

Supplementary Material:

International trends in the incidence of cancer among adolescents and young adults

Sumit Gupta^{1,@}, Andrew Harper², Yibing Ruan², Ronald Barr³, A. Lindsay Frazier⁴, Jacques Ferlay⁵, Eva Steliarova-Foucher⁵, Miranda M Fidler-Benaoudia^{2,6,@}

1 – Division of Hematology/Oncology, The Hospital for Sick Children, Toronto, Ontario, Canada

2 – Department of Cancer Epidemiology and Prevention Research, CancerControl Alberta, Alberta Health Services, Calgary, Alberta, Canada

3 – Department of Pediatrics, McMaster University, Hamilton, Ontario, Canada

4 – Dana Farber Cancer Institute, Boston, Massachusetts, United States of America

5 – Section of Cancer Surveillance, International Agency for Research on Cancer, Lyon, France

6 – Departments of Oncology and Community Health Sciences, University of Calgary, Calgary, Alberta, Canada

CORRESPONDING AUTHORS:

Miranda M Fidler-Benaoudia

Room 508B, Holy Cross Centre, 2210 2nd St. SW

Department of Cancer Epidemiology and Prevention Research

Calgary, Alberta, T2S 3C3 Canada

Telephone: +1 403 355 3277

Fax: +1 403 264 264

Email: Miranda.Fidler-Benaoudia@ahs.ca

Sumit Gupta

Hospital for Sick Children

Room 9402, 555 University Avenue

Toronto, Ontario, M5G 1X8 Canada

Phone: +1 416 813 7654 ext. 201681

Email: sumit.gupta@sickkids.ca

Supplementary Table 1: Registries included in data analyses and number of cases, for 15-39 year olds during the period of 1998-2012 for all cancers excluding non-melanoma skin cancers

Country	No. of Cases (Pct. of Total)
Africa	
Uganda*	7,395
<i>Uganda – Kampala</i>	7,395 (100.0%)
South America	
Brazil*	4,143
<i>Brazil – Goiania</i>	4,143 (100.0%)
Chile*	1,084
<i>Chile – Valdivia</i>	1,084 (100.0%)
Colombia*	6,101
<i>Colombia – Cali</i>	6,101 (100.0%)
Ecuador*	4,724
<i>Ecuador – Quito</i>	4,724 (100.0%)
North America	
Canada*	80,414
<i>Canada (excluding Nunavut, Quebec, and Yukon)</i>	80,414 (100.0%)
United States of America*	952,752
<i>United States of America – National Program of Cancer Registries</i>	952,752 (100.0%)
<i>United States of America – National Program of Cancer Registries: American, Indian, Alaska Native</i>	5,166 (0.5%)
<i>United States of America – National Program of Cancer Registries: Asian, Pacific Islander</i>	37,246 (3.9%)
<i>United States of America – National Program of Cancer Registries: Black</i>	112,079 (11.8%)
<i>United States of America – National Program of Cancer Registries: White</i>	783,260 (82.2%)
Asia	
Bahrain*	937
<i>Bahrain (Bahraini population)</i>	937 (100.0%)
China*	40,275
<i>China – Harbin</i>	1,968 (4.9%)
<i>China – Hong Kong</i>	20,441 (50.8%)
<i>China – Jiashan</i>	737 (1.8%)
<i>China – Shanghai</i>	12,810 (31.8%)
<i>China – Zhongshan</i>	4,319 (10.7%)
India*	8,947
<i>India – Chennai</i>	8,947 (100.0%)
Israel	22,408
Japan*	21,402
<i>Japan – Fukui</i>	1,531 (7.2%)
<i>Japan – Nagasaki</i>	3,137 (14.7%)
<i>Japan – Osaka</i>	16,734 (78.2%)
Kuwait*	2,009
<i>Kuwait (Kuwaiti population)</i>	2,009 (100.0%)
Philippines*	15,678
<i>Philippines – Manila</i>	15,678 (100.0%)
Republic of Korea*	77,486
<i>Republic of Korea – Busan</i>	13,292 (17.2%)
<i>Republic of Korea – Gwangju</i>	6,914 (8.9%)
<i>Republic of Korea – Incheon</i>	10,619 (13.7%)
<i>Republic of Korea – Seoul</i>	46,661 (60.2%)
Thailand*	11,889
<i>Thailand – Chiang Mai</i>	4,083 (34.3%)
<i>Thailand – Khon Kaen</i>	3,281 (27.6%)
<i>Thailand – Lampang</i>	1,848 (15.5%)
<i>Thailand – Songkhla</i>	2,677 (22.5%)
Turkey*	14,791
<i>Turkey – Antalya</i>	4,151 (28.1%)
<i>Turkey – Izmir</i>	10,640 (71.9%)
Europe	
Austria	24,839
Belarus	28,005
Bulgaria	20,644
Croatia	13,781
Cyprus	2,690
Czech Republic	30,523
Denmark	18,376
Estonia	3,401
France*	21,614
<i>France – Calvados</i>	2,016 (9.3%)
<i>France – Doubs</i>	1,675 (7.7%)

<i>France – Haut-Rhin</i>	2,382 (11.0%)
<i>France – Hérault</i>	3,204 (14.8%)
<i>France – Isère</i>	4,095 (18.9%)
<i>France – Loire-Atlantique</i>	4,205 (19.5%)
<i>France – Manche</i>	1,333 (6.2%)
<i>France – Martinique</i>	923 (4.3%)
<i>France – Somme</i>	1,781 (8.2%)
Germany*	9,002
<i>Germany – Hamburg</i>	5,995 (66.6%)
<i>Germany – Saarland</i>	3,007 (33.4%)
Iceland	1,068
Ireland	13,443
Italy*	12,734
<i>Italy – Biella</i>	634 (5.0%)
<i>Italy – Modena</i>	2,604 (20.4%)
<i>Italy – Naples</i>	2,289 (18.0%)
<i>Italy – Parma</i>	1,680 (13.2%)
<i>Italy – Ragusa</i>	982 (7.7%)
<i>Italy – Romagna</i>	4,545 (35.7%)
Lithuania	9,028
Malta	1,056
Netherlands	53,763
Norway	15,405
Poland*	2,812
<i>Poland – Kielce</i>	2,812 (100.0%)
Slovenia	6,482
Spain*	14,045
<i>Spain – Basque Country</i>	6,857 (48.8%)
<i>Spain – Girona</i>	2,066 (14.7%)
<i>Spain – Granada</i>	2,773 (19.7%)
<i>Spain – Tarragona</i>	2,349 (16.7%)
Switzerland*	8,210
<i>Switzerland – Geneva</i>	1,720 (21.0%)
<i>Switzerland – Neuchâtel</i>	550 (6.7%)
<i>Switzerland – St. Gall-Appenzell</i>	1,635 (19.9%)
<i>Switzerland – Ticino</i>	1,140 (13.9%)
<i>Switzerland – Valais</i>	947 (11.5%)
<i>Switzerland – Vaud</i>	2,218 (27.0%)
United Kingdom*	167,412
<i>United Kingdom – England*</i>	146,789 (87.7%)
<i>United Kingdom – England: East England</i>	14,860 (10.1%)
<i>United Kingdom – England: East-Midlands</i>	12,105 (8.2%)
<i>United Kingdom – England: London</i>	24,325 (16.6%)
<i>United Kingdom – England: North-East</i>	7,406 (5.0%)
<i>United Kingdom – England: North-West</i>	19,173 (13.1%)
<i>United Kingdom – England: South-East</i>	23,812 (16.2%)
<i>United Kingdom – England: South-West</i>	15,161 (10.3%)
<i>United Kingdom – England: West-Midlands</i>	14,767 (10.1%)
<i>United Kingdom – England: Yorkshire-Humber</i>	15,180 (10.3%)
<i>United Kingdom – Northern Ireland</i>	5,256 (3.1%)
<i>United Kingdom – Scotland</i>	15,367 (9.2%)
Oceania	
Australia	81,024
<i>Australia – New South Wales</i>	27,434 (33.9%)
<i>Australia – Northern Territories</i>	809 (1.0%)
<i>Australia – Queensland</i>	18,202 (22.5%)
<i>Australia – South Australia</i>	5,530 (6.8%)
<i>Australia – Tasmania</i>	1,757 (2.2%)
<i>Australia – Victoria</i>	18,924 (23.4%)
<i>Australia – Western Australia</i>	8,368 (10.3%)
New Zealand	14,796

*Sub-National

Supplementary Table 2: Number of cases and truncated age-standardized rate (ASR) per 100,000 person-years for 15-39 year olds during the period of 1998-2012 for cancers of the bladder, bone, brain (central nervous system), connective and soft tissue, corpus uteri (female only), eye, gallbladder and extrahepatic ducts, Hodgkin lymphoma, Kaposi sarcoma, larynx, leukaemia, lip (oral cavity and pharynx), liver and intrahepatic bile ducts, lung (incl. trachea), melanoma of skin, multiple myeloma and immunoproliferative diseases, Non-Hodgkin lymphoma, oesophagus, ovary (female only), pancreas, prostate (male only), and stomach.

Country	Bladder	Bone	Brain, central nervous system	Connective and soft tissue	Corpus uteri	Eye	Gallbladder and extrahepatic ducts
	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)
Africa							
Uganda*	26 (0.19)	140 (0.96)	68 (0.52)	168 (1.33)	20 (0.40)	250 (2.18)	2 (0.02)
South America							
Brazil*	24 (0.27)	106 (1.31)	255 (2.96)	95 (1.12)	34 (0.73)	36 (0.42)	17 (0.19)
Chile*	6 (0.25)	31 (1.39)	37 (1.66)	17 (0.81)	9 (0.79)	0 (0.00)	15 (0.62)
Colombia*	25 (0.18)	180 (1.42)	315 (2.36)	184 (1.39)	31 (0.42)	17 (0.12)	24 (0.17)
Ecuador*	30 (0.29)	105 (1.05)	253 (2.46)	181 (1.77)	32 (0.60)	24 (0.23)	25 (0.25)
North America							
Canada*	782 (0.52)	1,289 (1.04)	3,818 (2.78)	1,760 (1.30)	1,125 (1.39)	221 (0.15)	132 (0.08)
United States of America*	10,106 (0.59)	14,047 (0.98)	44,102 (2.87)	19,776 (1.29)	19,479 (2.22)	2,362 (0.14)	1,531 (0.09)
USA-American, Indian, Alaskan Native*	49 (0.23)	99 (0.50)	266 (1.31)	125 (0.61)	214 (2.00)	8 (0.04)	12 (0.05)
USA-Asian-Pacific Islander*	251 (0.25)	552 (0.72)	1,488 (1.70)	711 (0.82)	981 (1.82)	55 (0.06)	103 (0.10)
USA-Black*	656 (0.27)	1,790 (0.82)	3,959 (1.76)	3,259 (1.43)	2,205 (1.72)	113 (0.05)	246 (0.10)
USA-White*	8,929 (0.67)	11,482 (1.03)	38,025 (3.16)	15,403 (1.28)	15,847 (2.31)	2,134 (0.16)	1,163 (0.08)
Asia							
Bahrain*	12 (0.42)	29 (0.96)	37 (1.22)	19 (0.64)	12 (0.81)	1 (0.03)	1 (0.03)
China*	272 (0.26)	572 (0.69)	1645 (1.79)	718 (0.77)	766 (1.32)	38 (0.04)	119 (0.11)
India*	43 (0.12)	300 (0.99)	464 (1.43)	200 (0.62)	41 (0.24)	18 (0.05)	62 (0.18)
Israel	359 (0.90)	448 (1.20)	1,008 (2.60)	517 (1.34)	215 (1.06)	57 (0.14)	23 (0.06)
Japan*	206 (0.31)	257 (0.53)	754 (1.33)	345 (0.60)	503 (1.43)	12 (0.02)	84 (0.13)
Kuwait*	19 (0.33)	53 (0.85)	66 (1.13)	41 (0.69)	11 (0.37)	0 (0.00)	1 (0.02)
Philippines*	75 (0.18)	468 (1.18)	440 (1.08)	362 (0.88)	338 (1.64)	12 (0.03)	37 (0.09)
Republic of Korea*	464 (0.34)	849 (0.81)	1,953 (1.65)	974 (0.83)	873 (1.28)	57 (0.05)	300 (0.21)
Thailand*	63 (0.17)	167 (0.56)	411 (1.24)	191 (0.57)	105 (0.54)	36 (0.10)	55 (0.15)
Turkey*	318 (0.84)	325 (1.03)	933 (2.60)	337 (0.95)	157 (0.80)	22 (0.06)	49 (0.13)
Europe							
Austria	283 (0.56)	422 (1.10)	1,332 (2.92)	462 (1.04)	215 (0.78)	56 (0.11)	33 (0.06)
Belarus	304 (0.50)	444 (0.85)	1,471 (2.58)	610 (1.08)	492 (1.52)	131 (0.21)	36 (0.06)
Bulgaria	367 (0.78)	341 (0.93)	1,191 (2.77)	402 (0.93)	291 (1.21)	49 (0.11)	37 (0.08)
Croatia	202 (0.78)	318 (1.53)	1,001 (4.27)	246 (1.06)	124 (0.91)	40 (0.16)	35 (0.13)
Cyprus	52 (1.13)	54 (1.30)	78 (1.75)	65 (1.42)	19 (0.72)	6 (0.12)	3 (0.07)
Czech Republic	413 (0.64)	425 (0.81)	1,604 (2.65)	578 (0.96)	354 (1.06)	85 (0.13)	60 (0.09)
Denmark	164 (0.51)	241 (0.98)	724 (2.52)	495 (1.75)	87 (0.52)	100 (0.32)	25 (0.07)
Estonia	41 (0.51)	61 (0.91)	205 (2.78)	69 (0.92)	53 (1.25)	8 (0.10)	4 (0.05)
France*	69 (0.16)	368 (1.14)	924 (2.53)	431 (1.23)	90 (0.43)	60 (0.15)	17 (0.04)
Germany*	134 (0.79)	138 (1.12)	393 (2.58)	173 (1.16)	55 (0.59)	10 (0.06)	17 (0.09)
Iceland	16 (0.89)	19 (1.24)	37 (2.10)	19 (1.13)	7 (0.72)	2 (0.12)	2 (0.12)
Ireland	171 (0.62)	187 (0.82)	712 (2.80)	221 (0.88)	84 (0.58)	46 (0.17)	21 (0.08)
Italy*	318 (1.59)	161 (1.11)	461 (2.62)	179 (1.05)	102 (0.92)	36 (0.18)	19 (0.09)
Lithuania	124 (0.60)	157 (0.87)	580 (3.02)	177 (0.94)	126 (1.13)	24 (0.11)	9 (0.04)
Malta	19 (0.81)	13 (0.67)	45 (2.05)	25 (1.14)	11 (0.93)	2 (0.09)	2 (0.11)
Netherlands	865 (0.85)	766 (1.03)	2,344 (2.60)	1,004 (1.15)	210 (0.40)	181 (0.19)	105 (0.10)
Norway	147 (0.53)	226 (1.02)	849 (3.33)	258 (1.05)	138 (0.92)	57 (0.22)	29 (0.09)
Poland*	45 (0.59)	56 (0.81)	246 (3.43)	67 (0.94)	34 (0.92)	8 (0.11)	9 (0.12)
Slovenia	47 (0.36)	92 (0.93)	242 (2.16)	107 (0.95)	43 (0.68)	15 (0.12)	7 (0.05)
Spain*	337 (1.15)	202 (0.96)	589 (2.34)	324 (1.32)	134 (0.89)	29 (0.09)	21 (0.07)
Switzerland*	67 (0.48)	126 (1.10)	319 (2.42)	129 (1.02)	63 (0.77)	11 (0.08)	9 (0.06)
United Kingdom*	925 (0.26)	2,477 (0.90)	7,613 (2.40)	3,134 (1.01)	1,187 (0.64)	505 (0.15)	180 (0.05)
Oceania							
Australia	296 (0.23)	1,030 (1.00)	3,077 (2.63)	1,329 (1.16)	681 (1.01)	283 (0.23)	101 (0.08)
New Zealand	91 (0.36)	246 (1.19)	564 (2.44)	263 (1.16)	209 (1.54)	48 (0.20)	17 (0.07)

Country	Hodgkin lymphoma No. of Cases (ASR per 100,000)	Kaposi sarcoma No. of Cases (ASR per 100,000)	Larynx No. of Cases (ASR per 100,000)	Leukaemia No. of Cases (ASR per 100,000)	Lip, oral cavity and pharynx No. of Cases (ASR per 100,000)	Liver and intrahepatic bile ducts No. of Cases (ASR per 100,000)	Lung (incl. trachea) No. of Cases (ASR per 100,000)
Africa							
Uganda*	133 (1.03)	3074 (25.31)	20 (0.18)	157 (1.20)	226 (1.82)	299 (2.45)	49 (0.42)
South America							
Brazil*	168 (2.00)	48 (0.54)	11 (0.12)	208 (2.46)	125 (1.45)	21 (0.24)	48 (0.55)
Chile*	30 (1.39)	2 (0.09)	0 (0.00)	60 (2.80)	6 (0.28)	4 (0.18)	2 (0.08)
Colombia*	184 (1.42)	148 (1.09)	12 (0.09)	443 (3.42)	107 (0.79)	30 (0.22)	69 (0.50)
Ecuador*	80 (0.79)	35 (0.34)	3 (0.03)	395 (3.95)	54 (0.52)	34 (0.33)	59 (0.57)
North America							
Canada*	4,986 (3.91)	180 (0.12)	101 (0.06)	3,423 (2.54)	1,872 (1.26)	353 (0.24)	1,293 (0.83)
United States of America*	56,739 (3.83)	7056 (0.42)	2,122 (0.12)	43,737 (2.88)	20,098 (1.21)	5,329 (0.33)	19,336 (1.11)
USA-American, Indian, Alaskan Native*	185 (0.94)	43 (0.20)	6 (0.03)	339 (1.67)	111 (0.54)	37 (0.17)	75 (0.35)
USA-Asian-Pacific Islander*	1,340 (1.66)	107 (0.11)	36 (0.04)	2,058 (2.41)	1,773 (1.81)	925 (0.93)	912 (0.89)
USA-Black*	7,309 (3.28)	2718 (1.15)	267 (0.11)	5,572 (2.45)	2,807 (1.19)	1,174 (0.49)	2,916 (1.18)
USA-White*	47,338 (4.11)	4004 (0.29)	1,792 (0.13)	35,404 (2.99)	15,083 (1.16)	3,160 (0.25)	15,339 (1.11)
Asia							
Bahrain*	67 (2.24)	2 (0.07)	0 (0.00)	75 (2.52)	30 (1.03)	9 (0.30)	8 (0.27)
China*	558 (0.65)	1 (0.00)	40 (0.04)	2,151 (2.41)	4,621 (4.34)	2,262 (2.06)	1,636 (1.47)
India*	251 (0.82)	2 (0.01)	70 (0.20)	732 (2.32)	1,081 (3.16)	108 (0.32)	226 (0.66)
Israel	2,077 (5.45)	49 (0.13)	45 (0.11)	1,100 (2.86)	425 (1.09)	68 (0.18)	356 (0.89)
Japan*	261 (0.50)	10 (0.01)	20 (0.03)	1,362 (2.46)	653 (1.02)	360 (0.53)	799 (1.17)
Kuwait*	192 (3.21)	2 (0.03)	2 (0.04)	176 (2.94)	52 (0.90)	9 (0.16)	21 (0.37)
Philippines*	239 (0.58)	4 (0.01)	32 (0.08)	1,322 (3.25)	850 (2.05)	726 (1.76)	615 (1.49)
Republic of Korea*	460 (0.43)	23 (0.02)	67 (0.05)	3,100 (2.68)	1,235 (0.97)	2,761 (1.96)	1,480 (1.07)
Thailand*	141 (0.45)	19 (0.06)	24 (0.07)	828 (2.55)	594 (1.69)	1,003 (2.67)	569 (1.54)
Turkey*	607 (1.75)	20 (0.06)	90 (0.23)	924 (2.69)	417 (1.15)	93 (0.25)	549 (1.39)
Europe							
Austria	1,223 (3.07)	6 (0.01)	44 (0.08)	1,045 (2.43)	430 (0.82)	140 (0.28)	548 (1.02)
Belarus	2,509 (4.65)	0 (0.00)	121 (0.19)	1,327 (2.39)	472 (0.77)	139 (0.23)	617 (0.98)
Bulgaria	1,104 (2.69)	5 (0.01)	110 (0.23)	817 (2.01)	498 (1.08)	166 (0.36)	681 (1.40)
Croatia	827 (3.75)	2 (0.01)	53 (0.20)	551 (2.45)	261 (1.05)	95 (0.37)	348 (1.29)
Cyprus	256 (6.03)	5 (0.11)	5 (0.10)	134 (3.05)	40 (0.85)	14 (0.30)	38 (0.79)
Czech Republic	1,882 (3.33)	11 (0.02)	54 (0.08)	934 (1.59)	467 (0.73)	128 (0.20)	463 (0.71)
Denmark	853 (3.30)	34 (0.10)	38 (0.11)	652 (2.40)	290 (0.94)	67 (0.23)	308 (0.92)
Estonia	312 (4.43)	2 (0.03)	16 (0.20)	168 (2.35)	59 (0.72)	20 (0.25)	67 (0.82)
France*	1,390 (4.22)	78 (0.19)	68 (0.16)	923 (2.64)	463 (1.18)	141 (0.38)	582 (1.41)
Germany*	516 (3.78)	26 (0.13)	15 (0.08)	422 (2.91)	160 (0.96)	52 (0.29)	178 (0.95)
Iceland	66 (4.08)	0 (0.00)	0 (0.00)	31 (1.89)	18 (1.05)	6 (0.33)	19 (1.02)
Ireland	832 (3.52)	43 (0.15)	22 (0.08)	552 (2.24)	237 (0.89)	60 (0.22)	225 (0.82)
Italy*	840 (5.53)	93 (0.45)	35 (0.15)	473 (2.93)	226 (1.18)	71 (0.37)	224 (1.07)
Lithuania	692 (3.85)	3 (0.01)	27 (0.12)	450 (2.40)	142 (0.69)	38 (0.19)	190 (0.88)
Malta	82 (3.90)	0 (0.00)	3 (0.12)	55 (2.63)	25 (1.14)	3 (0.12)	16 (0.69)
Netherlands	3,035 (3.87)	237 (0.24)	72 (0.07)	1,985 (2.36)	934 (0.99)	180 (0.20)	1,189 (1.12)
Norway	898 (3.85)	16 (0.06)	19 (0.06)	559 (2.32)	231 (0.87)	59 (0.22)	243 (0.85)
Poland*	230 (3.28)	0 (0.00)	12 (0.16)	120 (1.69)	56 (0.75)	18 (0.24)	65 (0.88)
Slovenia	363 (3.53)	3 (0.02)	21 (0.15)	225 (2.17)	122 (0.98)	11 (0.09)	122 (0.91)
Spain*	1,029 (4.60)	129 (0.44)	77 (0.24)	578 (2.41)	345 (1.19)	110 (0.40)	391 (1.25)
Switzerland*	557 (4.80)	61 (0.41)	13 (0.08)	299 (2.30)	162 (1.15)	52 (0.39)	143 (0.95)
United Kingdom*	10,289 (3.54)	793 (0.23)	316 (0.09)	6,921 (2.30)	3,598 (1.07)	834 (0.25)	2,595 (0.72)
Oceania							
Australia	3,754 (3.53)	168 (0.13)	74 (0.06)	3,346 (2.98)	3,061 (2.43)	353 (0.29)	1,067 (0.82)
New Zealand	594 (2.78)	19 (0.07)	9 (0.03)	683 (3.09)	338 (1.40)	71 (0.29)	207 (0.80)

