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Maternal/Fetal and Neonatal Services: Setting the Stage

Table 1. Labour and delivery outcomes for deliveries in acute care facilities in British Columbia from April 1, 2018 to March 31, 2019

- Data source: Perinatal Data Registry
- Fiscal year is based on mother's discharge date from the delivery episode.
- Singleton and multiple births are included. A single pregnancy with multiple births is counted as one delivery.
- Home births, late terminations, and deliveries that did not link to a birth in the Perinatal Data Registry are excluded.
- Mode of delivery reflects the method of extraction of the newborn from the mother. For
 multiple births, this indicator reflects the most 'severe' mode of delivery based on the following
 hierarchy: emergency cesarean section, elective cesarean section, assisted vaginal delivery, and
 spontaneous vaginal delivery. Assisted vaginal delivery includes the use of forceps, vacuum or
 other instruments.
- Induced labour indicates instrumental or medicinal assistance was used to initiate labour.
- Percentages with both numerator and denominator < 5 are not reported (NR).



Health Authority/Facility	Total Deliveries		eries of le Births		uced oour		aneous Delivery		sted Delivery		ctive n Delivery		gency n Delivery
	N	N	%	N	%	N	%	N	%	N	%	N	%
Interior													
Vernon Jubilee	803	11	1.4	252	31.4	483	60.1	50	6.2	111	13.8	159	19.8
Kelowna General	1,528	24	1.6	446	29.2	878	57.5	130	8.5	213	13.9	307	20.1
Penticton Regional	504	9	1.8	149	29.6	281	55.8	55	10.9	57	11.3	111	22.0
South Okanagan General	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Royal Inland	1,250	23	1.8	316	25.3	663	53.0	86	6.9	175	14.0	326	26.1
Queen Victoria	70	0	0.0	19	27.1	38	54.3	10	14.3	7	10.0	15	21.4
Nicola Valley	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Shuswap Lake General	171	0	0.0	34	19.9	107	62.6	<5	<2.9	17	9.9	44	25.7
Cariboo Memorial	293	5	1.7	61	20.8	177	60.4	21	7.2	37	12.6	58	19.8
Golden and District General	44	0	0.0	10	22.7	28	63.6	<5	<11.4	<5	<11.4	9	20.5
Lillooet	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Kootenay Lake	291	<5	<1.7	89	30.6	186	63.9	22	7.6	28	9.6	55	18.9
Creston Valley	50	0	0.0	16	32.0	34	68.0	<5	<10.0	<5	<10.0	9	18.0
100 Mile District General	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Elk Valley	91	0	0.0	24	26.4	63	69.2	5	5.5	9	9.9	14	15.4
Invermere and District	22	0	0.0	0	0.0	22	100.0	0	0.0	0	0.0	0	0.0
East Kootenay Regional	422	6	1.4	102	24.2	257	60.9	12	2.8	70	16.6	83	19.7
Kootenay Boundary Regional	212	<5	<2.4	59	27.8	147	69.3	7	3.3	18	8.5	40	18.9
Boundary	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Interior Total	5,759	81	1.4	1,577	27.4	3,372	58.6	407	7.1	750	13	1,230	21.4



