

TABLE 10: PRIMARY (MALIGNANT AND NON-MALIGNANT) BRAIN AND CENTRAL NERVOUS SYSTEM TUMOR INCIDENCE RATES^a AND 95% CONFIDENCE INTERVALS BY AGE, STATE, AND BEHAVIOR, AGE-ADJUSTED TO THE 2000 U.S. STANDARD POPULATION, 2004, CBTRUS SUPPLEMENT REPORT

STATE	0-19 YEARS		20+ YEARS		ALL AGES		ALL TUMORS
	MALIGNANT	NON-MALIGNANT	MALIGNANT	NON-MALIGNANT	MALIGNANT	NON-MALIGNANT	
Alabama	4.31 (3.22-5.65)	-	8.65 (7.68-9.70)	12.17 (11.02-13.41)	7.40 (6.64-8.23)	9.03 (8.19-9.93)	16.43 (15.29-17.64)
Alaska	-	-	8.37 (5.43-12.30)	8.33 (5.18-12.58)	6.96 (4.73-9.83)	6.49 (4.17-9.53)	13.44 (10.13-17.44)
Arizona	3.65 (2.80-4.68)	1.50 (0.97-2.21)	8.49 (7.62-9.44)	16.80 (15.56-18.11)	7.11 (6.43-7.83)	12.41 (11.51-13.36)	19.51 (18.38-20.69)
Arkansas	2.29 (1.33-3.66)	-	8.14 (6.96-9.46)	8.17 (6.99-9.51)	6.46 (5.57-7.45)	6.02 (5.15-6.98)	12.47 (11.22-13.83)
California	2.86 (2.55-3.20)	1.24 (1.04-1.47)	8.41 (8.05-8.79)	14.10 (13.63-14.59)	6.82 (6.54-7.11)	10.41 (10.07-10.76)	17.23 (16.79-17.68)
Colorado	2.90 (2.05-3.99)	1.94 (1.25-2.86)	8.53 (7.52-9.64)	22.20 (20.53-23.97)	6.92 (6.15-7.75)	16.39 (15.18-17.67)	23.30 (21.86-24.81)
Connecticut	3.49 (2.38-4.92)	1.67 (0.96-2.72)	9.34 (8.21-10.59)	10.73 (9.52-12.05)	7.66 (6.79-8.63)	8.13 (7.24-9.11)	15.80 (14.53-17.14)
Delaware	-	-	10.09 (7.75-12.92)	9.32 (7.09-12.03)	8.27 (6.46-10.45)	7.17 (5.51-9.19)	15.45 (12.93-18.31)
District of Columbia	-	-	8.07 (5.50-11.41)	11.35 (8.30-15.14)	6.03 (4.13-8.51)	8.09 (5.92-10.82)	14.13 (11.16-17.64)
Georgia	2.63 (2.04-3.33)	1.70 (1.24-2.29)	8.79 (8.03-9.60)	12.17 (11.27-13.11)	7.02 (6.45-7.63)	9.17 (8.51-9.86)	16.19 (15.31-17.10)
Hawaii	-	-	5.26 (3.92-6.91)	14.81 (12.45-17.48)	4.69 (3.60-6.02)	11.17 (9.44-13.14)	15.86 (13.78-18.18)
Idaho	4.34 (2.57-6.85)	-	9.19 (7.36-11.33)	14.36 (12.04-16.99)	7.79 (6.37-9.44)	10.52 (8.84-12.41)	18.31 (16.08-20.75)
Illinois	2.93 (2.40-3.55)	1.17 (0.85-1.59)	8.67 (8.07-9.31)	13.45 (12.70-14.24)	7.02 (6.57-7.50)	9.93 (9.39-10.50)	16.96 (16.24-17.69)
Indiana	2.54 (1.86-3.40)	1.40 (0.91-2.07)	9.21 (8.34-10.15)	13.40 (12.34-14.52)	7.30 (6.64-8.01)	9.96 (9.19-10.77)	17.26 (16.24-18.32)
