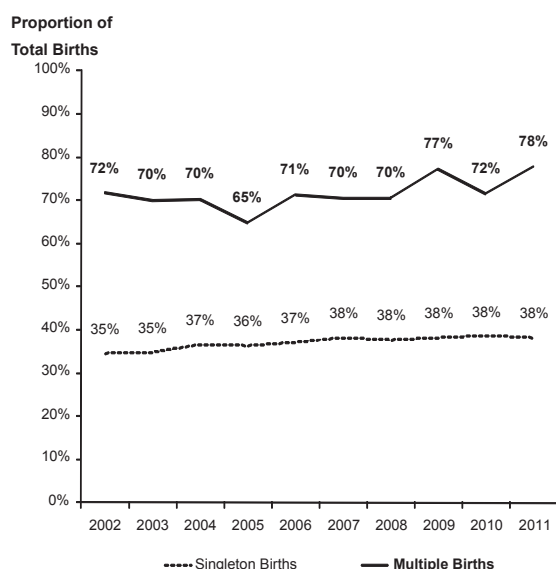
BIRTH AND OLDER MOTHERS IN BRITISH COLUMBIA, 2002 - 2011

Older mothers, those aged 35 and over, have increased their share of the total births to women in British Columbia. Since 2002, the share of multiple births attributable to older mothers has increased by 30.8 percent. Most of these births are via cesarean section; however, the proportion of these births considered to be Low Birth Weight has remained relatively stable.

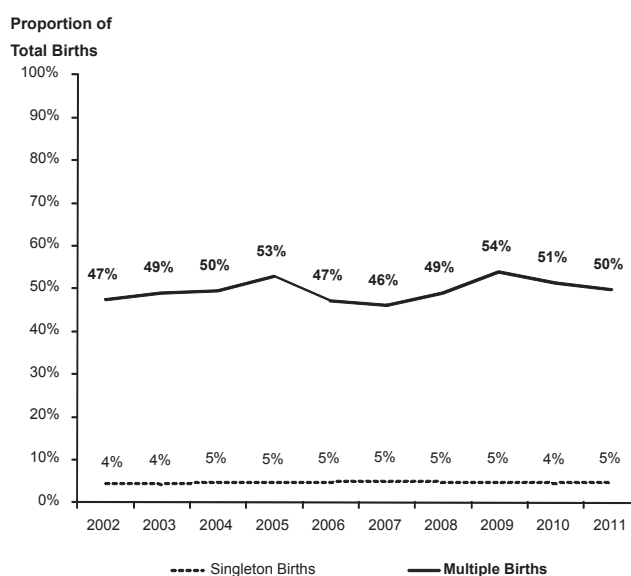
PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER
BRITISH COLUMBIA, 2002 - 2011



PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER BIRTHED
VIA CESAREAN SECTION
BRITISH COLUMBIA, 2002 - 2011



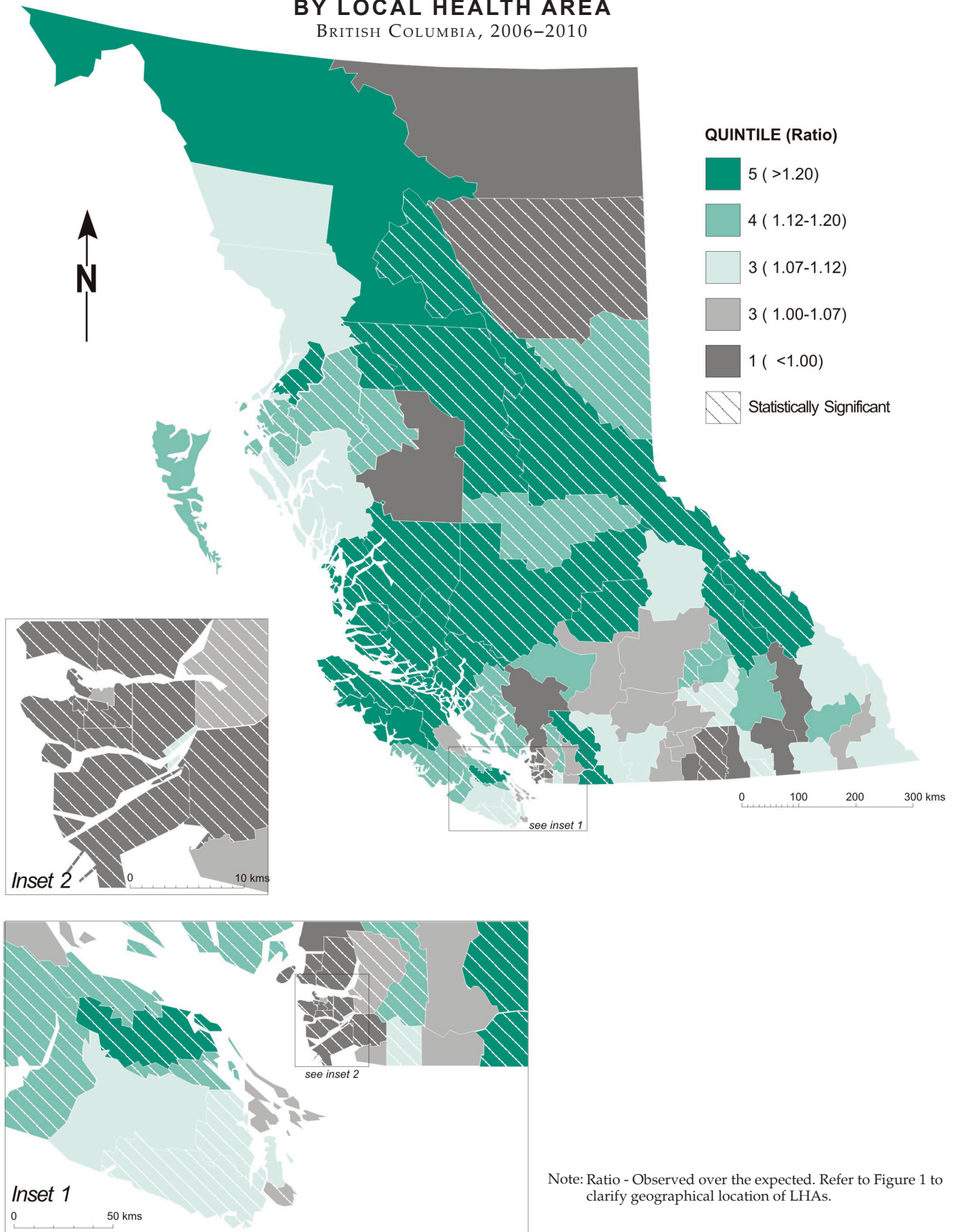
PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER WITH
LOW BIRTH WEIGHT (<2500 GRAMS)
BRITISH COLUMBIA, 2002 - 2011