Country	Melanoma of skin No. of Cases (ASR per 100,000)	Multiple myeloma and immunoproliferative diseases No. of Cases (ASR per 100,000)	Non-Hodgkin lymphoma No. of Cases (ASR per 100,000)	Oesophagus No. of Cases (ASR per 100,000)	Ovary No. of Cases (ASR per 100,000)	Pancreas No. of Cases (ASR per 100,000)	Prostate (male) No. of Cases (ASR per 100,000)	Stomach No. of Cases (ASR per 100,000)
Africa								
Uganda*	22 (0.18)	15 (0.15)	419 (3.37)	62 (0.65)	122 (1.98)	26 (0.23)	12 (0.20)	58 (0.52)
South America								
Brazil*	126 (1.41)	9 (0.10)	199 (2.30)	12 (0.13)	106 (2.31)	22 (0.24)	18 (0.43)	122 (1.38)
Chile*	22 (1.04)	1 (0.04)	45 (2.03)	6 (0.25)	26 (2.33)	6 (0.24)	2 (0.17)	46 (1.95)
Colombia*	85 (0.63)	20 (0.14)	433 (3.24)	13 (0.10)	186 (2.64)	23 (0.17)	9 (0.14)	349 (2.53)
Ecuador*	63 (0.61)	15 (0.15)	374 (3.65)	4 (0.04)	137 (2.59)	18 (0.18)	4 (0.08)	263 (2.53)
North America								
Canada*	7,195 (4.90)	242 (0.15)	4,837 (3.38)	173 (0.11)	1,798 (2.52)	450 (0.29)	78 (0.10)	799 (0.51)
United States of America*	96,700 (5.95)	3,804 (0.21)	57,922 (3.61)	2,102 (0.12)	19,783 (2.48)	5,704 (0.33)	1,729 (0.19)	9,167 (0.53)
USA-American, Indian, Alaskan Native*	195 (0.94)	24 (0.11)	262 (1.25)	17 (0.08)	118 (1.17)	43 (0.20)	4 (0.04)	94 (0.44)
USA-Asian-Pacific Islander*	424 (0.44)	122 (0.12)	2,257 (2.50)	59 (0.06)	1,172 (2.45)	264 (0.26)	27 (0.05)	844 (0.83)
USA-Black*	531 (0.23)	1,059 (0.43)	10,238 (4.39)	201 (0.08)	2,427 (2.02)	983 (0.40)	479 (0.40)	1,742 (0.72)
USA-White*	90,107 (7.07)	2,572 (0.18)	44,350 (3.52)	1,817 (0.13)	15,899 (2.56)	4,386 (0.32)	1,164 (0.16)	6,428 (0.48)
Asia								
Bahrain*	1 (0.04)	4 (0.14)	78 (2.59)	4 (0.14)	29 (1.91)	7 (0.23)	0 (0.00)	18 (0.59)
China*	122 (0.12)	70 (0.06)	1,698 (1.83)	127 (0.11)	1,264 (2.59)	248 (0.23)	12 (0.03)	1,622 (1.50)
India*	27 (0.08)	28 (0.08)	517 (1.60)	177 (0.51)	318 (1.96)	66 (0.19)	5 (0.03)	494 (1.43)
Israel	1,699 (4.27)	90 (0.22)	1,952 (4.96)	33 (0.08)	372 (1.91)	115 (0.29)	11 (0.06)	359 (0.90)
Japan*	146 (0.24)	40 (0.06)	921 (1.54)	50 (0.07)	932 (3.02)	196 (0.28)	8 (0.02)	1,724 (2.51)
Kuwait*	4 (0.07)	7 (0.13)	238 (4.02)	5 (0.09)	40 (1.33)	10 (0.17)	0 (0.00)	27 (0.48)
Philippines*	35 (0.08)	22 (0.05)	718 (1.74)	41 (0.10)	940 (4.44)	86 (0.20)	11 (0.05)	201 (0.49)
Republic of Korea*	191 (0.15)	123 (0.09)	2,765 (2.27)	57 (0.04)	1,891 (3.15)	401 (0.29)	38 (0.06)	7,522 (5.30)
Thailand*	35 (0.10)	37 (0.10)	765 (2.28)	27 (0.07)	526 (3.05)	58 (0.15)	4 (0.02)	244 (0.68)
Turkey*	249 (0.67)	66 (0.17)	792 (2.21)	85 (0.22)	411 (2.23)	95 (0.25)	17 (0.09)	490 (1.26)
Europe								
Austria	2967 (6.19)	79 (0.14)	1,275 (2.78)	60 (0.11)	627 (2.59)	165 (0.31)	42 (0.15)	410 (0.75)
Belarus	1060 (1.77)	68 (0.11)	1,017 (1.79)	46 (0.07)	1,221 (4.13)	230 (0.37)	12 (0.04)	1,464 (2.35)
Bulgaria	670 (1.46)	37 (0.08)	713 (1.65)	45 (0.09)	1,029 (4.70)	238 (0.50)	9 (0.04)	504 (1.06)
Croatia	859 (3.42)	46 (0.18)	712 (3.03)	31 (0.11)	503 (4.03)	94 (0.35)	6 (0.05)	260 (0.98)
Cyprus	79 (1.70)	7 (0.14)	161 (3.51)	2 (0.04)	49 (2.10)	6 (0.12)	1 (0.04)	35 (0.71)
Czech Republic	3,009 (4.71)	68 (0.10)	1,225 (1.98)	69 (0.10)	986 (3.21)	208 (0.31)	11 (0.03)	467 (0.69)
Denmark	3,756 (12.50)	50 (0.14)	742 (2.53)	36 (0.11)	328 (2.25)	94 (0.27)	6 (0.03)	134 (0.41)
Estonia	294 (3.76)	10 (0.12)	204 (2.73)	6 (0.07)	117 (3.02)	32 (0.37)	2 (0.05)	143 (1.73)
France*	2,240 (5.94)	82 (0.20)	1,114 (3.04)	49 (0.12)	378 (2.06)	154 (0.39)	13 (0.07)	209 (0.51)
Germany*	1,061 (6.53)	40 (0.22)	500 (3.26)	32 (0.17)	209 (2.60)	42 (0.24)	9 (0.10)	124 (0.66)
Iceland	224 (12.95)	4 (0.20)	45 (2.67)	1 (0.05)	17 (1.99)	1 (0.05)	0 (0.00)	11 (0.60)
Ireland	1,630 (6.09)	43 (0.15)	761 (2.89)	61 (0.21)	314 (2.39)	62 (0.22)	10 (0.07)	149 (0.53)
Italy*	1,365 (7.10)	46 (0.21)	799 (4.30)	17 (0.09)	236 (2.44)	78 (0.39)	3 (0.03)	200 (0.92)
Lithuania	446 (2.23)	28 (0.13)	434 (2.27)	16 (0.08)	383 (3.73)	92 (0.43)	6 (0.06)	369 (1.75)
Malta	83 (3.68)	3 (0.14)	81 (3.67)	1 (0.04)	30 (2.69)	4 (0.18)	1 (0.08)	10 (0.42)
Netherlands	9,367 (9.84)	154 (0.14)	2,635 (2.92)	159 (0.15)	773 (1.72)	265 (0.25)	20 (0.04)	557 (0.54)
Norway	2,088 (7.56)	50 (0.16)	676 (2.61)	16 (0.05)	307 (2.41)	98 (0.33)	8 (0.06)	142 (0.49)
Poland*	135 (1.80)	9 (0.12)	115 (1.57)	5 (0.07)	98 (2.75)	21 (0.27)	3 (0.08)	74 (0.97)
Slovenia	811 (6.59)	14 (0.11)	288 (2.46)	13 (0.10)	156 (2.72)	47 (0.34)	3 (0.05)	136 (1.04)
Spain*	1,214 (4.42)	39 (0.13)	1,054 (3.88)	33 (0.10)	299 (2.26)	107 (0.35)	5 (0.04)	238 (0.79)
Switzerland*	1,561 (11.17)	33 (0.20)	443 (3.21)	13 (0.08)	110 (1.63)	34 (0.23)	7 (0.10)	103 (0.66)
United Kingdom*	20,677 (6.21)	678 (0.18)	8,997 (2.76)	651 (0.18)	3,783 (2.29)	840 (0.23)	118 (0.07)	1,449 (0.41)
Oceania								
Australia	19,427 (15.91)	219 (0.17)	4,083 (3.42)	151 (0.11)	1,263 (2.14)	356 (0.28)	102 (0.15)	649 (0.50)
New Zealand	3,162 (13.14)	44 (0.17)	707 (2.99)	27 (0.10)	289 (2.45)	74 (0.29)	9 (0.07)	243 (0.99)

*Sub-National

Supplementary Table 3: Number of cases and truncated age-standardized rate (ASR) per 100,000 person-years for 15-39 year old males during the period of 1998-2012 for cancers of the bladder, bone, brain (central nervous system), connective and soft tissue, eye, gallbladder and extrahepatic ducts, Hodgkin lymphoma, Kaposi sarcoma, larynx, leukaemia, lip (oral cavity and pharynx), liver and intrahepatic bile ducts, lung (incl. trachea), melanoma of skin, multiple myeloma and immunoproliferative diseases, Non-Hodgkin lymphoma, oesophagus, pancreas, prostate, and stomach.

Country	Bladder No. of Cases (ASR per 100,000)	Bone No. of Cases (ASR per 100,000)	Brain, central nervous system No. of Cases (ASR per 100,000)	Connective and soft tissue No. of Cases (ASR per 100,000)	Eye No. of Cases (ASR per 100,000)	Gallbladder and extrahepatic ducts No. of Cases (ASR per 100,000)	Hodgkin lymphoma No. of Cases (ASR per 100,000)
Africa							
Uganda*	16 (0.23)	78 (1.19)	46 (0.72)	84 (1.38)	100 (1.69)	1 (0.01)	67 (1.10)
South America							
Brazil*	16 (0.38)	67 (1.74)	135 (3.29)	53 (1.30)	23 (0.55)	6 (0.14)	81 (2.02)
Chile*	5 (0.41)	21 (1.39)	21 (1.88)	8 (0.75)	0 (0.00)	3 (0.24)	18 (1.66)
Colombia*	13 (0.20)	114 (1.89)	191 (3.04)	90 (1.44)	9 (0.14)	10 (0.15)	93 (1.51)
Ecuador*	15 (0.31)	65 (1.33)	143 (2.90)	93 (1.90)	11 (0.22)	10 (0.20)	43 (0.87)
North America							
Canada*	498 (0.65)	766 (1.22)	2,167 (3.12)	923 (1.35)	111 (0.15)	65 (0.08)	2,584 (3.97)
United States of America*	7,013 (0.81)	8,297 (1.15)	24,951 (3.21)	10,831 (1.40)	1,230 (0.15)	728 (0.08)	29,397 (3.89)
USA-American, Indian, Alaskan Native*	31 (0.29)	47 (0.46)	147 (1.40)	68 (0.65)	6 (0.05)	3 (0.03)	95 (0.93)
USA-Asian-Pacific Islander*	182 (0.37)	328 (0.87)	812 (1.89)	375 (0.89)	27 (0.06)	39 (0.08)	694 (1.75)
USA-Black*	457 (0.39)	1,022 (0.95)	2,123 (1.94)	1,711 (1.57)	60 (0.05)	98 (0.08)	3,696 (3.42)
USA-White*	6,194 (0.90)	6,832 (1.21)	21,662 (3.52)	8,524 (1.39)	1,102 (0.17)	586 (0.08)	24,607 (4.14)
Asia							
Bahrain*	9 (0.63)	22 (1.43)	22 (1.46)	12 (0.79)	0 (0.00)	0 (0.00)	36 (2.43)
China*	187 (0.37)	324 (0.80)	887 (2.00)	366 (0.79)	13 (0.03)	49 (0.09)	277 (0.65)
India*	34 (0.19)	170 (1.12)	268 (1.63)	106 (0.66)	11 (0.06)	27 (0.15)	148 (0.97)
Israel	283 (1.41)	287 (1.52)	588 (3.01)	282 (1.44)	28 (0.14)	14 (0.07)	943 (4.87)
Japan*	145 (0.44)	162 (0.67)	457 (1.61)	193 (0.67)	8 (0.02)	44 (0.13)	146 (0.54)
Kuwait*	18 (0.65)	31 (0.99)	35 (1.22)	21 (0.71)	0 (0.00)	0 (0.00)	108 (3.72)
Philippines*	51 (0.25)	282 (1.49)	252 (1.27)	186 (0.94)	9 (0.04)	14 (0.07)	109 (0.56)
Republic of Korea*	356 (0.51)	501 (0.95)	1,126 (1.88)	556 (0.93)	31 (0.05)	140 (0.19)	241 (0.44)
Thailand*	47 (0.26)	102 (0.69)	207 (1.26)	98 (0.59)	21 (0.12)	26 (0.14)	81 (0.51)
Turkey*	246 (1.29)	196 (1.24)	525 (2.90)	174 (0.96)	11 (0.06)	26 (0.13)	349 (1.98)
Europe							
Austria	191 (0.75)	243 (1.28)	758 (3.30)	259 (1.14)	28 (0.10)	16 (0.06)	648 (3.17)
Belarus	230 (0.75)	272 (1.04)	811 (2.86)	320 (1.12)	60 (0.20)	26 (0.08)	1,115 (4.08)
Bulgaria	263 (1.09)	213 (1.13)	704 (3.22)	218 (0.99)	22 (0.10)	22 (0.09)	574 (2.69)
Croatia	139 (1.06)	188 (1.75)	547 (4.57)	130 (1.12)	18 (0.14)	13 (0.09)	367 (3.25)
Cyprus	37 (1.63)	36 (1.73)	50 (2.35)	29 (1.29)	3 (0.13)	3 (0.14)	116 (5.49)
Czech Republic	299 (0.90)	271 (1.01)	899 (2.93)	311 (1.01)	44 (0.13)	31 (0.09)	923 (3.15)
Denmark	123 (0.76)	138 (1.13)	391 (2.62)	224 (1.57)	53 (0.33)	13 (0.08)	458 (3.44)
Estonia	32 (0.78)	36 (1.08)	117 (3.10)	32 (0.85)	6 (0.14)	2 (0.05)	152 (4.22)
France*	49 (0.24)	209 (1.30)	532 (2.92)	245 (1.42)	36 (0.18)	8 (0.04)	705 (4.20)
Germany*	91 (1.07)	72 (1.16)	209 (2.68)	83 (1.11)	3 (0.04)	9 (0.09)	274 (3.82)
Iceland	11 (1.22)	15 (1.93)	20 (2.22)	11 (1.32)	1 (0.10)	2 (0.23)	36 (4.42)
Ireland	118 (0.85)	115 (1.01)	426 (3.36)	116 (0.90)	19 (0.14)	11 (0.08)	421 (3.50)
Italy*	225 (2.19)	96 (1.35)	264 (2.99)	101 (1.17)	21 (0.20)	8 (0.08)	402 (5.22)
Lithuania	87 (0.86)	93 (1.05)	319 (3.32)	81 (0.85)	8 (0.08)	5 (0.04)	300 (3.33)
Malta	16 (1.34)	11 (1.08)	28 (2.49)	14 (1.25)	1 (0.10)	2 (0.21)	51 (4.74)
Netherlands	599 (1.17)	442 (1.18)	1,380 (3.00)	533 (1.22)	85 (0.18)	62 (0.12)	1,645 (4.05)
Norway	113 (0.79)	134 (1.18)	507 (3.93)	138 (1.08)	23 (0.17)	13 (0.08)	487 (4.03)
Poland*	32 (0.81)	27 (0.76)	143 (3.88)	33 (0.90)	3 (0.09)	5 (0.13)	114 (3.12)
Slovenia	36 (0.54)	50 (0.97)	145 (2.59)	63 (1.10)	6 (0.09)	5 (0.07)	180 (3.32)
Spain*	253 (1.67)	122 (1.17)	335 (2.53)	197 (1.59)	11 (0.06)	11 (0.07)	566 (4.83)
Switzerland*	49 (0.71)	65 (1.16)	190 (2.88)	75 (1.17)	4 (0.05)	5 (0.07)	279 (4.66)
United Kingdom*	589 (0.33)	1,488 (1.08)	4,543 (2.86)	1,726 (1.11)	247 (0.15)	96 (0.05)	5,569 (3.78)
Oceania							
Australia	187 (0.30)	630 (1.22)	1,784 (3.03)	732 (1.27)	148 (0.24)	57 (0.09)	1,945 (3.59)
New Zealand	60 (0.48)	139 (1.37)	346 (3.02)	137 (1.20)	22 (0.19)	7 (0.06)	305 (2.86)

Supplementary Table 4: Number of cases and truncated age-standardized rate (ASR) per 100,000 person-years for 15-39 year old females during the period of 1998-2012 for cancers of the bladder, bone, brain (central nervous system), connective and soft tissue, corpus uteri, eye, gallbladder and extrahepatic ducts, Hodgkin lymphoma, Kaposi sarcoma, larynx, leukaemia, lip (oral cavity and pharynx), liver and intrahepatic bile ducts, lung (incl. trachea), melanoma of skin, multiple myeloma and immunoproliferative diseases, Non-Hodgkin lymphoma, oesophagus, ovary, pancreas, and stomach.

Country	Bladder	Bone	Brain, central nervous system	Connective and soft tissue	Corpus uteri	Eye	Gallbladder and extrahepatic ducts
	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)	No. of Cases (ASR per 100,000)
Africa							
Uganda*	10 (0.14)	62 (0.78)	22 (0.32)	84 (1.29)	20 (0.40)	150 (2.71)	1 (0.02)
South America							
Brazil*	8 (0.18)	39 (0.91)	120 (2.66)	42 (0.95)	34 (0.73)	13 (0.3)	11 (0.24)
Chile*	1 (0.08)	15 (1.38)	16 (1.44)	9 (0.87)	9 (0.79)	0 (0.00)	12 (1.00)
Colombia*	12 (0.16)	66 (0.98)	124 (1.75)	94 (1.35)	31 (0.42)	8 (0.11)	14 (0.19)
Ecuador*	15 (0.27)	40 (0.80)	110 (2.04)	88 (1.65)	32 (0.60)	13 (0.24)	15 (0.28)
North America							
Canada*	284 (0.38)	523 (0.85)	1,651 (2.44)	837 (1.25)	1,125 (1.39)	110 (0.15)	67 (0.08)
United States of America*	3,093 (0.37)	5,750 (0.81)	19,151 (2.53)	8,945 (1.18)	19,479 (2.22)	1,132 (0.14)	803 (0.09)
USA-American, Indian, Alaskan Native*	18 (0.18)	52 (0.54)	119 (1.22)	57 (0.57)	214 (2.00)	2 (0.02)	9 (0.08)
USA-Asian-Pacific Islander*	69 (0.13)	224 (0.58)	676 (1.53)	336 (0.75)	981 (1.82)	28 (0.06)	64 (0.12)
USA-Black*	199 (0.16)	768 (0.68)	1,836 (1.58)	1,548 (1.31)	2,205 (1.72)	53 (0.04)	148 (0.11)
USA-White*	2,735 (0.42)	4,650 (0.85)	16,363 (2.79)	6,879 (1.17)	15,847 (2.31)	1,032 (0.17)	577 (0.08)
Asia							
Bahrain*	3 (0.21)	7 (0.46)	15 (1.00)	7 (0.50)	12 (0.81)	1 (0.07)	1 (0.07)
China*	85 (0.15)	248 (0.58)	758 (1.57)	352 (0.74)	766 (1.32)	25 (0.05)	70 (0.12)
India*	9 (0.05)	130 (0.87)	196 (1.22)	94 (0.58)	41 (0.24)	7 (0.04)	35 (0.20)
Israel	76 (0.39)	161 (0.87)	420 (2.19)	235 (1.23)	215 (1.06)	29 (0.15)	9 (0.04)
Japan*	61 (0.18)	95 (0.38)	297 (1.05)	152 (0.54)	503 (1.43)	4 (0.01)	40 (0.12)
Kuwait*	1 (0.03)	22 (0.72)	31 (1.03)	20 (0.66)	11 (0.37)	0 (0.00)	1 (0.03)
Philippines*	24 (0.11)	186 (0.90)	188 (0.89)	176 (0.83)	338 (1.64)	3 (0.01)	23 (0.11)
Republic of Korea*	108 (0.16)	348 (0.66)	827 (1.41)	418 (0.73)	873 (1.28)	26 (0.04)	160 (0.23)
Thailand*	16 (0.09)	65 (0.43)	204 (1.21)	93 (0.55)	105 (0.54)	15 (0.08)	29 (0.15)
Turkey*	72 (0.39)	129 (0.81)	408 (2.30)	163 (0.94)	157 (0.80)	11 (0.06)	23 (0.12)
Europe							
Austria	92 (0.37)	179 (0.92)	574 (2.53)	203 (0.93)	215 (0.78)	28 (0.11)	17 (0.06)
Belarus	74 (0.25)	172 (0.66)	660 (2.31)	290 (1.03)	492 (1.52)	71 (0.23)	10 (0.03)
Bulgaria	104 (0.46)	128 (0.71)	487 (2.29)	184 (0.87)	291 (1.21)	27 (0.13)	15 (0.06)
Croatia	63 (0.49)	130 (1.30)	454 (3.95)	116 (0.99)	124 (0.91)	22 (0.18)	22 (0.17)
Cyprus	15 (0.67)	18 (0.88)	28 (1.18)	36 (1.55)	19 (0.72)	3 (0.11)	0 (0.00)
Czech Republic	114 (0.36)	154 (0.59)	705 (2.37)	267 (0.92)	354 (1.06)	41 (0.13)	29 (0.09)
Denmark	41 (0.26)	103 (0.82)	333 (2.42)	271 (1.94)	87 (0.52)	47 (0.31)	12 (0.07)
Estonia	9 (0.23)	25 (0.73)	88 (2.44)	37 (0.98)	53 (1.25)	2 (0.05)	2 (0.05)
France*	20 (0.10)	159 (0.97)	392 (2.14)	186 (1.05)	90 (0.43)	24 (0.12)	9 (0.04)
Germany*	43 (0.50)	66 (1.09)	184 (2.49)	90 (1.21)	55 (0.59)	7 (0.09)	8 (0.08)
Iceland	5 (0.54)	4 (0.52)	17 (1.98)	8 (0.93)	7 (0.72)	1 (0.15)	0 (0.00)
Ireland	53 (0.39)	72 (0.62)	286 (2.24)	105 (0.85)	84 (0.58)	27 (0.20)	10 (0.08)
Italy*	93 (0.96)	65 (0.86)	197 (2.25)	78 (0.93)	102 (0.92)	15 (0.17)	11 (0.10)
Lithuania	37 (0.35)	64 (0.70)	261 (2.72)	96 (1.03)	126 (1.13)	16 (0.15)	4 (0.04)
Malta	3 (0.25)	2 (0.24)	17 (1.59)	11 (1.02)	11 (0.93)	1 (0.08)	0 (0.00)
Netherlands	266 (0.53)	324 (0.88)	964 (2.18)	471 (1.09)	210 (0.40)	96 (0.20)	43 (0.08)
Norway	34 (0.25)	92 (0.85)	342 (2.70)	120 (1.01)	138 (0.92)	34 (0.27)	16 (0.11)
Poland*	13 (0.36)	29 (0.87)	103 (2.95)	34 (0.97)	34 (0.92)	5 (0.13)	4 (0.12)
Slovenia	11 (0.17)	42 (0.88)	97 (1.70)	44 (0.79)	43 (0.68)	9 (0.15)	2 (0.03)
Spain*	84 (0.60)	80 (0.75)	254 (2.13)	127 (1.04)	134 (0.89)	18 (0.13)	10 (0.06)
Switzerland*	18 (0.24)	61 (1.05)	129 (1.96)	54 (0.86)	63 (0.77)	7 (0.11)	4 (0.05)
United Kingdom*	336 (0.19)	989 (0.72)	3,070 (1.94)	1,408 (0.91)	1,187 (0.64)	258 (0.15)	84 (0.05)
Oceania							
Australia	109 (0.17)	400 (0.77)	1,293 (2.23)	597 (1.06)	681 (1.01)	135 (0.22)	44 (0.07)
New Zealand	31 (0.24)	107 (1.02)	218 (1.90)	126 (1.13)	209 (1.54)	26 (0.21)	10 (0.07)

Country	Hodgkin lymphoma No. of Cases (ASR per 100,000)	Kaposi sarcoma No. of Cases (ASR per 100,000)	Larynx No. of Cases (ASR per 100,000)	Leukaemia No. of Cases (ASR per 100,000)	Lip, oral cavity and pharynx No. of Cases (ASR per 100,000)	Liver and intrahepatic bile ducts No. of Cases (ASR per 100,000)	Lung (incl. trachea) No. of Cases (ASR per 100,000)
Africa							
Uganda*	66 (1.00)	1,508 (24.17)	6 (0.09)	68 (0.99)	94 (1.44)	111 (1.81)	17 (0.29)
South America							
Brazil*	87 (1.99)	1 (0.02)	2 (0.04)	106 (2.37)	49 (1.09)	9 (0.19)	24 (0.51)
Chile*	12 (1.09)	1 (0.10)	0 (0.00)	27 (2.56)	4 (0.37)	2 (0.18)	1 (0.08)
Colombia*	91 (1.33)	8 (0.11)	3 (0.04)	206 (3.03)	54 (0.75)	17 (0.24)	33 (0.45)
Ecuador*	37 (0.71)	3 (0.06)	2 (0.04)	168 (3.23)	29 (0.53)	20 (0.37)	29 (0.53)
North America							
Canada*	2,402 (3.85)	14 (0.02)	36 (0.05)	1,438 (2.13)	821 (1.14)	131 (0.19)	712 (0.91)
United States of America*	27,342 (3.77)	364 (0.04)	782 (0.09)	18,388 (2.43)	8,633 (1.07)	1,931 (0.24)	9,982 (1.14)
USA-American, Indian, Alaskan Native*	90 (0.96)	1 (0.01)	5 (0.05)	154 (1.54)	51 (0.51)	17 (0.16)	42 (0.40)
USA-Asian-Pacific Islander*	646 (1.57)	4 (0.01)	14 (0.03)	860 (1.95)	735 (1.47)	200 (0.41)	464 (0.87)
USA-Black*	3,613 (3.17)	224 (0.18)	94 (0.07)	2,522 (2.14)	1,284 (1.06)	379 (0.31)	1,441 (1.11)
USA-White*	22,731 (4.07)	127 (0.02)	662 (0.10)	14,711 (2.52)	6,411 (1.02)	1,319 (0.22)	7,985 (1.17)
Asia							
Bahrain*	31 (2.06)	1 (0.07)	0 (0.00)	36 (2.43)	11 (0.74)	5 (0.33)	3 (0.21)
China*	281 (0.66)	0 (0.00)	8 (0.01)	937 (2.03)	1,625 (2.97)	423 (0.76)	705 (1.22)
India*	103 (0.66)	0 (0.00)	23 (0.13)	305 (1.93)	311 (1.83)	33 (0.20)	88 (0.52)
Israel	1,134 (6.05)	10 (0.05)	15 (0.08)	441 (2.29)	175 (0.91)	27 (0.14)	171 (0.85)
Japan*	115 (0.45)	0 (0.00)	4 (0.01)	567 (2.01)	300 (0.94)	91 (0.27)	314 (0.91)
Kuwait*	84 (2.74)	0 (0.00)	0 (0.00)	70 (2.29)	22 (0.73)	3 (0.11)	9 (0.31)
Philippines*	130 (0.59)	0 (0.00)	12 (0.06)	634 (3.01)	353 (1.67)	174 (0.83)	235 (1.12)
Republic of Korea*	219 (0.42)	5 (0.01)	16 (0.02)	1,327 (2.35)	524 (0.85)	558 (0.82)	717 (1.05)
Thailand*	60 (0.38)	3 (0.02)	6 (0.04)	403 (2.44)	254 (1.44)	210 (1.11)	237 (1.26)
Turkey*	258 (1.52)	5 (0.03)	12 (0.06)	408 (2.38)	172 (0.97)	42 (0.24)	129 (0.67)
Europe							
Austria	575 (2.97)	0 (0.00)	11 (0.05)	428 (1.97)	155 (0.62)	56 (0.22)	255 (0.96)
Belarus	1,394 (5.23)	0 (0.00)	22 (0.07)	583 (2.10)	156 (0.53)	59 (0.20)	181 (0.60)
Bulgaria	530 (2.70)	2 (0.01)	20 (0.08)	319 (1.62)	179 (0.80)	52 (0.23)	224 (0.95)
Croatia	460 (4.27)	0 (0.00)	7 (0.06)	247 (2.21)	94 (0.79)	42 (0.34)	129 (0.98)
Cyprus	140 (6.60)	0 (0.00)	2 (0.07)	61 (2.76)	19 (0.77)	4 (0.15)	21 (0.84)
Czech Republic	959 (3.52)	2 (0.01)	7 (0.02)	404 (1.42)	178 (0.58)	56 (0.18)	191 (0.59)
Denmark	395 (3.15)	7 (0.04)	18 (0.11)	265 (1.94)	134 (0.91)	28 (0.19)	165 (1.01)
Estonia	160 (4.66)	0 (0.00)	5 (0.14)	74 (2.12)	23 (0.57)	10 (0.25)	25 (0.61)
France*	685 (4.25)	7 (0.05)	15 (0.07)	383 (2.19)	177 (0.94)	54 (0.30)	225 (1.09)
Germany*	242 (3.74)	2 (0.02)	4 (0.04)	183 (2.50)	63 (0.75)	26 (0.31)	96 (1.03)
Iceland	30 (3.72)	0 (0.00)	0 (0.00)	16 (1.95)	7 (0.84)	1 (0.10)	10 (1.06)
Ireland	411 (3.54)	7 (0.05)	4 (0.03)	252 (2.06)	99 (0.74)	22 (0.18)	102 (0.75)
Italy*	438 (5.85)	6 (0.06)	6 (0.06)	196 (2.47)	99 (1.14)	15 (0.15)	94 (0.91)
Lithuania	392 (4.38)	0 (0.00)	3 (0.03)	200 (2.11)	47 (0.48)	19 (0.19)	73 (0.69)
Malta	31 (3.02)	0 (0.00)	2 (0.17)	17 (1.59)	9 (0.89)	3 (0.25)	7 (0.60)
Netherlands	1,390 (3.69)	34 (0.08)	17 (0.03)	872 (2.07)	416 (0.91)	69 (0.16)	650 (1.24)
Norway	411 (3.66)	4 (0.03)	10 (0.07)	230 (1.94)	109 (0.85)	26 (0.21)	125 (0.87)
Poland*	116 (3.45)	0 (0.00)	2 (0.06)	46 (1.32)	18 (0.51)	8 (0.22)	19 (0.52)
Slovenia	183 (3.75)	0 (0.00)	2 (0.04)	92 (1.76)	49 (0.85)	4 (0.07)	51 (0.79)
Spain*	463 (4.35)	13 (0.09)	9 (0.06)	260 (2.24)	92 (0.73)	31 (0.23)	159 (1.05)
Switzerland*	278 (4.96)	19 (0.28)	3 (0.03)	106 (1.60)	71 (1.00)	17 (0.26)	79 (1.07)
United Kingdom*	4,720 (3.30)	149 (0.09)	118 (0.07)	2,910 (1.93)	1,603 (0.96)	307 (0.19)	1,263 (0.70)
Oceania							
Australia	1,809 (3.47)	0 (0.00)	16 (0.02)	1,384 (2.45)	902 (1.46)	132 (0.22)	521 (0.80)
New Zealand	289 (2.71)	1 (0.01)	3 (0.02)	304 (2.7)	145 (1.20)	23 (0.19)	133 (1.01)

