

Supplemental Information

SUPPLEMENTAL TABLE 3 Cancer Incidence Rates and APC of Rates in Children and Adolescents (Ages 0–19 Years) by Race/Ethnicity, United States, 2001–2009

ICCC Group	Non-Hispanic White			Non-Hispanic Black			Hispanic		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
All ICCC groups combined	74 965	180.03	0.0 (–0.5 to 0.5)	13 180	130.08	1.5 (0.3 to 2.7) ^c	24 421	168.94	0.6 (0.0 to 1.3)
I Leukemias, myeloproliferative, myelodysplastic diseases	18 364	44.89	–0.2 (–1.1 to 0.7)	2854	28.28	1.4 (–0.2 to 3.0)	8433	56.62	1.3 (0.1 to 2.6) ^c
I(a) Lymphoid leukemias	13 291	32.69	–0.1 (–1.2 to 0.9)	1707	16.99	2.0 (–0.4 to 4.5)	6326	42.25	1.6 (0.1 to 3.1) ^c
I(b) Acute myeloid leukemias	3149	7.58	–0.8 (–2.3 to 0.8)	735	7.25	–0.3 (–5.3 to 4.9)	1272	8.72	0.2 (–1.7 to 2.1)
I(c) Chronic myeloproliferative diseases	864	2.04	0.7 (–1.7 to 3.2)	202	1.97	—	360	2.51	1.9 (–4.7 to 9.0)
I(d) Myelodysplastic syndrome, other myeloproliferative	614	1.49	0.0 (–5.8 to 6.2)	119	1.17	—	228	1.49	–2.0 (–6.5 to 2.8)
I(e) Unspecified and other specified leukemias	446	1.08	–0.7 (–4.9 to 3.7)	91	0.90	—	247	1.65	3.0 (–2.5 to 8.8)
II Lymphomas and reticuloendothelial neoplasms	11 198	26.28	0.5 (–0.3 to 1.3)	2223	21.76	2.4 (–0.3 to 5.2)	3020	22.23	–0.9 (–1.9 to 0.2)
II(a) Hodgkin's lymphomas	5921	13.68	0.3 (–0.5 to 1.2)	1031	10.05	3.2 (0.4 to 6.1) ^c	1420	10.83	–0.2 (–2.5 to 2.1)
II(b) Non-Hodgkin's lymphomas (except Burkitt lymphoma)	3600	8.53	0.4 (–1.0 to 1.7)	939	9.20	1.1 (–2.6 to 4.9)	1089	7.99	–0.2 (–3.0 to 2.6)
II(c) Burkitt lymphoma	1202	2.91	0.4 (–2.9 to 3.8)	161	1.60	—	252	1.77	5.6 (–13.1 to 2.6)
II(d) Miscellaneous lymphoreticular neoplasms	348	0.86	5.3 (–0.3 to 11.2)	51	0.51	—	202	1.22	—
II(e) Unspecified lymphomas	127	0.30	—	41	0.40	—	57	0.41	—
III CNS and miscellaneous intracranial and intraspinal neoplasms	13 858	33.78	0.0 (–1.2 to 1.3)	2338	23.27	1.1 (–1.0 to 3.2)	3719	25.22	–1.0 (–2.6 to 0.6)
III(a) Ependymomas and choroid plexus tumor	1091	2.66	–1.4 (–4.6 to 1.9)	199	1.98	–1.7 (–9.1 to 6.2)	407	2.68	–2.3 (–6.5 to 2.2)
III(b) Astrocytomas	7162	17.41	–0.1 (–1.5 to 1.3)	1116	11.09	2.1 (–1.6 to 6.1)	1673	11.53	–0.5 (–2.8 to 1.9)
III(c) Intracranial and intraspinal embryonal tumors	2809	6.92	–0.1 (–2.2 to 2.1)	417	4.16	–1.4 (–3.4 to 0.6)	875	5.76	–2.1 (–5.2 to 1.1)
III(d) Other gliomas	2356	5.72	1.2 (–0.7 to 3.1)	439	4.39	2.1 (–1.8 to 6.2)	628	4.32	–1.4 (–6.5 to 4.0)
III(e) Other specified intracranial/intraspinal neoplasms	251	0.61	–3.3 (–8.9 to 2.7)	117	1.16	—	73	0.50	—
III(f) Unspecified intracranial and intraspinal neoplasms	189	0.46	—	50	0.49	—	63	0.43	—
IV Neuroblastoma, other peripheral nervous cell tumors	3893	9.70	–0.9 (–2.8 to 1.0)	719	7.15	1.3 (–2.8 to 5.5)	920	5.40	–2.3 (–6.0 to 1.4)
IV(a) Neuroblastoma and ganglioneuroblastoma	3807	9.49	–1.0 (–2.8 to 0.9)	698	6.95	1.3 (–2.5 to 5.2)	893	5.21	–2.9 (–6.5 to 0.9)
IV(b) Other peripheral nervous cell tumors	86	0.20	—	21	0.21	—	27	0.19	—
V Retinoblastoma	1034	2.58	–0.6 (–2.3 to 1.1)	359	3.55	–0.1 (–3.0 to 2.8)	600	3.43	–0.7 (–5.2 to 3.9)
VI Renal tumors	2778	6.90	–0.1 (–1.6 to 1.5)	831	8.30	2.9 (1.8 to 4.0) ^c	825	5.05	0.5 (–3.0 to 4.0)
VI(a) Nephroblastoma, other nonepithelial renal tumors	2548	6.36	–0.3 (–1.7 to 1.1)	706	7.08	2.8 (1.5 to 4.0) ^c	763	4.58	–0.1 (–3.6 to 3.6)
VI(b) Renal carcinomas	215	0.50	3.6 (–2.5 to 10.1)	121	1.18	—	59	0.45	—
VI(c) Unspecified malignant renal tumors	—	—	—	—	—	—	—	—	—
VII Hepatic tumors	826	2.02	1.0 (–1.8 to 3.8)	150	1.48	—	363	2.25	3.5 (–5.6 to 13.4)
VII(a) Hepatoblastoma	592	1.48	0.7 (–2.6 to 4.1)	94	0.93	—	274	1.59	3.1 (–6.5 to 13.7)
VII(b) Hepatic carcinomas	224	0.52	1.8 (–3.7 to 7.5)	55	0.54	—	87	0.65	—
VII(c) Unspecified malignant hepatic tumors	—	—	—	—	—	—	—	—	—
VIII Malignant bone tumors	3931	9.28	–1.0 (–2.2 to 0.2)	752	7.37	–0.9 (–4.8 to 3.3)	1255	9.49	0.5 (–1.7 to 2.7)
VIII(a) Osteosarcomas	1967	4.63	–0.7 (–2.6 to 1.3)	601	5.89	–1.1 (–6.0 to 4.1)	770	5.87	0.8 (–1.7 to 3.7)

