

## Statistics by Cancer Type - Brain

### General Summary

In 2019, an estimated 405 British Columbians will be newly diagnosed with brain cancer and 340 will die of it. About 17% of those diagnosed with brain cancer will be under the age of 40 when they are diagnosed. One in 170 females and one in 124 males is expected to develop brain cancer during their lifetime. One in 203 females and one in 150 males is expected to die of brain cancer.

### Number of New Brain Cancer Cases Diagnosed in 2016

Age at Diagnosis	Males	Females	Total
0-19	15	15	30
20-39	20	20	35
40-59	55	40	95
60-79	90	60	150
80+	20	25	45
<b>Total</b>	<b>205</b>	<b>150</b>	<b>355</b>

Due to rounding, totals may not equal the sum of individual values

### Number of Brain Cancer Deaths in 2016

Age at Death	Males	Females	Total
0-19	10	0	10
20-39	5	5	10
40-59	45	30	70
60-79	95	50	145
80+	25	35	50
<b>Total</b>	<b>175</b>	<b>120</b>	<b>295</b>

Due to rounding, totals may not equal the sum of individual values

### Incidence Rates (per 100,000 population) for Brain Cancer Cases Diagnosed in 2016

Age at Diagnosis	Males	Females	Total
0-19	3.6	2.4	3.0
20-39	2.9	2.7	2.8
40-59	8.5	5.7	7.1
60-79	20.0	12.2	16.0
80+	21.9	20.5	21.0
<b>Total</b>	<b>8.7</b>	<b>6.3</b>	<b>7.5</b>

### Mortality Rates (per 100,000 population) for Brain Cancer Deaths in 2016

Age at Death	Males	Females	Total
0-19	1.6	0.4	1.0
20-39	1.2	0.9	1.1
40-59	6.5	4.4	5.5
60-79	20.4	10.4	15.3
80+	25.1	24.4	24.7
<b>Total</b>	<b>7.5</b>	<b>5.0</b>	<b>6.2</b>

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### Estimated New Brain Cancer Diagnoses in 2019 by Health Authority

Health Authority	Age at Diagnosis					Total*
	0-19	20-39	40-59	60-79	80+	
Interior	5	5	15	35	10	75
Fraser	15	15	40	60	10	140
Coastal	0	5	25	40	10	90
Island	5	5	15	40	15	85
Northern	10	0	0	5	5	20
<b>BC</b>	<b>30</b>	<b>40</b>	<b>95</b>	<b>185</b>	<b>50</b>	<b>405</b>

\*Due to rounding and unknown health authority of residence at time of diagnosis for some cases, totals may not equal the sum of individual values

### Estimated Brain Cancer Deaths in 2019 by Health Authority

Health Authority	Age at Diagnosis					Total*
	0-19	20-39	40-59	60-79	80+	
Interior	0	0	15	40	10	65
Fraser	10	10	30	60	15	110
Coastal	0	0	20	35	15	70
Island	5	10	15	45	10	75
Northern	0	0	0	15	0	20
<b>BC</b>	<b>5</b>	<b>15</b>	<b>75</b>	<b>180</b>	<b>55</b>	<b>340</b>

\*Due to rounding and unknown health authority of residence at time of death for some cases, totals may not equal the sum of individual values

### 1-, 3- and 5-year Observed Survival and Age-standardized Relative Survival for BC Adults (age 15-99) Diagnosed with Brain Cancer

	Observed Survival Proportion %			Relative Survival Proportion %		
	1 Year	3 Year	5 Year	1 Year	3 Year	5 Year
Survival Proportion	42.8	23.7	19.9	53.0	32.6	28.0
95% Confidence Interval	40.1 - 45.4	21.4 - 26.0	17.8 - 22.1	50.7 - 55.4	30.2 - 35.0	25.6 - 30.4