Country	Melanoma of skin No. of Cases (ASR per 100,000)	Multiple myeloma and immunoproliferative diseases No. of Cases (ASR per 100,000)	Non-Hodgkin lymphoma No. of Cases (ASR per 100,000)	Oesophagus No. of Cases (ASR per 100,000)	Ovary No. of Cases (ASR per 100,000)	Pancreas No. of Cases (ASR per 100,000)	Stomach No. of Cases (ASR per 100,000)
Africa							
Uganda*	17 (0.28)	4 (0.07)	196 (3.17)	18 (0.33)	122 (1.98)	8 (0.13)	21 (0.37)
South America							
Brazil*	89 (1.88)	3 (0.07)	83 (1.83)	3 (0.07)	106 (2.31)	13 (0.27)	69 (1.49)
Chile*	16 (1.49)	0 (0.00)	15 (1.34)	1 (0.10)	26 (2.33)	3 (0.25)	20 (1.73)
Colombia*	58 (0.82)	7 (0.10)	188 (2.66)	6 (0.08)	186 (2.64)	15 (0.21)	178 (2.44)
Ecuador*	34 (0.62)	5 (0.09)	166 (3.13)	2 (0.04)	137 (2.59)	9 (0.17)	163 (2.98)
North America							
Canada*	4,451 (6.13)	103 (0.12)	2,001 (2.80)	36 (0.05)	1,798 (2.52)	213 (0.29)	401 (0.52)
United States of America*	60,522 (7.57)	1,516 (0.17)	23,039 (2.89)	411 (0.05)	19,783 (2.48)	2,792 (0.33)	4,351 (0.51)
USA-American, Indian, Alaskan Native*	121 (1.22)	10 (0.10)	113 (1.11)	5 (0.05)	118 (1.17)	24 (0.23)	48 (0.45)
USA-Asian-Pacific Islander*	280 (0.57)	52 (0.10)	1,021 (2.19)	13 (0.02)	1,172 (2.45)	128 (0.25)	486 (0.92)
USA-Black*	330 (0.27)	515 (0.39)	4,273 (3.51)	72 (0.05)	2,427 (2.02)	530 (0.42)	832 (0.65)
USA-White*	56,306 (9.10)	927 (0.13)	17,273 (2.80)	319 (0.05)	15,899 (2.56)	2,093 (0.32)	2,963 (0.45)
Asia							
Bahrain*	1 (0.08)	2 (0.13)	30 (2.00)	1 (0.07)	29 (1.91)	3 (0.20)	13 (0.85)
China*	71 (0.14)	27 (0.05)	810 (1.68)	20 (0.04)	1,264 (2.59)	115 (0.21)	928 (1.65)
India*	17 (0.10)	17 (0.10)	193 (1.19)	97 (0.56)	318 (1.96)	24 (0.14)	246 (1.43)
Israel	953 (4.82)	27 (0.13)	865 (4.40)	11 (0.05)	372 (1.91)	53 (0.27)	184 (0.92)
Japan*	85 (0.27)	15 (0.04)	391 (1.26)	22 (0.06)	932 (3.02)	89 (0.26)	894 (2.57)
Kuwait*	3 (0.11)	2 (0.07)	76 (2.50)	1 (0.03)	40 (1.33)	5 (0.16)	17 (0.57)
Philippines*	18 (0.08)	11 (0.06)	314 (1.47)	16 (0.08)	940 (4.44)	40 (0.19)	97 (0.47)
Republic of Korea*	101 (0.16)	43 (0.07)	1,219 (2.02)	26 (0.04)	1,891 (3.15)	163 (0.25)	3,976 (5.71)
Thailand*	24 (0.14)	13 (0.07)	329 (1.93)	8 (0.04)	526 (3.05)	25 (0.13)	149 (0.81)
Turkey*	115 (0.62)	26 (0.14)	336 (1.90)	43 (0.22)	411 (2.23)	46 (0.25)	237 (1.24)
Europe							
Austria	1,726 (7.28)	33 (0.12)	529 (2.31)	15 (0.05)	627 (2.59)	82 (0.32)	216 (0.80)
Belarus	635 (2.12)	23 (0.07)	456 (1.59)	8 (0.03)	1,221 (4.13)	78 (0.25)	716 (2.29)
Bulgaria	359 (1.58)	15 (0.06)	307 (1.43)	11 (0.05)	1,029 (4.70)	77 (0.34)	255 (1.09)
Croatia	477 (3.81)	25 (0.19)	334 (2.84)	7 (0.05)	503 (4.03)	40 (0.31)	115 (0.89)
Cyprus	51 (2.08)	2 (0.09)	70 (2.96)	0 (0.00)	49 (2.10)	1 (0.04)	18 (0.71)
Czech Republic	1,811 (5.85)	23 (0.07)	498 (1.62)	9 (0.03)	986 (3.21)	92 (0.29)	242 (0.73)
Denmark	2,564 (17.36)	23 (0.13)	295 (2.05)	13 (0.08)	328 (2.25)	43 (0.26)	63 (0.39)
Estonia	195 (5.11)	3 (0.08)	81 (2.19)	1 (0.02)	117 (3.02)	9 (0.21)	70 (1.72)
France*	1,392 (7.35)	37 (0.18)	448 (2.48)	8 (0.04)	378 (2.06)	75 (0.40)	94 (0.45)
Germany*	667 (8.38)	16 (0.18)	193 (2.52)	5 (0.05)	209 (2.60)	14 (0.17)	58 (0.62)
Iceland	178 (20.92)	2 (0.21)	15 (1.73)	0 (0.00)	17 (1.99)	0 (0.00)	5 (0.57)
Ireland	1,076 (8.05)	18 (0.13)	306 (2.35)	17 (0.12)	314 (2.39)	21 (0.15)	70 (0.50)
Italy*	821 (8.72)	17 (0.16)	336 (3.64)	5 (0.05)	236 (2.44)	36 (0.41)	98 (0.93)
Lithuania	260 (2.58)	11 (0.10)	163 (1.69)	2 (0.02)	383 (3.73)	36 (0.34)	187 (1.77)
Malta	48 (4.33)	1 (0.10)	32 (3.06)	0 (0.00)	30 (2.69)	2 (0.21)	5 (0.42)
Netherlands	6,095 (13.03)	54 (0.10)	988 (2.23)	40 (0.08)	773 (1.72)	143 (0.29)	262 (0.53)
Norway	1,356 (10.10)	12 (0.08)	273 (2.16)	4 (0.03)	307 (2.41)	52 (0.36)	69 (0.49)
Poland*	84 (2.32)	2 (0.06)	42 (1.17)	1 (0.03)	98 (2.75)	6 (0.16)	36 (0.98)
Slovenia	497 (8.35)	5 (0.07)	122 (2.14)	2 (0.03)	156 (2.72)	16 (0.23)	64 (0.99)
Spain*	756 (5.65)	17 (0.11)	415 (3.16)	4 (0.02)	299 (2.26)	47 (0.33)	113 (0.79)
Switzerland*	960 (13.76)	18 (0.21)	166 (2.39)	4 (0.05)	110 (1.63)	18 (0.25)	50 (0.65)
United Kingdom*	13,376 (8.05)	264 (0.14)	3,564 (2.18)	176 (0.09)	3,783 (2.29)	404 (0.23)	681 (0.38)
Oceania							
Australia	10,688 (17.58)	76 (0.12)	1,600 (2.66)	38 (0.06)	1,263 (2.14)	164 (0.26)	310 (0.48)
New Zealand	1,935 (15.76)	11 (0.08)	288 (2.37)	9 (0.07)	289 (2.45)	36 (0.29)	124 (0.98)

*Sub-National

Supplementary Table 5: Annual average percentage change (AAPC) for cancers occurring among 15-39 year olds during the period of 1998-2012 for each country, for all cancers excluding non-melanoma skin cancer (NMSC) and each cancer site.[†]

Country	All cancers excl. NMSC	Bladder	Bone	Brain, central nervous system	Breast (female only)	Cervix uteri (female only)
Africa						
Uganda*	-0.26 (-1.18, 0.68)	-1.12 (-9.02, 7.47)	5.41 (2.49, 8.41)	3.62 (-1.64, 9.16)	1.01 (-3.44, 5.66)	0.29 (-2.27, 2.91)
South America						
Brazil*	-0.66 (-1.85, 0.55)	-5.24 (-11.39, 1.35)	-1.12 (-7.67, 5.88)	-3.22 (-6.08, -0.27)	0.19 (-1.67, 2.09)	-5.16 (-8.02, -2.22)
Chile*	0.58 (-1.18, 2.37)	1.06 (-7.89, 10.87)	2.80 (-5.28, 11.57)	5.11 (-2.00, 12.73)	-3.30 (-9.14, 2.92)	-0.91 (-4.83, 3.17)
Colombia*	0.19 (-0.56, 0.95)	-2.83 (-7.20, 1.74)	0.00 (-3.74, 3.89)	-0.76 (-2.98, 1.51)	1.42 (-0.10, 2.97)	-2.38 (-3.68, -1.06)
Ecuador*	3.34 (2.24, 4.45)	1.39 (-5.48, 8.77)	-0.31 (-5.30, 4.94)	5.46 (1.67, 9.39)	3.12 (-0.40, 6.77)	3.27 (-0.00, 6.64)
North America						
Canada*	1.27 (1.06, 1.49)	0.80 (-1.24, 2.88)	0.02 (-0.96, 1.01)	0.66 (-0.14, 1.47)	0.95 (0.50, 1.40)	-0.45 (-1.14, 0.25)
United States of America*	0.83 (0.64, 1.02)	-2.03 (-2.46, -1.59)	-0.42 (-1.05, 0.20)	-0.16 (-0.39, 0.07)	-0.05 (-0.17, 0.06)	-1.86 (-2.14, -1.58)
USA-American, Indian, Alaskan Native*	0.30 (-0.47, 1.08)	-3.91 (-9.38, 1.89)	-0.14 (-3.31, 3.13)	-1.19 (-4.12, 1.83)	-0.35 (-1.73, 1.04)	-2.49 (-4.98, 0.07)
USA-Asian-Pacific Islander*	1.36 (1.04, 1.67)	-1.15 (-2.72, 0.45)	1.50 (-0.76, 3.81)	0.58 (-0.66, 1.84)	0.47 (-0.03, 0.98)	-0.59 (-1.67, 0.50)
USA-Black*	0.38 (0.21, 0.55)	-1.68 (-3.09, -0.25)	-0.88 (-2.02, 0.26)	0.69 (0.08, 1.30)	-0.09 (-0.30, 0.13)	-2.45 (-3.11, -1.78)
USA-White*	0.98 (0.77, 1.19)	-1.94 (-2.42, -1.47)	-0.34 (-0.99, 0.31)	-0.12 (-0.38, 0.14)	-0.04 (-0.18, 0.11)	-1.63 (-1.95, -1.31)
Asia						
Bahrain*	-0.82 (-2.92, 1.33)	-2.79 (-7.08, 1.68)	-3.32 (-10.74, 4.72)	2.08 (-3.53, 8.01)	-2.58 (-5.27, 0.20)	-6.48 (-12.99, 0.51)
China*	1.51 (0.93, 2.09)	-5.63 (-9.37, -1.73)	-0.05 (-1.74, 1.67)	-0.73 (-1.69, 0.23)	1.42 (0.56, 2.29)	3.73 (2.26, 5.23)
India*	0.27 (-0.25, 0.80)	1.81 (-4.05, 8.02)	0.30 (-2.70, 3.39)	-1.27 (-3.22, 0.73)	-0.69 (-2.53, 1.20)	-7.97 (-9.95, -5.94)
Israel	0.00 (-0.35, 0.36)	-2.58 (-4.30, -0.82)	-1.08 (-3.49, 1.40)	0.97 (-0.35, 2.32)	0.31 (-0.64, 1.27)	0.21 (-1.32, 1.77)
Japan*	2.88 (2.27, 3.49)	3.52 (-0.00, 7.16)	2.12 (-0.75, 5.07)	2.34 (-0.19, 4.93)	2.17 (1.13, 3.23)	4.96 (3.52, 6.43)
Kuwait*	1.08 (0.09, 2.08)	-7.65 (-14.40, -0.38)	0.10 (-5.75, 6.32)	-2.09 (-8.19, 4.41)	-0.72 (-3.72, 2.38)	-1.59 (-7.77, 5.01)
Philippines*	-1.89 (-2.43, -1.34)	-0.13 (-4.89, 4.86)	-3.29 (-5.56, -0.98)	-3.79 (-6.07, -1.46)	-1.00 (-1.83, -0.17)	-3.51 (-4.52, -2.50)
Republic of Korea*	7.29 (6.60, 7.99)	1.02 (-1.77, 3.88)	0.19 (-1.69, 2.11)	1.62 (0.55, 2.71)	4.99 (4.16, 5.84)	-1.39 (-2.15, -0.63)
Thailand*	-0.11 (-0.51, 0.30)	-3.15 (-10.12, 4.35)	-2.18 (-6.56, 2.40)	2.20 (-0.10, 4.55)	2.15 (0.58, 3.74)	-3.70 (-5.31, -2.07)
Turkey*	3.61 (3.01, 4.21)	5.28 (2.72, 7.89)	1.56 (-1.96, 5.21)	1.33 (-0.59, 3.28)	2.16 (1.10, 3.23)	6.27 (3.65, 8.95)
Europe						
Austria	0.95 (0.67, 1.22)	-3.13 (-5.69, -0.51)	1.66 (-0.72, 4.11)	-0.30 (-1.72, 1.13)	0.96 (0.32, 1.61)	-3.27 (-4.47, -2.07)
Belarus	1.35 (0.90, 1.80)	3.67 (0.83, 6.58)	0.79 (-0.85, 2.46)	1.57 (0.57, 2.58)	0.95 (0.21, 1.71)	3.48 (2.19, 4.79)
Bulgaria	0.54 (0.06, 1.02)	5.02 (2.94, 7.14)	-0.34 (-4.24, 3.72)	-0.73 (-2.32, 0.88)	1.34 (0.30, 2.40)	-1.50 (-2.78, -0.21)
Croatia	0.61 (-1.04, 2.28)	5.39 (1.95, 8.96)	-4.36 (-8.70, 0.19)	-1.80 (-4.02, 0.48)	1.56 (-0.71, 3.88)	-1.54 (-3.32, 0.28)
Cyprus	2.44 (1.41, 3.48)	0.98 (-4.55, 6.83)	-3.25 (-11.05, 5.22)	-3.03 (-8.20, 2.42)	0.39 (-2.17, 3.01)	1.45 (-6.20, 9.72)
Czech Republic	0.94 (0.64, 1.24)	0.04 (-2.13, 2.26)	0.08 (-1.53, 3.55)	-1.43 (-2.88, 0.05)	3.98 (3.18, 4.79)	-1.68 (-2.52, -0.83)
Denmark	2.02 (1.39, 2.66)	-6.33 (-15.49, 3.82)	-2.98 (-5.98, 1.98)	-1.25 (-3.03, 0.55)	2.22 (1.19, 3.27)	0.78 (-0.62, 2.20)
Estonia	0.81 (-0.40, 2.05)	0.39 (-6.30, 7.55)	-2.26 (-8.00, 3.84)	-2.26 (-6.04, 1.67)	0.80 (-2.43, 4.12)	0.94 (-2.07, 4.04)
France*	1.28 (1.01, 1.54)	-2.15 (-7.30, 3.29)	0.26 (-2.53, 3.13)	0.33 (-0.77, 1.44)	1.54 (1.12, 1.96)	-3.83 (-5.80, -1.82)
Germany*	0.80 (0.16, 1.44)	1.68 (-3.73, 7.39)	0.67 (-3.36, 4.87)	-0.22 (-3.05, 2.68)	1.77 (0.90, 2.66)	-1.01 (-2.97, 1.00)
Iceland	-1.86 (-3.42, -0.28)	-3.12 (-11.00, 5.46)	-3.44 (-10.95, 4.71)	-4.25 (-9.63, 1.45)	0.69 (-4.36, 6.01)	0.14 (-3.84, 4.28)
Ireland	1.63 (1.16, 2.09)	1.27 (-1.70, 4.32)	-0.76 (-3.74, 2.32)	-0.77 (-2.61, 1.10)	0.70 (-0.07, 1.48)	4.68 (2.92, 6.48)
Italy*	1.91 (1.55, 2.27)	1.27 (-1.24, 3.84)	0.41 (-3.64, 4.63)	1.42 (-1.08, 3.98)	-0.01 (-1.21, 1.20)	-0.44 (-3.00, 2.19)
Lithuania	1.55 (0.97, 2.14)	-2.40 (-6.55, 1.94)	-1.31 (-5.24, 2.79)	0.83 (-0.64, 2.32)	2.04 (0.81, 3.28)	1.17 (-0.20, 2.56)
Malta	1.80 (-0.23, 3.87)	-8.01 (-14.52, -1.00)	-2.90 (-7.79, 2.25)	1.34 (-6.66, 10.03)	1.72 (-0.86, 4.36)	1.89 (-3.72, 7.82)
Netherlands	1.80 (1.56, 2.05)	1.34 (-0.57, 3.28)	1.78 (0.38, 3.19)	0.49 (-0.40, 1.38)	1.62 (1.13, 2.11)	1.16 (-0.03, 2.37)
Norway	1.28 (0.77, 1.78)	-0.01 (-3.68, 3.79)	2.21 (-0.64, 5.15)	-0.28 (-2.01, 1.48)	2.21 (0.65, 3.79)	1.74 (0.37, 3.14)
Poland*	0.13 (-1.04, 1.31)	-1.46 (-7.55, 5.03)	0.64 (-6.77, 8.64)	-2.26 (-5.29, 0.86)	-0.73 (-2.53, 1.11)	-7.35 (-11.39, -3.13)
Slovenia	0.55 (-0.12, 1.22)	4.15 (-3.69, 12.63)	-3.84 (-8.37, 0.91)	1.33 (-2.55, 5.36)	2.53 (1.00, 4.09)	-7.26 (-9.30, -5.17)
Spain*	-0.39 (-0.82, 0.04)	-1.88 (-5.27, 1.62)	0.26 (-1.89, 2.46)	-2.60 (-4.03, -1.14)	0.64 (-0.38, 1.67)	-4.79 (-7.34, -2.16)
Switzerland*	0.98 (0.39, 1.57)	6.56 (1.19, 12.22)	0.02 (-3.66, 3.85)	0.71 (-1.32, 2.78)	1.69 (0.51, 2.88)	-1.52 (-3.43, 0.42)
United Kingdom*	1.55 (1.29, 1.82)	-5.12 (-6.75, -3.45)	0.68 (-0.38, 1.75)	-0.06 (-0.64, 0.53)	0.09 (-0.19, 0.37)	3.03 (2.06, 4.02)
Oceania						
Australia	0.10 (-0.14, 0.33)	-5.36 (-7.66, -3.01)	-0.18 (-1.21, 0.86)	0.65 (-0.45, 1.76)	0.36 (0.01, 0.72)	0.90 (-0.32, 2.13)
New Zealand	-0.35 (-0.86, 0.16)	-10.90 (-15.79, -5.73)	-0.08 (-4.02, 4.03)	0.67 (-0.42, 1.78)	-0.45 (-1.35, 0.46)	-2.53 (-4.55, -0.46)
Country	Colon	Connective and soft tissue	Corpus uteri (female only)	Eye	Gallbladder and extrahepatic ducts	Hodgkin lymphoma

Africa							
	Uganda*	-0.25 (-5.29, 5.06)	-0.65 (-5.09, 3.99)	7.68 (0.04, 15.92)	-0.14 (-3.15, 2.97)	—	3.43 (-4.18, 11.65)
South America							
	Brazil*	-0.21 (-5.39, 5.24)	-5.48 (-9.19, -1.63)	1.06 (-5.77, 8.38)	-4.96 (-13.38, 4.27)	1.64 (-2.84, 6.33)	1.90 (-1.86, 5.80)
	Chile*	0.11 (-7.34, 8.15)	-1.37 (-6.40, 3.92)	4.34 (-12.05, 23.78)	—	-1.71 (-6.22, 3.01)	0.30 (-7.47, 8.72)
	Colombia*	1.61 (-2.75, 6.16)	0.86 (-4.12, 6.09)	2.52 (-3.57, 9.00)	5.99 (-0.05, 12.39)	-3.50 (-9.35, 2.73)	2.46 (-1.56, 6.64)
	Ecuador*	0.78 (-1.68, 3.31)	0.41 (-3.07, 4.01)	5.51 (-2.38, 14.04)	-1.41 (-6.98, 4.51)	1.43 (-4.97, 8.26)	0.24 (-5.13, 5.91)
North America							
	Canada*	4.15 (2.96, 5.35)	0.62 (-0.76, 2.02)	2.69 (1.43, 3.96)	2.16 (-0.45, 4.83)	8.14 (4.05, 12.38)	-0.31 (-0.88, 0.26)
	United States of America*	1.96 (1.63, 2.29)	0.20 (-0.31, 0.72)	3.12 (2.86, 3.39)	-0.69 (-1.60, 0.24)	3.42 (1.74, 5.13)	-0.29 (-0.54, -0.03)
	<i>USA-American, Indian, Alaskan Native*</i>	3.17 (-0.69, 7.17)	1.03 (-2.44, 4.62)	3.21 (-0.06, 6.59)	-2.27 (-6.21, 1.82)	-3.96 (-18.18, 12.75)	-0.08 (-3.88, 3.88)
	<i>USA-Asian-Pacific Islander*</i>	-0.12 (-1.68, 1.46)	0.47 (-1.30, 2.27)	2.89 (1.78, 4.02)	-2.20 (-9.45, 5.63)	0.89 (-3.71, 5.71)	3.54 (1.85, 5.26)
	<i>USA-Black*</i>	0.82 (-0.00, 1.64)	0.27 (-0.47, 1.02)	3.70 (2.32, 5.11)	-0.13 (-3.30, 3.15)	3.96 (1.07, 6.93)	1.28 (0.77, 1.79)
	<i>USA-White*</i>	2.37 (2.02, 2.72)	0.25 (-0.33, 0.84)	3.18 (2.86, 3.50)	-0.47 (-1.42, 0.50)	3.49 (1.88, 5.12)	-0.46 (-0.73, -0.19)
Asia							
	Bahrain*	2.15 (-4.17, 8.88)	-1.71 (-9.31, 6.52)	-2.68 (-10.96, 6.36)	—	—	-1.36 (-8.27, 6.06)
	China*	-1.00 (-2.79, 0.82)	-1.42 (-3.16, 0.36)	4.80 (2.72, 6.92)	-1.90 (-8.93, 5.66)	-3.31 (-8.46, 2.12)	2.29 (-0.11, 4.74)
	India*	4.07 (1.63, 6.56)	1.92 (-3.19, 7.29)	2.75 (-5.52, 11.73)	-1.99 (-7.58, 3.93)	6.05 (0.07, 12.38)	-0.21 (-3.34, 3.02)
	Israel	3.61 (1.29, 5.99)	-2.82 (-5.49, -0.06)	2.93 (-1.33, 7.38)	0.09 (-5.35, 5.85)	5.18 (1.00, 9.53)	-0.84 (-1.71, 0.03)
	Japan*	1.49 (0.34, 2.65)	4.56 (3.28, 5.86)	9.90 (6.58, 13.32)	3.06 (-3.35, 9.89)	-7.31 (-12.64, -1.65)	8.45 (6.13, 10.82)
	Kuwait*	0.99 (-3.77, 5.98)	4.84 (-3.98, 14.47)	-3.07 (-7.77, 1.87)	—	—	7.58 (4.47, 10.78)
	Philippines*	0.78 (-1.30, 2.91)	-2.23 (-4.36, -0.05)	-0.83 (-3.96, 2.41)	-1.56 (-6.24, 3.35)	-1.05 (-7.64, 6.01)	2.85 (0.33, 5.43)
	Republic of Korea*	3.39 (2.01, 4.79)	5.41 (3.94, 6.90)	9.09 (7.29, 10.92)	4.77 (-2.96, 13.10)	-3.16 (-6.12, -0.12)	9.59 (6.90, 12.35)
	Thailand*	1.23 (-1.14, 3.66)	-2.53 (-6.11, 1.20)	1.46 (-3.83, 7.04)	-1.60 (-9.30, 6.76)	-0.41 (-6.58, 6.17)	5.58 (0.21, 11.24)
	Turkey*	2.78 (-0.38, 6.03)	0.68 (-2.50, 3.95)	4.37 (1.54, 7.28)	0.08 (-11.74, 13.47)	2.95 (-3.40, 9.72)	3.25 (1.28, 5.26)
Europe							
	Austria	4.85 (2.34, 7.41)	0.86 (-1.01, 2.77)	4.81 (1.22, 8.52)	1.34 (-4.67, 7.72)	5.38 (-1.82, 13.10)	0.39 (-0.88, 1.67)
	Belarus	0.26 (-1.80, 2.37)	-0.56 (-3.08, 2.03)	2.88 (0.47, 5.35)	-4.75 (-10.06, 0.87)	-0.05 (-6.67, 7.04)	0.40 (-0.72, 1.53)
	Bulgaria	0.20 (-1.62, 2.06)	0.67 (-1.13, 2.50)	1.83 (-0.34, 4.05)	0.48 (-7.28, 8.90)	-1.91 (-7.65, 4.18)	-0.15 (-1.70, 1.43)
	Croatia	2.25 (-1.76, 6.42)	7.44 (0.92, 14.37)	3.29 (-1.77, 8.62)	-3.05 (-8.96, 3.25)	-6.78 (-12.48, -0.70)	0.13 (-2.42, 2.75)
	Cyprus	-0.68 (-5.85, 4.78)	6.36 (-0.44, 13.63)	1.01 (-6.56, 9.18)	-17.62 (-29.94, -3.14)	—	0.52 (-2.03, 3.14)
	Czech Republic	1.36 (0.15, 2.59)	-0.56 (-2.49, 1.40)	-0.97 (-3.16, 1.28)	-5.94 (-11.00, -0.58)	-5.04 (-10.58, 0.84)	0.86 (-0.45, 2.20)
	Denmark	3.33 (0.86, 5.86)	6.66 (3.78, 9.62)	-3.68 (-9.81, 2.87)	0.88 (-6.39, 8.71)	4.37 (-2.77, 12.02)	0.71 (-1.63, 3.09)
	Estonia	4.43 (-3.37, 12.85)	-0.59 (-6.46, 5.65)	1.28 (-4.47, 7.38)	-3.49 (-8.62, 1.92)	—	0.16 (-2.08, 2.45)
	France*	3.57 (1.62, 5.56)	1.03 (-2.08, 4.24)	-2.67 (-8.40, 3.41)	0.90 (-4.21, 6.29)	-2.56 (-8.26, 3.49)	2.77 (0.90, 4.67)
	Germany*	3.43 (-0.48, 7.49)	1.12 (-4.04, 6.57)	5.90 (-0.97, 13.25)	-3.65 (-15.25, 9.55)	5.68 (-0.35, 12.08)	0.58 (-2.75, 4.03)
	Iceland	0.18 (-5.51, 6.21)	-0.69 (-11.87, 11.91)	-0.20 (-0.73, 0.33)	—	—	-0.72 (-8.03, 7.18)
	Ireland	6.20 (2.92, 9.58)	-1.35 (-5.49, 2.97)	-2.11 (-6.79, 2.81)	-1.96 (-8.54, 5.09)	1.63 (-3.79, 7.34)	2.63 (0.95, 4.33)
	Italy*	2.05 (-1.27, 5.49)	4.30 (0.23, 8.54)	2.82 (-2.09, 7.97)	-3.12 (-10.10, 4.40)	1.35 (-2.48, 5.32)	2.00 (0.03, 4.00)
	Lithuania	0.34 (-3.22, 4.03)	0.07 (-3.94, 4.25)	-0.19 (-4.17, 3.96)	4.49 (-3.03, 12.59)	4.42 (0.75, 8.22)	-1.83 (-4.04, 0.44)
	Malta	7.17 (-0.72, 15.68)	-2.77 (-9.78, 4.79)	-4.37 (-16.44, 9.44)	—	—	1.78 (-1.73, 5.40)
	Netherlands	3.39 (2.28, 4.51)	-1.40 (-3.09, 0.31)	-0.51 (-4.06, 3.18)	-1.69 (-5.41, 2.17)	1.61 (-1.64, 4.96)	0.39 (-0.45, 1.24)
	Norway	5.51 (3.25, 7.82)	1.15 (-1.93, 4.34)	6.96 (-1.20, 15.79)	0.16 (-8.46, 9.59)	5.49 (-1.22, 12.66)	1.33 (-0.31, 3.00)
	Poland*	0.95 (-4.23, 6.42)	-3.82 (-8.83, 1.48)	0.94 (-4.43, 6.62)	-1.12 (-12.03, 11.13)	5.24 (2.35, 8.20)	-1.21 (-3.74, 1.39)
	Slovenia	0.59 (-4.08, 5.49)	-7.12 (-12.39, -1.52)	1.97 (-7.02, 11.83)	4.67 (-3.75, 13.82)	0.00 (-0.30, 0.30)	-0.34 (-2.44, 1.81)
	Spain*	0.07 (-1.89, 2.08)	-2.79 (-5.83, 0.36)	1.66 (-2.20, 5.67)	-4.75 (-12.79, 4.03)	-0.87 (-6.84, 5.49)	0.49 (-0.22, 1.20)
	Switzerland*	7.00 (1.87, 12.40)	0.29 (-3.40, 4.12)	-0.88 (-7.31, 5.99)	-1.37 (-8.23, 6.01)	0.95 (-4.36, 6.56)	0.76 (-1.43, 3.01)
	United Kingdom*	5.90 (4.34, 7.49)	0.58 (-0.49, 1.67)	5.42 (4.07, 6.79)	0.55 (-1.27, 2.40)	2.56 (0.06, 5.12)	0.99 (0.40, 1.58)
Oceania							
	Australia	3.84 (2.44, 5.27)	0.06 (-0.94, 1.08)	4.28 (2.67, 5.92)	-4.76 (-7.65, -1.77)	-3.07 (-6.71, 0.72)	1.62 (0.76, 2.48)
	New Zealand	3.61 (1.52, 5.75)	-0.87 (-3.23, 1.55)	11.05 (9.05, 13.09)	-6.55 (-12.81, 0.16)	3.79 (-3.31, 11.41)	0.93 (-1.32, 3.24)