Iowa	3.13 (2.01-4.66)	-	9.29 (8.07-10.63)	14.52 (13.00-16.17)	7.52 (6.59-8.55)	10.58 (9.48-11.78)	18.10 (16.65-19.66)
Kentucky	3.73 (2.68-5.06)	1.82 (1.11-2.82)	8.57 (7.56-9.67)	15.68 (14.31-17.16)	7.18 (6.39-8.04)	11.71 (10.70-12.79)	18.89 (17.60-20.24)
Louisiana	3.24 (2.33-4.37)	1.76 (1.12-2.65)	7.46 (6.54-8.48)	13.60 (12.34-14.96)	6.25 (5.53-7.03)	10.21 (9.29-11.20)	16.46 (15.28-17.70)
Maine	-	-	11.99 (9.97-14.30)	9.38 (7.63-11.42)	9.75 (8.18-11.54)	7.01 (5.73-8.51)	16.76 (14.70-19.03)
Massachusetts	4.23 (3.29-5.36)	1.89 (1.28-2.68)	8.95 (8.13-9.84)	13.07 (12.07-14.13)	7.60 (6.94-8.30)	9.86 (9.12-10.64)	17.46 (16.47-18.49)
Michigan	2.96 (2.35-3.67)	1.38 (0.98-1.89)	9.28 (8.60-10.01)	14.14 (13.29-15.03)	7.47 (6.95-8.02)	10.48 (9.86-11.13)	17.95 (17.14-18.79)
Minnesota	3.12 (2.27-4.19)	1.18 (0.69-1.90)	9.14 (8.18-10.18)	12.32 (11.21-13.50)	7.41 (6.68-8.21)	9.12 (8.32-9.98)	16.53 (15.44-17.69)
Mississippi	2.63 (1.65-3.98)	-	7.90 (6.73-9.22)	10.36 (9.00-11.86)	6.39 (5.50-7.38)	7.74 (6.74-8.83)	14.12 (12.78-15.57)
Montana	-	-	8.56 (6.56-10.99)	11.02 (8.67-13.80)	7.09 (5.52-8.97)	7.99 (6.30-10.01)	15.08 (12.73-17.75)
Nebraska	3.50 (2.04-5.60)	-	8.04 (6.56-9.75)	8.07 (6.60-9.78)	6.74 (5.58-8.06)	6.28 (5.18-7.56)	13.02 (11.40-14.80)
Nevada	2.56 (1.49-4.09)	-	8.61 (7.23-10.18)	10.30 (8.78-12.01)	6.87 (5.83-8.05)	7.71 (6.60-8.96)	14.59 (13.04-16.26)
New Hampshire	-	-	10.05 (8.14-12.28)	14.14 (11.86-16.73)	8.35 (6.86-10.07)	10.23 (8.60-12.10)	18.58 (16.34-21.06)
New Jersey	3.07 (2.40-3.86)	1.22 (0.82-1.75)	9.47 (8.74-10.25)	12.33 (11.49-13.22)	7.63 (7.07-8.23)	9.15 (8.53-9.79)	16.78 (15.94-17.65)
New Mexico	-	-	7.59 (6.19-9.22)	7.96 (6.52-9.62)	6.20 (5.13-7.43)	5.77 (4.74-6.97)	11.97 (10.46-13.65)
New York	3.60 (3.10-4.16)	1.96 (1.60-2.39)	8.79 (8.31-9.29)	17.32 (16.64-18.01)	7.30 (6.93-7.69)	12.91 (12.42-13.42)	20.21 (19.59-20.85)
North Carolina	3.33 (2.64-4.15)	0.98 (0.62-1.47)	8.36 (7.65-9.11)	12.70 (11.82-13.62)	6.92 (6.37-7.50)	9.34 (8.70-10.01)	16.25 (15.41-17.13)
