

Supplementary materials

International patterns and trends of childhood and adolescent cancer, 1978-2012

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Supplementary Table 1

Registries of this study.

Country	Numbers of registries	Name of Registry	Period	Populations (0-14 years)	Populations (15-10 years)
USA	8	USA, California, San Francisco; USA, Connecticut; USA, Georgia, Atlanta; USA, Iowa; USA, Michigan, Detroit; USA, New Mexico; USA, Utah; USA, Washington, Seattle	1978-2012	183029561	61972851
USA, Hawaii	1	USA, Hawaii	1978-2012	7886382	2671282
Canada	8	Canada, Alberta; Canada, British Columbia; Canada, Manitoba; Canada, New Brunswick; Canada, Nova Scotia; Canada, Prince Edward Island; Canada, Ontario; Canada, Saskatchewan	1978-2012	147387969	53987865
Colombia	1	Colombia, Cali	1977-2012	23137966	7801703
China	1	China, Shanghai City	1978-2012	27919252	13752509
China, Hong Kong	1	China, Hong Kong	1978-2012	39665400	16182300
India	2	India, Mumbai; India, Chennai	1978-2012	139771666	49498332
Israel	1	Israel	1977-2012	67738220	19364028
Japan	4	Japan, Hiroshima City; Japan, Miyagi Prefecture; Japan, Nagasaki City; Japan, Osaka Prefecture	1978-2012	77454453	30352666
Kuwait	1	Kuwait	1979-2012	19460186	4974180
France	4	France, Bas-Rhin; France, Calvados; France, Doubs; France, Isere	1978-2012	22141176	8055180
Germany	1	Germany, Saarland	1978-2012	5408451	2288805
Italy	3	Italy, Parma Province; Italy, Ragusa Province; Italy, Varese Province	1978-2012	7796847	3059876
Slovakia	1	Slovakia	1978-2010	38330405	38330405
Slovenia	1	Slovenia	1978-2012	12689895	4755221
Spain	2	Spain, Navarra; Spain, Tarragona	1978-2012	6446614	2460675
Switzerland	3	Switzerland, Geneva; Switzerland, Neuchatel; Switzerland, Vaud	1978-2012	6619303	2431997

UK	1	UK, Scotland	1978-2012	84344888	30961198
Denmark	1	Denmark	1978-2012	34060407	12066187
Iceland	1	Iceland	1973-2012	2587905	874573
Norway	1	Norway	1978-2012	30595096	10572919
Australia	5	Australia, New South Wales; Australia, South; Australia, Tasmania; Australia, Victoria; Australia, Western	1978-2012	101646712	35459800
New Zealand	1	New Zealand; (New Zealand Maori+New Zealand Non-Maori)	1978-2012	29857588	10429808

Supplementary Table 2.1

Age standardized incidence rates (per 1,000,000 person-years) of leukemia among children aged 0-14 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	38.99	41.37	43.38	39.43	48.44	47.49	37.48	0.1	-9.9-11.4
USA, Hawaii	34.55	58.64	46.18	53.82	48.91	48.36	42.33	0.7	-1.3-2.8
Canada	43.26	48.81	44.99	47.63	49.07	50.44	55.27	2.7	1.4-4.1
Colombia	43.30	39.37	42.92	58.52	55.22	52.34	59.62	8.1	3.7-12.6
Asia									
China	42.75	42.21	34.72	38.10	30.41	34.27	39.48	-1.6	-3.4-0.2
China, Hong Kong	62.72	71.26	58.12	43.40	43.16	54.03	55.93	11.4	3.9-19.5
India	22.22	25.67	24.80	31.04	32.94	34.87	34.54	8.1	6.5-9.8
Israel	25.65	23.89	26.10	29.62	35.45	40.47	37.42	9.0	2.8-15.7
Japan	39.24	38.87	37.40	41.63	34.27	44.78	48.00	3.8	-2.2-10.1
Kuwait	22.16	30.33	31.58	30.43	68.26	51.69	51.63	15.5	1.3-31.7
Europe, Other									
France	37.73	28.21	32.31	35.62	36.34	49.83	50.54	7.5	1.6-13.7
Germany	30.92	41.68	29.70	54.45	37.04	45.08	48.85	5.5	-5.6-17.9
Italy	50.95	42.00	49.33	39.41	69.47	55.16	53.39	3.5	-10.8-20.1
Slovakia	39.72	32.51	39.03	35.12	38.52	43.76	45.40	4.1	2.4-5.9
Slovenia	31.99	34.12	39.91	35.06	44.60	41.21	45.00	6.6	5.5-7.6
Spain	47.40	34.12	39.16	49.43	43.68	46.51	40.13	1.8	-1.9-5.6
Switzerland	35.50	45.18	34.48	49.92	46.26	42.30	53.21	4.5	-2.5-12.1
UK	40.12	38.57	43.54	46.19	49.52	48.57	44.61	2.1	-0.3-4.6
Europe, Scandinavian Countries									
Denmark	37.40	50.22	45.92	43.74	48.37	49.36	48.87	2.6	0.2-5
Iceland	38.88	47.63	44.03	24.02	37.62	33.90	56.97	1.4	-8.9-12.8
Norway	40.72	45.68	37.13	43.10	47.71	49.92	46.45	2.2	-1.6-6
Oceania									
Australia	49.79	44.17	48.91	46.66	52.54	58.20	56.88	3.6	0.4-7
New Zealand	42.45	52.28	48.12	51.33	52.94	50.63	57.55	3.2	0.1-6.4

Abbreviation: APPC, average period percentage change.

Supplementary Table 2.2

Age standardized incidence rates (per 1,000,000 person-years) of CNS tumor among children aged 0-14 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	26.16	28.76	33.22	29.76	34.84	31.82	36.36	5.0	0.4-9.8
USA, Hawaii	20.72	32.26	31.72	33.41	34.59	26.44	26.02	2.1	-3.3-7.8
Canada	25.64	31.20	31.58	30.36	26.39	30.01	35.66	3.0	-3.1-9.6
Colombia	18.45	20.83	13.66	16.24	19.97	20.51	21.80	0.7	-3.7-5.2
Asia									
China	16.75	16.60	22.61	21.20	17.19	16.20	18.06	-0.3	-3.3-2.8
China, Hong Kong	13.12	24.32	23.53	24.19	20.08	22.52	20.46	3.1	-2.1-8.6
India	8.46	10.94	11.28	13.99	15.52	13.36	14.10	9.1	4.1-14.3
Israel	22.25	28.15	23.25	24.73	25.70	28.81	30.61	3.4	2.2-4.7
Japan	21.14	22.96	21.59	17.84	17.46	20.70	20.08	-2.4	-5.8-1.1
Kuwait	8.85	12.73	16.69	19.71	18.08	15.15	10.91	6.0	1-11.3
Europe, Other									
France	23.70	22.31	26.05	21.74	20.69	18.01	23.19	-5.2	-7.4--2.9
Germany	18.11	39.95	30.74	43.36	29.12	45.70	27.84	5.3	-11.1-24.7
Italy	28.15	29.74	28.24	36.38	32.26	32.38	24.39	-1.7	-10.4-7.9
Slovakia	22.39	31.05	24.83	26.30	23.22	23.26	36.41	0.5	-10.6-13
Slovenia	21.78	16.76	18.59	26.34	20.09	25.25	28.56	6.8	-2.3-16.7
Spain	29.44	27.91	20.68	25.13	31.88	28.42	19.44	-4.9	-7.1--2.6
Switzerland	17.28	25.33	18.32	31.93	24.16	17.28	12.77	-3.8	-4.7--2.9
UK	23.67	30.56	31.07	25.48	18.36	20.86	21.06	-2.4	-7.7-3.1
Europe, Scandinavian Countries									
Denmark	28.32	35.61	33.56	37.60	20.85	16.25	17.86	-10.4	-21.5-2.4
Iceland	26.87	31.69	22.02	46.18	15.19	21.54	14.78	-11.4	-37.3-25.3
Norway	31.92	40.07	34.38	40.52	23.09	32.50	27.36	-4.2	-16.5-10
Oceania									
Australia	27.91	26.64	27.57	31.00	24.46	21.38	24.39	-4.1	-5.9--2.3
New Zealand	35.89	34.28	35.39	31.83	23.05	20.64	21.05	-9.6	-15.7--3.1

Abbreviations: APPC, average period percentage change; CNS, central nervous system.