Country	Kaposi sarcoma	Kidney and renal pelvis	Larynx	Leukaemia	Lip, oral cavity and pharynx	Liver and intrahepatic bile ducts
Africa						
Uganda*	-2.98 (-4.46, -1.48)	4.08 (-2.28, 10.87)	-7.79 (-16.11, 1.36)	11.52 (5.21, 18.20)	0.46 (-3.16, 4.21)	6.54 (2.94, 10.27)
South America						
Brazil*	1.39 (-7.39, 10.99)	3.30 (-4.27, 11.46)	-1.49 (-8.21, 5.73)	-6.89 (-11.82, -1.68)	1.17 (-3.35, 5.90)	1.01 (-6.75, 9.42)
Chile*	—	4.10 (-2.09, 10.67)	—	0.00 (-5.32, 5.62)	0.61 (-7.68, 9.66)	-1.20 (-7.46, 5.49)
Colombia*	-5.96 (-9.48, -2.31)	8.07 (-2.67, 17.59)	-4.56 (-11.94, 3.44)	0.10 (-2.33, 2.58)	1.27 (-2.17, 4.82)	-7.16 (-12.53, -1.45)
Ecuador*	8.05 (1.16, 15.40)	-1.98 (-9.34, 5.99)	—	0.94 (-1.25, 3.18)	7.07 (2.08, 12.30)	2.88 (-4.70, 11.07)
North America						
Canada*	-5.68 (-8.31, -2.97)	2.67 (2.12, 3.22)	-2.10 (-6.00, 1.97)	0.63 (-0.08, 1.36)	-0.10 (-1.10, 0.92)	0.14 (-2.68, 3.04)
United States of America*	-4.00 (-4.55, -3.46)	6.12 (5.47, 6.77)	-3.59 (-4.88, -2.29)	1.30 (1.10, 1.50)	0.48 (0.08, 0.88)	0.80 (0.02, 1.59)
USA-American, Indian, Alaskan Native*	-5.63 (-14.78, 4.50)	6.44 (2.16, 10.89)	-5.46 (-17.95, 8.93)	-0.92 (-2.63, 0.82)	-3.26 (-6.58, 0.18)	-6.50 (-12.17, -0.47)
USA-Asian-Pacific Islander*	-2.86 (-7.49, 2.00)	4.82 (2.81, 6.87)	4.25 (-1.90, 10.79)	0.84 (-0.20, 1.90)	-0.15 (-1.10, 0.80)	-3.24 (-4.62, -1.84)
USA-Black*	-2.20 (-3.06, -1.34)	3.85 (3.03, 4.69)	-4.65 (-8.03, -1.15)	1.08 (0.59, 1.57)	0.14 (-0.83, 1.11)	0.86 (-0.79, 2.54)
USA-White*	-5.64 (-6.53, -4.74)	6.78 (6.06, 7.50)	-3.39 (-4.77, -2.00)	1.42 (1.18, 1.66)	0.55 (0.06, 1.04)	1.21 (0.36, 2.08)
Asia						
Bahrain*	—	-2.58 (-11.37, 7.09)	—	-2.81 (-9.63, 4.52)	3.30 (-3.29, 10.34)	4.86 (-6.26, 17.30)
China*	—	7.89 (6.32, 9.49)	-8.74 (-13.81, -3.37)	-0.84 (-1.74, 0.07)	-2.45 (-2.95, -1.95)	-3.05 (-3.80, -2.29)
India*	—	-0.59 (-7.92, 7.34)	-3.48 (-9.73, 3.21)	1.62 (-0.17, 3.45)	5.08 (2.60, 7.62)	2.67 (-1.21, 6.69)
Israel	-4.41 (-11.34, 3.05)	3.85 (1.54, 6.21)	1.52 (-3.36, 6.65)	-1.95 (-2.87, -1.01)	-0.52 (-3.32, 2.36)	-2.16 (-7.72, 3.74)
Japan*	3.98 (-38.75, 76.54)	4.45 (1.13, 7.87)	-3.60 (-10.88, 4.28)	1.46 (-0.05, 2.99)	4.92 (3.23, 6.63)	-1.97 (-3.68, -0.23)
Kuwait*	—	-0.61 (-7.23, 6.47)	—	2.43 (-3.12, 8.29)	-5.33 (-10.74, 0.41)	-6.73 (-14.97, 2.30)
Philippines*	-2.83 (-3.66, -2.00)	-5.26 (-8.66, -1.73)	-2.45 (-8.70, 4.23)	-1.4 (-3.17, 0.40)	-2.30 (-3.92, -0.65)	-6.38 (-7.62, -5.12)
Republic of Korea*	10.92 (1.75, 20.91)	7.11 (5.89, 8.34)	-3.73 (-9.83, 2.79)	0.64 (-0.46, 1.77)	3.29 (2.12, 4.47)	-3.50 (-4.44, -2.56)
Thailand*	9.02 (1.61, 16.97)	2.68 (-1.87, 7.45)	-2.67 (-8.70, 3.74)	1.27 (-0.56, 3.14)	1.86 (-0.12, 3.88)	-0.14 (-1.41, 1.15)
Turkey*	4.02 (-2.59, 11.07)	5.37 (2.34, 8.49)	-8.66 (-16.27, -0.36)	2.34 (1.21, 3.47)	1.41 (-0.61, 3.48)	-2.23 (-5.43, 1.08)
Europe						
Austria	—	-0.09 (-1.58, 1.43)	-8.87 (-15.88, -1.28)	0.05 (-1.83, 1.96)	-1.22 (-3.85, 1.49)	-0.43 (-3.73, 2.99)
Belarus	—	3.25 (1.51, 5.02)	-2.62 (-7.78, 2.82)	-1.73 (-2.80, -0.64)	0.40 (-1.91, 2.75)	3.26 (-1.65, 8.41)
Bulgaria	3.21 (-6.14, 13.48)	1.01 (-0.67, 2.72)	-7.85 (-11.17, -4.39)	0.31 (-2.07, 2.76)	1.15 (-0.26, 2.58)	-0.66 (-4.65, 3.51)
Croatia	—	1.32 (-2.50, 5.29)	-6.51 (-11.54, -1.20)	-5.39 (-7.98, -2.73)	-3.01 (-6.50, 0.61)	-6.04 (-11.30, -0.46)
Cyprus	-7.76 (-11.02, -4.38)	0.88 (-4.77, 6.86)	-1.80 (-2.16, -1.43)	-0.80 (-4.05, 2.56)	-0.63 (-7.77, 7.07)	-0.87 (-9.20, 8.23)
Czech Republic	2.71 (-3.21, 8.98)	0.38 (-1.64, 2.44)	-0.33 (-7.58, 7.49)	2.26 (-0.04, 4.62)	-0.90 (-3.61, 1.89)	-1.09 (-5.66, 3.71)
Denmark	-6.94 (-15.45, 2.42)	5.81 (2.89, 8.82)	-2.27 (-9.61, 5.68)	-0.25 (-2.11, 1.64)	-1.38 (-3.87, 1.17)	-1.10 (-7.88, 6.18)
Estonia	—	3.96 (-3.41, 11.90)	0.45 (-11.00, 13.37)	0.64 (-3.99, 5.49)	3.20 (-2.12, 8.80)	-2.06 (-8.42, 4.74)
France*	-13.17 (-17.37, -8.76)	4.10 (1.58, 6.69)	-7.11 (-12.80, -1.05)	-1.38 (-2.96, 0.23)	-2.50 (-4.90, -0.04)	0.45 (-4.34, 5.49)
Germany*	0.30 (-6.45, 7.55)	-1.06 (-3.77, 1.73)	-1.74 (-9.23, 6.36)	0.17 (-2.80, 3.22)	0.29 (-5.01, 5.89)	8.02 (0.48, 16.13)
Iceland	—	-2.39 (-8.45, 4.06)	—	3.58 (-2.55, 10.09)	2.92 (-3.44, 9.70)	10.30 (1.15, 20.27)
Ireland	5.31 (-1.85, 13.00)	5.54 (1.44, 9.80)	-3.71 (-10.98, 4.15)	-0.29 (-2.12, 1.58)	3.79 (0.50, 7.17)	5.77 (-0.54, 12.50)
Italy*	-1.73 (-8.12, 5.11)	2.58 (-0.45, 5.71)	-1.68 (-9.37, 6.66)	-0.63 (-2.85, 1.64)	3.37 (0.18, 6.67)	1.32 (-3.86, 6.78)
Lithuania	—	3.51 (1.36, 5.70)	4.47 (-1.93, 11.29)	0.82 (-1.33, 3.02)	1.89 (-3.64, 7.72)	0.48 (-6.79, 8.31)
Malta	—	1.21 (-5.36, 8.24)	—	2.68 (-4.54, 10.45)	-0.02 (-5.99, 6.33)	—
Netherlands	0.30 (-2.13, 2.80)	4.19 (1.70, 6.75)	-8.67 (-13.62, -3.44)	0.53 (-0.56, 1.63)	1.72 (0.07, 3.40)	2.79 (0.44, 5.20)
Norway	4.56 (-4.20, 14.13)	7.36 (3.53, 11.32)	-3.74 (-9.46, 2.35)	1.67 (-1.16, 4.57)	1.86 (-2.16, 6.05)	0.26 (-5.63, 6.52)
Poland*	—	-2.45 (-8.22, 3.68)	-10.01 (-13.60, -6.26)	6.21 (-0.79, 13.70)	4.18 (-2.76, 11.60)	5.28 (-0.40, 11.28)
Slovenia	—	2.15 (-1.91, 6.37)	-8.82 (-13.42, -3.97)	-1.61 (-4.50, 1.37)	-0.29 (-5.07, 4.72)	-5.41 (-10.30, -0.25)
Spain*	-4.53 (-9.70, 0.93)	-0.15 (-2.67, 2.43)	-7.21 (-12.82, -1.23)	0.65 (-1.41, 2.76)	-2.41 (-5.40, 0.67)	-0.81 (-9.56, 8.80)
Switzerland*	1.92 (-4.85, 9.18)	4.61 (1.19, 8.15)	-2.96 (-9.09, 3.59)	0.67 (-1.89, 3.31)	3.25 (0.20, 6.39)	1.23 (-7.18, 10.40)
United Kingdom*	2.20 (-0.35, 4.81)	4.46 (3.51, 5.42)	1.66 (-1.25, 4.65)	0.29 (-0.35, 0.93)	2.68 (1.96, 3.40)	2.98 (0.70, 5.31)
Oceania						
Australia	-6.12 (-9.42, -2.70)	2.31 (1.24, 3.39)	-3.46 (-9.09, 2.51)	0.05 (-0.55, 0.67)	-1.36 (-2.45, -0.26)	0.76 (-2.68, 4.32)
New Zealand	1.51 (-5.85, 9.43)	0.51 (-2.55, 3.66)	3.85 (-2.76, 10.91)	0.35 (-1.59, 2.33)	0.15 (-1.92, 2.28)	-1.67 (-6.43, 3.33)

Country	Lung (incl. trachea)	Melanoma of skin	Multiple myeloma and immunoproliferative diseases	Non-Hodgkin lymphoma	Oesophagus
Africa					
Uganda*	-2.95 (-9.15, 3.68)	-1.41 (-9.17, 7.02)	-11.72 (-16.86, -6.26)	3.50 (-0.24, 7.38)	-2.52 (-7.66, 2.90)
South America					
Brazil*	4.02 (-4.48, 13.28)	-0.46 (-4.61, 3.87)	-4.26 (-10.25, 2.14)	4.01 (-2.33, 10.75)	-8.43 (-16.77, 0.74)
Chile*	—	-3.85 (-9.10, 1.70)	—	2.42 (-4.31, 9.63)	-1.30 (-6.70, 4.41)
Colombia*	2.82 (-3.72, 9.82)	-2.64 (-6.18, 1.04)	2.74 (-3.50, 9.39)	-0.68 (-2.99, 1.68)	0.44 (-5.58, 6.85)
Ecuador*	8.10 (-3.22, 20.74)	-4.30 (-9.59, 1.31)	-0.73 (-7.10, 6.08)	1.83 (-1.23, 4.99)	—
North America					
Canada*	-3.03 (-4.56, -1.48)	-0.49 (-1.13, 0.14)	-1.36 (-4.44, 1.83)	-1.29 (-1.64, -0.95)	-0.16 (-4.22, 4.07)
United States of America*	-2.72 (-3.11, -2.32)	0.13 (-0.92, 1.19)	1.62 (0.87, 2.39)	-0.42 (-0.64, -0.20)	0.07 (-1.00, 1.14)
USA-American, Indian, Alaskan Native*	-4.02 (-10.99, 3.50)	0.82 (-3.78, 5.64)	-4.29 (-10.92, 2.84)	-1.11 (-3.23, 1.05)	1.36 (-3.42, 6.37)
USA-Asian-Pacific Islander*	-1.15 (-2.69, 0.41)	-0.61 (-3.15, 1.99)	4.98 (-2.71, 13.27)	-0.14 (-1.16, 0.88)	-3.94 (-10.40, 2.99)
USA-Black*	-4.50 (-5.40, -3.59)	-2.43 (-4.47, -0.35)	1.72 (-0.23, 3.71)	-1.06 (-1.50, -0.60)	-4.33 (-7.07, -1.50)
USA-White*	-2.42 (-2.94, -1.89)	0.41 (-0.64, 1.47)	1.49 (0.78, 2.21)	-0.32 (-0.55, -0.09)	0.88 (-0.36, 2.13)
Asia					
Bahrain*	-3.17 (-4.12, -2.21)	—	—	1.69 (-2.10, 5.63)	-4.90 (-9.46, -0.11)
China*	-1.46 (-2.48, -0.44)	-1.00 (-5.52, 3.74)	-1.72 (-6.35, 3.15)	0.81 (-0.31, 1.95)	-3.27 (-7.34, 0.99)
India*	0.90 (-2.10, 3.98)	2.00 (-7.16, 12.05)	-0.37 (-8.41, 8.37)	-0.78 (-2.84, 1.32)	-1.05 (-4.09, 2.09)
Israel	-3.60 (-6.40, -0.72)	-2.33 (-3.41, -1.24)	0.94 (-5.93, 8.30)	-0.55 (-1.65, 0.56)	-5.83 (-11.16, -0.17)
Japan*	1.71 (0.72, 2.71)	-1.13 (-5.63, 3.60)	-2.36 (-10.18, 6.15)	3.05 (0.55, 5.61)	4.53 (-4.30, 14.17)
Kuwait*	-3.99 (-11.01, 3.57)	-4.60 (-5.75, -3.43)	-3.24 (-19.87, 16.85)	-1.42 (-4.86, 2.14)	1.30 (-3.94, 6.81)
Philippines*	-1.21 (-2.65, 0.24)	-1.26 (-8.22, 6.22)	1.29 (-5.76, 8.87)	-1.65 (-3.51, 0.24)	-2.46 (-10.45, 6.25)
Republic of Korea*	-1.42 (-2.63, -0.19)	1.75 (-1.97, 5.60)	1.78 (-1.14, 4.78)	4.02 (3.13, 4.93)	-3.80 (-11.42, 4.49)
Thailand*	0.87 (-1.04, 2.83)	3.44 (-4.43, 11.96)	-2.46 (-9.35, 4.96)	1.03 (-0.48, 2.57)	4.77 (-1.52, 11.46)
Turkey*	-4.60 (-6.13, -3.05)	5.69 (0.56, 11.09)	-3.74 (-7.67, 0.36)	1.13 (-0.39, 2.67)	5.62 (-1.98, 13.82)
Europe					
Austria	0.20 (-1.58, 2.01)	3.08 (1.59, 4.59)	2.03 (-4.28, 8.76)	0.02 (-1.98, 2.06)	0.90 (-7.67, 10.26)
Belarus	-1.23 (-2.99, 0.56)	3.01 (1.55, 4.49)	2.77 (-2.13, 7.92)	2.97 (1.43, 4.54)	5.59 (-2.74, 14.64)
Bulgaria	-2.69 (-4.52, -0.82)	2.37 (-1.01, 5.88)	1.45 (-6.52, 10.09)	3.58 (1.65, 5.54)	6.12 (-1.06, 13.82)
Croatia	-5.88 (-9.29, -2.34)	1.57 (-0.44, 3.62)	-0.75 (-9.92, 9.36)	-0.78 (-3.71, 2.24)	4.73 (-2.36, 12.33)
Cyprus	7.30 (-0.20, 15.37)	1.94 (-6.02, 10.58)	7.66 (-0.81, 16.86)	3.65 (-1.31, 8.85)	—
Czech Republic	-3.41 (-5.70, -1.06)	2.40 (1.63, 3.17)	2.67 (-2.46, 8.08)	3.17 (2.16, 4.19)	2.57 (-3.74, 9.29)
Denmark	-1.42 (-4.81, 2.09)	7.49 (6.10, 8.89)	0.99 (-6.06, 8.58)	0.65 (-0.87, 2.19)	-1.17 (-7.58, 5.68)
Estonia	-3.56 (-9.84, 3.17)	7.06 (2.51, 11.82)	0.93 (-3.11, 5.13)	5.12 (0.36, 10.11)	0.44 (-0.03, 0.92)
France*	0.08 (-2.02, 2.23)	3.43 (2.07, 4.81)	-0.52 (-5.32, 4.52)	-1.22 (-2.34, -0.09)	-0.24 (-7.86, 8.01)
Germany*	-0.44 (-5.37, 4.74)	-2.97 (-4.95, -0.95)	7.52 (-0.50, 16.18)	-1.25 (-3.27, 0.81)	-1.46 (-7.63, 5.12)
Iceland	-1.81 (-6.91, 3.57)	-6.72 (-11.18, -2.04)	-0.59 (-0.90, -0.27)	-3.55 (-9.32, 2.60)	—
Ireland	2.09 (-1.54, 5.85)	1.31 (0.42, 2.21)	-1.17 (-8.17, 6.36)	-0.21 (-2.07, 1.68)	-1.66 (-7.58, 4.64)
Italy*	-0.64 (-3.57, 2.37)	3.14 (1.42, 4.90)	-7.76 (-13.82, -1.27)	-0.96 (-2.76, 0.87)	-3.76 (-12.17, 5.45)
Lithuania	-2.08 (-5.93, 1.92)	1.48 (-0.67, 3.68)	0.79 (-6.63, 8.81)	3.26 (1.46, 5.10)	8.19 (1.51, 15.31)
Malta	-2.95 (-10.92, 5.73)	13.09 (4.36, 22.55)	—	6.59 (0.24, 13.34)	—
Netherlands	-0.18 (-1.24, 0.91)	2.39 (1.64, 3.15)	-2.63 (-5.88, 0.73)	2.04 (1.37, 2.73)	0.76 (-1.84, 3.43)
Norway	0.58 (-1.23, 2.42)	0.15 (-0.88, 1.19)	4.44 (-0.91, 10.07)	1.10 (-0.80, 3.02)	3.06 (-3.70, 10.29)
Poland*	-5.15 (-11.28, 1.40)	0.88 (-2.07, 3.93)	-0.86 (-4.25, 2.65)	4.27 (0.03, 8.70)	0.40 (-1.69, 2.54)
Slovenia	-2.43 (-7.03, 2.41)	5.79 (3.84, 7.77)	3.11 (-2.41, 8.93)	-0.63 (-3.03, 1.84)	-5.27 (-12.17, 2.18)
Spain*	-5.93 (-8.62, -3.16)	0.21 (-1.45, 1.90)	-0.65 (-6.77, 5.86)	-2.82 (-4.57, -1.04)	-6.00 (-13.96, 2.69)
Switzerland*	-0.84 (-4.98, 3.49)	-0.92 (-2.64, 0.84)	2.59 (-4.53, 10.24)	-0.09 (-2.62, 2.50)	5.91 (-0.62, 12.88)
United Kingdom*	1.30 (0.30, 2.31)	2.51 (1.58, 3.44)	3.93 (1.49, 6.43)	0.81 (0.32, 1.30)	-0.23 (-2.17, 1.75)
Oceania					
Australia	0.68 (-0.56, 1.93)	-2.82 (-3.36, -2.28)	1.11 (-3.14, 5.55)	0.34 (-0.60, 1.29)	-0.62 (-5.10, 4.07)
New Zealand	0.11 (-2.68, 2.98)	-2.50 (-3.63, -1.35)	1.92 (-4.74, 9.05)	-0.02 (-1.96, 1.95)	2.37 (-5.35, 10.73)

