

Table 10: Primary (Malignant and Non-Malignant) Brain and Central Nervous System Tumor Incidence Rates^a and 95% Confidence Intervals By Age, Cancer Registry, and Behavior, Age-Adjusted to the 2000 U.S. Standard Population; CBTRUS Statistical Report: NPCR and SEER, 2004-2006*

State	0-19 Years		20+ Years		All Ages		All Tumors
	Malignant	Non-Malignant	Malignant	Non-Malignant	Malignant	Non-Malignant	
Alabama*	3.41 (2.84-4.06)	0.94 (0.65-1.31)	8.39 (7.84-8.98)	12.66 (11.97-13.37)	6.96 (6.53-7.42)	9.30 (8.80-9.81)	16.26 (15.60-16.94)
Alaska	2.81 (1.64-4.50)	2.75 (1.60-4.41)	8.03 (6.32-10.04)	15.22 (12.88-17.85)	6.53 (5.25-8.01)	11.64 (9.93-13.55)	18.17 (16.01-20.54)
Arkansas	2.87 (2.21-3.65)	2.54 (1.93-3.28)	8.55 (7.84-9.30)	12.81 (11.93-13.73)	6.92 (6.38-7.49)	9.86 (9.21-10.55)	16.78 (15.93-17.67)
California	2.86 (2.67-3.05)	1.51 (1.38-1.66)	8.26 (8.05-8.48)	14.92 (14.64-15.21)	6.71 (6.55-6.87)	11.08 (10.87-11.28)	17.79 (17.53-18.05)
Colorado	2.77 (2.27-3.35)	1.72 (1.33-2.19)	9.09 (8.48-9.72)	22.79 (21.81-23.79)	7.28 (6.82-7.75)	16.74 (16.04-17.47)	24.02 (23.18-24.88)
Connecticut	3.03 (2.42-3.75)	1.61 (1.18-2.16)	9.70 (9.03-10.41)	12.50 (11.74-13.30)	7.79 (7.27-8.33)	9.38 (8.82-9.97)	17.17 (16.40-17.96)
Delaware	3.44 (2.18-5.16)	-	10.26 (8.86-11.81)	12.23 (10.71-13.91)	8.30 (7.23-9.49)	9.14 (8.03-10.37)	17.44 (15.88-19.12)
District of Columbia	-	-	8.71 (7.14-10.52)	8.60 (7.04-10.39)	6.35 (5.21-7.66)	6.13 (5.02-7.41)	12.48 (10.87-14.26)
Florida	3.40 (3.09-3.73)	1.54 (1.34-1.77)	8.82 (8.54-9.11)	18.88 (18.47-19.29)	7.27 (7.05-7.49)	13.91 (13.61-14.21)	21.17 (20.80-21.54)
Georgia	2.52 (2.19-2.89)	1.53 (1.27-1.83)	8.51 (8.08-8.95)	14.86 (14.29-15.44)	6.79 (6.47-7.12)	11.03 (10.62-11.46)	17.82 (17.30-18.36)
Hawaii	2.75 (1.80-4.03)	1.99 (1.20-3.11)	5.37 (4.56-6.27)	15.09 (13.71-16.58)	4.62 (3.97-5.34)	11.34 (10.32-12.43)	15.95 (14.74-17.24)
Idaho	3.56 (2.62-4.74)	-	10.01 (8.89-11.22)	14.38 (13.04-15.82)	8.16 (7.31-9.07)	10.48 (9.51-11.51)	18.63 (17.34-20.00)
Illinois	3.05 (2.73-3.40)	1.37 (1.15-1.61)	8.75 (8.40-9.11)	15.29 (14.83-15.76)	7.12 (6.85-7.39)	11.30 (10.96-11.64)	18.41 (17.98-18.85)
Indiana	2.70 (2.27-3.18)	1.46 (1.15-1.83)	9.01 (8.51-9.53)	13.28 (12.67-13.91)	7.20 (6.82-7.59)	9.89 (9.45-10.35)	17.09 (16.50-17.69)
Iowa	3.03 (2.37-3.82)	1.37 (0.94-1.92)	9.91 (9.17-10.69)	14.38 (13.49-15.31)	7.94 (7.38-8.53)	10.64 (10.00-11.32)	18.58 (17.72-19.47)