Supplementary Table 2.3

Age standardized incidence rates (per 1,000,000 person-years) of lymphoma among children aged 0-14 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	15.16	16.17	14.30	13.48	15.17	15.38	19.22	1.6	-2.0-5.4
USA, Hawaii	9.84	22.52	7.78	11.90	16.77	9.73	25.92	8.1	-12.5- 33.6
Canada	16.67	16.31	16.66	14.98	15.38	16.53	17.67	1.0	-2.7-4.9
Colombia	20.42	16.59	25.03	19.51	17.14	22.80	18.90	1.5	-8.3-12.3
Asia									
China	11.25	13.09	12.25	13.88	12.32	11.93	9.64	-1.6	-4.4-1.2
China, Hong Kong	17.60	17.12	16.97	12.72	10.85	9.18	10.04	-11.5	-16--6.7
India	11.48	12.50	13.15	13.42	16.05	11.27	12.89	0.4	-6.5-7.8
Israel	25.21	20.28	25.42	25.29	22.29	25.48	29.66	3.2	-2.5-9.3
Japan	10.49	14.12	13.02	12.47	11.56	10.99	10.75	-2.0	-3.1--1
Kuwait	15.76	27.00	30.09	18.08	27.66	25.37	18.59	2.5	-11.6-18.7
Europe, Other									
France	17.92	18.93	18.56	22.14	17.81	15.77	25.10	5.1	2.5-7.7
Germany	18.44	18.67	23.28	15.76	13.38	12.87	13.33	-7.1	-10.9--3.2
Italy	19.32	17.92	18.46	30.37	44.48	23.11	31.43	11.8	-6.4-33.5
Slovakia	20.78	21.93	20.83	17.51	20.32	15.93	18.39	-4.4	-11.9-3.8
Slovenia	16.14	19.69	18.07	19.77	20.42	18.00	21.16	2.5	-2-7.1
Spain	19.74	18.19	24.75	19.94	24.42	26.31	31.59	8.2	5.9-10.5
Switzerland	12.22	17.96	22.40	32.24	22.34	12.85	22.86	9.0	-8.3-29.5
UK	13.48	12.79	14.44	12.32	15.22	12.01	15.31	2.1	-3.6-8
Europe, Scandinavian Countries									
Denmark	14.55	13.40	11.17	16.01	13.29	15.29	22.34	5.5	-5.6-17.9
Iceland	10.85	9.45	6.28	21.61	5.89	11.94	14.97	-9.5	-18.7-0.6
Norway	12.04	13.55	9.49	14.57	13.56	15.35	22.48	11.3	7.4-15.3
Oceania									
Australia	16.28	14.39	16.49	16.90	15.06	15.91	18.88	2.3	-3.4-8.4
New Zealand	16.41	13.37	16.70	16.74	10.14	13.70	13.64	-2.3	-14.1-11.1

Abbreviation: APPC, average period percentage change.

Supplementary Table 2.4

Age-standardized incidence rates (per 1,000,000 person-years) of kidney cancer among children aged 0-14 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	9.51	9.42	9.25	9.54	9.35	7.40	9.16	-1.9	-9.6-6.5
USA, Hawaii	7.89	9.38	3.59	3.01	3.26	4.95	1.53	-20.4	-43.5-12.3
Canada	7.51	10.01	8.83	9.23	9.07	8.42	8.20	-0.5	-1.4-0.5
Colombia	6.84	8.10	6.47	4.30	5.95	7.43	4.92	-6.1	-20.8-11.4
Asia									
China	3.06	3.09	4.77	4.77	5.16	3.00	3.55	2.1	-3.1-7.5
China, Hong Kong	8.18	5.73	3.13	3.06	1.92	4.17	4.32	-8.1	-23.7-10.8
India	4.23	4.64	3.48	4.76	4.80	3.88	3.28	7.7	2.1-13.6
Israel	7.95	6.40	4.81	6.01	7.39	7.72	7.29	0.3	-5.1-6.1
Japan	4.86	5.14	5.12	3.70	3.51	2.98	3.63	-8.3	-13.9--2.4
Kuwait	5.16	5.78	2.36	5.38	17.82	4.57	6.26	9.4	1.9-17.5
Europe, Other									
France	10.99	10.35	10.03	10.48	11.22	7.83	6.75	-5.6	-7.4--3.7
Germany	9.55	13.43	6.35	6.25	7.00	1.40	9.22	-10.1	-34.6-23.7
Italy	6.90	9.17	7.89	11.25	11.43	10.32	10.33	6.7	4.7-8.7
Slovakia	7.97	6.36	7.10	8.60	8.55	10.83	8.62	7.7	-0.9-17
Slovenia	6.83	5.89	3.64	12.32	15.19	8.21	5.30	-10.2	-20.9-1.9
Spain	6.32	2.49	7.42	9.40	5.67	9.12	12.16	18.1	1.2-37.9
Switzerland	8.78	4.97	5.59	9.23	6.75	6.65	5.62	0.9	-4.1-6.1
UK	8.23	8.55	7.70	6.36	7.65	7.09	8.03	-0.7	-3.5-2.3
Europe, Scandinavian Countries									
Denmark	9.14	12.18	5.85	7.51	8.05	5.53	9.57	-5.5	-17.9-8.8
Iceland	8.00	3.19	0.00	9.01	9.29	3.20	5.84	8.5	-12.1-34.1
Norway	8.04	7.59	5.90	7.56	7.82	8.49	7.05	-0.3	-5.7-5.4
Oceania									
Australia	7.62	7.97	7.62	9.04	8.91	8.98	8.45	4.1	2.8-5.5
New Zealand	6.87	12.49	9.35	8.30	9.41	7.94	7.06	-3.9	-9.7-2.4

Abbreviation: APPC, average period percentage change.

Supplementary Table 2.5

Age-standardized incidence rates (per 1,000,000 person-years) of bone cancer among children aged 0-14 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	6.87	6.91	6.76	6.22	6.57	6.51	8.07	1.9	-5.2-9.5
USA, Hawaii	1.97	13.43	2.94	9.72	5.63	5.83	9.57	12.9	-6.8- 36.8
Canada	7.21	7.54	6.35	6.68	7.54	7.14	6.72	3.7	1-6.4
Colombia	4.00	5.23	4.91	4.47	5.63	9.31	7.36	10	-6-28.7
Asia									
China	2.30	4.41	4.38	5.40	4.80	4.94	5.34	9.6	5-14.5
China, Hong Kong	5.33	7.04	6.27	6.45	6.23	6.54	6.00	0.2	-2.2-2.5
India	4.36	4.67	4.46	3.37	5.25	4.72	5.68	6.2	3.2-9.3
Israel	7.14	6.56	6.33	7.92	9.86	6.43	8.87	4.3	-7.9-18.1
Japan	3.51	5.34	4.92	4.84	4.98	4.52	4.32	0.8	-1.5-3.1
Kuwait	8.37	6.12	4.13	6.28	9.84	6.32	5.46	-4.5	-13.3-5.3
Europe, Other									
France	8.39	7.29	5.88	7.22	7.64	6.17	6.77	-2.9	-8-2.4
Germany	9.50	3.80	3.93	5.86	10.71	2.39	11.06	8.8	-24.2-56.3
Italy	6.42	8.32	5.90	12.34	3.68	9.30	10.68	7	-13.4-32.2
Slovakia	4.61	4.44	5.53	6.27	9.82	8.14	10.64	18	3.9-34
Slovenia	7.03	6.02	4.05	5.43	3.87	4.69	6.32	-2	-22.3-23.7
Spain	9.87	10.34	2.43	14.11	9.12	8.70	6.90	3.8	-2.1-10
Switzerland	7.15	10.02	2.25	8.62	15.36	10.19	5.41	4.2	-23.9-42.7
UK	6.93	4.95	5.65	5.12	6.97	9.60	7.50	2.1	-8.8-14.3
Europe, Scandinavian Countries									
Denmark	5.44	5.86	5.64	7.68	6.21	7.90	7.63	7.4	5.9-9
Iceland	9.17	6.26	6.29	0.00	6.01	8.84	9.13	0.9	-9.8-13
Norway	5.54	6.05	3.73	8.50	9.83	5.14	7.02	8.5	3.8-13.4
Oceania									
Australia	6.31	6.52	5.22	7.27	6.36	6.74	6.07	2.6	0.2-5
New Zealand	6.72	7.49	6.90	8.69	8.13	8.99	9.90	5.8	2.1-9.7

Abbreviation: APPC, average period percentage change.