Country	Ovary (female only)	Pancreas	Prostate (male only)	Rectum and anus	Stomach	Testis (male only)	Thyroid
Africa							
Uganda*	2.56 (-4.78, 10.46)	2.11 (-7.84, 13.14)	0.54 (-13.01, 16.19)	2.07 (-3.97, 8.50)	-0.64 (-9.16, 8.66)	-0.13 (-5.88, 5.96)	-1.21 (-7.89, 5.97)
South America							
Brazil*	0.60 (-4.47, 5.93)	4.07 (-4.26, 13.12)	0.56 (-7.12, 8.88)	-1.43 (-6.43, 3.83)	-1.71 (-6.23, 3.03)	-0.59 (-5.86, 4.96)	4.37 (2.30, 6.48)
Chile*	-4.21 (-10.90, 2.98)	—	—	-1.89 (-6.63, 3.09)	0.30 (-5.78, 6.78)	3.13 (-1.37, 7.82)	11.29 (4.30, 18.75)
Colombia*	-2.64 (-6.66, 1.55)	-2.56 (-8.71, 4.02)	-2.90 (-12.17, 7.34)	1.98 (-1.81, 5.92)	-0.57 (-2.99, 1.91)	2.67 (0.23, 5.16)	4.85 (3.03, 6.71)
Ecuador*	0.33 (-5.13, 6.10)	-2.07 (-10.52, 7.18)	-1.57 (-5.32, 2.34)	-1.05 (-6.45, 4.66)	2.45 (0.07, 4.89)	3.24 (1.30, 5.22)	9.34 (6.88, 11.85)
North America							
Canada*	0.96 (-0.31, 2.25)	3.53 (1.69, 5.41)	2.05 (-5.22, 9.87)	4.35 (2.75, 5.97)	1.51 (-0.18, 3.23)	2.00 (1.37, 2.62)	5.39 (4.41, 6.38)
United States of America*	-0.15 (-0.56, 0.27)	2.41 (1.85, 2.97)	2.67 (0.40, 4.99)	1.90 (1.53, 2.26)	1.37 (0.92, 1.83)	0.62 (0.37, 0.88)	5.27 (4.96, 5.58)
USA-American, Indian, Alaskan Native*	-0.25 (-4.96, 4.69)	1.11 (-5.15, 7.79)	—	1.74 (-1.63, 5.23)	-2.17 (-5.70, 1.50)	3.85 (0.31, 7.52)	3.29 (1.54, 5.08)
USA-Asian-Pacific Islander*	-0.24 (-1.71, 1.25)	1.00 (-2.68, 4.81)	1.48 (-8.04, 12.00)	-0.25 (-1.74, 1.27)	-0.85 (-2.25, 0.56)	2.14 (0.69, 3.62)	5.62 (5.11, 6.14)
USA-Black*	0.42 (-0.96, 1.83)	1.72 (0.30, 3.15)	5.72 (3.48, 8.01)	1.95 (1.20, 2.71)	-0.62 (-1.50, 0.26)	0.78 (-0.22, 1.79)	5.21 (4.55, 5.87)
USA-White*	-0.12 (-0.51, 0.28)	2.67 (2.20, 3.13)	1.59 (-0.73, 3.96)	1.98 (1.59, 2.38)	1.96 (1.34, 2.58)	0.81 (0.53, 1.09)	5.37 (5.04, 5.71)
Asia							
Bahrain*	1.22 (-4.79, 7.62)	-3.88 (-19.19, 14.34)	—	2.02 (-4.10, 8.53)	2.86 (-4.54, 10.82)	-2.50 (-11.94, 7.95)	-5.14 (-11.40, 1.56)
China*	3.89 (-0.17, 8.12)	-2.89 (-5.84, 0.16)	2.94 (-2.48, 8.67)	0.74 (-1.29, 2.82)	-2.38 (-3.64, -1.10)	4.19 (2.77, 5.63)	11.02 (9.00, 13.08)
India*	2.57 (-0.08, 5.30)	0.88 (-4.95, 7.07)	2.40 (-4.60, 9.91)	-1.51 (-4.07, 1.12)	-0.47 (-2.56, 1.67)	1.71 (-2.81, 6.45)	4.18 (0.92, 7.54)
Israel	-1.73 (-3.40, -0.03)	-0.77 (-4.84, 3.48)	-2.13 (-9.38, 5.72)	0.01 (-1.96, 2.02)	-2.41 (-5.84, 1.15)	1.16 (-0.39, 2.74)	3.49 (2.46, 4.52)
Japan*	4.22 (2.36, 6.11)	4.10 (0.89, 7.40)	1.80 (-4.84, 8.90)	3.01 (0.97, 5.09)	-4.42 (-5.59, -3.24)	6.19 (4.13, 8.29)	7.60 (5.64, 9.60)
Kuwait*	-4.66 (-10.23, 1.26)	-0.37 (-6.01, 5.61)	—	0.34 (-6.27, 7.42)	-6.49 (-14.06, 1.75)	10.47 (2.81, 18.70)	4.73 (2.44, 7.07)
Philippines*	0.10 (-1.75, 1.98)	-4.70 (-11.22, 2.31)	-6.89 (-12.41, -1.01)	-0.98 (-3.85, 1.97)	-4.93 (-8.15, -1.59)	-2.35 (-5.45, 0.85)	-1.51 (-3.05, 0.05)
Republic of Korea*	1.88 (0.70, 3.08)	0.44 (-2.20, 3.15)	2.92 (-3.36, 9.62)	6.96 (5.83, 8.11)	-2.40 (-3.07, -1.73)	6.90 (5.73, 8.08)	22.09 (20.50, 23.70)
Thailand*	-1.02 (-3.04, 1.04)	7.33 (1.15, 13.87)	—	2.83 (-0.61, 6.39)	-0.32 (-3.41, 2.87)	1.76 (-1.64, 5.28)	1.12 (-0.38, 2.65)
Turkey*	2.80 (0.76, 4.89)	3.58 (-3.00, 10.60)	-1.66 (-6.05, 2.94)	0.32 (-2.78, 3.53)	1.51 (-1.31, 4.42)	5.43 (3.74, 7.16)	14.62 (12.07, 17.22)
Europe							
Austria	-5.68 (-7.51, -3.81)	3.51 (-0.89, 8.10)	-1.48 (-10.23, 8.12)	-0.10 (-2.53, 2.38)	-3.82 (-5.91, -1.69)	-0.57 (-1.32, 0.19)	7.59 (6.22, 8.99)
Belarus	4.29 (2.44, 6.17)	-1.53 (-4.59, 1.63)	4.05 (0.54, 7.68)	0.83 (-1.76, 3.49)	-0.77 (-2.10, 0.58)	2.44 (1.10, 3.80)	1.73 (0.57, 2.91)
Bulgaria	-0.48 (-2.36, 1.43)	-0.94 (-3.70, 1.90)	0.14 (-4.86, 5.40)	-0.46 (-2.44, 1.57)	-1.92 (-4.42, 0.66)	2.71 (1.07, 4.39)	5.34 (3.65, 7.06)
Croatia	-1.39 (-4.57, 1.89)	-4.01 (-9.86, 2.21)	-2.93 (-16.78, 13.21)	0.59 (-2.31, 3.59)	-4.84 (-7.53, -2.08)	4.33 (2.20, 6.49)	6.37 (4.88, 7.88)
Cyprus	-0.53 (-6.44, 5.76)	1.65 (-4.98, 8.75)	—	0.48 (-5.83, 7.21)	3.38 (-5.20, 12.73)	3.19 (0.28, 6.18)	8.35 (6.14, 10.62)
Czech Republic	-6.29 (-8.68, -3.84)	2.91 (0.07, 5.83)	3.10 (-3.31, 9.93)	-0.60 (-2.00, 0.83)	-2.55 (-5.11, 0.09)	0.82 (0.12, 1.51)	7.44 (6.07, 8.83)
Denmark	-3.04 (-5.76, -0.24)	-1.88 (-5.96, 2.37)	2.37 (-16.99, 26.23)	1.04 (-2.47, 4.68)	-3.39 (-7.26, 0.65)	0.19 (-0.56, 0.94)	3.70 (1.76, 5.67)
Estonia	-1.49 (-6.51, 3.80)	-3.08 (-8.86, 3.08)	—	-0.33 (-7.56, 7.46)	-3.86 (-9.46, 2.09)	2.27 (-2.49, 7.27)	-0.32 (-4.54, 4.09)
France*	1.75 (-0.59, 4.14)	3.14 (-0.14, 6.53)	-0.44 (-8.64, 8.50)	0.62 (-1.60, 2.89)	-1.39 (-4.23, 1.53)	2.68 (1.64, 3.73)	3.62 (2.82, 4.43)
Germany*	-3.00 (-7.02, 1.20)	6.78 (0.62, 13.32)	0.27 (-7.79, 9.04)	1.19 (-2.09, 4.58)	2.26 (-3.34, 8.18)	1.16 (-0.39, 2.72)	5.41 (1.77, 9.17)
Iceland	-5.18 (-11.52, 1.61)	—	—	0.74 (-6.40, 8.42)	-4.85 (-9.60, 0.15)	2.67 (-3.93, 9.72)	-0.55 (-6.26, 5.51)
Ireland	-1.70 (-4.53, 1.21)	-1.78 (-5.17, 1.73)	1.26 (-3.30, 6.05)	3.07 (0.20, 6.03)	-1.74 (-5.95, 2.67)	1.29 (0.29, 2.30)	10.71 (8.41, 13.06)
Italy*	-0.26 (-3.51, 3.09)	3.89 (-0.21, 8.17)	—	-1.75 (-6.32, 3.04)	-6.29 (-8.47, -4.06)	3.49 (2.12, 4.89)	6.86 (5.28, 8.46)
Lithuania	0.07 (-2.39, 2.59)	-1.02 (-8.90, 7.54)	-3.40 (-22.36, 20.21)	2.90 (-1.30, 7.28)	-0.09 (-3.96, 3.93)	2.99 (0.82, 5.20)	8.68 (5.38, 12.07)
Malta	-3.06 (-9.87, 4.25)	1.67 (1.21, 2.13)	—	7.72 (3.51, 12.11)	3.17 (-4.49, 11.43)	4.03 (-0.40, 8.65)	0.77 (-3.41, 5.13)
Netherlands	-0.86 (-2.51, 0.83)	4.40 (0.04, 8.96)	0.39 (-8.11, 9.67)	3.04 (1.84, 4.24)	1.65 (-0.13, 3.46)	3.39 (2.91, 3.87)	3.80 (2.96, 4.64)
Norway	-3.07 (-6.48, 0.48)	7.06 (-0.44, 15.13)	-4.48 (-11.47, 3.06)	4.72 (2.27, 7.24)	-1.05 (-4.57, 2.61)	0.61 (-0.27, 1.50)	3.37 (1.74, 5.02)
Poland*	-1.02 (-6.72, 5.01)	2.93 (-1.65, 7.73)	—	-4.44 (-8.48, -0.23)	4.87 (-2.39, 12.68)	5.74 (2.68, 8.88)	7.33 (3.60, 11.2)
Slovenia	1.20 (-2.15, 4.67)	-1.15 (-7.43, 5.55)	—	1.89 (-3.39, 7.44)	0.91 (-3.43, 5.45)	0.70 (-0.71, 2.13)	6.86 (4.48, 9.30)
Spain*	-1.06 (-3.62, 1.56)	0.44 (-4.00, 5.09)	0.70 (-1.58, 3.04)	-0.10 (-2.94, 2.82)	-2.52 (-4.31, -0.69)	3.63 (1.98, 5.30)	2.90 (1.36, 4.46)
Switzerland*	0.69 (-4.77, 6.46)	5.44 (-1.75, 13.15)	-2.64 (-15.00, 11.52)	-1.99 (-4.81, 0.91)	-4.29 (-10.91, 2.83)	-0.01 (-1.17, 1.17)	4.85 (2.65, 7.10)
United Kingdom*	0.77 (-0.20, 1.75)	3.05 (1.58, 4.55)	2.39 (-2.28, 7.28)	4.02 (2.97, 5.08)	0.81 (-0.53, 2.16)	0.45 (-0.03, 0.93)	6.25 (5.82, 6.67)
Oceania							
Australia	0.75 (-0.51, 2.01)	4.18 (0.86, 7.61)	17.33 (12.58, 22.28)	3.71 (2.61, 4.82)	-1.15 (-2.98, 0.71)	1.20 (0.58, 1.82)	3.35 (2.82, 3.88)
New Zealand	0.03 (-1.97, 2.07)	4.10 (-2.72, 11.41)	-1.21 (-8.45, 6.60)	3.98 (1.21, 6.82)	1.39 (-1.88, 4.76)	-0.20 (-1.28, 0.89)	1.90 (-0.44, 4.29)

*Sub-National

†An em-dash (—) denotes that too few cancer cases were observed to calculate the AAPC

Supplementary Table 6: Joinpoints for each country, for all 3 sex groups (M = males only, F = females only, and B = both males and females combined).[†]

Cancer	Sex	Continent	Country	Joinpoint 1		Joinpoint 2		Joinpoint 3	
				Period	APC (95% CI)	Period	APC (95% CI)	Period	APC (95% CI)
All cancers excluding non-melanoma skin cancer	B	North America	United States of America	1998 - 2000	2.44 (0.41, 4.52)	2000 - 2009	0.94 (0.73, 1.15)	2009 - 2012	-0.63 (-1.58, 0.34)
	B	North America	USA-Black	1998 - 2004	0.92 (0.32, 1.52)	2004 - 2012	0.02 (-0.35, 0.39)	—	—
	B	North America	USA-White	1998 - 2000	2.85 (0.51, 5.25)	2000 - 2009	1.10 (0.85, 1.34)	2009 - 2012	-0.66 (-1.74, 0.43)
	B	Asia	China	1998 - 2002	-2.35 (-4.67, 0.03)	2002 - 2012	2.61 (1.99, 3.22)	—	—
	B	Asia	Philippines	1998 - 2006	-0.55 (-1.59, 0.49)	2006 - 2012	-3.86 (-5.43, -2.27)	—	—
	B	Asia	Republic of Korea	1998 - 2002	3.10 (-1.12, 7.51)	2002 - 2012	8.49 (7.59, 9.40)	—	—
	B	Asia	Thailand	1998 - 2001	3.52 (0.03, 7.13)	2001 - 2004	-3.53 (-9.94, 3.34)	2004 - 2012	0.63 (-0.17, 1.42)
	B	Asia	Turkey	1998 - 2006	5.15 (3.87, 6.45)	2006 - 2012	1.38 (-0.18, 2.96)	—	—
	M	South America	Brazil	1998 - 2005	3.62 (0.67, 6.66)	2005 - 2012	-4.31 (-6.90, -1.64)	—	—
	M	South America	Chile	1998 - 2003	10.59 (-0.99, 23.53)	2003 - 2012	-2.24 (-5.95, 1.60)	—	—
	M	North America	United States of America	1998 - 2000	1.91 (-0.21, 4.09)	2000 - 2008	0.57 (0.29, 0.85)	2008 - 2012	-0.54 (-1.18, 0.11)
	M	North America	USA-Asian-Pacific Islander	1998 - 2002	-1.69 (-4.50, 1.19)	2002 - 2012	1.15 (0.52, 1.79)	—	—
	M	North America	USA-White	1998 - 2000	2.39 (0.00, 4.83)	2000 - 2008	0.72 (0.41, 1.03)	2008 - 2012	-0.48 (-1.20, 0.25)
	M	Asia	China	1998 - 2003	-1.52 (-3.46, 0.45)	2003 - 2012	1.77 (0.92, 2.63)	—	—
	M	Asia	Republic of Korea	1998 - 2005	2.45 (0.70, 4.23)	2005 - 2012	7.36 (5.76, 8.99)	—	—
	M	Europe	Austria	1998 - 2004	1.53 (0.32, 2.75)	2004 - 2008	-1.61 (-5.04, 1.95)	2008 - 2012	2.00 (-0.30, 4.36)
	F	North America	United States of America	1998 - 2008	1.45 (1.16, 1.74)	2008 - 2012	-0.18 (-1.27, 0.92)	—	—
	F	North America	USA-White	1998 - 2000	3.14 (0.45, 5.91)	2000 - 2009	1.41 (1.13, 1.69)	2009 - 2012	-0.58 (1.82, 0.68)
	F	Asia	China	1998 - 2002	-2.57 (-5.13, 0.06)	2002 - 2012	3.07 (2.41, 3.73)	—	—
	F	Asia	Philippines	1998 - 2006	0.06 (-1.19, 1.33)	2006 - 2012	-4.18 (-6.04, -2.29)	—	—
F	Asia	Thailand	1998 - 2001	5.06 (0.52, 9.80)	2001 - 2004	-3.49 (-11.69, 5.47)	2004 - 2012	-0.10 (-1.13, 0.94)	
F	Asia	Turkey	1998 - 2002	3.16 (-2.07, 8.68)	2002 - 2005	10.22 (-4.43, 27.11)	2005 - 2012	2.40 (0.77, 4.07)	
Bladder	B	North America	USA-American, Indian, Alaskan Native	1998 - 2003	-17.32 (-26.81, -6.61)	2003 - 2007	31.87 (2.60, 69.49)	2007 - 2012	-26.82 (-35.79, -16.59)
	B	Europe	United Kingdom	1998 - 2002	-14.36 (-21.53, -6.52)	2002 - 2012	-2.34 (-4.99, 0.39)	—	—
	M	Europe	Norway	1998 - 2001	-26.41 (-51.66, 12.03)	2001 - 2012	7.43 (0.91, 14.38)	—	—
	M	Europe	United Kingdom	1998 - 2002	-15.15 (-24.67, -4.44)	2002 - 2012	-2.73 (-6.06, 0.71)	—	—
Bone	B	South America	Brazil	1998 - 2006	9.27 (0.15, 19.23)	2006 - 2010	-31.86 (-58.15, 10.93)	2010 - 2012	160.36 (34.33, 404.63)
	B	North America	USA-Black	1998 - 2008	0.65 (-1.19, 2.54)	2008 - 2012	-6.62 (-13.23, 0.50)	—	—
	B	Asia	Philippines	1998 - 2009	-0.60 (-3.54, 2.43)	2009 - 2012	-19.87 (-38.53, 4.46)	—	—
	B	Europe	Lithuania	1998 - 2010	3.61 (0.70, 6.60)	2010 - 2012	-47.88 (-76.11, 13.68)	—	—
	B	Europe	United Kingdom	1998 - 2002	-4.84 (-11.33, 2.14)	2002 - 2012	2.27 (0.51, 4.06)	—	—
	M	South America	Brazil	1998 - 2005	12.80 (1.48, 25.38)	2005 - 2009	-35.94 (-61.83, 7.51)	2009 - 2012	94.45 (32.00, 186.46)
	M	North America	USA-White	1998 - 2007	0.64 (-0.63, 1.93)	2007 - 2010	-5.85 (-18.61, 8.91)	2010 - 2012	7.77 (-6.81, 24.63)
	M	Asia	China	1998 - 2010	-3.31 (-5.93, -0.61)	2010 - 2012	26.75 (-19.59, 99.79)	—	—
	M	Europe	United Kingdom	1998 - 2000	-11.22 (-28.57, 10.36)	2000 - 2012	2.21 (0.88, 3.55)	—	—
	F	North America	USA-Black	1998 - 2002	-5.65 (-15.73, 5.63)	2002 - 2005	15.14 (-16.77, 59.28)	2005 - 2012	-5.27 (-9.38, -0.98)
	F	Europe	France	1998 - 2000	-32.66 (-59.71, 12.56)	2000 - 2012	1.20 (-2.70, 5.27)	—	—
	Brain, central nervous system	B	North America	United States of America	1998 - 2006	0.34 (-0.17, 0.85)	2006 - 2012	-0.91 (-1.70, -0.12)	—
B		Europe	Ireland	1998 - 2006	-5.16 (-8.84, -1.33)	2006 - 2012	5.96 (-0.11, 12.39)	—	—
B		Europe	Lithuania	1998 - 2009	-0.82 (-2.88, 1.27)	2009 - 2012	12.27 (-3.18, 30.19)	—	—
M		North America	United States of America	1998 - 2007	0.24 (-0.25, 0.73)	2007 - 2012	-1.27 (-2.49, -0.03)	—	—
M		Europe	Lithuania	1998 - 2010	-2.25 (-5.18, 0.76)	2010 - 2012	37.25 (-16.28, 125.02)	—	—

	F	Europe	Ireland	1998 - 2006	-8.03 (-13.36, -2.36)	2006 - 2012	10.57 (1.42, 20.54)	—
	F	Europe	Poland	1998 - 2003	-17.01 (-31.42, 0.42)	2003 - 2012	5.08 (-3.32, 14.21)	—
Breast	F	Asia	Republic of Korea	1998 - 2002	9.75 (3.98, 15.85)	2002 - 2012	3.76 (2.61, 4.93)	—
	F	Europe	Czech Republic	1998 - 2008	2.90 (1.40, 4.41)	2008 - 2012	7.79 (2.81, 13.00)	—
	F	Europe	United Kingdom	1998 - 2008	-0.32 (-0.71, 0.06)	2008 - 2012	1.63 (0.03, 3.25)	—
Cervix uteri	F	Africa	Uganda	1998 - 2003	-10.07 (-20.57, 1.82)	2003 - 2012	4.62 (0.05, 9.39)	—
	F	South America	Brazil	1998 - 2002	8.66 (-10.89, 32.51)	2002 - 2006	-21.01 (-43.53, 10.51)	2006 - 2012 4.68 (-6.69, 17.44)
	F	South America	Bulgaria	1998 - 2002	3.46 (-1.38, 8.54)	2002 - 2010	-1.30 (-3.28, 0.71)	2010 - 2012 -16.57 (-30.20, -0.29)
	F	South America	Chile	1998 - 2010	-3.53 (-7.51, 0.62)	2010 - 2012	46.14 (-23.05, 177.54)	—
	F	Asia	Thailand	1998 - 2000	15.70 (-15.21, 57.88)	2000 - 2012	-4.82 (-6.75, -2.86)	—
	F	Europe	Netherlands	1998 - 2002	-5.63 (-11.64, 0.78)	2002 - 2012	3.10 (1.33, 4.91)	—
	F	Europe	Spain	1998 - 2009	-1.24 (-4.39, 2.01)	2009 - 2012	-25.24 (-46.64, 4.74)	—
	F	Europe	Switzerland	1998 - 2005	-6.36 (-11.50, -0.93)	2005 - 2012	3.95 (-1.87, 10.11)	—
	F	Oceania	Australia	1998 - 2001	-9.46 (-17.88, -0.18)	2001 - 2012	2.66 (1.36, 3.99)	—
	F	Oceania	New Zealand	1998 - 2000	20.78 (-19.68, 81.62)	2000 - 2004	-14.01 (-30.45, 6.32)	2004 - 2012 2.09 (-3.00, 7.44)
Colon	B	South America	Brazil	1998 - 2006	15.95 (7.12, 25.52)	2006 - 2012	-18.81 (-28.27, -8.09)	—
	B	Europe	United Kingdom	1998 - 2001	-2.35 (-11.26, 7.46)	2001 - 2010	5.53 (3.58, 7.53)	2010 - 2012 27.61 (12.26, 45.05)
	B	Oceania	Australia	1998 - 2006	0.52 (-2.27, 3.39)	2006 - 2012	9.01 (5.01, 13.16)	—
	M	South America	Brazil	1998 - 2006	17.61 (0.94, 37.04)	2006 - 2012	-19.05 (-36.88, 3.83)	—
	M	Europe	Spain	1998 - 2004	-9.56 (-16.72, -1.80)	2004 - 2012	5.30 (-0.86, 11.83)	—
	M	Europe	United Kingdom	1998 - 2010	3.91 (1.98, 5.87)	2010 - 2012	26.81 (0.13, 60.60)	—
	M	Oceania	Australia	1998 - 2003	-3.80 (-9.27, 2.01)	2003 - 2012	7.13 (4.91, 9.41)	—
	F	South America	Brazil	1998 - 2003	-7.88 (-25.04, 13.20)	2003 - 2006	52.01 (-33.24, 246.15)	2006 - 2012 -22.12 (-31.67, -11.24)
	F	Asia	Japan	1998 - 2009	3.52 (1.60, 5.48)	2009 - 2012	-12.59 (-24.73, 1.52)	—
	F	Europe	United Kingdom	1998 - 2009	3.68 (1.28, 6.13)	2009 - 2012	24.27 (8.99, 41.69)	—
	F	Oceania	Australia	1998 - 2008	1.77 (-0.60, 4.19)	2008 - 2012	12.44 (3.87, 21.71)	—
Connective and soft tissue	B	South America	Bulgaria	1998 - 2005	5.86 (0.88, 11.07)	2005 - 2012	-4.07 (-8.87, 0.98)	—
	B	North America	United States of America	1998 - 2009	0.82 (0.22, 1.41)	2009 - 2012	-3.84 (-7.53, 0.00)	—
	B	North America	USA-Black	1998 - 2006	1.82 (0.07, 3.60)	2006 - 2012	-2.02 (-4.38, 0.41)	—
	B	North America	USA-White	1998 - 2009	0.96 (0.21, 1.72)	2009 - 2012	-4.25 (-9.49, 1.30)	—
	B	Asia	China	1998 - 2005	-5.62 (-9.59, -1.47)	2005 - 2012	3.20 (-1.32, 7.93)	—
	M	South America	Bulgaria	1998 - 2004	9.31 (-0.53, 20.12)	2004 - 2012	-8.75 (-14.29, -2.84)	—
	M	North America	USA-Asian-Pacific Islander	1998 - 2000	-30.48 (-55.46, 8.50)	2000 - 2009	6.11 (0.75, 11.76)	2009 - 2012 -15.28 (-32.08, 5.68)
	M	Oceania	New Zealand	1998 - 2006	7.49 (-0.38, 15.98)	2006 - 2012	-10.75 (-21.28, 1.20)	—
	F	Asia	China	1998 - 2007	-7.09 (-10.77, -3.27)	2007 - 2012	10.65 (-0.18, 22.67)	—
	F	Asia	Thailand	1998 - 2001	74.17 (-17.82, 269.16)	2001 - 2012	-7.15 (-14.46, 0.79)	—
Corpus uteri	F	Asia	Israel	1998 - 2002	28.35 (-1.03, 66.47)	2002 - 2012	-3.32 (-8.12, 1.75)	—
	F	Asia	Philippines	1998 - 2006	6.08 (-0.67, 13.28)	2006 - 2012	-10.38 (-19.13, -0.68)	—
	F	Asia	Thailand	1998 - 2007	-8.25 (-14.85, -1.13)	2007 - 2012	24.39 (5.19, 47.09)	—
	F	Europe	Belarus	1998 - 2004	-5.23 (-11.26, 1.21)	2004 - 2012	8.45 (4.31, 12.75)	—
Eye	B	Africa	Uganda	1998 - 2005	-6.12 (-13.39, 1.76)	2005 - 2010	12.73 (-3.54, 31.73)	2010 - 2012 -31.00 (-59.52, 17.63)
Hodgkin lymphoma	B	North America	United States of America	1998 - 2008	0.16 (-0.13, 0.44)	2008 - 2012	-1.93 (-3.09, -0.75)	—
	B	North America	USA-Asian-Pacific Islander	1998 - 2009	5.12 (2.63, 7.67)	2009 - 2012	-7.51 (-19.99, 6.92)	—
	B	North America	USA-White	1998 - 2007	0.13 (-0.28, 0.54)	2007 - 2012	-1.74 (-2.71, -0.77)	—
	B	Asia	Israel	1998 - 2004	2.21 (0.34, 4.12)	2004 - 2007	-7.67 (-16.92, 2.62)	2007 - 2012 2.17 (-0.21, 4.60)