Kentucky	3.30 (2.71-3.98)	1.97 (1.52-2.51)	8.65 (8.06-9.27)	20.55 (19.64-21.50)	7.12 (6.66-7.59)	15.22 (14.55-15.91)	22.34 (21.53-23.17)
Louisiana*	2.65 (2.16-3.22)	1.32 (0.98-1.74)	7.77 (7.21-8.36)	14.88 (14.10-15.69)	6.30 (5.88-6.75)	10.99 (10.42-11.58)	17.29 (16.58-18.03)
Maine	3.38 (2.31-4.77)	1.74 (1.01-2.80)	10.83 (9.71-12.05)	10.79 (9.67-12.01)	8.69 (7.83-9.63)	8.20 (7.36-9.10)	16.89 (15.68-18.17)
Massachusetts	3.69 (3.17-4.27)	1.62 (1.28-2.01)	9.32 (8.83-9.83)	13.38 (12.79-13.98)	7.70 (7.32-8.10)	10.00 (9.58-10.45)	17.71 (17.13-18.30)
Michigan	2.96 (2.60-3.35)	1.64 (1.37-1.93)	9.41 (9.01-9.83)	16.49 (15.96-17.03)	7.56 (7.26-7.88)	12.23 (11.84-12.62)	19.79 (19.30-20.29)
Minnesota	2.59 (2.13-3.12)	1.23 (0.92-1.61)	8.57 (8.02-9.13)	12.05 (11.41-12.71)	6.85 (6.44-7.28)	8.94 (8.48-9.43)	15.79 (15.17-16.44)
Mississippi*	2.72 (2.11-3.44)	1.26 (0.86-1.77)	8.08 (7.38-8.82)	12.26 (11.39-13.17)	6.54 (6.01-7.10)	9.10 (8.47-9.76)	15.64 (14.81-16.50)
Missouri	3.14 (2.66-3.69)	1.42 (1.11-1.81)	8.93 (8.42-9.46)	15.20 (14.54-15.89)	7.27 (6.88-7.67)	11.25 (10.77-11.75)	18.52 (17.89-19.16)
Montana	2.86 (1.77-4.37)	-	9.80 (8.53-11.22)	12.63 (11.16-14.25)	7.81 (6.84-8.89)	9.42 (8.34-10.60)	17.23 (15.76-18.80)
Nebraska	3.76 (2.84-4.88)	2.52 (1.78-3.46)	8.98 (8.06-9.99)	12.12 (11.05-13.28)	7.48 (6.77-8.26)	9.37 (8.57-10.23)	16.85 (15.77-17.99)
Nevada	2.58 (1.92-3.38)	0.94 (0.56-1.49)	8.30 (7.53-9.14)	12.73 (11.75-13.77)	6.66 (6.07-7.29)	9.35 (8.64-10.10)	16.01 (15.08-16.98)
New Hampshire	3.48 (2.42-4.84)	2.04 (1.28-3.10)	9.62 (8.52-10.83)	14.40 (13.06-15.84)	7.86 (7.01-8.79)	10.85 (9.87-11.91)	18.71 (17.40-20.10)
New Jersey	3.42 (2.99-3.88)	1.83 (1.52-2.17)	9.36 (8.94-9.80)	14.08 (13.56-14.62)	7.66 (7.33-8.00)	10.57 (10.18-10.96)	18.22 (17.72-18.74)
New Mexico	2.17 (1.52-3.01)	1.27 (0.79-1.94)	7.98 (7.14-8.89)	10.75 (9.77-11.81)	6.31 (5.68-7.00)	8.03 (7.32-8.80)	14.35 (13.38-15.36)
New York	3.53 (3.24-3.85)	2.11 (1.89-2.35)	9.00 (8.72-9.29)	19.02 (18.62-19.44)	7.43 (7.22-7.66)	14.17 (13.87-14.48)	21.61 (21.24-21.98)
North Carolina	3.43 (3.01-3.89)	1.58 (1.30-1.90)	8.93 (8.51-9.37)	14.22 (13.69-14.77)	7.35 (7.03-7.69)	10.60 (10.21-11.00)	17.95 (17.44-18.47)
North Dakota	-	-	9.70 (8.14-11.47)	11.22 (9.56-13.10)	7.77 (6.58-9.12)	8.46 (7.23-9.83)	16.23 (14.50-18.11)
Ohio	3.31 (2.95-3.71)	1.62 (1.38-1.90)	8.87 (8.51-9.24)	10.54 (10.15-10.94)	7.28 (7.00-7.56)	7.98 (7.69-8.28)	15.26 (14.86-15.67)