SUPPLEMENTAL TABLE 3 Continued

ICCC Group	Non-Hispanic White			Non-Hispanic Black			Hispanic		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
VIII(b) Chondrosarcomas	172	0.40	—	23	0.22	—	38	0.29	—
VIII(c) Ewing tumor and related sarcomas of bone	1544	3.67	-1.5 (-3.7 to 0.7)	65	0.64	—	349	2.60	0.7 (-3.2 to 4.7)
VIII(d) Other specified malignant bone tumors	179	0.42	—	39	0.38	—	60	0.45	—
VIII(e) Unspecified malignant bone tumors	69	0.16	—	24	0.24	—	38	0.28	—
IX Soft tissue and other extraosseous sarcomas	5027	12.04	0.0 (-0.8 to 0.7)	1307	12.85	1.9 (-0.1 to 3.9)	1628	11.49	-0.2 (-2.2 to 1.8)
IX(a) Rhabdomyosarcomas	1987	4.84	-2.3 (-4.7 to 0.2)	508	5.04	3.0 (-1.8 to 7.9)	654	4.42	0.2 (-4.7 to 5.4)
IX(b) Fibrosarcomas, peripheral nerve, other fibrous	555	1.32	2.2 (-1.7 to 6.5)	149	1.46	—	198	1.40	-6.7 (-10.9 to -2.3) ^c
IX(c) Kaposi sarcoma	—	—	—	—	—	—	—	—	—
IX(d) Other specified soft tissue sarcomas	1977	4.67	0.9 (-1.5 to 3.3)	504	4.93	1.4 (-2.2 to 5.1)	616	4.53	0.6 (-2.3 to 3.7)
IX(e) Unspecified soft tissue sarcomas	501	1.19	3.1 (-1.3 to 7.7)	134	1.31	—	156	1.11	—
X Germ cell, trophoblastic tumors, neoplasms of gonads	4744	11.03	0.1 (-1.6 to 1.7)	634	6.18	1.5 (-0.1 to 3.0)	1900	14.26	1.8 (-0.6 to 3.8)
X(a) Intracranial and intraspinal germ cell tumors	669	1.59	0.9 (-3.1 to 5.0)	97	0.95	—	243	1.81	-0.3 (-4.8 to 4.4)
X(b) Extracranial and extragonadal germ cell tumors	551	1.35	-0.6 (-4.9 to 3.8)	148	1.45	—	246	1.66	-4.5 (-7.8 to -1.2) ^c
X(c) Malignant gonadal germ cell tumors	3223	7.40	0.1 (-1.7 to 1.8)	331	3.22	3.5 (-0.8 to 8.0)	1304	9.96	2.5 (-0.7 to 5.8)
X(d) Gonadal carcinomas	179	0.41	2.0 (-2.4 to 6.5)	16	0.16	—	65	0.51	—
X(e) Other and unspecified malignant gonadal tumors	122	0.28	—	42	0.41	—	42	0.32	—
XI Other malignant epithelial neoplasms and melanomas	8984	20.74	0.3 (-0.1 to 1.6)	934	9.09	1.4 (-2.9 to 5.9)	1639	12.67	4.5 (2.7 to 7.1) ^c
XI(a) Adrenocortical carcinomas	100	0.24	—	—	—	—	30	0.20	—
XI(b) Thyroid carcinomas	3393	7.81	4.0 (1.9 to 6.2) ^c	243	2.36	6.8 (0.7 to 13.2) ^c	838	6.53	9.1 (5.4 to 12.8) ^c
XI(c) Nasopharyngeal carcinomas	141	0.33	—	176	1.71	—	61	0.48	—
XI(d) Malignant melanomas	3499	8.08	-3.5 (-6.3 to -0.5) ^c	52	0.51	—	218	1.64	-2.0 (-5.7 to 1.9)
XI(e) Skin carcinomas	38	0.09	—	—	—	—	—	—	—
XI(f) Other and unspecified carcinomas	1813	4.19	1.0 (-0.3 to 2.2)	447	4.35	-0.6 (-4.5 to 3.4)	485	3.78	1.1 (-1.9 to 4.1)
XII Other and unspecified malignant neoplasms	328	0.78	-1.3 (-5.6 to 3.2)	79	0.77	—	119	0.83	—