	B	Europe	Austria	1998 - 2010	1.72 (0.43, 3.03)	2010 - 2012	-15.05 (-32.58, 7.03)		—
	B	Europe	Belarus	1998 - 2000	-13.46 (-28.83, 5.22)	2000 - 2004	7.15 (-2.72, 18.03)	2004 - 2012	-1.43 (-3.53, 0.71)
	B	Europe	France	1998 - 2000	32.62 (-10.65, 96.83)	2000 - 2012	0.83 (-1.07, 2.77)		—
	B	Europe	Germany	1998 - 2010	-2.47 (-6.42, 1.64)	2010 - 2012	46.96 (-16.83, 159.66)		—
	B	Europe	Malta	1998 - 2000	-33.31 (-64.18, 24.19)	2000 - 2012	4.89 (1.08, 8.83)		—
	B	Oceania	New Zealand	1998 - 2010	2.93 (0.04, 5.90)	2010 - 2012	-23.34 (-54.57, 29.35)		—
	M	North America	USA-Asian-Pacific Islander	1998 - 2008	5.96 (3.00, 9.00)	2008 - 2012	-5.78 (-14.23, 3.50)		—
	M	Asia	China	1998 - 2005	-8.20 (-18.82, 3.80)	2005 - 2012	10.23 (-2.28, 24.34)		—
	M	Asia	Philippines	1998 - 2004	16.06 (3.90, 29.63)	2004 - 2007	-24.11 (-62.71, 54.44)	2007 - 2012	24.27 (10.60, 39.62)
	F	North America	United States of America	1998 - 2002	1.59 (-0.04, 3.25)	2002 - 2009	-0.35 (-1.20, 0.50)	2009 - 2012	-2.64 (-5.21, -0.00)
	F	North America	USA-White	1998 - 2005	0.81 (-0.22, 1.84)	2005 - 2012	-1.67 (-2.66, -0.67)		—
	F	Europe	France	1998 - 2000	49.88 (-17.88, 173.55)	2000 - 2012	-0.79 (-3.57, 2.08)		—
	F	Europe	Germany	1998 - 2010	-4.24 (-8.15, -0.16)	2010 - 2012	59.43 (-13.14, 192.63)		—
Kaposi sarcoma	B	North America	USA-White	1998 - 2000	-16.00 (-23.49, -7.77)	2000 - 2007	-2.99 (-5.06, -0.87)	2007 - 2012	-8.53 (-11.31, -5.66)
	B	Europe	Netherlands	1998 - 2000	36.52 (-18.34, 128.25)	2000 - 2012	-2.02 (-5.00, 1.05)		—
	B	Europe	United Kingdom	1998 - 2007	7.20 (2.20, 12.44)	2007 - 2012	-7.84 (-17.57, 3.04)		—
	M	North America	USA-White	1998 - 2000	-15.25 (-22.25, -7.27)	2000 - 2007	-2.70 (-4.69, -0.68)	2007 - 2012	-8.82 (-11.45, -6.12)
	M	Europe	United Kingdom	1998 - 2004	0.40 (-6.62, 7.95)	2004 - 2007	17.56 (-21.26, 75.53)	2007 - 2012	-10.34 (-18.70, -1.12)
Kidney and renal pelvis	B	North America	Canada	1998 - 2008	1.87 (0.99, 2.75)	2008 - 2012	5.68 (2.41, 9.06)		—
	B	North America	United States of America	1998 - 2008	7.33 (6.75, 7.91)	2008 - 2012	1.68 (-0.03, 3.42)		—
	B	North America	USA-White	1998 - 2008	8.09 (7.51, 8.67)	2008 - 2012	1.98 (0.17, 3.82)		—
	B	Oceania	Australia	1998 - 2000	-9.34 (-27.69, 13.66)	2000 - 2012	3.22 (1.95, 4.50)		—
	M	North America	United States of America	1998 - 2008	7.20 (6.09, 8.31)	2008 - 2012	1.52 (-2.08, 5.25)		—
	M	North America	USA-White	1998 - 2006	8.64 (6.92, 10.38)	2006 - 2012	3.39 (1.26, 5.56)		—
	M	Europe	Italy	1998 - 2007	9.37 (0.52, 18.99)	2007 - 2012	-13.15 (-28.83, 5.98)		—
	M	Europe	Netherlands	1998 - 2001	-17.47 (-44.65, 23.06)	2001 - 2006	22.01 (-3.72, 54.62)	2006 - 2012	-4.83 (-14.69, 6.17)
	F	North America	United States of America	1998 - 2009	7.35 (6.37, 8.33)	2009 - 2012	0.24 (-4.88, 5.63)		—
	F	North America	USA-Asian-Pacific Islander	1998 - 2008	7.56 (3.60, 11.68)	2008 - 2012	-6.31 (-16.68, 5.35)		—
	F	North America	USA-White	1998 - 2007	8.96 (7.41, 10.52)	2007 - 2012	3.16 (0.44, 5.95)		—
	F	Europe	Lithuania	1998 - 2008	7.16 (3.77, 10.66)	2008 - 2012	-17.04 (-28.95, -3.13)		—
Leukaemia	B	South America	Brazil	1998 - 2003	14.87 (-5.38, 39.46)	2003 - 2012	-13.35 (-20.40, -5.67)		—
	B	South America	Chile	1998 - 2001	-24.47 (-55.55, 28.35)	2001 - 2005	38.22 (-16.73, 129.45)	2005 - 2012	-15.04 (-25.29, -3.37)
	B	Asia	Japan	1998 - 2005	-2.63 (-6.16, 1.03)	2005 - 2012	5.63 (1.67, 9.74)		—
	B	Asia	Philippines	1998 - 2003	7.67 (1.02, 14.75)	2003 - 2012	-5.08 (-7.42, -2.68)		—
	B	Europe	Italy	1998 - 2002	13.50 (2.22, 26.02)	2002 - 2005	-18.18 (-40.82, 13.13)	2005 - 2012	5.01 (0.31, 9.93)
	M	Asia	Japan	1998 - 2005	-3.20 (-6.88, 0.63)	2005 - 2012	7.05 (2.92, 11.34)		—
	M	Asia	Philippines	1998 - 2003	9.55 (0.40, 19.53)	2003 - 2012	-4.53 (-7.68, -1.27)		—
	M	Asia	Turkey	1998 - 2009	3.52 (1.33, 5.76)	2009 - 2012	-8.27 (-20.74, 6.16)		—
	M	Europe	Denmark	1998 - 2003	-8.49 (-13.98, -2.65)	2003 - 2006	20.65 (-8.11, 58.40)	2006 - 2012	-5.38 (-9.66, -0.90)
	F	South America	Brazil	1998 - 2001	63.86 (-32.88, 300.05)	2001 - 2012	-11.26 (-19.15, -2.61)		—
	F	South America	Bulgaria	1998 - 2002	-14.91 (-32.85, 7.81)	2002 - 2012	6.52 (-0.41, 13.93)		—
	F	Asia	Philippines	1998 - 2003	5.52 (-2.32, 14.00)	2003 - 2012	-5.41 (-8.30, -2.43)		—
Lip, oral cavity and pharynx	B	Europe	Norway	1998 - 2003	-13.56 (-29.24, 5.60)	2003 - 2012	10.00 (1.97, 18.66)		—
	M	Asia	India	1998 - 2000	57.88 (14.28, 118.10)	2000 - 2004	-5.51 (-15.47, 5.62)	2004 - 2012	8.72 (6.36, 11.12)
	F	Europe	United Kingdom	1998 - 2002	-2.67 (-7.93, 2.89)	2002 - 2012	4.33 (3.01, 5.67)		—
Liver and intrahepatic bile ducts	B	Africa	Uganda	1998 - 2001	-16.25 (-42.90, 22.84)	2001 - 2006	24.76 (-1.06, 57.32)	2006 - 2012	-4.00 (-11.51, 4.14)

	B	North America	United States of America	1998 - 2009	1.60 (0.56, 2.65)	2009 - 2012	-4.62 (-11.61, 2.92)	—
	B	North America	USA-Black	1998 - 2004	7.49 (0.17, 15.35)	2004 - 2012	-3.47 (-7.47, 0.69)	—
	M	North America	United States of America	1998 - 2005	3.65 (0.69, 6.70)	2005 - 2012	-2.22 (-4.95, 0.60)	—
	M	North America	USA-Black	1998 - 2004	7.49 (0.17, 15.35)	2004 - 2012	-3.47 (-7.47, 0.69)	—
	F	North America	Canada	1998 - 2001	-25.00 (-47.74, 7.65)	2001 - 2012	9.69 (4.05, 15.62)	—
	F	Asia	Thailand	1998 - 2001	29.36 (-12.87, 92.06)	2001 - 2012	-6.54 (-11.14, -1.70)	—
	F	Asia	Turkey	1998 - 2002	42.37 (-11.26, 128.42)	2002 - 2012	-8.11 (-15.88, 0.37)	—
	F	Europe	Austria	1998 - 2002	-30.11 (-51.86, 1.45)	2002 - 2008	24.68 (-10.48, 73.65)	2008 - 2012 -37.23 (-62.61, 5.39)
Lung (incl. trachea)	F	Europe	Netherlands	1998 - 2007	-2.49 (-4.16, -0.79)	2007 - 2010	10.90 (-8.99, 35.14)	2010 - 2012 -21.56 (-37.43, -1.68)
Melanoma of skin	B	North America	United States of America	1998 - 2005	3.65 (1.84, 5.49)	2005 - 2012	-3.33 (-4.97, -1.66)	—
	B	North America	USA-White	1998 - 2005	3.95 (2.21, 5.72)	2005 - 2012	-3.05 (-4.68, -1.40)	—
	B	Europe	Denmark	1998 - 2010	8.64 (6.70, 10.61)	2010 - 2012	-6.44 (-27.48, 20.71)	—
	B	Europe	Italy	1998 - 2006	7.06 (3.00, 11.28)	2006 - 2012	-2.65 (-7.80, 2.79)	—
	B	Europe	Netherlands	1998 - 2009	3.30 (2.27, 4.34)	2009 - 2012	-3.29 (-10.02, 3.95)	—
	B	Europe	Switzerland	1998 - 2002	11.04 (1.57, 21.39)	2002 - 2012	-3.85 (-5.86, -1.79)	—
	B	Europe	United Kingdom	1998 - 2005	5.65 (3.86, 7.47)	2005 - 2012	-0.53 (-2.04, 1.00)	—
	B	Oceania	New Zealand	1998 - 2002	4.60 (-1.61, 11.21)	2002 - 2012	-4.30 (-5.80, -2.78)	—
	M	South America	Bulgaria	1998 - 2004	-9.12 (-20.54, 3.93)	2004 - 2012	9.27 (0.47, 18.85)	—
	M	North America	United States of America	1998 - 2002	5.41 (1.87, 9.07)	2002 - 2012	-2.52 (-3.34, -1.70)	—
	M	North America	USA-White	1998 - 2002	5.55 (1.99, 9.23)	2002 - 2012	-2.19 (-3.05, -1.33)	—
	M	Europe	Austria	1998 - 2004	11.74 (3.40, 20.75)	2004 - 2007	-12.28 (-42.96, 34.88)	2007 - 2012 8.94 (-0.90, 19.77)
	M	Europe	Norway	1998 - 2006	-4.22 (-7.80, -0.50)	2006 - 2012	5.80 (-0.18, 12.12)	—
	M	Europe	Switzerland	1998 - 2005	7.17 (3.04, 11.46)	2005 - 2012	-7.77 (-11.28, -4.12)	—
	M	Europe	United Kingdom	1998 - 2006	4.33 (2.34, 6.35)	2006 - 2012	-0.49 (-3.18, 2.28)	—
	M	Oceania	New Zealand	1998 - 2010	-1.20 (-2.74, 0.36)	2010 - 2012	-20.10 (-41.94, 9.95)	—
	F	North America	United States of America	1998 - 2005	4.80 (2.88, 6.76)	2005 - 2012	-3.20 (-4.88, -1.50)	—
	F	North America	USA-White	1998 - 2005	5.13 (3.26, 7.03)	2005 - 2012	-2.97 (-4.63, -1.27)	—
	F	Asia	China	1998 - 2002	-24.07 (-49.64, 14.50)	2002 - 2012	10.58 (2.23, 19.61)	—
	F	Asia	Israel	1998 - 2002	-7.52 (-13.61, -1.00)	2002 - 2005	7.56 (-13.01, 32.98)	2005 - 2012 -5.08 (-7.64, -2.45)
	F	Europe	Denmark	1998 - 2009	9.05 (6.97, 11.16)	2009 - 2012	-3.28 (-13.93, 8.68)	—
	F	Europe	Italy	1998 - 2007	7.84 (2.02, 13.99)	2007 - 2012	-7.17 (-18.40, 5.61)	—
	F	Europe	Netherlands	1998 - 2009	3.61 (2.10, 5.14)	2009 - 2012	-5.95 (-15.52, 4.72)	—
	F	Europe	Switzerland	1998 - 2000	25.57 (-8.69, 72.68)	2000 - 2012	-2.75 (-4.40, -1.08)	—
	F	Europe	United Kingdom	1998 - 2005	6.10 (4.34, 7.89)	2005 - 2012	-0.84 (-2.28, 0.63)	—
	F	Oceania	New Zealand	1998 - 2002	5.71 (-1.41, 13.33)	2002 - 2012	-4.55 (-6.22, -2.85)	—
Multiple myeloma and immunoproliferative diseases	B	Asia	Israel	1998 - 2000	139.87 (-64.13, 1504.07)	2000 - 2009	-11.40 (-20.20, -1.62)	2009 - 2012 28.61 (-19.03, 104.28)
	M	Asia	Israel	1998 - 2000	140.24 (-64.71, 1535.22)	2000 - 2007	-14.11 (-29.61, 4.80)	2007 - 2012 18.12 (-5.47, 47.60)
	F	North America	United States of America	1998 - 2001	10.38 (-0.47, 22.40)	2001 - 2012	0.62 (-0.88, 2.13)	—
Non-Hodgkin lymphoma	B	Africa	Uganda	1998 - 2006	12.40 (3.35, 22.23)	2006 - 2012	-8.90 (-18.25, 1.53)	—
	B	North America	United States of America	1998 - 2009	-0.16 (-0.47, 0.15)	2009 - 2012	-2.10 (-4.46, 0.32)	—
	B	North America	USA-Black	1998 - 2005	0.23 (-0.89, 1.36)	2005 - 2012	-2.34 (-3.43, -1.24)	—
	B	North America	USA-White	1998 - 2010	-0.10 (-0.38, 0.19)	2010 - 2012	-3.17 (-7.66, 1.53)	—
	B	Europe	Denmark	1998 - 2003	-5.13 (-11.64, 1.86)	2003 - 2012	3.32 (0.40, 6.32)	—
	B	Europe	United Kingdom	1998 - 2006	-0.33 (-1.15, 0.49)	2006 - 2012	2.58 (1.32, 3.85)	—
	M	Africa	Uganda	1998 - 2000	-49.32 (-84.27, 63.30)	2000 - 2005	39.53 (-7.60, 110.70)	2005 - 2012 -8.85 (-19.01, 2.58)

	M	North America	USA-White	1998 - 2010	-0.35 (-0.67, -0.03)	2010 - 2012	-3.81 (-9.39, 2.11)		—
	M	Europe	Cyprus	1998 - 2006	12.67 (-0.91, 28.12)	2006 - 2012	-14.60 (-30.34, 4.70)		—
	F	North America	USA-Black	1998 - 2005	2.14 (-0.44, 4.80)	2005 - 2012	-3.09 (-5.49, -0.63)		—
	F	Europe	Switzerland	1998 - 2009	-4.33 (-8.10, -0.41)	2009 - 2012	20.97 (-8.31, 59.61)		—
	F	Europe	United Kingdom	1998 - 2009	0.01 (-1.15, 1.19)	2009 - 2012	6.94 (-1.51, 16.12)		—
Oesophagus	M	Europe	France	1998 - 2004	-21.16 (-41.74, 6.70)	2004 - 2012	12.78 (-5.20, 34.17)		—
	M	Europe	Ireland	1998 - 2001	13.57 (-19.29, 59.82)	2001 - 2004	-31.44 (-67.74, 45.71)	2004 - 2012	11.12 (2.08, 20.95)
Ovary	F	North America	USA-American, Indian, Alaskan Native	1998 - 2006	-9.70 (-19.09, 0.77)	2006 - 2012	13.26 (-0.96, 29.52)		—
	F	Asia	China	1998 - 2006	11.68 (3.18, 20.87)	2006 - 2012	-9.00 (-18.30, 1.35)		—
	F	Asia	Philippines	1998 - 2008	2.70 (-0.13, 5.62)	2008 - 2012	-9.11 (-19.12, 2.13)		—
	F	Europe	Belarus	1998 - 2005	-0.75 (-4.89, 3.57)	2005 - 2012	9.32 (5.26, 13.54)		—
	F	Europe	United Kingdom	1998 - 2000	-10.93 (-23.88, 4.22)	2000 - 2012	1.73 (0.74, 2.74)		—
Prostate	M	North America	United States of America	1998 - 2009	6.38 (3.97, 8.84)	2009 - 2012	-15.06 (-31.82, 5.82)		—
	M	North America	USA-Black	1998 - 2009	8.74 (5.80, 11.77)	2009 - 2012	-11.44 (-27.02, 7.46)		—
	M	North America	USA-White	1998 - 2009	5.47 (3.28, 7.71)	2009 - 2012	-16.56 (-32.51, 3.16)		—
Rectum and anus	B	Asia	Kuwait	1998 - 2010	-5.43 (-12.14, 1.79)	2010 - 2012	92.07 (-13.27, 325.38)		—
	B	Asia	Thailand	1998 - 2005	-7.37 (-13.64, -0.66)	2005 - 2012	13.62 (6.13, 21.63)		—
	B	Europe	Belarus	1998 - 2008	-2.80 (-6.59, 1.15)	2008 - 2012	15.52 (0.40, 32.92)		—
	B	Europe	Denmark	1998 - 2001	-21.21 (-42.28, 7.56)	2001 - 2012	5.38 (0.17, 10.86)		—
	B	Europe	Lithuania	1998 - 2007	-4.33 (-11.98, 3.98)	2007 - 2012	21.26 (-0.54, 47.82)		—
	M	North America	United States of America	1998 - 2008	2.28 (1.63, 2.92)	2008 - 2012	-0.99 (-3.47, 1.56)		—
	M	North America	USA-Black	1998 - 2008	3.12 (1.19, 5.09)	2008 - 2012	-5.28 (-12.06, 2.03)		—
	M	Asia	Thailand	1998 - 2005	-11.21 (-23.96, 3.67)	2005 - 2012	16.66 (1.23, 34.44)		—
	F	Asia	Japan	1998 - 2003	-11.34 (-19.94, -1.82)	2003 - 2008	20.95 (6.40, 37.49)	2008 - 2012	-7.33 (-18.16, 4.93)
	F	Europe	Lithuania	1998 - 2006	-12.85 (-25.64, 2.14)	2006 - 2012	31.64 (5.18, 64.75)		—
Stomach	B	Africa	Uganda	1998 - 2002	62.32 (-27.35, 262.66)	2002 - 2012	-13.41 (-22.59, -3.15)		—
	B	Asia	China	1998 - 2000	-15.69 (-32.47, 5.27)	2000 - 2012	-1.22 (-2.79, 0.38)		—
	B	Europe	Lithuania	1998 - 2009	-3.78 (-7.40, -0.02)	2009 - 2012	29.93 (-0.37, 69.46)		—
	F	South America	Ecuador	1998 - 2000	-26.93 (-57.24, 24.86)	2000 - 2012	6.32 (3.09, 9.65)		—
	F	North America	USA-White	1998 - 2007	4.29 (2.93, 5.67)	2007 - 2012	-0.08 (-3.10, 3.04)		—
	F	Asia	China	1998 - 2001	-15.64 (-27.32, -2.09)	2001 - 2012	0.49 (-2.01, 3.05)		—
	F	Asia	Israel	1998 - 2007	5.56 (-0.39, 11.86)	2007 - 2012	-18.10 (-29.09, -5.40)		—
Testis	M	South America	Chile	1998 - 2001	45.06 (-16.11, 150.83)	2001 - 2012	-1.82 (-6.75, 3.37)		—
	M	Europe	Spain	1998 - 2002	14.26 (5.34, 23.94)	2002 - 2012	0.83 (-0.84, 2.52)		—
Thyroid	B	North America	USA-White	1998 - 2009	5.74 (5.22, 6.26)	2009 - 2012	3.06 (-0.03, 6.24)		—
	B	Asia	China	1998 - 2001	-5.06 (-16.47, 7.91)	2001 - 2010	12.74 (10.09, 15.46)	2010 - 2012	26.58 (9.89, 45.81)
	B	Asia	Japan	1998 - 2003	-3.32 (-9.41, 3.18)	2003 - 2006	24.22 (-3.33, 59.61)	2006 - 2012	4.82 (1.20, 8.57)
	B	Asia	Philippines	1998 - 2006	2.59 (0.06, 5.17)	2006 - 2012	-7.25 (-10.83, -3.53)		—
	B	Asia	Republic of Korea	1998 - 2010	23.04 (20.81, 25.31)	2010 - 2012	9.35 (-6.06, 27.30)		—
	B	Asia	Turkey	1998 - 2002	-0.17 (-15.14, 17.45)	2002 - 2005	41.22 (-6.77, 113.90)	2005 - 2012	8.11 (4.64, 11.69)
	B	Europe	Belarus	1998 - 2000	17.01 (-9.86, 51.91)	2000 - 2012	0.64 (-0.71, 2.01)		—
	B	Europe	Lithuania	1998 - 2002	33.03 (8.69, 62.81)	2002 - 2012	3.02 (-0.56, 6.73)		—
	B	Europe	Slovenia	1998 - 2005	13.73 (7.22, 20.64)	2005 - 2012	0.23 (-4.43, 5.13)		—
	M	South America	Brazil	1998 - 2010	-1.26 (-6.95, 4.77)	2010 - 2012	56.80 (-22.29, 216.38)		—
	M	Asia	China	1998 - 2001	-7.83 (-29.68, 20.80)	2001 - 2010	17.25 (11.76, 23.01)	2010 - 2012	38.36 (8.55, 76.36)

M	Europe	Belarus	1998 - 2000	27.70 (-6.90, 75.14)	2000 - 2004	-8.02 (-19.96, 5.70)	2004 - 2012	1.21 (-2.01, 4.54)
M	Europe	France	1998 - 2009	4.21 (1.84, 6.63)	2009 - 2012	-12.66 (-27.21, 4.80)		—
M	Europe	Norway	1998 - 2006	-3.41 (-8.87, 2.37)	2006 - 2012	14.69 (6.87, 23.07)		—
F	North America	Canada	1998 - 2002	13.23 (7.99, 18.72)	2002 - 2012	3.12 (2.20, 4.04)		—
F	North America	United States of America	1998 - 2009	5.62 (5.10, 6.14)	2009 - 2012	2.88 (-0.10, 5.95)		—
F	North America	USA-White	1998 - 2009	5.79 (5.23, 6.36)	2009 - 2012	2.63 (-0.62, 5.98)		—
F	Asia	China	1998 - 2003	0.56 (-5.32, 6.81)	2003 - 2012	14.04 (12.02, 16.09)		—
F	Asia	Japan	1998 - 2003	-4.96 (-12.61, 3.36)	2003 - 2006	24.86 (-11.91, 76.96)	2006 - 2012	6.20 (1.38, 11.25)
F	Asia	Philippines	1998 - 2006	2.55 (-0.31, 5.50)	2006 - 2012	-7.81 (-11.88, -3.55)		—
F	Asia	Republic of Korea	1998 - 2010	22.19 (20.05, 24.37)	2010 - 2012	7.50 (-7.58, 25.03)		—
F	Asia	Turkey	1998 - 2002	-0.11 (-15.38, 17.92)	2002 - 2005	41.29 (-7.92, 116.81)	2005 - 2012	7.51 (3.98, 11.15)
F	Europe	Italy	1998 - 2002	18.16 (4.57, 33.50)	2002 - 2012	4.00 (1.61, 6.45)		—
F	Europe	Lithuania	1998 - 2002	33.33 (11.35, 59.67)	2002 - 2012	2.39 (-0.79, 5.68)		—
F	Europe	Slovenia	1998 - 2005	15.68 (5.74, 26.56)	2005 - 2012	-0.94 (-8.05, 6.70)		—

†An em-dash (—) denotes only two joinpoints.

Supplementary Table 7: Average annual percentage change (AAPC) for cancer occurring among 15-39 year olds during the period of 1998-2012 for each country, by sex group, for cancers of the anus and rectum.[†]