Supplementary Table 3.1

Age standardized incidence rates (per 1,000,000 person-years) of leukemia among children aged 0-14 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Americas																			
USA	40.64	37.27	44.82	37.79	46.59	40.23	42.82	35.86	51.97	44.76	52.31	42.43	41.10	33.84	2.2	1.3	-6.9-12.2	-0.3-3.0	
USA, Hawaii	30.67	38.68	51.72	69.02	52.08	39.91	58.38	49.00	48.93	48.88	45.77	51.10	44.22	40.39	3.8	-2.3	0.7-7.0	-7.8-3.6	
Canada	45.21	41.20	52.97	44.43	48.65	41.15	48.68	46.53	55.35	42.47	55.90	44.69	57.38	53.04	2.9	6.9	0.3-8.3	2.7-3.5	
Colombia	51.56	35.00	39.51	39.30	39.84	45.92	57.39	59.50	61.45	48.72	46.26	58.68	61.01	58.12	5.7	11.6	-27.3-29	-4.6-3.7	
Asia																			
China	42.51	42.99	46.20	37.98	40.12	29.26	44.84	30.09	34.99	25.58	33.17	35.43	42.87	35.83	7.4	-2.0	-16.3-10.5	-14.2-6.9	
China, Hong Kong	78.07	46.26	80.88	60.87	67.39	48.10	42.56	44.28	47.20	38.86	64.51	42.81	61.07	50.40	2.4	-3.9	-16.2-1.5	-27.3-9.2	
India	29.08	14.94	31.87	19.19	29.32	20.19	38.66	22.93	37.78	27.68	40.16	29.06	41.02	27.39	8.8	11.4	-3.9-6.8	1.6-8.7	
Israel	26.77	24.47	24.10	23.69	30.33	21.63	34.60	24.38	38.67	32.07	43.78	36.99	42.63	31.95	10.9	6.9	-5.9-11.9	-17-17.6	
Japan	43.20	35.07	43.01	34.51	41.16	33.44	44.36	38.76	39.88	28.39	43.39	46.23	47.61	48.41	-0.3	6.6	-13.6-8.8	-10.7-27.1	
Kuwait	24.23	20.03	33.59	26.81	37.33	25.78	38.09	22.48	70.28	66.08	60.44	42.48	56.84	46.09	16.2	14.7	-5.6-17.1	-5.9-11.4	
Europe, Other																			
France	43.59	31.52	32.78	23.41	32.18	32.45	40.28	30.74	39.36	33.15	48.65	51.10	57.67	43.00	5.8	10.0	4.5-25.2	-4.8-15.7	
Germany	40.18	21.30	55.18	27.67	30.11	29.24	60.38	48.23	54.92	18.26	50.08	39.82	53.28	44.19	2.5	25.6	3.3-117.4	-4.1-28.1	
Italy	46.81	55.32	52.19	31.25	57.48	40.75	36.38	42.57	49.25	90.75	61.35	48.64	60.50	45.84	9.9	5.9	-27.1-21.6	-69.4-6.7	
Slovakia	39.37	40.08	34.45	30.49	45.39	32.39	40.98	28.98	39.51	37.48	50.59	36.58	57.78	32.37	7.0	0.8	4.7-21.6	-6.1-23	
Slovenia	33.18	30.76	42.12	25.63	36.73	43.25	40.42	29.41	37.70	51.87	38.52	44.06	43.83	46.24	2.0	11.0	12.6-16.9	11.9-33.4	
Spain	58.51	35.59	39.88	28.03	39.45	38.84	62.66	35.34	45.88	41.30	47.27	45.68	45.02	34.93	-0.3	5.1	-9.7-15.2	-18.6-6	
Switzerland	37.32	33.64	44.16	46.38	38.80	29.84	51.78	47.84	47.91	44.57	44.62	39.84	41.77	65.25	2.2	7.5	-56.3--0.6	-53.8-117	
UK	43.37	36.69	39.26	37.85	50.75	35.96	53.99	38.02	51.94	46.98	55.90	40.87	47.73	41.34	2.2	2.5	-4.3-15.9	-1.5-13.6	
Europe, Scandinavian Countries																			
Denmark	41.59	33.00	52.01	48.34	51.10	40.49	48.43	38.81	51.24	45.35	49.40	49.31	51.68	45.90	1.9	3.4	-5-8.2	-16.9-10.3	
Iceland	54.61	22.37	55.83	39.01	36.91	51.46	23.42	24.65	30.22	45.26	42.26	25.21	58.60	55.19	1.3	9.8	-25-24.4	1.4-28.5	
Norway	47.37	33.72	44.31	47.12	40.79	33.28	45.08	41.01	49.12	46.23	50.37	49.45	48.28	44.51	1.4	3.3	1.7-26.9	-6.1-38.6	
Oceania																			
Australia	56.65	42.62	48.88	39.29	55.54	41.94	48.73	44.48	55.79	49.12	63.33	52.80	64.52	48.85	3.1	4.2	2.1-8.8	2.2-7.3	
New Zealand	48.35	36.29	61.66	42.43	53.76	42.23	54.44	48.06	64.82	40.39	44.85	56.70	66.55	48.08	2.0	5.3	3.5-18.6	-3.1-9.6	

Abbreviation: APPC, average period percentage change.

Supplementary Table 3.2

Age standardized incidence rates (per 1,000,000 person-years) of CNS tumor among children aged 0-14 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Americas																			
USA	22.74	24.51	30.50	27.80	36.03	30.27	33.51	25.83	35.39	34.25	34.09	29.45	37.57	34.61	4.7	8.6	2.3-7.0	5.8-11.5	
USA, Hawaii	28.84	12.16	30.67	36.08	36.10	27.05	31.67	35.25	40.71	28.12	31.99	20.50	29.04	22.84	-0.1	2.5	-8.9-9.5	-4.8-10.4	
Canada	28.21	22.95	33.68	28.60	34.33	28.71	32.51	28.10	27.82	24.90	31.74	28.19	37.39	33.84	2.2	4.0	-4.2-9.1	-1.9-10.2	
Colombia	19.27	17.68	23.76	18.09	14.40	12.91	15.22	17.31	18.85	21.11	20.51	20.50	22.67	20.85	-0.8	2.4	-3.6-2.1	0.5-4.4	
Asia																			
China	18.38	15.02	15.52	17.74	24.09	21.11	24.68	18.20	17.95	16.42	17.17	15.19	19.98	16.00	-12.8	-0.7	-20.9--3.9	-3.7-2.5	
China, Hong Kong	15.74	10.29	25.00	23.57	24.19	22.82	27.41	20.73	23.97	15.93	24.72	20.17	19.75	21.27	2.6	4.6	-1.6-7	-4.2-14.2	
India	9.51	7.38	11.85	9.97	13.89	8.63	16.34	11.51	19.04	11.73	15.37	11.14	16.93	10.97	9.5	6.1	2.6-16.8	4.7-7.5	
Israel	22.05	22.47	27.88	28.44	24.26	22.18	28.28	20.98	29.63	21.56	31.71	25.77	32.54	28.57	5.6	1.1	4.8-6.4	-1.3-3.6	
Japan	23.74	18.39	25.35	20.42	20.91	22.31	19.32	16.29	17.89	17.01	21.87	19.48	20.30	19.85	-4.0	-0.4	-8.8-0.9	-2.3-1.6	
Kuwait	7.53	10.22	15.51	9.79	15.92	17.47	18.18	21.32	19.80	16.26	20.52	9.52	12.91	8.83	11.1	-2.0	-3.4-27.8	-10.1-6.9	
Europe, Other																			
France	27.43	19.77	22.99	21.60	25.97	26.12	29.76	13.33	22.03	19.27	19.33	16.61	24.41	21.92	-1.7	7.2	-11.6-9.2	1.5-13.3	
Germany	10.26	26.27	33.25	46.97	24.92	36.93	46.64	39.87	40.08	17.66	56.44	34.52	28.17	27.52	18.4	-4.7	-1.8-42.7	-23.2-18.3	
Italy	27.97	28.34	30.04	29.39	30.55	25.81	40.24	32.27	43.25	20.66	23.66	41.55	34.32	13.85	6.7	3.1	3.3-10.2	-1.5-7.8	
Slovakia	28.09	16.45	30.83	31.29	24.86	24.80	29.51	22.94	26.73	19.51	26.76	19.57	43.67	28.77	8.7	-1.6	4.9-12.7	-12-10	
Slovenia	27.67	15.45	19.27	14.10	19.22	17.90	30.06	22.42	25.19	14.72	29.33	20.93	31.40	25.52	5.6	9.1	-0.5-12.1	-4-23.9	
Spain	33.10	25.56	31.38	24.04	24.37	16.76	31.05	18.77	32.57	31.20	36.74	19.61	21.57	17.13	-4.7	-5.7	-7.3--2.1	-8.4--3	
Switzerland	4.54	30.59	20.70	30.21	13.43	23.35	43.95	19.41	19.16	29.43	20.88	13.45	8.87	16.86	11.9	-2.3	-4.3-31	-6.2-1.9	
UK	21.63	25.81	30.00	31.16	28.90	33.35	26.28	24.64	19.94	16.71	24.22	17.34	22.15	19.91	0.0	-4.8	-4.8-4.9	-11.7-2.6	
Europe, Scandinavian Countries																			
Denmark	31.30	25.18	34.64	36.61	32.83	34.34	43.84	31.06	21.25	20.42	16.64	15.83	14.69	21.19	-14.8	-8.6	-22.9--5.8	-20.4-4.9	
Iceland	18.47	35.69	18.71	45.36	43.13	0.00	42.04	50.56	11.73	18.78	24.06	18.90	23.20	6.01	3.0	0.5	-5.5-12.2	-33.1--0.7	
Norway	33.76	30.00	45.58	34.28	39.66	28.84	41.38	39.61	23.37	22.80	33.28	31.70	23.50	31.43	-7.2	-0.8	-19.9-7.4	-13.7-14	
Oceania																			
Australia	31.24	24.42	27.09	26.17	27.33	27.82	31.82	30.14	27.17	21.61	21.66	21.09	23.71	25.11	-3.4	-1.2	-8.6-2.1	-10.6-9.2	
New Zealand	35.67	36.12	38.32	30.01	37.54	33.14	34.32	29.21	28.45	17.34	19.54	21.81	23.23	18.76	-9.0	-15.5	-16.8--0.6	-19.1--11.8	

Abbreviations: APPC, average period percentage change; CNS, central nervous system.