^a Rates are per million and were age-adjusted to the 2000 US standard population (19 age groups, Census P25-1130) standard. Rate statistics were not displayed if case count was < 16 cases.

^b APCs were calculated by using weighted least squares method. Statistical significance was determined if the 95% CI of APC did not include zero ($P < .05$). APC was not calculated if case count was < 16 cases in any 1 year. Some significant values appear to include zero because APC was rounded to the nearest 10th.

^c Denotes significant APC.

SUPPLEMENTAL TABLE 4 Cancer Incidence Rates and APC of Rates in Children and Adolescents (Ages 0–19 Years) by Region and by Race or Ethnicity, United States, 2001–2009

	White			African American		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
Total	97 765	177.91	0.0 (–0.5 to 0.5)	13 779	127.29	1.3 (0.2 to 2.5) ^c
Northeast	19 148	189.93	0.1 (–0.5 to 0.8)	2859	135.88	0.5 (–0.5 to 1.5)
Midwest	23 857	174.84	0.1 (–0.4 to 0.6)	2839	124.09	0.1 (–2.3 to 2.6)
South	29 430	174.72	0.0 (–0.7 to 0.7)	6766	129.18	2.6 (1.3 to 3.8) ^c
West	25 330	176.34	–0.1 (–1.1 to 1.0)	1315	109.97	–0.4 (–2.2 to 1.5)
	Non-Hispanic			Hispanic		
	Count	Rate ^a	APC ^b (95% CI)	Count	Rate ^a	APC ^b (95% CI)
Total	95 716	171.66	0.3 (–0.2 to 0.7)	24 421	168.94	0.6 (0.0 to 1.3)
Northeast	20 452	185.16	0.2 (–0.6 to 1.1)	3247	170.86	0.3 (–1.3 to 2.0)
Midwest	25 952	171.57	0.3 (–0.5 to 1.0)	2304	162.76	0.9 (–1.6 to 3.5)
South	29 692	162.39	0.7 (0.0 to 1.5) ^c	8281	177.72	–0.3 (–1.1 to 0.5)
West	19 620	173.62	–0.3 (–1.3 to 0.7)	10 589	163.47	1.3 (0.1 to 2.5) ^c

^a Rates are per million and were age-adjusted to the 2000 US standard population (19 age groups, Census P25-1130) standard. Rate statistics were not displayed if case count was <16 cases.

^b APCs were calculated by using weighted least squares method. Statistical significance was determined if the 95% CI of APC did not include zero ($P < .05$). APC was not calculated if case count was <16 cases in any 1 year. Some significant values appear to include zero because APC was rounded to the nearest 10th.

^c Denotes significant APC.