Country	Sex: Combined		Sex: Males		Sex: Females	
	Anus	Rectum	Anus	Rectum	Anus	Rectum
Africa						
Uganda*	3.43 (0.17, 6.79)	1.25 (-5.26, 8.19)	—	-2.24 (-8.88, 4.88)	2.75 (-0.28, 5.87)	-0.04 (-8.91, 9.70)
South America						
Brazil*	-3.96 (-11.92, 4.73)	-0.43 (-6.12, 5.62)	—	-1.82 (-9.51, 6.52)	—	0.38 (-5.99, 7.17)
Chile*	—	-3.18 (-7.12, 0.93)	—	-2.09 (-4.78, 0.68)	—	-0.19 (-5.66, 5.59)
Colombia*	-0.10 (-6.94, 7.23)	2.05 (-2.04, 6.30)	0.99 (-6.05, 8.56)	-1.85 (-7.28, 3.89)	6.09 (-2.14, 15.00)	6.88 (0.08, 14.14)
Ecuador*	3.27 (-2.77, 9.67)	-1.42 (-6.46, 3.89)	—	-2.38 (-7.43, 2.94)	-2.71 (-4.35, -1.03)	-3.17 (-9.31, 3.39)
North America						
Canada*	-0.40 (-3.75, 3.07)	4.97 (3.26, 6.70)	-2.05 (-7.45, 3.66)	4.47 (1.93, 7.06)	0.47 (-3.47, 4.57)	5.49 (3.88, 7.12)
USA_NPCR*	-2.01 (-3.02, -0.99)	2.57 (2.16, 2.97)	-2.72 (-3.97, -1.45)	2.33 (1.85, 2.82)	-1.11 (-2.63, 0.44)	2.82 (2.34, 3.32)
USA_NPCR-American-Indian-Alaskan-Native*	-3.45 (-8.11, 1.44)	2.10 (-1.35, 5.68)	-2.14 (-4.06, -0.18)	5.53 (-2.19, 13.86)	-3.47 (-10.28, 3.84)	-1.15 (-5.81, 3.74)
USA_NPCR-Asian-Pacific-Islander*	-1.87 (-6.89, 3.41)	-0.27 (-1.72, 1.21)	-4.33 (-9.87, 1.54)	-0.64 (-2.72, 1.48)	0.05 (-6.26, 6.78)	0.42 (-1.65, 2.53)
USA_NPCR-Black*	0.75 (-1.25, 2.79)	2.35 (1.38, 3.34)	0.92 (-1.47, 3.37)	1.45 (-0.28, 3.22)	0.22 (-2.91, 3.45)	3.21 (2.10, 4.33)
USA_NPCR-White*	-3.00 (-4.20, -1.79)	2.75 (2.29, 3.21)	-4.48 (-6.00, -2.92)	2.61 (2.12, 3.10)	-1.43 (-3.38, 0.55)	2.91 (2.31, 3.52)
Asia						
Bahrain*	—	2.19 (-3.55, 8.27)	—	0.55 (-5.23, 6.68)	—	4.21 (-1.40, 10.15)
China*	0.52 (-6.72, 8.31)	-0.65 (-2.75, 1.50)	0.11 (-4.17, 4.58)	2.20 (-0.62, 5.10)	0.08 (-9.23, 10.34)	-3.52 (-6.10, -0.86)
India*	1.49 (-5.28, 8.74)	-1.88 (-4.57, 0.88)	-3.42 (-7.66, 1.02)	-1.72 (-4.50, 1.13)	-1.80 (-8.96, 5.92)	-2.51 (-7.02, 2.21)
Israel	-3.54 (-9.48, 2.80)	0.08 (-2.08, 2.30)	-1.15 (-6.94, 5.00)	-0.24 (-3.19, 2.81)	0.65 (-3.71, 5.21)	0.46 (-2.43, 3.43)
Japan*	14.82 (6.23, 24.10)	2.78 (0.85, 4.74)	13.79 (1.43, 27.65)	1.66 (-1.27, 4.67)	0.69 (-8.58, 10.89)	3.91 (0.90, 7.00)
Kuwait*	—	0.33 (-5.91, 6.97)	—	-2.38 (-7.39, 2.90)	—	-1.59 (-10.59, 8.32)
Philippines*	-3.98 (-9.03, 1.35)	-0.77 (-3.70, 2.26)	-1.25 (-5.90, 3.63)	-0.56 (-3.63, 2.61)	-1.31 (-6.71, 4.40)	-1.10 (-4.66, 2.59)
Republic of Korea*	2.89 (-6.26, 12.94)	7.07 (5.97, 8.19)	1.49 (-5.92, 9.49)	8.14 (7.05, 9.25)	0.29 (-11.12, 13.16)	5.67 (4.21, 7.14)
Thailand*	-4.27 (-7.59, -0.82)	3.22 (-0.06, 6.61)	-2.71 (-6.90, 1.68)	3.24 (-2.44, 9.25)	—	4.32 (-0.33, 9.20)
Turkey*	-0.79 (-6.98, 5.82)	0.88 (-2.23, 4.10)	-2.95 (-4.74, -1.13)	1.99 (-4.24, 8.62)	-4.09 (-10.35, 2.61)	-0.19 (-5.80, 5.76)
Europe						
Austria	-5.83 (-13.53, 2.55)	0.63 (-1.79, 3.10)	-3.44 (-8.89, 2.33)	-0.31 (-3.02, 2.48)	-0.94 (-7.86, 6.49)	1.12 (-3.91, 6.42)
Bulgaria	-2.83 (-9.32, 4.12)	-0.21 (-2.17, 1.80)	-5.16 (-9.40, -0.71)	-0.46 (-3.51, 2.68)	2.50 (-3.18, 8.51)	-0.35 (-4.09, 3.53)
Croatia	3.13 (-5.99, 13.12)	0.40 (-2.46, 3.34)	0.03 (-8.59, 9.47)	-1.08 (-4.40, 2.36)	—	1.69 (-1.84, 5.34)
Cyprus	—	-1.28 (-8.30, 6.27)	—	-0.99 (-8.06, 6.62)	—	4.79 (-0.50, 10.36)
Czech Republic	0.22 (-5.97, 6.82)	-0.70 (-1.98, 0.60)	-3.32 (-7.19, 0.71)	0.61 (-2.31, 3.61)	4.11 (-1.57, 10.13)	-1.73 (-3.79, 0.38)
Denmark	-2.77 (-9.69, 4.67)	2.03 (-2.12, 6.35)	-0.40 (-5.86, 5.38)	2.38 (-3.18, 8.27)	-4.30 (-11.80, 3.83)	1.11 (-4.23, 6.75)
Estonia	—	-0.83 (-8.12, 7.04)	—	-0.82 (-8.39, 7.38)	—	-3.16 (-10.23, 4.47)
France*	4.28 (-3.04, 12.15)	0.38 (-1.82, 2.63)	2.19 (-5.89, 10.96)	-3.37 (-6.03, -0.64)	5.09 (-3.36, 14.28)	5.43 (1.34, 9.69)
Germany*	0.47 (-5.50, 6.81)	1.73 (-1.73, 5.32)	-0.08 (-7.22, 7.60)	2.29 (-3.03, 7.90)	6.72 (-0.68, 14.67)	-1.24 (-8.64, 6.75)
Iceland	—	-0.92 (-7.29, 5.89)	—	1.05 (-2.02, 4.22)	—	-5.37 (-11.48, 1.16)
Ireland	4.59 (-1.98, 11.59)	2.74 (-0.22, 5.80)	-5.77 (-10.71, -0.56)	2.70 (-2.34, 7.99)	4.14 (-1.34, 9.93)	2.49 (-3.08, 8.38)
Italy*	-2.24 (-6.64, 2.36)	-1.04 (-5.52, 3.65)	-2.07 (-2.72, -1.41)	0.98 (-4.80, 7.12)	-3.24 (-6.24, -0.15)	-2.30 (-9.15, 5.06)
Lithuania	-10.40 (-23.33, 4.70)	3.05 (-1.31, 7.60)	—	3.65 (0.11, 7.31)	—	2.51 (-6.37, 12.23)
Malta	—	7.72 (3.51, 12.11)	0.24 (-5.61, 6.46)	3.53 (1.37, 5.74)	—	7.31 (4.73, 9.95)
Netherlands	4.27 (-2.36, 11.36)	3.01 (1.75, 4.29)	—	—	3.59 (-2.44, 10.00)	2.33 (-0.59, 5.32)
Norway	-2.09 (-8.33, 4.59)	6.05 (3.51, 8.66)	-2.83 (-8.64, 3.36)	7.28 (3.19, 11.54)	-1.28 (-7.08, 4.89)	5.55 (0.95, 10.36)
Poland*	—	-4.25 (-8.41, 0.10)	—	-5.17 (-10.99, 1.04)	—	-0.51 (-7.59, 7.10)
Slovenia	—	2.38 (-2.97, 8.03)	—	2.86 (-2.28, 8.27)	—	1.21 (-7.12, 10.28)
Spain*	-7.78 (-14.40, -0.64)	0.75 (-2.77, 4.41)	-5.77 (-11.78, 0.66)	2.27 (-4.72, 9.77)	-0.98 (-5.32, 3.56)	-0.11 (-3.61, 3.51)
Switzerland*	-2.19 (-8.97, 5.10)	-1.71 (-5.45, 2.19)	-2.37 (-6.68, 2.13)	0.11 (-8.42, 9.42)	8.25 (2.22, 14.65)	-0.21 (-9.58, 10.12)
United Kingdom*	1.99 (-1.01, 5.07)	4.34 (3.05, 5.66)	2.85 (-0.82, 6.65)	4.79 (3.25, 6.36)	1.77 (-1.91, 5.59)	3.76 (1.76, 5.80)
Oceania						
Australia	0.75 (-3.39, 5.06)	4.07 (3.13, 5.01)	-1.28 (-5.80, 3.46)	4.02 (2.58, 5.49)	-0.33 (-4.58, 4.11)	4.23 (2.80, 5.69)
New Zealand	-1.43 (-7.66, 5.21)	4.76 (1.56, 8.07)	0.80 (0.18, 1.41)	8.21 (4.32, 12.25)	-3.08 (-10.76, 5.27)	2.21 (-1.25, 5.80)

*Sub-National

†An em-dash (—) denotes that too few cancer cases were observed to calculate the AAPC

Supplementary Table 8: Annual average percentage change (AAPC) for cancers occurring among 15-39 year old males during the period of 1998-2012 for each country, for cancers of the bladder, bone, brain (central nervous system), connective and soft tissue, eye, gallbladder and extrahepatic ducts, Hodgkin lymphoma, Kaposi sarcoma, larynx, leukaemia, lip (oral cavity and pharynx), liver and intrahepatic bile ducts, lung (incl. trachea), melanoma of skin, multiple myeloma and immunoproliferative diseases, Non-Hodgkin lymphoma, oesophagus, pancreas, prostate, and stomach.[†]

Country	Bladder	Bone	Brain, central nervous system	Connective and soft tissue	Eye	Gallbladder and extrahepatic ducts	Hodgkin Lymphoma
Africa							
Uganda*	-1.56 (-8.95, 6.43)	5.67 (-0.15, 11.83)	6.84 (0.71, 13.34)	-2.89 (-10.26, 5.09)	-1.49 (-5.77, 2.98)	—	3.49 (-2.38, 9.72)
South America							
Brazil*	-2.17 (-7.55, 3.53)	-1.24 (-8.40, 6.49)	-1.94 (-7.09, 3.49)	-5.74 (-10.64, -0.58)	-6.40 (-13.46, 1.24)	-2.12 (-3.97, -0.23)	-2.75 (-9.35, 4.34)
Chile*	-1.77 (-16.15, 15.06)	-3.28 (-9.73, 3.62)	6.49 (-0.97, 14.52)	-3.61 (-9.77, 2.98)	—	—	5.46 (-1.92, 13.39)
Colombia*	-2.45 (-7.34, 2.70)	-0.51 (-3.92, 3.03)	0.72 (-2.32, 3.85)	-0.80 (-9.03, 8.18)	9.63 (0.38, 19.73)	-7.60 (-11.51, -3.52)	-1.98 (-7.65, 4.04)
Ecuador*	-3.17 (-8.81, 2.82)	3.20 (-1.61, 8.24)	9.27 (2.93, 16.00)	1.33 (-2.32, 5.13)	0.72 (-4.02, 5.70)	-6.63 (-15.06, 2.63)	2.86 (-5.30, 11.72)
North America							
Canada*	1.08 (-0.95, 3.15)	-0.68 (-1.99, 0.64)	0.74 (-0.41, 1.91)	1.16 (0.00, 2.33)	-0.38 (-4.19, 3.59)	9.55 (3.43, 16.02)	-0.08 (-0.65, 0.49)
United States of America*	-1.83 (-2.30, -1.34)	-0.55 (-1.16, 0.07)	-0.21 (-0.47, 0.05)	0.19 (-0.43, 0.82)	-1.70 (-2.98, -0.40)	3.67 (1.61, 5.78)	-0.32 (-0.57, -0.07)
USA-American, Indian, Alaskan Native*	-6.04 (-14.27, 2.97)	5.03 (1.59, 8.58)	-0.69 (-4.59, 3.36)	2.43 (-5.76, 11.33)	-2.36 (-7.97, 3.59)	—	1.59 (-4.80, 8.40)
USA-Asian-Pacific Islander*	-1.38 (-3.93, 1.24)	0.64 (-2.18, 3.55)	0.59 (-0.32, 2.14)	-0.35 (-3.06, 2.44)	-5.38 (-11.13, 0.75)	0.38 (-7.91, 9.41)	3.44 (1.47, 5.45)
USA-Black*	-1.14 (-3.62, 1.41)	-1.52 (-2.97, -0.05)	-0.02 (-0.98, 0.95)	0.32 (-0.84, 1.50)	-2.54 (-8.58, 3.90)	8.50 (4.69, 12.45)	1.24 (0.44, 2.05)
USA-White*	-1.74 (-2.32, -1.16)	-0.37 (-1.05, 0.31)	-0.09 (-0.38, 0.20)	0.27 (-0.45, 0.99)	-1.47 (-2.64, -0.29)	3.04 (1.04, 5.07)	-0.49 (-0.74, -0.24)
Asia							
Bahrain*	-3.22 (-4.61, -1.81)	-3.04 (-9.48, 3.85)	0.25 (-4.78, 5.54)	-3.40 (-9.19, 2.77)	—	—	-4.05 (-11.53, 4.05)
China*	-4.42 (-8.00, -0.69)	-1.34 (-3.44, 0.82)	0.14 (-1.29, 1.58)	-0.79 (-3.37, 1.87)	-2.66 (-8.62, 3.69)	0.34 (-8.05, 9.49)	0.72 (-3.06, 4.64)
India*	-0.76 (-7.63, 6.61)	0.63 (-2.49, 3.85)	-2.46 (-5.84, 1.05)	2.68 (-2.68, 8.35)	-1.35 (-6.33, 3.90)	3.81 (-2.78, 10.84)	1.63 (-3.02, 6.51)
Israel	-1.28 (-3.56, 1.06)	-0.01 (-3.17, 3.24)	1.27 (-0.37, 2.94)	-3.20 (-6.12, -0.18)	0.34 (-6.08, 7.19)	4.65 (-0.33, 9.87)	-0.80 (-1.88, 0.28)
Japan*	1.09 (-2.09, 4.37)	0.77 (-2.83, 4.50)	2.59 (-0.30, 5.57)	5.06 (1.99, 8.22)	5.96 (-0.74, 13.10)	-8.14 (-14.12, -1.75)	6.63 (3.30, 10.07)
Kuwait*	-8.71 (-15.10, -1.85)	-1.44 (-7.52, 5.04)	-3.65 (-8.60, 1.56)	-5.35 (-12.12, 1.94)	—	—	8.09 (3.75, 12.61)
Philippines*	0.63 (-5.24, 6.86)	-3.99 (-6.28, -1.64)	-3.47 (-6.19, -0.67)	-0.25 (-3.19, 2.78)	-0.61 (-5.63, 4.68)	2.48 (-3.28, 8.58)	4.56 (0.53, 8.74)
Republic of Korea*	1.76 (-0.94, 4.53)	0.31 (-1.69, 2.35)	2.13 (0.95, 3.33)	6.05 (4.73, 7.38)	6.30 (-1.470, 14.69)	-0.69 (-4.61, 3.39)	11.20 (8.04, 14.45)
Thailand*	-0.30 (-5.97, 5.72)	-2.27 (-7.54, 3.29)	2.79 (-0.67, 6.38)	-4.59 (-9.40, 0.48)	-2.12 (-8.17, 4.33)	4.33 (-4.48, 13.95)	1.14 (-2.01, 4.38)
Turkey*	3.91 (0.63, 7.30)	-0.08 (-2.99, 2.91)	0.53 (-1.80, 2.92)	-0.15 (-3.64, 3.47)	-2.38 (-20.10, 19.26)	2.40 (-5.04, 10.43)	4.26 (0.23, 8.46)
Europe							
Austria	-1.93 (-6.62, 3.00)	0.27 (-2.86, 3.49)	-0.69 (-2.20, 0.84)	1.26 (-1.24, 3.83)	3.95 (-2.19, 10.47)	-0.20 (-10.11, 10.80)	-0.38 (-1.92, 1.19)
Belarus	3.07 (0.04, 6.18)	0.05 (-2.04, 2.19)	1.78 (0.11, 3.49)	-1.07 (-3.76, 1.69)	3.01 (-2.31, 8.61)	1.96 (-3.57, 7.80)	0.22 (-1.39, 1.85)
Bulgaria	3.60 (0.06, 7.26)	-0.09 (-4.38, 4.40)	-0.56 (-2.87, 1.80)	-1.68 (-4.75, 1.49)	2.50 (-5.33, 10.99)	-0.65 (-5.90, 4.89)	-1.59 (-3.58, 0.44)
Croatia	5.68 (0.26, 11.41)	-5.14 (-9.36, -0.72)	-0.99 (-3.47, 1.55)	8.28 (1.49, 15.52)	2.19 (-6.01, 11.12)	2.87 (-3.02, 9.11)	0.08 (-3.48, 3.77)
Cyprus	-0.31 (-6.41, 6.19)	-6.02 (-12.34, 0.75)	-3.71 (-9.81, 2.81)	3.11 (-5.75, 12.81)	—	—	0.27 (-3.58, 4.28)
Czech Republic	-0.41 (-2.81, 2.05)	-0.38 (-2.69, 1.98)	-1.76 (-3.66, 0.17)	-0.12 (-3.32, 3.18)	-2.11 (-10.23, 6.74)	0.41 (-6.42, 7.74)	2.19 (0.71, 3.70)
Denmark	-6.97 (-14.43, 1.14)	-2.31 (-6.64, 2.22)	-0.93 (-4.14, 2.39)	5.38 (0.91, 10.04)	-0.23 (-7.65, 7.80)	-1.82 (-9.16, 6.12)	-0.22 (-3.10, 2.74)
Estonia	-0.75 (-5.17, 3.87)	-9.86 (-15.89, -3.39)	-2.20 (-7.20, 3.08)	-4.33 (-11.80, 3.77)	-0.71 (-1.76, 0.35)	—	0.74 (-2.80, 4.41)
France*	-2.62 (-7.97, 3.04)	1.86 (-0.97, 4.77)	0.40 (-1.28, 2.11)	3.15 (-2.26, 8.85)	0.73 (-7.25, 9.39)	3.64 (-5.34, 13.46)	3.67 (2.13, 5.23)
Germany*	4.49 (-0.78, 10.04)	-1.22 (-8.06, 6.12)	0.81 (-3.77, 5.61)	3.86 (-1.13, 9.11)	—	6.22 (-1.14, 14.13)	1.69 (-2.42, 5.97)
Iceland	-5.43 (-12.99, 2.80)	-8.74 (-16.18, -0.64)	2.14 (-3.16, 7.74)	-2.85 (-19.50, 17.25)	—	—	-2.34 (-9.20, 5.04)
Ireland	0.83 (-2.78, 4.57)	-1.38 (-5.18, 2.58)	-0.66 (-2.36, 1.08)	0.39 (-4.71, 5.76)	0.51 (-6.98, 8.61)	-2.59 (-7.44, 2.52)	2.24 (0.58, 3.92)
Italy*	2.75 (-0.45, 6.06)	3.74 (-1.17, 8.88)	-0.69 (-4.20, 2.96)	4.84 (-1.09, 11.11)	-2.49 (-8.36, 3.76)	6.70 (0.73, 13.02)	1.94 (-0.72, 4.67)
Lithuania	-3.07 (-8.00, 2.12)	-1.81 (-7.72, 4.47)	0.09 (-2.49, 2.75)	-1.94 (-6.05, 2.35)	3.80 (-4.62, 12.97)	2.64 (1.59, 3.71)	-1.53 (-4.68, 1.72)
Malta	-5.58 (-11.90, 1.19)	-1.21 (-7.10, 5.06)	-1.23 (-7.90, 5.93)	-5.12 (-10.79, 0.91)	—	—	-1.82 (-7.09, 3.76)
Netherlands	1.93 (0.19, 3.71)	1.83 (-0.03, 3.71)	0.33 (-0.90, 1.57)	-0.41 (-2.33, 1.55)	-2.23 (-6.70, 2.46)	0.72 (-4.80, 6.55)	-0.21 (-1.19, 0.78)
Norway	2.13 (-2.14, 6.59)	3.91 (-1.16, 9.24)	0.48 (-1.54, 2.55)	1.54 (-3.03, 6.33)	-1.10 (-10.08, 8.78)	0.95 (-3.83, 5.95)	1.58 (-0.49, 3.70)
Poland*	-1.77 (-8.45, 5.39)	4.73 (-3.38, 13.51)	-2.13 (-5.25, 1.09)	-2.08 (-10.03, 6.57)	—	-0.41 (-1.77, 0.96)	-1.14 (-5.46, 3.38)
Slovenia	2.66 (-5.97, 12.09)	-6.70 (-13.08, 0.14)	1.05 (-3.20, 5.48)	-6.23 (-9.89, -2.42)	5.62 (1.23, 10.20)	-0.30 (-0.62, 0.02)	0.61 (-3.28, 4.66)
Spain*	-2.80 (-6.47, 1.02)	2.72 (-0.35, 5.89)	-1.87 (-4.11, 0.42)	-1.40 (-5.42, 2.80)	-0.27 (-4.79, 4.47)	-0.01 (-8.34, 9.07)	-0.08 (-1.97, 1.85)
Switzerland*	6.70 (2.09, 11.53)	-0.14 (-5.57, 5.61)	1.84 (-1.33, 5.12)	0.54 (-5.96, 7.48)	-1.59 (-5.88, 2.90)	0.70 (-3.94, 5.56)	2.27 (-0.95, 5.59)
United Kingdom*	-5.72 (-7.62, -3.79)	1.12 (0.07, 2.19)	0.45 (-0.20, 1.12)	0.24 (-1.14, 1.64)	-0.10 (-3.69, 3.63)	3.36 (-1.28, 8.22)	0.83 (0.00, 1.66)
Oceania							
Australia	-5.13 (-8.69, -1.43)	1.27 (0.34, 2.20)	0.48 (-0.69, 1.65)	-0.73 (-2.72, 1.30)	-4.33 (-7.69, -0.84)	-3.59 (-9.11, 2.27)	1.19 (0.24, 2.15)
New Zealand	-9.68 (-15.02, -4.00)	-1.42 (-5.60, 2.95)	0.94 (-0.98, 2.91)	-0.23 (-3.93, 3.60)	-9.59 (-14.81, -4.04)	4.37 (0.64, 8.25)	1.15 (-2.06, 4.46)

Country	Kaposi sarcoma	Larynx	Leukaemia	Lip, oral cavity and pharynx	Liver and intrahepatic bile ducts	Lung (incl. trachea)	Melanoma of skin
Africa							
Uganda*	-1.65 (-3.42, 0.15)	-3.64 (-12.41, 6.00)	12.31 (3.02, 22.43)	1.72 (-2.80, 6.44)	8.38 (2.98, 14.07)	-3.32 (-9.75, 3.57)	—
South America							
Brazil*	-0.19 (-8.72, 9.15)	-1.03 (-6.60, 4.88)	-9.06 (-14.89, -2.83)	-0.18 (-5.66, 5.63)	-0.09 (-3.60, 3.55)	1.53 (-8.76, 12.97)	0.29 (-7.54, 8.78)
Chile*	—	—	-1.14 (-7.76, 5.96)	—	—	—	0.59 (-2.05, 3.31)
Colombia*	-6.36 (-10.09, -2.47)	-3.23 (-8.36, 2.18)	0.50 (-3.00, 4.12)	0.60 (-7.16, 9.00)	1.32 (-4.67, 7.70)	2.84 (-3.64, 9.75)	-3.35 (-10.31, 4.16)
Ecuador*	5.61 (-1.87, 13.66)	—	2.27 (0.02, 4.57)	7.31 (0.97, 14.06)	-3.96 (-8.14, 0.42)	3.66 (-6.06, 14.39)	-8.26 (-14.44, -1.63)
North America							
Canada*	-6.17 (-8.69, -3.58)	-5.30 (-10.65, 0.37)	0.81 (-0.13, 1.77)	0.26 (-1.06, 1.59)	-1.64 (-4.14, 0.92)	-2.63 (-4.68, -0.54)	-0.88 (-1.67, -0.10)
United States of America*	-3.90 (-4.44, -3.35)	-3.04 (-4.53, -1.54)	1.17 (0.92, 1.42)	0.32 (-0.18, 0.82)	0.58 (-0.51, 1.68)	-2.87 (-3.35, -2.40)	-0.87 (-1.75, 0.02)
USA-American, Indian, Alaskan Native*	-5.60 (-14.81, 4.60)	—	-1.42 (-4.03, 1.26)	-4.06 (-10.30, 2.62)	-4.33 (-10.48, 2.24)	-3.60 (-10.63, 4.00)	-0.57 (-7.19, 6.53)
USA-Asian-Pacific Islander*	-2.29 (-6.73, 2.37)	0.71 (-5.67, 7.52)	0.55 (-1.00, 2.12)	0.16 (-1.04, 1.37)	-3.98 (-4.99, -2.95)	-1.31 (-3.14, 0.56)	0.67 (-4.80, 6.45)
USA-Black*	-2.14 (-3.12, -1.14)	-2.73 (-6.46, 1.15)	1.16 (0.33, 1.99)	-0.11 (-1.53, 1.33)	0.76 (-1.26, 2.82)	-4.55 (-6.38, -2.68)	-4.27 (-7.65, -0.76)
USA-White*	-5.52 (-6.36, -4.66)	-2.88 (-4.40, -1.33)	1.26 (0.97, 1.56)	0.27 (-0.27, 0.81)	1.12 (-0.29, 2.56)	-2.63 (-3.22, -2.03)	-0.59 (-1.46, 0.30)
Asia							
Bahrain*	—	—	-0.53 (-6.34, 5.63)	2.56 (-2.75, 8.16)	-1.95 (-5.40, 1.62)	-3.75 (-5.22, -2.25)	—
China*	—	-7.55 (-10.63, -4.36)	-0.53 (-1.77, 0.72)	-1.60 (-2.08, -1.12)	-2.73 (-3.46, -2.00)	-2.08 (-3.62, -0.52)	-5.87 (-11.61, 0.24)
India*	—	-4.46 (-11.14, 2.73)	0.51 (-1.65, 2.73)	6.78 (4.18, 9.44)	0.42 (-4.49, 5.58)	-1.17 (-5.36, 3.21)	8.17 (-3.05, 20.70)
Israel	-2.30 (-9.21, 5.13)	2.24 (-4.10, 9.00)	-2.12 (-3.74, -0.47)	-1.87 (-5.53, 1.93)	0.16 (-8.01, 9.04)	-4.21 (-8.37, 0.14)	-2.61 (-3.84, -1.35)
Japan*	4.00 (-38.82, 76.80)	-3.02 (-9.18, 3.56)	1.72 (0.06, 3.41)	3.80 (1.32, 6.35)	-3.17 (-5.15, -1.15)	0.98 (-0.78, 2.76)	0.28 (-7.41, 8.62)
Kuwait*	—	—	4.06 (-2.73, 11.32)	-3.10 (-11.12, 5.63)	-7.47 (-13.82, -0.64)	-2.06 (-7.69, 3.92)	—
Philippines*	-3.97 (-5.19, -2.73)	-1.08 (-6.77, 4.97)	-0.68 (-2.76, 1.45)	-2.78 (-5.30, -0.19)	-7.17 (-8.62, -5.70)	-0.53 (-3.27, 2.29)	1.24 (-3.49, 6.21)
Republic of Korea*	11.38 (2.90, 20.55)	-1.40 (-9.29, 7.17)	1.16 (-0.27, 2.61)	2.95 (0.89, 5.05)	-3.67 (-4.76, -2.56)	-2.71 (-4.52, -0.86)	2.40 (-2.87, 7.95)
Thailand*	8.52 (0.93, 16.67)	-3.17 (-9.07, 3.12)	2.23 (-0.34, 4.86)	3.08 (-0.24, 6.51)	0.52 (-0.54, 1.59)	0.84 (-2.11, 3.89)	-1.89 (-11.16, 8.35)
Turkey*	3.10 (-4.55, 11.37)	-8.95 (-16.19, -1.08)	2.01 (0.45, 3.61)	0.95 (-2.56, 4.57)	-2.47 (-8.97, 4.49)	-6.09 (-7.94, -4.21)	6.38 (1.73, 11.24)
Europe							
Austria	—	-10.92 (-16.24, -5.27)	0.49 (-1.55, 2.57)	-1.94 (-5.31, 1.55)	2.00 (-4.84, 9.34)	-1.16 (-2.84, 0.56)	3.30 (1.07, 5.57)
Belarus	—	-2.57 (-7.86, 3.03)	-3.56 (-5.22, -1.88)	0.91 (-1.72, 3.61)	0.97 (-4.87, 7.16)	-2.47 (-4.68, -0.21)	3.83 (0.72, 7.05)
Bulgaria	—	-11.56 (-15.87, -7.03)	-0.13 (-2.45, 2.24)	0.65 (-1.05, 2.38)	-0.29 (-4.33, 3.93)	-4.48 (-6.89, -2.00)	1.49 (-2.37, 5.49)
Croatia	—	-8.00 (-13.05, -2.66)	-4.42 (-8.18, -0.50)	-3.33 (-6.62, 0.08)	-3.78 (-9.11, 1.87)	-8.40 (-11.46, -5.23)	3.51 (0.59, 6.52)
Cyprus	-7.65 (-9.90, -5.33)	—	-0.28 (-4.35, 3.95)	1.38 (-6.20, 9.58)	-4.80 (-10.69, 1.48)	7.16 (1.42, 13.22)	7.33 (1.43, 13.57)
Czech Republic	1.17 (-6.24, 9.17)	-0.72 (-7.23, 6.25)	3.37 (0.54, 6.27)	-2.10 (-6.01, 1.97)	-1.69 (-6.37, 3.22)	-7.56 (-10.37, -4.65)	2.39 (1.30, 3.50)
Denmark	-7.84 (-14.75, -0.38)	1.36 (-3.66, 6.65)	0.62 (-1.57, 2.87)	-1.08 (-5.54, 3.58)	2.11 (-6.11, 11.05)	0.42 (-3.82, 4.85)	7.79 (5.40, 10.23)
Estonia	—	-4.50 (-14.31, 6.44)	0.79 (-7.80, 10.20)	3.21 (-2.86, 9.65)	-2.37 (-9.02, 4.76)	-5.74 (-11.05, -0.12)	6.64 (0.46, 13.21)
France*	-12.66 (-17.80, -7.19)	-8.57 (-13.78, -3.04)	-1.29 (-2.80, 0.24)	-4.90 (-7.05, -2.70)	1.08 (-6.28, 9.01)	0.02 (-1.52, 1.58)	3.95 (2.08, 5.86)
Germany*	1.25 (-5.66, 8.66)	-5.40 (-12.68, 2.48)	-0.92 (-4.78, 3.09)	-2.53 (-7.95, 3.20)	3.41 (-5.26, 12.87)	-1.43 (-6.73, 4.17)	-2.19 (-4.41, 0.07)
Iceland	—	—	-1.69 (-8.08, 5.15)	3.03 (-3.65, 10.18)	—	2.00 (-2.48, 6.69)	-5.19 (-13.60, 4.04)
Ireland	4.62 (-1.85, 11.52)	-4.53 (-11.78, 3.32)	-1.92 (-4.53, 0.76)	2.45 (-1.30, 6.33)	7.94 (0.42, 16.02)	2.15 (-4.09, 8.80)	0.87 (-0.75, 2.52)
Italy*	-0.96 (-7.53, 6.09)	-3.12 (-9.95, 4.22)	-0.17 (-3.03, 2.78)	5.12 (1.30, 9.08)	4.70 (-1.56, 11.37)	-1.09 (-4.70, 2.66)	2.91 (1.19, 4.66)
Lithuania	—	2.04 (-5.35, 10.00)	-0.68 (-4.39, 3.18)	-0.10 (-5.13, 5.20)	3.70 (-1.91, 9.64)	-2.83 (-7.63, 2.21)	2.32 (-0.18, 4.89)
Malta	1.43 (-1.19, 4.11)	—	-1.07 (-8.87, 7.38)	-4.76 (-9.66, 0.40)	—	-4.14 (-13.49, 6.21)	6.83 (1.26, 12.70)
Netherlands	—	-8.57 (-14.25, -2.50)	0.96 (-0.34, 2.27)	1.05 (-1.28, 3.43)	2.62 (-0.15, 5.46)	0.94 (-0.78, 2.69)	2.48 (1.89, 3.09)
Norway	9.47 (0.73, 18.97)	-0.97 (-5.33, 3.60)	0.85 (-2.38, 4.18)	0.46 (-4.34, 5.51)	1.01 (-5.36, 7.81)	0.85 (-2.33, 4.13)	-0.16 (-1.93, 1.64)
Poland*	—	-5.19 (-11.12, 1.14)	1.55 (-3.52, 6.90)	0.83 (-6.96, 9.27)	1.81 (-9.95, 15.09)	-5.60 (-12.47, 1.82)	0.72 (-3.14, 4.74)
Slovenia	—	-9.91 (-15.20, -4.30)	-1.21 (-5.57, 3.37)	-1.69 (-7.21, 4.16)	-3.16 (-20.36, 17.74)	-7.79 (-13.74, -1.44)	4.07 (1.40, 6.81)
Spain*	-3.78 (-9.20, 1.97)	-8.89 (-15.07, -2.26)	0.74 (-2.66, 4.26)	-5.17 (-8.01, -2.25)	4.74 (-5.72, 16.37)	-7.28 (-11.67, -2.67)	3.10 (0.04, 6.25)
Switzerland*	-1.59 (-8.95, 6.37)	-3.75 (-7.98, 0.68)	0.80 (-2.63, 4.34)	2.93 (0.10, 5.85)	-0.75 (-6.77, 5.66)	1.50 (-5.49, 9.01)	-0.65 (-2.92, 1.67)
United Kingdom*	1.75 (-0.53, 4.09)	0.33 (-2.86, 3.63)	0.48 (-0.46, 1.43)	2.60 (1.77, 3.44)	1.69 (-1.74, 5.25)	1.00 (-0.52, 2.54)	2.39 (1.52, 3.26)
Oceania							
Australia	-6.16 (-9.44, -2.76)	-2.52 (-9.73, 5.28)	0.01 (-1.02, 1.05)	-2.08 (-3.23, -0.91)	1.00 (-2.07, 4.16)	-0.39 (-1.74, 0.99)	-2.78 (-3.52, -2.04)
New Zealand	1.02 (-7.30, 10.08)	9.34 (0.19, 19.33)	-0.62 (-3.00, 1.82)	1.26 (-0.89, 3.45)	-0.91 (-8.37, 7.16)	0.43 (-3.28, 4.28)	-2.66 (-4.11, -1.19)