Supplementary Table 3.3

Age standardized incidence rates (per 1,000,000 person-years) of lymphoma among children aged 0-14 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
USA	20.50	9.59	21.02	11.11	18.69	9.69	16.44	10.38	18.34	11.83	18.86	11.74	23.74	14.62	0.1	5.0	-3.6-3.6	1.1-9.0
USA, Hawaii	13.36	6.09	35.41	8.89	11.22	4.12	16.86	6.64	23.32	9.84	10.91	8.46	35.24	16.08	6.8	24.4	-16.5-36.7	-6-21.8
Canada	20.91	12.21	22.54	9.76	21.11	11.99	18.16	11.64	19.95	10.57	21.76	11.03	22.63	12.42	0.3	1.2	-1.5-0.9	6.2-45.7
Colombia	27.80	13.00	23.69	9.54	37.94	11.83	24.39	14.66	22.51	11.56	32.33	13.04	26.53	11.07	1.2	2.3	-9.2-12.9	-4.6-9.7
China	16.07	6.14	17.27	8.66	16.17	8.28	16.40	11.63	17.15	7.29	14.16	9.63	12.97	6.12	3.0	2.0	-7.5-1.7	-11-16.9
China, Hong Kong	23.56	11.21	22.64	11.16	23.18	10.25	14.23	11.11	16.72	4.53	13.23	4.86	11.85	8.09	4.5	-1.3	-7.2--1.8	-5.5-3
India	17.37	5.27	18.20	6.53	18.31	7.85	18.80	7.69	22.32	9.24	16.86	5.08	17.27	8.07	0.9	5.6	-5.6-4.1	-10.5-24.7
Israel	35.30	14.57	28.25	11.88	32.27	18.19	31.82	18.41	29.03	15.20	30.86	19.82	36.47	22.51	0.7	8.9	-4.4-6	0.9-17.4
Japan	13.33	7.50	16.04	12.09	16.91	8.93	15.76	9.01	14.29	8.70	13.82	8.02	14.69	6.62	-0.2	-5.6	-3.3-3	-8.5--2.5
Kuwait	21.82	9.48	37.52	15.80	39.42	20.69	21.99	14.01	40.33	14.60	28.19	22.44	24.33	12.60	0.1	7.8	-13-15.1	-14.4-35.7
France	21.95	13.66	28.48	8.86	23.55	13.33	29.06	14.88	22.94	12.43	16.95	14.53	30.60	19.33	0.7	8.1	-14.6-18.6	-1.2-18.3
Germany	29.41	7.04	15.96	21.66	35.39	10.53	21.44	9.79	16.42	10.15	20.49	4.90	17.42	9.07	2.7	-10.3	-10.5-5.8	-25.8-8.3
Italy	28.27	9.84	23.73	11.80	24.32	12.31	29.81	30.95	48.18	40.63	34.34	11.21	37.49	25.00	8.0	20.7	-5.8-23.9	10.6-31.9
Slovakia	29.92	11.23	27.36	16.26	25.67	15.79	24.16	10.55	20.97	19.63	17.77	14.00	23.63	12.87	8.4	1.1	-9.4--7.4	-20.4-28.4
Slovenia	23.43	8.36	27.08	11.83	29.50	6.02	23.15	16.22	27.64	12.78	27.18	8.26	28.88	12.97	1.9	4.3	-1.6-5.6	-9.4-20.2
Spain	24.49	14.64	25.72	10.27	34.87	13.89	24.43	15.17	39.54	8.31	33.84	18.38	44.56	17.85	6.1	5.9	2.9-9.4	-11-26
Switzerland	19.17	4.99	22.53	13.18	30.84	13.60	43.94	19.94	32.08	12.08	19.63	5.71	32.37	12.85	15.9	9.3	9.8-22.5	-10.6-33.6
UK	17.67	9.07	16.89	8.48	17.14	11.61	16.07	8.39	20.66	9.50	16.96	6.82	20.16	10.22	2.2	1.8	-3-7.7	-5.9-10.2
Denmark	19.13	9.76	19.01	7.55	17.05	5.02	22.79	8.89	18.62	7.67	17.81	12.65	29.77	14.55	0.4	7.3	-2.9-3.8	-2.6-18.2
Iceland	15.20	6.29	12.19	6.52	12.30	0.00	36.04	6.38	11.52	0.00	23.39	0.00	23.40	6.13	12.6	1.7	-11.8-43.7	1.5-5.1
Norway	15.26	8.65	17.89	9.01	11.68	7.19	21.43	7.35	18.18	8.68	20.20	10.23	29.15	15.48	15.0	4.6	9.4-20.7	1.3-8
Australia	23.06	9.17	19.11	9.47	23.00	9.64	21.09	12.49	20.82	9.02	20.44	11.15	24.89	12.55	1.3	3.60	-3.4-6.2	1.6-5.7
New Zealand	20.42	12.23	15.13	11.51	20.60	12.63	20.37	12.91	12.64	7.48	17.65	9.53	17.04	10.08	1.1	-5.5	-12.9-12.2	-7.8--3.1

Abbreviation: APPC, average period percentage change.

Supplementary Table 3.4

Age standardized incidence rates (per 1,000,000 person-years) of kidney cancer among children aged 0-14 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Americas																		
USA	8.75	10.31	8.83	9.82	9.20	9.30	9.08	10.03	8.43	10.32	7.02	7.81	7.99	10.01	0.3	-2.30	-1.5-2.1	-3.9- -0.7
USA, Hawaii	7.64	8.16	10.99	7.89	6.96	0.00	4.41	1.52	4.71	1.73	7.89	1.79	1.48	1.58	13.8	-29.5	-45.2-35.6	-33.1- -25.6
Canada	7.09	7.96	8.79	11.29	8.59	9.08	8.30	10.22	7.84	10.36	8.24	8.60	6.75	9.73	-1.2	0.4	-5.3-3	-4-5.1
Colombia	4.67	9.05	10.29	5.85	7.27	5.66	1.72	6.92	4.78	7.21	6.22	8.67	5.23	4.58	-5.6	-0.6	-26.2-20.7	-16.9-19
Asia																		
China	3.77	2.30	4.76	1.31	3.85	5.70	4.14	5.49	4.86	5.46	2.68	3.33	3.02	4.10	-4.9	-30.9	-16.5-8.2	-54.8-5.6
China, Hong Kong	9.74	6.51	6.13	5.30	3.71	2.51	2.42	3.75	2.82	0.95	3.35	5.05	5.04	3.55	11.4	-18.1	-15.7--7	-22--14
India	6.23	2.10	4.02	5.28	3.79	3.18	5.05	4.46	4.91	4.70	4.19	3.55	3.23	3.34	-3.8	1.5	-8.4-0.9	-4.3-7.8
Israel	7.37	8.56	6.28	6.53	3.89	5.78	5.62	6.42	6.79	8.02	7.63	7.82	7.43	7.14	1.1	-0.3	-3.6-5.9	-6.9-6.7
Japan	5.35	4.35	6.32	3.90	5.38	4.85	4.58	2.79	3.69	3.32	3.96	1.96	3.21	4.06	10.1	-9.6	-14.9--5.1	-13.1--5.9
Kuwait	5.57	4.74	6.25	5.28	2.34	2.38	3.50	7.35	12.01	23.76	5.32	3.80	5.68	6.86	9	9.9	0.8-17.8	1.8-18.5
Europe, Other																		
France	9.08	13.04	10.48	10.24	12.94	6.98	9.29	11.72	13.10	9.25	6.12	9.62	6.28	7.27	-3.8	-5.2	-23.4-20.7	-10.4-0.2
Germany	7.99	11.15	15.54	11.18	7.42	5.21	4.73	7.84	0.00	14.29	0.00	2.85	7.36	11.16	86.4	-0.2	50.7-130.7	-5.6-5.6
Italy	7.74	6.01	10.30	7.95	5.63	10.26	15.94	6.29	7.30	15.84	7.20	13.65	4.19	16.84	10.5	18.1	-45.7-47.6	-0.6-40.3
Slovakia	7.10	8.88	5.53	7.22	7.28	6.93	8.33	8.88	6.70	10.49	6.82	15.05	7.19	10.11	4.2	10.6	-2-10.8	-5.4-29.3
Slovenia	8.82	4.72	5.24	6.58	5.24	1.96	11.47	13.22	15.49	14.87	8.71	7.68	5.09	5.53	11.8	34.8	-11.6-41.4	19.9-51.6
Spain	10.60	1.78	0.00	5.17	7.23	7.64	7.77	11.14	5.42	5.92	7.87	10.44	9.81	14.65	-5.2	35.8	-17-8.3	12.7-63.5
Switzerland	4.54	13.19	4.94	4.99	2.12	9.22	6.97	11.61	9.35	4.00	9.21	3.96	5.48	5.78	9.3	-5.0	3.7-15.3	-27.7-25
UK	6.89	9.64	10.62	6.38	6.90	8.54	7.03	5.66	9.10	6.13	7.23	6.93	7.41	8.69	0.7	-1.7	-5-6.6	-4-0.6
Europe, Scandinavian Countries																		
Denmark	8.42	9.88	13.26	11.05	4.09	7.68	8.98	5.96	5.54	10.69	5.15	5.92	10.59	8.50	-4.5	9.1	-23.2-18.7	1.1-17.7
Iceland	3.13	13.12	0.00	6.52	0.00	0.00	11.71	6.16	12.47	6.02	6.29	0.00	11.36	0.00	28.6	-49.5	6-56	-55.6--42.5
Norway	6.79	9.34	9.77	5.28	4.34	7.54	6.27	8.92	6.52	9.20	7.15	9.89	6.88	7.23	-3.6	5.3	-5.9--1.3	-3.2-14.6
Oceania																		
Australia	7.48	7.77	7.95	7.99	5.13	10.24	8.82	9.28	7.20	10.71	8.28	9.72	8.35	8.56	5.1	3.4	1.1-9.2	0.8-6
New Zealand	8.54	5.13	11.84	13.18	6.88	11.95	8.99	7.58	9.15	9.68	6.35	9.60	5.63	8.56	-8.8	2.3	-15--2.1	-5.3-10.5

Abbreviation: APPC, average period percentage change.