Health Authority/Facility	Total Deliveries		Deliveries of Multiple Births		Induced Labour		Spontaneous Vaginal Delivery		Assisted Vaginal Delivery		Elective Cesarean Delivery		Emergency Cesarean Delivery	
	N	N	%	N	%	N	%	N	%	N	%	N	%	
Fraser														
Royal Columbian	2,844	59	2.1	726	25.5	1,337	47.0	307	10.8	421	14.8	779	27.4	
Langley Memorial	1,376	11	0.8	404	29.4	797	57.9	122	8.9	165	12.0	292	21.2	
Surrey Memorial	4,801	111	2.3	1,332	27.7	2,301	47.9	439	9.1	727	15.1	1,334	27.8	
Burnaby	1,249	15	1.2	347	27.8	703	56.3	87	7.0	154	12.3	305	24.4	
Peace Arch	1,004	<5	<0.5	231	23.0	494	49.2	104	10.4	174	17.3	232	23.1	
Chilliwack General	730	<5	<0.7	183	25.1	413	56.6	29	4.0	123	16.8	165	22.6	
Ridge Meadows	762	5	0.7	240	31.5	372	48.8	69	9.1	107	14.0	214	28.1	
Fraser Canyon	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0	
Abbotsford Regional	2,572	35	1.4	929	36.1	1,270	49.4	244	9.5	317	12.3	741	28.8	
Fraser Total	15,339	241	1.6	4,392	28.6	7,688	50.1	1,401	9.1	2,188	14.3	4,062	26.5	
Vancouver Coastal														
Vancouver General	<5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	<5	NR	
St. Paul's	1,355	24	1.8	304	22.4	657	48.5	106	7.8	291	21.5	301	22.2	
Powell River General	102	<5	<4.9	19	18.6	58	56.9	9	8.8	9	8.8	26	25.5	
Lions Gate	1,237	21	1.7	264	21.3	668	54.0	87	7.0	239	19.3	243	19.6	
Sechelt	191	<5	<2.6	54	28.3	115	60.2	26	13.6	18	9.4	32	16.8	
Richmond	1,972	21	1.1	387	19.6	1,145	58.1	240	12.2	221	11.2	366	18.6	
Squamish General	317	<5	<1.6	78	24.6	205	64.7	25	7.9	19	6.0	68	21.5	
Vancouver Coastal Total	5,176	69	1.3	1,106	21.4	2,848	55	493	9.5	797	15.4	1,038	20.1	



Health Authority/Facility	Total Deliveries		eries of e Births		Induced Labour		aneous Delivery		isted Delivery		ctive n Delivery	Emergency Cesarean Delivery	
	N	N	%	N	%	N	%	N	%	N	%	N	%
Northern													
Fort St. John	554	<5	<0.9	151	27.3	361	65.2	79	14.3	47	8.5	67	12.1
St. John	127	0	0.0	30	23.6	88	69.3	<5	<3.9	17	13.4	18	14.2
University of Northern BC	1,101	20	1.8	315	28.6	615	55.9	61	5.5	157	14.3	268	24.3
Dawson Creek and District	343	<5	<1.5	81	23.6	222	64.7	13	3.8	41	12.0	67	19.5
G.R. Baker Memorial	154	0	0.0	26	16.9	78	50.6	8	5.2	16	10.4	52	33.8
Lakes District	5	0	0.0	0	0.0	5	100.0	0	0.0	0	0.0	0	0.0
Fort Nelson General	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Mackenzie and District	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Chetwynd General	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Stuart Lake	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Wrinch Memorial	14	0	0.0	0	0.0	13	92.9	<5	<35.7	0	0.0	0	0.0
Prince Rupert Regional	178	0	0.0	24	13.5	117	65.7	7	3.9	32	18.0	22	12.4
Bulkley Valley District	251	<5	<1.8	70	27.9	166	66.1	19	7.6	27	10.8	39	15.5
Haida Gwaii	8	0	0.0	0	0.0	8	100.0	0	0.0	0	0.0	0	0.0
Mills Memorial	278	<5	<1.8	63	22.7	200	71.9	13	4.7	17	6.1	48	17.3
Kitimat General	47	0	0.0	19	40.4	34	72.3	<5	<10.6	<5	<10.6	8	17.0
Northern Haida Gwaii	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Northern Total	3,070	32	1	779	25.4	1,917	62.4	206	6.7	358	11.7	589	19.2



Health Authority/Facility	Total Deliveries	Deliveries of Multiple Births		Induced Labour		Spontaneous Vaginal Delivery		Assisted Vaginal Delivery		Elective Cesarean Delivery		Emergency Cesarean Delivery	
	N	N	%	N	%	N	%	N	%	N	%	N	%
Island													
Royal Jubilee	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Victoria General	2,821	54	1.9	905	32.1	1,615	57.2	229	8.1	419	14.9	558	19.8
Cowichan District	489	8	1.6	150	30.7	348	71.2	21	4.3	32	6.5	88	18.0
Lady Minto / Gulf Islands	16	0	0.0	0	0.0	16	100.0	0	0.0	0	0.0	0	0.0
Nanaimo Regional General	1,185	31	2.6	408	34.4	661	55.8	120	10.1	133	11.2	271	22.9
Comox Valley	467	<5	<1.1	138	29.6	278	59.5	18	3.9	57	12.2	114	24.4
Campbell River and District	356	8	2.2	106	29.8	219	61.5	22	6.2	43	12.1	72	20.2
Port Hardy	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Port McNeill and District	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
West Coast General	208	<5	<2.4	26	12.5	114	54.8	41	19.7	16	7.7	37	17.8
Tofino General	<5	0	0.0	0	0.0	<5	NR	0	0.0	0	0.0	0	0.0
Island Total	5,554	105	1.9	1,733	31.2	3,263	58.8	451	8.1	700	12.6	1,140	20.5
PHSA													
BC Women's	6,845	155	2.3	1,624	23.7	3,713	54.2	728	10.6	839	12.3	1,565	22.9
BC Total	41,743	683	1.6	11,211	26.9	22,801	54.6	3,686	8.8	5,632	13.5	9,624	23.1