North Dakota	-	-	8.93 (6.46-12.03)	9.87 (7.32-13.04)	7.42 (5.49-9.83)	7.40 (5.52-9.73)	14.82 (12.07-18.04)
Ohio	3.24 (2.63-3.94)	0.93 (0.62-1.34)	8.05 (7.46-8.67)	8.11 (7.52-8.74)	6.67 (6.21-7.15)	6.05 (5.62-6.51)	12.72 (12.08-13.38)
Oklahoma	3.97 (2.81-5.45)	1.97 (1.18-3.07)	9.05 (7.94-10.28)	9.12 (8.00-10.37)	7.59 (6.72-8.55)	7.07 (6.23-8.00)	14.67 (13.44-15.97)
Oregon	2.97 (1.98-4.30)	1.78 (1.04-2.85)	10.03 (8.85-11.31)	14.47 (13.05-16.00)	8.00 (7.11-8.98)	10.83 (9.79-11.95)	18.83 (17.45-20.29)
Pennsylvania	3.45 (2.83-4.17)	1.16 (0.82-1.60)	9.30 (8.70-9.92)	13.83 (13.11-14.59)	7.62 (7.16-8.10)	10.20 (9.67-10.75)	17.82 (17.11-18.54)
Rhode Island	-	-	10.46 (8.36-12.92)	16.31 (13.67-19.31)	8.63 (6.99-10.54)	11.84 (9.94-14.00)	20.47 (17.92-23.28)
South Dakota	-	-	9.50 (7.14-12.40)	13.20 (10.41-16.52)	8.11 (6.25-10.36)	9.56 (7.55-11.95)	17.67 (14.88-20.84)
Tennessee	2.78 (2.01-3.74)	1.46 (0.93-2.19)	9.13 (8.25-10.07)	11.78 (10.78-12.84)	7.31 (6.64-8.02)	8.82 (8.09-9.60)	16.12 (15.13-17.17)
Texas	3.19 (2.78-3.63)	1.71 (1.42-2.05)	8.74 (8.26-9.24)	15.96 (15.31-16.64)	7.15 (6.79-7.53)	11.88 (11.40-12.37)	19.02 (18.42-19.64)
Utah	3.20 (2.10-4.66)	-	9.54 (7.97-11.33)	20.91 (18.55-23.49)	7.72 (6.55-9.04)	15.31 (13.61-17.16)	23.03 (20.95-25.26)
Virginia	2.41 (1.79-3.19)	-	8.43 (7.66-9.25)	10.03 (9.20-10.92)	6.70 (6.12-7.32)	7.35 (6.75-7.99)	14.05 (13.21-14.93)
Washington	3.35 (2.53-4.35)	2.12 (1.49-2.94)	9.82 (8.91-10.80)	18.40 (17.16-19.71)	7.97 (7.27-8.71)	13.73 (12.82-14.69)	21.70 (20.55-22.90)
West Virginia	4.87 (3.01-7.44)	-	9.16 (7.68-10.85)	11.26 (9.60-13.14)	7.93 (6.72-9.29)	8.42 (7.20-9.80)	16.35 (14.61-18.25)
Wisconsin	2.68 (1.90-3.66)	-	9.16 (8.25-10.13)	9.64 (8.70-10.64)	7.30 (6.61-8.04)	6.95 (6.28-7.67)	14.24 (13.28-15.26)
Wyoming	-	-	9.15 (6.30-12.85)	11.52 (8.33-15.55)	7.39 (5.20-10.20)	8.46 (6.14-11.38)	15.85 (12.58-19.73)
TOTAL	3.16 (3.03-3.30)	1.37 (1.29-1.46)	8.79 (8.66-8.93)	13.52 (13.35-13.69)	7.18 (7.07-7.28)	10.04 (9.91-10.16)	17.21 (17.05-17.37)

^aRates are per 100,000 person-years.

Abbreviation: CBTRUS, Central Brain Tumor Registry of the United States.