Supplementary Table 3.5

Age standardized incidence rates (per 1,000,000 person-years) of bone cancer among children aged 0-14 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Americas																			
USA	5.92	7.86	7.59	6.20	5.99	7.57	7.36	5.01	7.13	5.99	6.38	6.65	8.77	7.29	3.2	-1.3	-5-12.1	-3-0.5	
USA, Hawaii	0	4.04	16.46	11.01	0.00	6.05	14.13	5.02	4.81	6.49	3.37	8.47	12.48	6.53	11.9	-1.8	-25.4-4.1	-10.7-16	
Canada	7.66	6.74	7.34	7.75	6.09	6.63	6.73	6.63	7.85	7.22	7.15	7.12	5.99	7.50	-3.9	-0.2	-5.4--2.4	-2.2-1.8	
Colombia	4.55	3.44	7.66	2.87	6.29	3.56	4.04	4.95	5.38	5.88	10.94	7.63	6.15	8.60	5.8	20	-22.6-44.5	16.8-23.2	
Asia																			
China	2.31	2.30	4.28	4.55	3.01	5.77	5.81	5.26	3.67	5.99	4.48	5.47	5.16	5.53	7.4	11.9	-7.9-25.3	7-17.1	
China, Hong Kong	6.82	3.73	7.32	6.73	5.65	6.93	6.23	6.69	7.18	5.21	7.96	5.03	6.54	5.43	6.2	0.6	2.7-9.8	-6.1-7.8	
India	3.62	5.15	4.11	5.24	5.44	3.44	3.29	3.45	5.53	4.96	5.07	4.34	7.17	4.01	12.5	0.8	8.7-16.4	-2.7-4.4	
Israel	6.31	8.01	6.92	6.18	6.97	5.66	9.88	5.85	10.28	9.42	6.51	6.36	10.79	6.85	9.3	0.3	5.8-12.9	-14.5-17.7	
Japan	2.89	4.17	5.10	5.58	4.85	4.99	5.15	4.51	5.93	3.98	5.29	3.71	4.24	4.40	5.6	-3.7	-2.1-13.9	-9.3-2.2	
Kuwait	11.13	5.53	5.95	6.29	1.81	6.49	7.22	5.30	17.42	2.07	7.21	5.36	7.94	2.83	-2.6	-7.7	-19.4-17.7	-27.6-17.5	
Europe, Other																			
France	9.73	6.98	9.72	4.74	6.60	5.12	7.06	7.39	6.63	8.69	7.22	5.06	5.60	8.01	-1.4	6	-5.3-2.7	-9-23.5	
Germany	5.58	13.58	7.45	0.00	5.18	2.65	4.63	7.16	16.42	4.69	4.66	0.00	9.25	12.94	28.9	-1.4	15.4-43.9	-100-700	
Italy	1.63	11.46	12.29	4.15	8.67	3.00	7.30	17.63	7.18	0.00	14.40	3.92	11.85	9.44	26.6	5.6	8.9-47.2	-16.5-33.5	
Slovakia	4.65	4.57	4.91	3.95	6.66	4.35	5.95	6.60	11.35	8.23	7.25	9.07	9.56	11.78	7.7	20.2	1.7-13.9	16.7-23.9	
Slovenia	7.97	6.03	5.88	6.16	4.32	3.75	3.84	7.09	2.10	5.74	2.48	7.04	8.13	4.39	-1.1	1.7	-13.7-13.3	-1.4-5	
Spain	8.73	11.10	12.31	8.27	1.57	3.34	10.35	18.12	7.49	10.85	10.64	6.70	9.16	4.58	-1.4	-23.1	-10.3-8.4	-32.1--12.9	
Switzerland	4.35	10.08	13.50	6.38	2.28	2.27	7.38	9.89	16.87	13.80	7.11	13.45	5.30	5.54	1	8	-35.8-58.8	-18.3-42.9	
UK	6.09	7.82	6.35	3.47	7.34	3.87	6.01	4.19	8.30	5.58	8.34	10.93	7.85	7.13	4.4	0	3.4-5.5	-18.5-22.8	
Europe, Scandinavian Countries																			
Denmark	4.42	6.51	5.17	6.58	5.35	5.94	7.99	7.35	6.40	6.01	6.43	9.45	6.86	8.44	6.7	1.8	1.3-12.4	-0.7-4.3	
Iceland	14.99	3.06	0.00	12.87	12.34	0.00	0.00	0.00	11.73	0.00	11.70	5.88	6.12	12.26	-8.1	19.4	-12.9--3	2.5-39.1	
Norway	6.59	4.43	5.91	6.20	3.40	4.09	8.52	8.49	10.94	8.67	3.32	7.07	8.68	5.26	-3.1	6.1	-14.1-9.2	-1.2-13.8	
Oceania																			
Australia	6.62	5.99	6.69	6.34	5.22	5.23	7.55	6.98	6.09	6.64	6.63	6.87	6.58	5.53	0.8	4.6	-1.2-2.8	1.3-7.9	
New Zealand	7.94	5.45	8.73	6.22	6.49	7.33	7.91	9.53	7.93	8.35	9.34	8.62	10.54	9.23	8.2	8.9	4-12.5	7.3-10.6	

Abbreviation: APPC, average period percentage change.

Supplementary Table 4.1

Incidence rates (per 1,000,000 person-years) of lymphoma among adolescents aged 15-19 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	52.98	54.39	56.55	48.83	48.09	49.17	54.95	0.1	-2.4-2.6
USA, Hawaii	17.49	23.02	33.65	25.15	28.96	32.21	40.06	15.1	8.7-21.8
Canada	42.84	56.71	59.28	56.13	55.22	53.23	54.90	2.5	1.2-3.9
Colombia	24.16	20.03	15.68	17.56	31.92	24.77	27.80	1.1	-10.7-14.6
Asia									
China	12.35	14.40	14.62	10.25	14.94	25.31	19.82	11.3	4-19.2
China, Hong Kong	20.62	30.25	31.03	22.88	27.30	23.42	26.60	0.6	-5.3-6.8
India	13.88	17.12	18.25	13.32	15.18	12.05	14.63	-2.2	-9.1-5.2
Israel	42.81	49.09	49.93	75.22	72.41	74.00	62.67	7.1	-4.2-19.7
Japan	11.76	12.89	14.15	12.98	13.20	13.03	20.68	7.1	2.5-11.8
Kuwait	40.07	18.43	36.26	33.92	52.70	43.97	56.12	-1.1	-27.5-35.1
Europe, Other									
France	49.36	41.55	42.56	42.96	48.50	52.06	68.63	5.0	0.7-9.4
Germany	30.74	34.36	46.36	67.97	46.40	57.94	51.00	12.9	6.1-20.1
Italy	50.06	51.48	58.70	55.72	61.24	101.57	100.01	13.7	-0.1-29.3
Slovakia	34.13	39.60	39.79	32.95	42.62	48.90	46.43	8.1	1.4-15.2
Slovenia	31.28	40.26	42.68	41.37	57.74	50.12	42.03	7.1	-5.8-21.7
Spain	26.61	24.19	35.02	88.48	57.52	72.20	65.18	20.1	-0.8-45.3
Switzerland	41.66	32.74	38.12	53.71	68.64	36.13	64.23	0.0	-16.3-19.5
UK	31.79	37.43	36.92	45.87	38.35	51.30	48.06	7.1	1.5-13
Europe, Scandinavian Countries									
Denmark	31.67	37.25	38.98	47.74	40.92	44.00	63.93	12.0	6.9-17.3
Iceland	13.39	37.81	37.74	104.54	75.03	82.17	51.14	29.0	16.7-42.5
Norway	24.21	28.17	42.70	45.98	46.38	53.06	55.26	16.8	12.4-21.4
Oceania									
Australia	31.32	34.76	39.48	41.95	47.48	57.31	62.09	12.0	10.9-13.1
New Zealand	27.77	31.03	27.90	24.50	38.40	40.38	50.05	8.9	4.4-13.5

Abbreviation: APPC, average period percentage change.

Supplementary Table 4.2

Incidence rates (per 1,000,000 person-years) of leukemia among adolescents aged 15-19 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	20.62	22.87	23.59	21.18	29.06	30.58	24.24	6.5	2.2-11
USA, Hawaii	22.48	9.87	15.30	27.66	24.13	44.60	18.85	2.7	-19.8-31.6
Canada	20.07	27.00	22.55	23.12	24.84	25.35	29.51	3.9	1.3-6.5
Colombia	36.95	28.04	32.67	41.38	43.15	33.38	43.68	-0.6	-14.7-15.7
Asia									
China	32.34	26.13	25.43	30.76	26.82	34.93	23.95	0.9	-11.1-14.4
China, Hong Kong	33.33	45.37	28.72	23.35	25.10	24.80	25.20	-9.3	-10.8--7.9
India	18.34	22.50	20.03	26.51	23.77	21.71	22.48	2.7	-0.6-6
Israel	23.59	17.91	26.54	23.75	24.39	32.81	27.67	1.3	-9.7-13.6
Japan	23.24	19.85	25.02	21.22	23.52	21.99	30.16	-2.1	-11.7-8.5
Kuwait	30.05	34.23	23.57	47.89	16.71	38.33	30.06	3.8	-5.2-13.7
Europe, Other									
France	19.20	21.57	19.64	15.22	30.31	35.58	31.02	10.1	4.3-16.3
Germany	8.20	24.54	21.40	37.76	21.41	17.04	54.65	26.4	-6.7-71.3
Italy	42.91	39.05	43.55	53.40	27.22	19.22	26.09	-7.4	-14.1--0.2
Slovakia	20.96	13.55	21.28	16.26	17.95	29.53	33.03	10.5	1.8-19.9
Slovenia	17.38	18.40	26.16	22.69	31.76	35.57	40.12	13.9	7.9-20.2
Spain	29.27	24.19	9.34	19.13	19.17	25.11	21.73	-11.0	-20.6--0.4
Switzerland	30.55	16.37	26.39	17.90	15.60	25.02	7.41	-7.7	-34-29
UK	17.42	19.41	25.73	29.31	30.80	27.48	23.55	5.4	-6.4-18.6
Europe, Scandinavian Countries									
Denmark	22.48	23.47	19.21	24.18	19.05	29.77	22.26	2.2	-2.2-6.8
Iceland	22.32	18.90	28.30	19.01	37.51	36.52	25.57	1.4	-12.1-16.9
Norway	18.48	19.78	17.21	16.32	27.68	25.85	35.39	8.7	3.9-13.8
Oceania									
Australia	24.14	24.43	27.97	28.76	31.27	31.14	34.45	5.2	2.3-8.2
New Zealand	22.72	30.37	29.94	25.98	32.61	35.17	40.04	12.7	1.3-25.3

Abbreviation: APPC, average period percentage change.