58		2006-2010					2011					
		Observed		(p)	Percent	Total Live Births	Observed Births	Expected Births	Ratio	(p)	Percent	Total Live Births
Local Health Area		Births	Ratio									
001	Fernie	257	1.03		34.9	736	58	52.7	1.10		37.4	155
002	Cranbrook	423	0.97		32.9	1,285	73	76.2	0.96		32.6	224
003	Kimberley	151	1.13		38.2	395	22	22.8	0.97		32.8	67
004	Windermere	165	1.09		36.7	449	27	26.2	1.03		35.1	77
005	Creston	193	0.98		33.2	581	44	37.1	1.19		40.4	109
006	Kootenay Lake	33	0.76		25.8	128	8	5.1	1.57		53.3	15
007	Nelson	382	0.96		32.5	1,176	88	78.3	1.12		38.3	230
009	Castlegar	184	1.13		38.3	481	53	43.2	1.23		41.7	127
010	Arrow Lakes	59	1.08		36.4	162	4	6.1	0.65		22.2	18
011	Trail	313	1.14	*	38.5	813	89	69.8	1.28	*	43.4	205
012	Grand Forks	98	0.99		33.3	294	26	18.7	1.39		47.3	55
013	Kettle Valley	27	0.74		25.0	108	2	4.4	0.45		15.4	13
014	Southern Okanagan	212	0.98		33.0	643	36	42.5	0.85		28.8	125
015	Penticton	577	1.03		34.9	1,651	132	110.2	1.20	*	40.7	324
016	Keremeos	68	1.03		34.7	196	10	9.5	1.05		35.7	28
017	Princeton	60	1.23		41.7	144	9	9.9	0.91		31.0	29
018	Golden	134	1.15		39.0	344	25	23.8	1.05		35.7	70
019	Revelstoke	185	1.37	*	46.3	400	28	27.6	1.02		34.6	81
020	Salmon Arm	524	1.17	*	39.5	1,326	115	96.6	1.19		40.5	284
021	Armstrong - Spallumcheen	163	1.09		36.7	444	36	30.3	1.19		40.4	89
022	Vernon	1,018	1.07	*	36.0	2,829	204	196.7	1.04		35.3	578
023	Central Okanagan	2,862	1.06	*	35.7	8,014	630	558.4	1.13	*	38.4	1,641
024	Kamloops	1,855	1.07	*	36.0	5,153	414	347.7	1.19	*	40.5	1,022
025	100 Mile House	214	1.25	*	42.1	508	44	30.3	1.45	*	49.4	89
026	North Thompson	85	1.14		38.5	221	8	8.2	0.98		33.3	24
027	Cariboo - Chilcotin	663	1.36	*	46.0	1,442	129	88.5	1.46	*	49.6	260
028	Quesnel	519	1.22	*	41.3	1,258	108	75.9	1.42	*	48.4	223
029	Lillooet	97	1.25	*	42.2	230	14	13.6	1.03		35.0	40
030	South Cariboo	106	1.04		35.0	303	22	20.8	1.06		36.1	61
031	Merritt	219	1.09		36.7	597	58	44.9	1.29		43.9	132
032	Hope	133	1.12		37.7	353	26	23.1	1.12		38.2	68
033	Chilliwack	2,075	1.21	*	40.8	5,085	382	350.1	1.09		37.1	1,029
034	Abbotsford	2,934	1.01		34.2	8,583	574	589.7	0.97		33.1	1,733
035	Langley	2,556	1.10	*	37.1	6,895	543	500.2	1.09		36.9	1,470
037	Delta	1,324	0.91	*	30.8	4,295	265	288.9	0.92		31.2	849
038	Richmond	2,245	0.78	*	26.5	8,477	423	539.3	0.78	*	26.7	1,585
040	New Westminster	1,252	1.07	*	36.3	3,451	254	242.6	1.05		35.6	713
041	Burnaby	3,052	0.80	*	27.0	11,287	631	774.8	0.81	*	27.7	2,277
042	Maple Ridge	1,901	1.17	*	39.5	4,816	327	321.5	1.02		34.6	945
043	Coquitlam	3,728	1.04	*	35.1	10,627	734	712.8	1.03		35.0	2,095
044	North Vancouver	1,790	0.88	*	29.7	6,033	365	425.7	0.86	*	29.2	1,251
045	West Vancouver-Bowen Is.	387	0.85	*	28.6	1,351	60	88.1	0.68	*	23.2	259
046	Sunshine Coast	409	1.13	*	38.1	1,073	81	72.8	1.11		37.9	214
047	Powell River	259	1.10		37.3	695	48	47.3	1.01		34.5	139
048	Howe Sound	764	0.97		32.9	2,323	168	163.3	1.03		35.0	480
049	Bella Coola Valley	102	1.43	*	48.3	211	15	12.6	1.19		40.5	37
050	Queen Charlotte	84	1.15		38.9	216	14	19.7	0.71		24.1	58
051	Snow Country	7	0.99		33.3	21	3	1.4	2.20		75.0	4
052	Prince Rupert	366	1.17	*	39.4	928	63	56.5	1.12		38.0	166