Table 2. Gestational age for births in acute care facilities in British Columbia from April 1, 2018 to March 31, 2019

- Data source: Perinatal Data Registry
- Fiscal year is based on mother's discharge date from the delivery episode.
- Live births and stillbirths are included.
- Singleton and multiple births are included.
- Home births, late terminations and births that did not link to a delivery in Perinatal Data Registry are excluded.
- Gestational age at birth is estimated using an algorithm that considers last menstrual period, first ultrasound (<20 weeks), clinical estimate from newborn exam, and documentation from maternal chart.
- Percentages with both numerator and denominator < 5 are not reported (NR).



Health Authority/Facility	Total Births		onal Age Veeks		onal Age Veeks		onal Age Veeks		onal Age Veeks
	N	N	%	N	%	N	%	N	%
Interior									
Vernon Jubilee	814	78	9.6	9	1.1	5	0.6	5	0.6
Kelowna General	1,552	185	11.9	37	2.4	10	0.6	6	0.4
Penticton Regional	513	46	9.0	8	1.6	8	1.6	7	1.4
South Okanagan General	<5	0	0.0	0	0.0	0	0.0	0	0.0
Royal Inland	1,273	195	15.3	40	3.1	13	1.0	6	0.5
Queen Victoria	70	0	0.0	0	0.0	0	0.0	0	0.0
Nicola Valley	<5	0	0.0	0	0.0	0	0.0	0	0.0
Shuswap Lake General	171	8	4.7	<5	<2.9	<5	<2.9	<5	<2.9
Cariboo Memorial	298	31	10.4	<5	<1.7	<5	<1.7	<5	<1.7
Golden and District General	44	<5	<11.4	0	0.0	0	0.0	0	0.0
Lillooet	<5	0	0.0	0	0.0	0	0.0	0	0.0
Kootenay Lake	293	21	7.2	<5	<1.7	<5	<1.7	<5	<1.7
Creston Valley	50	<5	<10.0	<5	<10.0	0	0.0	0	0.0
100 Mile District General	<5	0	0.0	0	0.0	0	0.0	0	0.0
Elk Valley	91	<5	<5.5	0	0.0	0	0.0	0	0.0
Invermere and District	22	0	0.0	0	0.0	0	0.0	0	0.0
East Kootenay Regional	428	42	9.8	<5	<1.2	<5	<1.2	<5	<1.2
Kootenay Boundary Regional	213	14	6.6	<5	<2.3	<5	<2.3	<5	<2.3
Boundary	<5	<5	NR	0	0.0	0	0.0	0	0.0
Interior Total	5,840	628	10.8	112	1.9	51	0.9	37	0.6



Health Authority/Facility	Total Births	Gestational A	Age <37 Weeks	Gestational A	ge <34 Weeks	Gestational A	ge <32 Weeks	Gestational Age <30 Weeks		
	N	N	%	N	%	N	%	N	%	
Fraser										
Royal Columbian	2,905	409	14.1	126	4.3	77	2.7	53	1.8	
Langley Memorial	1,387	105	7.6	15	1.1	10	0.7	9	0.6	
Surrey Memorial	4,916	779	15.8	201	4.1	130	2.6	78	1.6	
Burnaby	1,264	122	9.7	21	1.7	5	0.4	<5	<0.4	
Peace Arch	1,005	59	5.9	6	0.6	<5	<0.5	<5	<0.5	
Chilliwack General	734	46	6.3	8	1.1	6	0.8	<5	<0.7	
Ridge Meadows	767	47	6.1	10	1.3	5	0.7	<5	<0.7	
Fraser Canyon	<5	0	0.0	0	0.0	0	0.0	0	0.0	
Abbotsford Regional	2,607	369	14.2	57	2.2	28	1.1	23	0.9	
Fraser Total	15,586	1,936	12.4	444	2.8	264	1.7	176	1.1	
Vancouver Coastal										
Vancouver General	<5	<5	NR	0	0.0	0	0.0	0	0.0	
St. Paul's	1,379	135	9.8	23	1.7	7	0.5	6	0.4	
Powell River General	103	11	10.7	0	0.0	0	0.0	0	0.0	
Lions Gate	1,258	113	9.0	16	1.3	<5	<0.4	<5	<0.4	
Sechelt	192	9	4.7	0	0.0	0	0.0	0	0.0	
Richmond	1,993	157	7.9	22	1.1	8	0.4	<5	<0.3	
Squamish General	318	16	5.0	<5	<1.6	<5	<1.6	<5	<1.6	
Vancouver Coastal Total	5,245	442	8.4	63	1.2	19	0.4	14	0.3	