Supplementary Table 4.3

Incidence rates (per 1,000,000 person-years) of thyroid cancer among adolescents aged 15-19 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	13.05	16.67	13.71	13.48	19.14	18.48	30.82	13.7	4.4-23.9
USA, Hawaii	19.99	13.16	24.47	25.15	12.07	19.82	21.21	-2.3	-16-13.8
Canada	11.20	12.79	12.91	16.30	17.64	23.43	27.16	15.0	12.9-17.1
Colombia	7.11	8.01	5.23	6.27	9.82	11.84	17.87	12.1	5.2-19.5
Asia									
China	4.00	5.86	6.99	11.39	8.43	18.73	33.86	38.3	28.7-48.6
China, Hong Kong	8.59	8.82	15.29	18.68	13.65	15.16	23.80	15.3	5-26.5
India	1.65	2.93	2.08	2.10	2.99	2.61	4.88	22.3	-3.7-55.3
Israel	9.77	8.64	14.84	20.19	17.26	17.86	22.67	14.8	5.5-24.8
Japan	3.73	3.68	4.31	6.80	5.52	10.32	9.48	16.0	4.1-29.3
Kuwait	14.02	1.32	7.25	23.94	3.86	7.89	10.02	-12.8	-52.5-59.8
Europe, Other									
France	2.74	5.59	5.73	12.53	15.59	23.43	17.86	41.9	20.3-67.3
Germany	6.15	7.36	7.13	15.10	3.57	3.41	7.29	10.6	-6.1-30.3
Italy	7.15	5.33	7.57	20.90	3.40	16.47	36.96	22.9	-6.7-61.8
Slovakia	2.44	2.08	6.01	7.70	13.01	10.17	16.07	39.4	12.5-72.8
Slovenia	8.69	4.60	5.51	6.67	15.88	17.78	26.75	25.5	9.3-44.2
Spain	7.98	18.14	16.34	14.35	6.39	18.83	14.48	5.2	-17.5-34.2
Switzerland	8.33	8.18	5.86	7.16	3.12	16.68	9.88	4.5	-7.1-17.7
UK	3.92	5.54	2.80	7.01	8.17	7.94	10.24	16.4	9.4-24
Europe, Scandinavian Countries									
Denmark	3.07	6.12	3.29	5.58	7.76	7.77	8.56	14.8	8.1-22
Iceland	4.46	0.00	18.87	19.01	18.76	45.65	0.00	58.1	45-72.3
Norway	7.01	5.99	9.56	9.64	11.97	8.84	7.45	1.6	-12-17.3
Oceania									
Australia	8.91	8.27	6.21	10.39	12.93	14.56	17.23	12.5	10.6-14.4
New Zealand	4.42	7.26	6.12	3.71	13.04	8.47	8.76	21.0	-0.7-47.4

Abbreviation: APPC, average period percentage change.

Supplementary Table 4.4

Incidence rates (per 1,000,000 person-years) of CNS tumor among adolescents aged 15-19 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	17.66	21.32	23.59	17.79	18.22	20.97	21.21	1.2	-1.2-3.6
USA, Hawaii	7.49	23.02	9.18	17.60	14.48	14.87	14.14	26.0	-20.2-98.9
Canada	19.94	21.32	20.71	17.27	17.38	18.74	23.75	2.4	-2.4-7.5
Colombia	9.95	12.02	6.53	11.29	17.54	8.61	11.91	9.1	-1.9-21.4
Asia									
China	13.08	14.40	19.07	13.67	22.22	22.78	8.26	9.5	1.4-18.2
China, Hong Kong	9.96	13.44	16.21	19.61	14.09	13.78	16.80	7.0	-3.8-19.1
India	7.29	7.99	9.50	8.98	10.33	10.80	9.39	7.2	4.1-10.4
Israel	22.92	22.54	17.99	18.21	19.51	22.96	19.00	-2.7	-5.7-0.4
Japan	8.61	9.62	11.56	9.47	10.56	12.49	9.77	3.7	-5.3-13.5
Kuwait	12.02	7.90	12.69	11.97	10.28	4.51	6.01	-15.8	-30.6-2.2
Europe, Other									
France	21.02	15.98	17.19	16.11	15.59	9.55	11.28	-15.4	-24.4--5.4
Germany	14.35	22.09	21.40	22.66	10.71	30.67	7.29	2.0	-35.1-60.5
Italy	21.45	12.43	18.93	27.86	6.80	13.73	15.22	-0.9	-20.3-23.4
Slovakia	13.65	23.44	21.74	26.96	14.81	14.52	30.36	3.6	-19.9-34
Slovenia	5.21	14.95	15.14	12.01	17.32	19.40	15.28	14.1	-0.5-30.9
Spain	7.98	36.28	16.34	26.31	22.37	21.97	21.73	2.6	-0.9-6.2
Switzerland	13.89	19.10	17.59	10.74	18.72	5.56	14.82	-3.8	-30.1-32.4
UK	15.24	16.17	20.69	17.84	13.20	12.21	14.66	-0.9	-7.8-6.6
Europe, Scandinavian Countries									
Denmark	22.48	28.07	17.57	29.14	13.40	20.06	13.13	-8.4	-22.6-8.5
Iceland	31.24	47.26	9.43	19.01	9.38	18.26	0.00	-8.1	-17.5-3.7
Norway	24.21	31.17	19.12	29.67	19.45	40.81	14.90	9.8	-7.7-30.7
Oceania									
Australia	27.01	17.85	19.74	17.98	17.37	16.03	17.76	-5.5	-8.7--2.2
New Zealand	31.56	21.79	12.25	17.81	14.49	15.63	12.51	-12.5	-17.1--7.6

Abbreviations: APPC, average period percentage change; CNS, central nervous system.

Supplementary Table 4.5

Incidence rates (per 1,000,000 person-years) of testicular cancer among adolescents aged 15-19 years during the period of 1978-2012.

	1978-1982	1983-1987	1988-1992	1993-1997	1998-2002	2003-2007	2008-2012	APPC	95% CI
Americas									
USA	27.97	31.07	29.74	28.3	33.49	35.44	38.92	5.9	2.2-9.8
USA, Hawaii	14.12	18.90	23.49	29.21	23.07	46.88	36.37	21.3	14.2-28.9
Canada	21.21	28.07	26.07	31.95	31.08	32.67	40.77	9.1	3.5-15
Colombia	16.52	15.03	11.66	13.90	24.59	24.34	31.26	12.1	0.2-25.3
Asia									
China	1.44	4.10	2.42	0.00	4.57	5.99	6.56	21.6	7.7-37.3
China, Hong Kong	6.64	3.24	4.43	9.03	11.16	14.42	12.71	22.6	11.9-34.4
India	4.29	3.03	4.73	4.16	4.47	4.83	2.96	-7.8	-24.4-12.4
Israel	7.22	10.77	10.54	14.67	21.95	19.24	21.48	23.7	14.6-33.6
Japan	7.32	7.18	4.71	4.83	4.70	4.25	8.42	-4.7	-12.6-3.8
Kuwait	3.72	5.06	3.63	3.87	9.89	10.82	7.64	18.7	7.8-30.7
Europe, Other									
France	23.60	29.91	27.43	24.65	27.35	32.60	31.57	3.2	-1.2-7.7
Germany	27.93	38.42	55.72	36.99	27.75	26.54	49.75	4.1	-13-24.5
Italy	18.70	24.30	25.87	27.20	59.78	47.93	16.88	21.6	7.4-37.6
Slovakia	21.93	29.57	35.41	36.92	57.11	55.04	64.61	19.8	8.3-32.4
Slovenia	20.58	18.13	21.57	41.54	45.14	37.80	59.42	15.3	-2.3-36
Spain	15.64	5.93	18.25	13.97	30.98	30.39	14.07	-3.8	-40.4-55.1
Switzerland	51.67	27.71	40.72	49.63	24.59	32.80	33.91	-20.7	-42.1-8.5
UK	28.19	25.32	23.02	21.16	29.75	34.52	34.02	3.3	-2.7-9.7
Europe, Scandinavian Countries									
Denmark	34.96	47.73	53.70	57.01	42.86	56.72	52.31	5.9	-2.7-15.3
Iceland	17.42	18.53	55.45	37.31	36.80	53.40	16.64	18.1	-0.6-40.3
Norway	44.70	46.76	61.10	60.94	49.60	42.44	53.03	3.6	-1.1-8.5
Oceania									
Australia	21.40	22.38	24.68	28.44	32.44	36.34	38.75	11.3	9.7-13
New Zealand	32.12	18.10	18.77	26.32	24.00	35.71	39.03	5.9	-1.9-14.4

Abbreviation: APPC, average period percentage change.