053	Upper Skeena	148	1.37	*	46.4	319	30	23.1	1.30		44.1	68
054	Smithers	410	1.12	*	37.9	1,082	47	63.3	0.74	*	25.3	186
055	Burns Lake	144	1.02		34.4	419	26	27.2	0.96		32.5	80
056	Nechako	470	1.27	*	43.0	1,092	81	74.2	1.09		37.2	218
057	Prince George	2,283	1.23	*	41.4	5,514	444	355.6	1.25	*	42.5	1,045
059	Peace River South	653	1.17	*	39.5	1,655	151	117.7	1.28	*	43.6	346
060	Peace River North	927	0.93	*	31.3	2,964	214	209.9	1.02		34.7	617
061	Greater Victoria	3,137	1.03		34.8	9,024	647	601.2	1.08		36.6	1,767
062	Sooke	1,339	1.10	*	37.1	3,607	306	274.6	1.11		37.9	807
063	Saanich	722	1.09	*	36.9	1,954	153	135.1	1.13		38.5	397
064	Gulf Islands	160	1.04		35.1	456	33	28.2	1.17		39.8	83
065	Cowichan	1,029	1.12	*	37.8	2,720	221	182.0	1.21	*	41.3	535
066	Lake Cowichan	67	0.97		32.8	204	22	13.3	1.66	*	56.4	39
067	Ladysmith	281	1.15	*	38.9	722	66	49.7	1.33	*	45.2	146
068	Nanaimo	1,960	1.28	*	43.2	4,533	391	327.0	1.20	*	40.7	961
069	Qualicum	505	1.18	*	39.9	1,265	99	80.3	1.23	*	41.9	236
070	Alberni	667	1.17	*	39.6	1,683	118	116.4	1.01		34.5	342
071	Courtenay	903	1.06		35.9	2,514	181	178.6	1.01		34.5	525
072	Campbell River	793	1.21	*	40.8	1,945	170	133.7	1.27	*	43.3	393
075	Mission	813	1.05		35.4	2,299	162	161.6	1.00		34.1	475
076	Agassiz - Harrison	200	1.23	*	41.6	481	37	30.3	1.22		41.6	89
077	Summerland	144	1.16		39.1	368	32	25.2	1.27		43.2	74
078	Enderby	143	1.12		37.7	379	34	24.8	1.37		46.6	73
080	Kitimat	178	1.13		38.3	465	34	30.3	1.12		38.2	89
081	Fort Nelson	150	0.93		31.3	479	40	28.9	1.38	*	47.1	85
083	Central Coast	65	1.37	*	46.4	140	18	10.5	1.71	*	58.1	31
084	Vancouver Island West	47	1.25		42.3	111	14	9.5	1.47		50.0	28
085	Vancouver Island North	319	1.23	*	41.6	767	61	50.4	1.21		41.2	148
087	Stikine	15	1.48		50.0	30	2	2.0	0.98		33.3	6
088	Terrace	506	1.22	*	41.2	1,228	106	81.7	1.30	*	44.2	240
092	Nisga'a	85	1.35	*	45.5	187	14	9.2	1.52		51.9	27
094	Telegraph Creek	18	1.02		34.6	52	2	2.0	0.98		33.3	6
161	Vancouver - City Centre	1,572	0.95		32.2	4,879	345	354.9	0.97		33.1	1,043
162	Vancouver - Downtown E.side	808	0.98		33.1	2,441	207	208.6	0.99		33.8	613
163	Vancouver - North East	1,457	0.79	*	26.7	5,447	310	351.8	0.88	*	30.0	1,034
164	Vancouver - Westside	1,633	0.85	*	28.6	5,702	315	379.0	0.83	*	28.3	1,114
165	Vancouver - Midtown	1,562	0.90	*	30.5	5,121	327	353.9	0.92		31.4	1,040
166	Vancouver - South	1,759	0.80	*	27.1	6,479	333	416.5	0.80	*	27.2	1,224
201	Surrey	7,261	0.86	*	28.9	25,120	1,499	1,818.6	0.82	*	28.0	5,345
202	South Surrey/White Rock	976	1.03		34.7	2,815	180	220.8	0.82	*	27.7	649
PROVINCIAL TOTAL		73,532	1.00		33.8	217,720	14,968	14,968.0	1.00		34.0	43,991

Note: *Statistical testing indicates that observed number of births with perinatal conditions is significantly different from the expected (p<0.05, two-tailed). Ratio-observed over the expected. Percent of births is based on total live births and includes residents with unknown LHA and excludes non-residents.

FIGURE 34
**PERINATAL CONDITIONS IN LIVE BIRTHS
 BY LOCAL HEALTH AREA**
 BRITISH COLUMBIA, 2006–2010



Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