Health Authority/Facility	Total Births		onal Age Veeks		onal Age Veeks		onal Age Veeks	Gestational Age <30 Weeks		
	N	N	%	N	%	N	%	N	%	
Northern										
Fort St. John	556	36	6.5	6	1.1	5	0.9	<5	<0.9	
St. John	127	6	4.7	0	0.0	0	0.0	0	0.0	
University of Northern BC	1,122	179	16.0	43	3.8	26	2.3	17	1.5	
Dawson Creek and District	346	18	5.2	<5	<1.4	<5	<1.4	<5	<1.4	
G.R. Baker Memorial	154	14	9.1	0	0.0	0	0.0	0	0.0	
Lakes District	5	<5	<100.0	<5	<100.0	<5	<100.0	<5	<100.0	
Fort Nelson General	<5	<5	NR	<5	NR	0	0.0	0	0.0	
Mackenzie and District	<5	<5	NR	0	0.0	0	0.0	0	0.0	
Chetwynd General	<5	<5	NR	0	0.0	0	0.0	0	0.0	
Stuart Lake	<5	<5	NR	0	0.0	0	0.0	0	0.0	
Wrinch Memorial	14	0	0.0	0	0.0	0	0.0	0	0.0	
Prince Rupert Regional	178	11	6.2	<5	<2.8	0	0.0	0	0.0	
Bulkley Valley District	255	14	5.5	<5	<2.0	<5	<2.0	<5	<2.0	
Haida Gwaii	8	0	0.0	0	0.0	0	0.0	0	0.0	
Mills Memorial	281	21	7.5	5	1.8	<5	<1.8	<5	<1.8	
Kitimat General	47	5	10.6	0	0.0	0	0.0	0	0.0	
Northern Haida Gwaii	<5	0	0.0	0	0.0	0	0.0	0	0.0	
Northern Total	3,103	314	10.1	63	2	40	1.3	28	0.9	



Health Authority/Facility	Total Births		onal Age Weeks		onal Age Veeks		onal Age Veeks	Gestational Age <30 Weeks		
	N	N	%	N	%	N	%	N	%	
Island										
Royal Jubilee	<5	0	0.0	0	0.0	0	0.0	0	0.0	
Victoria General	2,877	368	12.8	94	3.3	60	2.1	34	1.2	
Cowichan District	497	39	7.8	<5	<1.0	<5	<1.0	0	0.0	
Lady Minto / Gulf Islands	16	<5	<31.3	<5	<31.3	0	0.0	0	0.0	
Nanaimo Regional General	1,216	188	15.5	43	3.5	17	1.4	11	0.9	
Comox Valley	470	28	6.0	<5	<1.1	<5	<1.1	0	0.0	
Campbell River and District	364	45	12.4	9	2.5	7	1.9	<5	<1.4	
Port Hardy	<5	<5	NR	0	0.0	0	0.0	0	0.0	
Port McNeill and District	<5	0	0.0	0	0.0	0	0.0	0	0.0	
West Coast General	209	22	10.5	<5	<2.4	<5	<2.4	0	0.0	
Tofino General	<5	<5	NR	<5	NR	<5	NR	0	0.0	
Island Total	5,661	697	12.3	155	2.7	88	1.6	49	0.9	
PHSA										
BC Women's	7,004	875	12.5	259	3.7	181	2.6	128	1.8	
BC Total	42,439	4,892	11.5	1,096	2.6	643	1.5	432	1.0	