Supplementary Table 5.1

Incidence rates (per 1,000,000 person-years) of lymphoma among adolescents aged 15-19 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Americas																			
USA	53.99	51.95	59.08	49.57	57.66	55.39	51.29	46.24	48.85	47.29	53.16	44.98	48.85	50.16	-2.4	-2.3	-5.3-0.6	-4.7-0.1	
USA, Hawaii	18.82	15.98	25.2	20.64	29.36	38.32	34.08	15.6	36.92	20.23	28.13	36.78	18.19	63.58	1.9	22.1	-5.9-3	11.2-34.1	
Canada	53.26	31.96	58.09	55.26	59.62	58.92	56.33	55.93	59.4	50.81	57.18	49.03	61.15	48.31	1.5	3.7	-0.4-3.5	2-5.4	
Colombia	36.34	14.97	24.04	16.82	26.24	7.11	27.81	9.14	35.13	28.73	30.97	18.88	31.26	24.22	1.6	9.6	-5.7-9.5	-0.6-20.9	
Asia																			
China	15.83	8.81	15.36	13.34	14.5	14.76	12.12	8.6	16.75	13.11	25.94	24.67	22.97	16.63	9.5	22.6	-3.8-24.7	3.2-45.7	
China, Hong Kong	25.22	15.67	37.21	22.73	35.47	26.18	31.59	13.55	34.34	19.89	27.03	19.67	28.15	24.96	-1.1	3.4	-6.8-5	-3.4-10.7	
India	18.03	8.84	23.02	10.24	23.92	11.77	18.98	6.7	19.45	9.82	14.08	9.41	18.81	9.24	-3.1	3.7	-11.9-6.5	-5.3-13.5	
Israel	43.3	42.28	56.26	41.44	54.45	45.18	74.87	75.58	65.85	79.33	76.96	70.89	60.54	64.89	7.5	10.5	0-15.6	3.1-18.3	
Japan	13.51	9.95	14.75	10.94	16.14	12.05	16.51	9.28	16.94	9.31	14.88	11.1	26.4	14.7	8.5	5.3	4-13.3	-0.6-11.7	
Kuwait	48.38	30.38	20.24	16.47	36.27	36.25	30.94	37.1	49.44	56.25	34.63	54.12	68.77	42.15	6.9	5.7	-11.4-28.9	-19.1-38.1	
Europe, Other																			
France	56.28	42.35	48.8	34.08	45.18	39.87	49.3	36.42	51.27	45.65	46.33	57.93	52	85.67	-1	11.5	-4.5-2.5	7.1-16	
Germany	39.9	21.07	48.02	20.08	41.79	51.15	66.58	69.41	41.63	51.45	59.71	56.07	49.75	52.32	4.5	19	-8.3-19.2	-0.6-42.5	
Italy	65.45	34.04	59.02	43.59	44.35	73.78	63.46	47.6	46.49	76.72	90.54	113.3	118.13	80.74	9.1	21.3	-3.1-22.7	11.3-32.3	
Slovakia	40.04	27.94	45.88	33.02	41.76	37.73	31.04	34.93	41.29	44.01	44.6	53.38	50.64	42.01	5.1	12.5	-3.5-14.5	7.3-18	
Slovenia	30.87	31.7	43.05	37.38	48.53	36.58	44.14	38.44	42.32	73.89	59.84	39.86	29.71	55.08	4.4	13	-14.9-28.1	4.2-22.5	
Spain	36.5	16.3	47.42	0	45.63	23.9	93.12	83.58	61.96	52.78	85.09	58.43	77.36	52.25	20.1	9.8	9.7-31.5	13.5-28.6	
Switzerland	57.41	26.91	38.79	26.87	40.72	35.48	49.63	57.86	67.62	69.69	10.93	62.21	43.59	85.71	16.4	19.9	-33.6-5.3	8.5-32.5	
UK	36.73	26.65	45.21	29.29	33.98	39.97	52.27	39.16	32.23	44.63	46.43	56.43	52.41	43.51	6	9.2	-0.2-12.5	6.3-12.3	
Europe, Scandinavian Countries																			
Denmark	42.95	19.87	49.72	24.11	52.63	24.71	59.43	35.51	52.54	28.82	45.38	42.55	63.44	64.46	4.6	19.4	-5.1-15.3	14.6-24.4	
Iceland	8.71	18.31	74.14	0	55.45	19.27	130.57	77.49	110.4	38.25	89.01	74.98	83.19	17.47	31.3	27.8	27.8-35	6.6-52.9	
Norway	32.28	15.7	24.55	31.99	49.88	35.19	50.78	40.97	48.14	44.52	54.37	51.67	55.44	55.06	5.1	20.3	-14.5-29.3	18.5-22.2	
Oceania																			
Australia	34.92	27.58	38.16	31.19	43.28	35.51	45.97	37.72	52.43	42.3	57.94	56.65	68.77	55.02	11.7	13.1	9.3-14.2	11-15.2	
New Zealand	39.54	15.49	25.86	36.43	32.18	23.48	30.71	18.09	36.71	40.18	39.53	41.26	58.54	41.1	6.9	13	0.3-13.9	-5.7-35.4	

Abbreviation: APPC, average period percentage change.

Supplementary Table 5.2

Incidence rates (per 1,000,000 person-years) of leukemia among adolescents aged 15-19 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Americas																		
USA	25.37	15.76	29.79	15.74	27.41	19.63	23.88	18.36	33.49	24.37	35.86	25.04	33.49	21.86	7.5	6.8	0.8-14.7	1.8-12.2
USA, Hawaii	42.35	0.00	0.00	20.64	5.87	25.55	34.08	20.80	23.07	25.29	46.88	42.04	13.64	24.45	-6.8	10.1	-19.2-7.4	0.1-21.1
Canada	25.06	14.85	31.13	22.68	24.96	20.03	27.62	18.36	30.08	19.32	30.11	20.31	36.87	21.74	4.2	3.1	0.3-8.3	2.7-3.5
Colombia	42.95	32.43	24.04	31.24	34.99	30.79	55.61	29.69	49.88	36.43	42.04	25.17	50.79	36.33	-3.2	-0.5	-27.3-29	-4.6-3.7
Asia																		
China	32.38	32.30	26.63	25.58	30.21	20.12	43.63	19.35	32.73	20.82	41.90	27.75	26.25	21.62	-3.9	-4.3	-16.3-10.5	-14.2-6.9
China, Hong Kong	35.84	30.63	51.78	38.46	28.38	29.09	31.59	14.52	23.18	27.12	30.64	18.73	30.88	19.20	-7.8	-10.9	-16.2-1.5	-27.3-9.2
India	23.19	12.48	27.87	16.25	22.53	17.17	31.98	20.09	26.60	20.20	25.34	17.00	27.06	16.58	1.3	5.1	-3.9-6.8	1.6-8.7
Israel	27.55	19.41	22.75	12.75	32.49	20.28	27.79	19.50	31.46	16.94	39.19	26.12	32.55	22.54	2.6	-1.2	-5.9-11.9	-17-17.6
Japan	28.14	18.15	23.52	15.98	30.59	19.14	27.78	14.34	29.64	17.15	21.79	22.19	34.82	25.29	-3.0	6.5	-13.6-8.8	-10.7-27.1
Kuwait	33.50	26.04	40.49	27.45	29.02	18.12	54.15	41.22	17.30	16.07	41.13	35.30	36.30	23.18	5.1	2.4	-5.6-17.1	-5.9-11.4
Europe, Other																		
France	19.97	18.41	25.19	17.85	24.20	14.95	15.84	14.57	42.73	17.56	34.32	36.86	37.14	24.75	14.4	4.9	4.5-25.2	-4.8-15.7
Germany	3.99	12.64	19.21	30.11	13.93	29.23	66.58	7.71	34.69	7.35	13.27	21.03	71.07	37.37	49.9	10.8	3.3-117.4	-4.1-28.1
Italy	37.40	48.63	62.49	14.53	55.43	31.06	81.60	23.80	19.93	34.87	26.63	11.33	33.75	17.94	-5.8	-42.8	-27.1-21.6	-69.4-6.7
Slovakia	22.88	18.96	15.29	11.72	23.61	18.87	20.14	12.23	24.60	11.00	36.06	22.74	36.67	29.23	12.8	7.5	4.7-21.6	-6.1-23
Slovenia	24.01	10.57	22.66	14.02	26.96	25.32	28.56	16.47	36.68	26.60	44.10	26.57	52.00	27.54	14.8	22.2	12.6-16.9	11.9-33.4
Spain	26.07	32.61	17.78	30.86	13.69	4.78	18.62	19.67	24.78	13.20	18.23	32.46	28.13	14.93	2.0	-7.1	-9.7-15.2	-18.6-6
Switzerland	34.44	26.91	16.63	16.12	46.53	5.91	28.36	7.23	24.59	6.34	10.93	39.59	4.84	10.08	-34.1	0.1	-56.3--0.6	-53.8-117
UK	21.35	13.32	17.18	21.73	32.89	18.27	29.87	28.72	30.99	30.61	28.57	26.33	28.61	18.27	5.3	5.8	-4.3-15.9	-1.5-13.6
Europe, Scandinavian Countries																		
Denmark	25.97	18.82	24.86	22.01	20.41	17.97	29.11	19.03	22.12	15.85	37.81	21.28	31.16	12.89	1.4	-4.3	-5-8.2	-16.9-10.3
Iceland	26.13	18.31	18.53	19.29	55.45	0.00	37.31	0.00	36.80	38.25	17.80	56.24	33.28	17.47	-3.4	1.0	-25-24.4	1.4-28.5
Norway	19.87	17.01	25.72	13.53	18.70	15.64	20.31	12.14	39.39	15.35	33.15	18.15	31.34	39.70	13.6	14.1	1.7-26.9	-6.1-38.6
Oceania																		
Australia	28.73	19.36	28.99	19.64	33.62	22.05	35.45	21.73	36.59	25.69	37.78	24.17	41.89	26.58	5.4	4.7	2.1-8.8	2.2-7.3
New Zealand	22.24	23.23	36.20	24.29	37.54	22.10	35.10	16.58	46.60	17.86	44.64	25.29	45.13	34.68	10.8	3.1	3.5-18.6	-3.1-9.6

Abbreviation: APPC, average period percentage change.