Oklahoma	3.34 (2.71-4.07)	1.37 (0.98-1.86)	9.36 (8.70-10.07)	11.53 (10.79-12.32)	7.64 (7.12-8.17)	8.62 (8.07-9.19)	16.25 (15.50-17.03)
Oregon	3.12 (2.50-3.84)	2.25 (1.73-2.88)	9.68 (9.02-10.38)	15.04 (14.22-15.91)	7.80 (7.29-8.33)	11.37 (10.76-12.01)	19.17 (18.37-20.00)
Pennsylvania	3.61 (3.24-4.02)	1.51 (1.28-1.78)	9.32 (8.98-9.68)	16.99 (16.52-17.47)	7.69 (7.42-7.96)	12.55 (12.21-12.90)	20.24 (19.80-20.68)
Rhode Island	4.22 (2.92-5.90)	-	9.59 (8.41-10.89)	16.90 (15.31-18.62)	8.05 (7.12-9.07)	12.36 (11.21-13.60)	20.41 (18.91-21.99)
South Carolina	3.04 (2.48-3.68)	1.34 (0.99-1.78)	8.86 (8.27-9.48)	14.24 (13.48-15.02)	7.19 (6.74-7.67)	10.54 (9.99-11.11)	17.73 (17.01-18.46)
South Dakota	2.73 (1.62-4.32)	-	8.16 (6.87-9.62)	12.34 (10.74-14.12)	6.60 (5.62-7.71)	9.02 (7.87-10.30)	15.62 (14.09-17.28)
Tennessee	2.73 (2.28-3.24)	1.65 (1.31-2.06)	8.91 (8.41-9.44)	14.74 (14.09-15.41)	7.14 (6.76-7.54)	10.98 (10.51-11.47)	18.12 (17.52-18.75)
Texas*	3.20 (2.97-3.45)	1.84 (1.66-2.04)	8.61 (8.33-8.89)	18.18 (17.78-18.59)	7.06 (6.85-7.27)	13.50 (13.20-13.79)	20.55 (20.19-20.91)
Utah	3.36 (2.69-4.14)	1.83 (1.34-2.44)	9.52 (8.61-10.50)	20.26 (18.92-21.67)	7.75 (7.07-8.48)	14.97 (14.01-15.99)	22.72 (21.54-23.96)
Vermont	-	-	10.55 (8.93-12.39)	19.24 (17.02-21.66)	8.05 (6.84-9.42)	14.05 (12.45-15.81)	22.11 (20.08-24.29)
Virginia	2.55 (2.16-2.98)	0.91 (0.69-1.18)	8.04 (7.61-8.49)	11.78 (11.26-12.33)	6.47 (6.14-6.81)	8.67 (8.29-9.06)	15.13 (14.63-15.65)
Washington	3.37 (2.88-3.92)	2.16 (1.77-2.60)	9.43 (8.92-9.97)	20.04 (19.29-20.81)	7.69 (7.30-8.10)	14.91 (14.36-15.47)	22.60 (21.93-23.30)
West Virginia	3.16 (2.27-4.29)	1.59 (0.98-2.43)	9.75 (8.85-10.72)	14.20 (13.10-15.36)	7.86 (7.16-8.61)	10.58 (9.78-11.43)	18.44 (17.37-19.56)
Wyoming	-	-	8.92 (7.23-10.89)	10.89 (9.03-13.03)	7.07 (5.79-8.55)	7.97 (6.63-9.52)	15.04 (13.16-17.12)

^aRates are per 100,000 person years

* Katrina and Rita affected state (Alabama, Louisiana, Mississippi, and Texas) rates are based on adjusted population estimates for 2005 obtained from the census data provided to the SEER program.

Abbreviations: CBTRUS, Central Brain Tumor Registry of the United States; NPCR, CDC's National Program of Cancer Registries; SEER, NCI's Surveillance, Epidemiology and End Results program; CI, confidence interval; NOS, not otherwise specified.