Supplementary Table 5.3

Incidence rates (per 1,000,000 person-years) of thyroid cancer among adolescents aged 15-19 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Americas																			
USA	4.99	21.31	6.88	26.75	3.88	24.16	3.09	24.40	7.09	31.87	5.70	31.91	7.09	52.94	11.6	13.5	-7.1-34	5.1-22.5	
USA, Hawaii	14.12	26.63	0	27.53	0	51.1	9.74	41.61	9.23	15.18	18.75	21.02	13.64	29.35	-0.2	2.6	-7.1-7.3	-9.8-16.7	
Canada	6.27	16.36	4.45	21.52	3.88	22.35	7.31	25.81	5.26	30.7	10.74	36.9	12.83	42.27	13.9	16.2	-2.7-33.2	14.9-17.6	
Colombia	3.3	9.98	6.01	9.61	2.92	7.11	0	11.42	2.11	17.52	2.21	20.98	1.95	34.31	21.7	21.7	-20.1--8.6	14.7-29.2	
Asia																			
China	2.16	5.87	1.02	11.12	3.63	10.73	6.06	16.13	2.28	14.65	4.99	32.89	18.05	49.89	27.2	42	-13.4-87.1	21.7-65.6	
China, Hong Kong	5.31	12.11	2.43	15.73	4.43	27.15	3.61	34.84	6.01	21.69	3.6	27.16	8.17	40.31	9.8	23.5	-10.8-35.2	13.6-34.3	
India	0.86	2.6	1.21	4.94	1.11	3.18	0.52	3.96	1.79	4.49	1.81	3.66	1.69	8.97	16	24.8	3.2-30.4	-5.2-64.3	
Israel	4.59	15.25	2.39	15.3	2.63	27.66	11.58	29.26	7.32	27.73	5.7	30.59	11.72	34.15	14.7	15.3	-1.5-33.5	8.2-22.8	
Japan	1.13	6.44	0.8	6.73	1.68	7.09	2.42	11.39	2.82	8.33	2.66	18.31	2.25	17.06	2.6	16.9	-25.1-40.6	7.1-27.5	
Kuwait	11.17	17.36	2.53	0	0	14.5	3.87	45.34	2.47	5.36	8.66	7.06	1.91	18.97	2.8	2.8	-48-89.2	-15.3-24.7	
Europe, Other																			
France	0	5.52	3.15	8.11	1.61	9.97	5.28	20.03	5.13	26.34	15.44	31.6	5.57	30.46	34.1	34.1	14.9-59	22-47.4	
Germany	3.99	8.43	4.8	10.04	0	14.62	0	30.85	0	7.35	6.63	0	14.21	0	24.8	24.8	13.9-26.8	3.7-50.2	
Italy	0	14.59	3.47	7.27	7.39	7.77	9.07	33.32	6.64	0	10.65	22.66	12.66	62.8	29.1	29.1	-100-	-0.4-67.2	
Slovakia	1.91	2.99	0	4.26	3.63	8.49	5.03	10.48	7.03	19.26	4.74	15.82	6.99	25.57	46.6	46.6	18.9-38.9	35.9-58.2	
Slovenia	0	17.61	4.53	4.67	5.39	5.63	2.6	10.98	16.93	14.78	6.3	29.89	3.71	51.15	24.7	24.7	-5.7-60.9	17-32.9	
Spain	0	16.3	5.93	30.86	4.56	28.69	0	29.5	0	13.2	18.23	19.48	7.03	22.39	-2.1	-2.1	1.8-39.3	-19.4-18.8	
Switzerland	0	16.14	0	16.12	0	11.83	0	14.47	0	6.34	10.93	22.62	0	20.17	1.7	1.7	8.5-30333.6	-6.7-10.8	
UK	0.85	7.11	4.52	6.61	1.1	4.57	2.49	11.75	3.72	12.75	1.19	15.05	4.92	15.8	14.7	14.8	-22.5-69.6	12.9-16.6	
Europe, Scandinavian Countries																			
Denmark	2	4.18	0.99	11.53	3.22	3.37	3.64	7.61	6.91	8.64	2.52	13.3	3.34	14.06	6.5	15.4	-30.8-63.9	7.7-23.7	
Iceland	0	9.15	0	0	0	38.54	0	38.75	0	38.25	0	93.73	0	0	58	58.0	0-0	44.9-72.2	
Norway	3.73	10.47	2.34	9.84	3.74	15.64	4.35	15.17	4.38	19.96	2.65	15.36	2.41	12.81	13.7	6.0	-34.3-13.3	-5-18.3	
Oceania																			
Australia	2.25	15.84	2.94	13.86	3.22	9.35	4.67	16.4	5.66	20.56	7.56	21.9	8.03	26.95	25.9	9.9	22.3-29.6	6.9-13.1	
New Zealand	1.24	7.74	3.88	10.8	4.02	8.29	2.92	4.52	2.82	23.81	1.28	15.97	4.88	12.84	14.3	18.1	-13.7-51.4	2.2-36.6	

Abbreviation: APPC, average period percentage change.

Supplementary Table 5.4

Incidence rates (per 1,000,000 person-years) of CNS tumor among adolescents aged 15-19 years during the period of 1978-2012 by gender.

	1978-1982		1983-1987		1988-1992		1993-1997		1998-2002		2003-2007		2008-2012		APPC		95% CI		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Americas																			
USA	20.16	15.1	24.19	18.96	27.67	19.66	19.45	17.40	22.06	14.56	22.78	18.50	22.06	18.48	0.1	1.8	-3.2-3.6	-5.1-9.1	
USA, Hawaii	9.41	5.33	37.80	6.88	11.74	6.39	14.61	20.80	13.84	15.18	23.44	5.25	18.19	9.78	-31.8	21.4	-30.3-	0.9-46	
Canada	24.34	15.35	24.46	18.03	21.91	19.45	20.31	14.05	18.05	16.67	21.94	15.35	24.96	22.46	-0.9	7.1	-3.9-2.1	-1.3-16.3	
Colombia	13.22	7.48	9.02	14.42	5.83	7.11	19.46	4.57	16.86	18.22	11.06	6.29	15.63	8.07	-2.0	0.2	-21.5-22.2	-40.9-69.8	
Asia																			
China	15.83	10.28	13.32	15.57	24.17	13.42	16.97	10.75	23.60	20.82	24.94	20.56	6.56	9.98	0.5	6.9	-15.1-19	-22.6-47.8	
China, Hong Kong	12.61	7.12	14.56	12.24	15.08	17.45	26.18	12.58	18.89	9.04	17.12	10.30	26.33	6.72	13.1	-1.8	6.7-19.9	-11.1-8.5	
India	8.59	5.72	7.88	8.12	10.57	8.27	8.58	9.44	11.62	8.70	12.67	8.37	10.36	8.16	3.4	4.8	-4.5-12	3.5-6.1	
Israel	24.27	21.49	26.94	17.85	18.44	17.52	20.84	15.44	19.75	19.25	19.24	26.86	22.79	15.03	-0.7	-3.2	-8.1-7.2	-11.1-5.5	
Japan	10.13	7.03	12.76	6.31	11.77	11.34	12.48	6.33	12.23	8.82	14.35	10.54	13.48	5.88	3.8	-1.3	-0.3-8.1	-12.8-11.7	
Kuwait	7.44	17.36	12.65	2.75	18.14	7.25	11.60	12.37	9.89	10.71	4.33	4.71	9.55	2.11	-1.2	-39.2	-22.4-25.7	-70.9-27.3	
Europe, Other																			
France	21.78	20.25	22.04	9.74	20.98	13.29	14.08	18.21	11.96	19.31	10.30	8.78	7.43	15.23	-17	-19.6	-20-13.8	-45.5-18.8	
Germany	11.97	16.85	24.01	20.08	34.82	7.31	14.79	30.85	20.81	0.00	26.54	35.04	14.21	0.00	3.6	17.3	-18.8-32	7.8-27.8	
Italy	32.72	9.73	10.42	14.53	22.17	15.53	36.26	19.04	0.00	13.95	21.30	5.66	0.00	31.40	19.8	23.4	16.3-23.5	2.5-48.7	
Slovakia	15.25	11.98	23.45	23.44	24.51	18.87	26.85	27.07	11.42	18.34	17.08	11.86	34.93	25.57	4.9	2.4	-21.9-40.8	-18.8-29.2	
Slovenia	3.43	7.05	20.39	9.34	26.96	2.81	15.58	8.24	28.22	5.91	28.35	9.96	22.28	7.87	23.7	10.3	1.1-51.4	-8.8-33.5	
Spain	10.43	5.43	23.71	49.38	13.69	19.12	27.94	24.58	18.59	26.39	18.23	25.97	14.07	29.86	0.8	43.5	-5.8-8	-51.3-323	
Switzerland	17.22	10.76	16.63	21.50	23.27	11.83	14.18	7.23	24.59	12.67	10.93	0.00	9.69	20.17	-4.1	6.4	-12.1-4.6	-0.5-13.8	
UK	16.23	14.21	20.80	11.34	24.12	17.13	16.18	19.58	17.36	8.93	14.28	10.03	17.99	11.19	1.1	-4.6	-3.9-6.5	-12.6-4.2	
Europe, Scandinavian Countries																			
Denmark	24.97	19.87	29.83	26.20	20.41	14.60	33.96	24.10	15.21	11.53	18.91	21.28	8.90	17.58	-11.8	-4.2	-25.7-4.8	-19.8-14.5	
Iceland	43.55	18.31	55.60	38.58	18.48	0.00	18.65	19.37	18.40	0.00	35.60	0.00	0.00	0.00	-14.1	-50.8	-27.1-1.1	-81.2-29	
Norway	19.87	28.79	42.08	19.69	21.20	16.94	23.21	36.41	18.97	19.96	43.76	37.71	20.49	8.96	0.7	-12.2	-27.5-39.6	-31.6-12.6	
Oceania																			
Australia	28.16	25.82	20.55	15.02	22.53	16.82	16.75	19.27	19.24	15.42	17.99	13.97	20.25	15.14	-5.2	-5.8	-8.7--1.5	-11.2--0.2	
New Zealand	34.59	28.39	21.98	21.59	14.75	9.67	24.86	10.55	12.71	16.37	12.75	18.63	10.98	14.13	-14.9	-7.8	-24.9--3.6	-26.4-15.5	

Abbreviations: APPC, average period percentage change; CNS, central nervous system.