Country	Multiple myeloma and immunoproliferative diseases	Non-Hodgkin lymphoma	Oesophagus	Pancreas	Prostate	Stomach
Africa						
Uganda*	-13.35 (-19.08, -7.21)	4.89 (-1.44, 11.62)	-3.72 (-9.66, 2.62)	2.43 (-6.03, 11.66)	0.54 (-13.01, 16.19)	-1.86 (-10.09, 7.12)
South America						
Brazil*	-6.25 (-11.68, -0.48)	4.14 (-1.72, 10.34)	-7.68 (-18.06, 4.01)	1.52 (-3.90, 7.23)	0.56 (-7.12, 8.88)	0.10 (-8.31, 9.27)
Chile*	—	1.31 (-5.74, 8.89)	-1.07 (-8.90, 7.44)	—	—	1.74 (-4.44, 8.31)
Colombia*	-0.19 (-7.36, 7.55)	0.42 (-3.16, 4.13)	-5.67 (-10.42, -0.68)	-3.40 (-10.22, 3.95)	-2.90 (-12.17, 7.34)	-2.49 (-6.00, 1.16)
Ecuador*	-7.48 (-14.19, -0.24)	1.22 (-1.98, 4.51)	—	3.65 (-7.29, 15.89)	-1.57 (-5.32, 2.34)	2.05 (-3.01, 7.38)
North America						
Canada*	-1.81 (-5.66, 2.20)	-1.34 (-1.83, -0.85)	-0.21 (-4.65, 4.44)	4.71 (0.17, 9.45)	2.05 (-5.22, 9.87)	1.29 (-0.99, 3.62)
United States of America*	1.44 (0.49, 2.40)	-0.74 (-0.99, -0.49)	0.26 (-1.07, 1.60)	1.55 (0.69, 2.42)	2.67 (0.40, 4.99)	0.40 (-0.28, 1.09)
USA-American, Indian, Alaskan Native*	-4.11 (-10.86, 3.16)	-0.89 (-4.15, 2.49)	-0.72 (-4.90, 3.64)	-1.62 (-8.62, 5.91)	—	0.14 (-6.08, 6.77)
USA-Asian-Pacific Islander*	2.74 (-3.11, 8.94)	-0.87 (-2.28, 0.56)	-4.54 (-8.83, -0.04)	3.30 (-1.54, 8.37)	1.48 (-8.04, 12.00)	-1.04 (-2.70, 0.65)
USA-Black*	1.20 (-1.58, 4.06)	-1.51 (-2.05, -0.96)	-4.20 (-7.36, -0.94)	-0.08 (-2.55, 2.45)	5.72 (3.48, 8.01)	-1.99 (-3.67, -0.27)
USA-White*	1.45 (0.76, 2.15)	-0.60 (-0.86, -0.33)	0.98 (-0.46, 2.45)	1.79 (0.66, 2.93)	1.59 (-0.73, 3.96)	0.98 (0.14, 1.82)
Asia						
Bahrain*	—	-0.19 (-6.76, 6.84)	—	—	—	-3.68 (-5.48, -1.85)
China*	-0.55 (-7.85, 7.32)	0.79 (-0.47, 2.07)	-2.19 (-6.11, 1.89)	-0.29 (-4.11, 3.68)	2.94 (-2.48, 8.67)	-3.23 (-4.74, -1.70)
India*	3.92 (-2.47, 10.74)	-0.68 (-3.49, 2.20)	4.59 (-2.18, 11.82)	1.78 (-4.85, 8.88)	2.40 (-4.60, 9.91)	0.11 (-1.98, 2.24)
Israel*	1.95 (-4.33, 8.65)	-0.33 (-1.67, 1.03)	-7.76 (-13.34, -1.82)	-1.89 (-6.63, 3.10)	-2.13 (-9.38, 5.72)	-2.13 (-6.31, 2.24)
Japan*	-3.27 (-9.25, 3.10)	3.56 (0.13, 7.11)	5.53 (-1.15, 12.67)	0.61 (-4.48, 5.96)	1.80 (-4.84, 8.90)	-4.34 (-5.87, -2.78)
Kuwait*	-5.05 (-18.21, 10.22)	-2.33 (-7.77, 3.43)	-4.02 (-5.09, -2.93)	-3.10 (-6.81, 0.75)	—	8.30 (-5.08, 23.56)
Philippines*	-0.80 (-10.35, 9.76)	-2.36 (-4.11, -0.58)	-4.97 (-11.88, 2.47)	0.80 (-6.17, 8.28)	-6.89 (-12.41, -1.01)	-8.27 (-11.52, -4.90)
Republic of Korea*	2.75 (-1.21, 6.86)	3.19 (2.01, 4.39)	-3.65 (-9.43, 2.49)	0.63 (-2.31, 3.66)	2.92 (-3.36, 9.62)	-3.13 (-4.06, -2.20)
Thailand*	-3.82 (-11.32, 4.31)	0.21 (-2.01, 2.48)	5.50 (-0.21, 11.53)	2.91 (-4.63, 11.05)	—	-2.69 (-7.26, 2.12)
Turkey*	-6.36 (-11.96, -0.40)	1.63 (-0.42, 3.72)	-3.41 (-12.47, 6.60)	-1.56 (-5.59, 2.65)	-1.66 (-6.05, 2.94)	0.35 (-3.57, 4.43)
Europe						
Austria	0.78 (-5.50, 7.47)	-0.37 (-2.52, 1.83)	3.10 (-5.67, 12.67)	3.13 (-1.49, 7.95)	-1.48 (-10.23, 8.12)	-4.95 (-8.45, -1.32)
Belarus	2.61 (-1.18, 6.54)	2.38 (0.10, 4.71)	3.71 (-2.79, 10.65)	-1.43 (-5.22, 2.50)	4.05 (0.54, 7.68)	-0.16 (-2.05, 1.77)
Bulgaria	-2.31 (-10.66, 6.82)	4.17 (1.90, 6.50)	5.78 (0.71, 11.11)	-4.00 (-7.20, -0.69)	0.14 (-4.86, 5.40)	-2.93 (-7.10, 1.43)
Croatia	-2.72 (-10.09, 5.26)	1.32 (-2.21, 4.98)	2.18 (-4.95, 9.84)	-4.46 (-12.32, 4.10)	-2.93 (-16.78, 13.21)	-3.64 (-7.38, 0.24)
Cyprus	—	1.30 (-5.58, 8.69)	—	8.47 (6.02, 10.98)	—	3.94 (-1.00, 9.14)
Czech Republic	3.99 (-1.97, 10.31)	2.73 (1.77, 3.70)	0.80 (-5.76, 7.81)	1.15 (-2.72, 5.17)	3.10 (-3.31, 9.93)	-3.77 (-6.99, -0.43)
Denmark	3.00 (-3.97, 10.48)	0.93 (-0.98, 2.88)	4.03 (-4.55, 13.37)	3.26 (-2.86, 9.76)	2.37 (-16.99, 26.23)	-5.76 (-10.55, -0.71)
Estonia	0.60 (-4.81, 6.33)	7.58 (1.64, 13.87)	0.08 (-0.45, 0.61)	-3.77 (-9.60, 2.44)	—	-1.17 (-9.09, 7.44)
France*	3.47 (0.51, 6.52)	-2.59 (-4.19, -0.97)	-1.30 (-9.22, 7.31)	4.85 (-0.29, 10.25)	-0.44 (-8.64, 8.50)	-2.01 (-5.97, 2.13)
Germany*	1.70 (-5.96, 9.99)	-1.64 (-4.87, 1.70)	-3.62 (-9.77, 2.95)	9.15 (3.02, 15.65)	0.27 (-7.79, 9.04)	2.71 (-2.47, 8.17)
Iceland	—	-6.30 (-13.52, 1.51)	—	—	—	-5.06 (-13.64, 4.37)
Ireland	-2.39 (-9.30, 5.05)	0.17 (-2.11, 2.50)	-2.09 (-7.03, 3.12)	0.67 (-3.72, 5.26)	1.26 (-3.30, 6.05)	-2.39 (-6.76, 2.18)
Italy*	-5.49 (-13.40, 3.14)	-0.82 (-2.86, 1.25)	-1.38 (-9.75, 7.76)	2.79 (-1.54, 7.31)	—	-6.42 (-11.48, -1.08)
Lithuania	5.51 (-2.39, 14.06)	1.10 (-1.89, 4.17)	6.12 (-0.27, 12.92)	-2.44 (-8.92, 4.51)	-3.40 (-22.36, 20.21)	0.24 (-4.35, 5.05)
Malta	—	1.49 (-5.44, 8.92)	—	—	—	1.71 (-6.83, 11.03)
Netherlands	-1.64 (-6.30, 3.25)	2.48 (1.35, 3.62)	2.31 (-0.55, 5.26)	5.37 (-0.58, 11.67)	0.39 (-8.11, 9.67)	-0.36 (-3.52, 2.90)
Norway	0.80 (-6.39, 8.55)	-0.78 (-2.62, 1.09)	1.33 (-7.02, 10.43)	0.13 (-6.37, 7.09)	-4.48 (-11.47, 3.06)	2.63 (-2.14, 7.64)
Poland*	-1.65 (-6.72, 3.70)	6.29 (-0.32, 13.32)	-0.44 (-3.58, 2.79)	-2.08 (-7.33, 3.47)	—	4.07 (-3.43, 12.16)
Slovenia	1.61 (-3.52, 7.01)	-0.82 (-4.23, 2.72)	-2.65 (-10.13, 5.45)	-2.72 (-10.26, 5.45)	—	3.69 (-4.44, 12.52)
Spain*	0.68 (-6.64, 8.57)	-3.04 (-5.37, -0.66)	-7.57 (-14.91, 0.41)	-2.12 (-8.49, 4.70)	0.70 (-1.58, 3.04)	-3.20 (-6.50, 0.21)
Switzerland*	1.54 (-4.31, 7.75)	0.60 (-2.84, 4.16)	3.37 (-6.18, 13.89)	0.48 (-6.09, 7.52)	-2.64 (-15.00, 11.52)	-3.05 (-9.53, 3.89)
United Kingdom*	4.44 (1.23, 7.76)	0.73 (0.09, 1.37)	0.26 (-1.58, 2.12)	1.15 (-1.62, 4.00)	2.39 (-2.28, 7.28)	0.03 (-1.87, 1.96)
Oceania						
Australia	-0.65 (-4.15, 2.99)	-0.25 (-1.24, 0.76)	-0.73 (-5.93, 4.76)	3.91 (0.95, 6.95)	17.33 (12.58, 22.28)	-1.69 (-4.03, 0.71)
New Zealand	1.12 (-5.49, 8.19)	-0.38 (-2.74, 2.03)	1.74 (-5.77, 9.86)	-0.12 (-7.67, 8.06)	-1.21 (-8.45, 6.60)	-0.01 (-4.26, 4.43)

*Sub-National

†An em-dash (—) denotes that too few cancer cases were observed to calculate the AAPC

Supplementary Table 9: Annual average percentage change (AAPC) for cancers occurring among 15-39 year old females during the period of 1998-2012 for each country, for cancers of the bladder, bone, brain (central nervous system), connective and soft tissue, corpus uteri, eye, gallbladder and extrahepatic ducts, Hodgkin lymphoma, Kaposi sarcoma, larynx, leukaemia, lip (oral cavity and pharynx), liver and intrahepatic bile ducts, and lung (incl. trachea), melanoma of skin, multiple myeloma and immunoproliferative diseases, Non-Hodgkin lymphoma, oesophagus, ovary, pancreas, and stomach.[†]

Country	Bladder	Bone	Brain, central nervous system	Connective and soft tissue	Corpus uteri	Eye	Gallbladder and extrahepatic ducts
Africa							
Uganda*	-0.88 (-11.82, 11.41)	5.82 (1.16, 10.68)	-2.45 (-9.75, 5.45)	1.11 (-5.62, 8.32)	7.68 (0.04, 15.92)	0.80 (-3.40, 5.18)	—
South America							
Brazil*	-4.38 (-8.69, 0.14)	3.98 (-2.88, 11.33)	-4.32 (-7.66, -0.87)	-6.38 (-13.02, 0.78)	1.06 (-5.77, 8.38)	4.12 (-3.74, 12.63)	0.89 (-2.44, 4.33)
Chile*	—	0.76 (-6.30, 8.34)	-2.12 (-7.34, 3.40)	2.08 (-1.58, 5.88)	4.34 (-12.05, 23.78)	—	-3.02 (-8.46, 2.75)
Colombia*	1.82 (-2.63, 6.48)	0.40 (-5.16, 6.29)	-2.73 (-6.86, 1.58)	2.11 (-3.26, 7.79)	2.52 (-3.57, 9.00)	-1.35 (-2.43, -0.26)	-0.74 (-6.77, 5.68)
Ecuador*	-2.93 (-8.94, 3.49)	-3.59 (-10.98, 4.42)	2.13 (-0.95, 5.31)	-0.90 (-6.07, 4.57)	5.51 (-2.38, 14.04)	-2.65 (-8.23, 3.28)	1.30 (-2.46, 5.21)
North America							
Canada*	0.42 (-2.19, 3.10)	1.19 (-1.15, 3.57)	0.58 (-0.75, 1.93)	0.00 (-2.10, 2.16)	2.69 (1.43, 3.96)	5.33 (0.35, 10.55)	6.63 (2.61, 10.82)
United States of America*	-2.49 (-3.19, -1.78)	-0.23 (-1.11, 0.67)	-0.09 (-0.47, 0.28)	0.23 (-0.48, 0.94)	3.12 (2.86, 3.39)	0.38 (-0.97, 1.76)	3.00 (0.60, 5.45)
USA-American, Indian, Alaskan Native*	-6.88 (-13.95, 0.78)	-5.35 (-11.65, 1.39)	-1.27 (-4.91, 2.51)	2.09 (-2.08, 6.43)	3.21 (-0.06, 6.59)	—	31.59 (15.68, 49.69)
USA-Asian-Pacific Islander*	-0.88 (-5.32, 3.77)	2.74 (-0.30, 5.87)	0.49 (-1.80, 2.83)	1.48 (-1.26, 4.30)	2.89 (1.78, 4.02)	-5.09 (-12.95, 3.48)	-1.37 (-6.37, 3.89)
USA-Black*	-2.89 (-5.12, -0.60)	0.10 (-1.70, 1.93)	1.56 (0.64, 2.48)	0.18 (-0.78, 1.15)	3.70 (2.32, 5.11)	1.26 (-5.41, 8.39)	0.87 (-3.04, 4.94)
USA-White*	-2.43 (-3.08, -1.78)	-0.29 (-1.28, 0.72)	-0.16 (-0.57, 0.25)	0.24 (-0.60, 1.09)	3.18 (2.86, 3.50)	0.56 (-0.89, 2.03)	3.87 (1.00, 6.83)
Asia							
Bahrain*	—	-5.65 (-12.10, 1.28)	0.90 (-7.61, 10.20)	4.36 (-22.83, 41.11)	-2.68 (-10.96, 6.36)	—	—
China*	-6.29 (-13.03, 0.96)	1.49 (-1.52, 4.59)	-1.77 (-2.90, -0.62)	-2.34 (-5.15, 0.56)	4.80 (2.72, 6.92)	3.10 (-4.02, 10.74)	-5.20 (-10.13, 0.00)
India*	-0.21 (-4.04, 3.76)	0.10 (-6.29, 6.92)	0.21 (-2.29, 2.78)	0.67 (-5.07, 6.75)	2.75 (-5.52, 11.73)	-1.47 (-9.14, 6.86)	-0.98 (-8.62, 7.30)
Israel	-5.51 (-11.03, 0.34)	-3.56 (-8.10, 1.21)	0.44 (-1.79, 2.72)	-2.10 (-5.95, 1.92)	2.93 (-1.33, 7.38)	-1.87 (-8.68, 5.44)	1.91 (-4.92, 9.24)
Japan*	9.30 (2.06, 17.05)	6.02 (-0.14, 12.56)	1.54 (-2.11, 5.32)	3.69 (1.06, 6.39)	9.90 (6.58, 13.32)	—	-8.71 (-14.15, -2.93)
Kuwait*	—	-4.81 (-11.92, 2.87)	1.07 (-4.75, 7.24)	10.05 (4.45, 15.95)	-3.07 (-7.77, 1.87)	—	—
Philippines*	-2.86 (-8.58, 3.23)	-1.78 (-6.65, 3.35)	-4.18 (-7.57, -0.68)	-4.15 (-7.15, -1.05)	-0.83 (-3.96, 2.41)	—	-3.06 (-8.90, 3.16)
Republic of Korea*	-1.77 (-6.32, 3.00)	-0.09 (-3.12, 3.03)	0.86 (-0.66, 2.39)	4.90 (2.00, 7.88)	9.09 (7.29, 10.92)	7.48 (-0.11, 15.64)	-6.37 (-11.08, -1.41)
Thailand*	-1.06 (-10.07, 8.86)	-2.30 (-7.46, 3.15)	1.18 (-2.23, 4.71)	0.53 (-5.56, 7.00)	1.46 (-3.83, 7.04)	1.42 (-8.33, 12.20)	0.55 (-6.44, 8.07)
Turkey*	10.87 (6.87, 15.02)	4.80 (-1.48, 11.48)	2.37 (0.15, 4.64)	1.75 (-2.46, 6.15)	4.37 (1.54, 7.28)	-3.21 (-12.58, 7.17)	2.19 (-4.20, 9.01)
Europe							
Austria	-7.00 (-12.46, -1.19)	4.06 (-0.24, 8.54)	0.00 (-2.56, 2.64)	0.36 (-3.21, 4.07)	4.81 (1.22, 8.52)	1.75 (-6.97, 11.30)	3.76 (-4.62, 12.89)
Belarus	2.22 (-2.82, 7.52)	2.01 (-1.79, 5.96)	1.24 (-0.32, 2.83)	0.09 (-2.99, 3.27)	2.88 (0.47, 5.35)	-8.66 (-15.07, -1.75)	-2.25 (-6.83, 2.55)
Bulgaria	9.96 (4.01, 16.25)	-1.05 (-5.92, 4.07)	-1.27 (-3.11, 0.61)	3.71 (0.62, 6.90)	1.83 (-0.34, 4.05)	4.12 (-3.27, 12.07)	-4.34 (-7.96, -0.58)
Croatia	3.78 (-0.08, 7.78)	2.17 (-3.62, 8.32)	-2.73 (-5.15, -0.23)	12.45 (6.59, 18.63)	3.29 (-1.77, 8.62)	2.07 (-3.35, 7.80)	-10.53 (-15.59, -5.17)
Cyprus	-2.40 (-7.19, 2.64)	-0.07 (-9.12, 9.87)	-1.13 (-8.10, 6.36)	2.13 (-4.94, 9.73)	1.01 (-6.56, 9.18)	—	—
Czech Republic	0.44 (-4.02, 5.12)	2.84 (-1.65, 7.54)	-0.99 (-2.84, 0.89)	-1.09 (-4.41, 2.35)	-0.97 (-3.16, 1.28)	-3.29 (-7.65, 1.28)	-9.97 (-17.00, -2.35)
Denmark	-7.35 (-14.72, 0.65)	-2.99 (-9.19, 3.64)	-1.54 (-3.69, 0.67)	8.13 (4.10, 12.32)	-3.68 (-9.81, 2.87)	2.93 (-6.38, 13.17)	0.78 (-3.23, 4.96)
Estonia	-1.77 (-15.50, 14.20)	2.19 (-3.82, 8.58)	-2.86 (-6.83, 1.27)	-1.85 (-6.53, 3.07)	1.28 (-4.47, 7.38)	—	—
France*	0.54 (-5.32, 6.75)	-1.75 (-5.12, 1.74)	0.19 (-1.34, 1.75)	-1.81 (-5.63, 2.15)	-2.67 (-8.40, 3.41)	2.08 (-3.75, 8.27)	-3.18 (-11.25, 5.64)
Germany*	2.59 (-5.42, 11.28)	-0.82 (-8.53, 7.53)	-0.91 (-3.20, 1.43)	-1.17 (-7.44, 5.53)	5.9 (-0.97, 13.25)	-13.28 (-23.20, -2.08)	5.79 (0.08, 11.81)
Iceland	-2.05 (-5.00, 0.99)	-1.19 (-5.48, 3.30)	-6.94 (-12.39, -1.16)	-2.55 (-15.57, 12.48)	-0.20 (-0.73, 0.33)	—	—
Ireland	3.02 (-4.38, 11.00)	-0.53 (-6.43, 5.75)	-0.93 (-3.93, 2.16)	-3.76 (-9.45, 2.29)	-2.11 (-6.79, 2.81)	-2.00 (-8.86, 5.38)	-0.60 (-7.54, 6.87)
Italy*	-0.72 (-5.79, 4.63)	-6.13 (-11.52, -0.42)	3.88 (0.40, 7.48)	1.91 (-5.56, 9.96)	2.82 (-2.09, 7.97)	-7.70 (-14.84, 0.04)	4.42 (-0.70, 9.81)
Lithuania	3.42 (-3.13, 10.41)	1.06 (-3.94, 6.32)	1.46 (-0.47, 3.42)	0.17 (-5.13, 5.77)	-0.19 (-4.17, 3.96)	11.09 (4.75, 17.81)	0.35 (-0.11, 0.82)
Malta	—	—	3.78 (-3.41, 11.51)	-0.98 (-10.02, 8.98)	-4.37 (-16.44, 9.44)	—	—
Netherlands	0.10 (-3.90, 4.27)	2.19 (-1.27, 5.77)	0.62 (-0.97, 2.23)	-2.45 (-4.85, 0.01)	-0.51 (-4.06, 3.18)	-0.71 (-6.29, 5.20)	2.41 (-2.51, 7.59)
Norway	-3.15 (-11.17, 5.59)	1.38 (-3.28, 6.27)	-1.23 (-4.13, 1.76)	-0.67 (-6.06, 5.02)	6.96 (-1.20, 15.79)	3.88 (-4.71, 13.24)	4.68 (-1.56, 11.31)
Poland*	-2.26 (-5.82, 1.44)	-1.61 (-7.84, 5.03)	-2.49 (-6.39, 1.57)	-4.17 (-11.84, 4.17)	0.94 (-4.43, 6.62)	-0.89 (-4.00, 2.32)	-0.78 (-3.58, 2.11)
Slovenia	-2.33 (-6.83, 2.40)	4.74 (-0.42, 10.17)	2.20 (-3.64, 8.40)	0.64 (-9.04, 8.54)	1.97 (-7.02, 11.83)	2.70 (-4.48, 10.42)	—
Spain*	-0.64 (-6.88, 6.02)	-3.31 (-7.58, 1.17)	-3.38 (-5.63, -1.08)	-5.73 (-9.27, -2.05)	1.66 (-2.20, 5.67)	-1.86 (-11.63, 8.99)	0.05 (-7.01, 7.65)
Switzerland*	6.15 (-2.95, 16.11)	-0.84 (-8.59, 7.56)	-1.56 (-6.90, 4.07)	-2.54 (-7.24, 2.39)	-0.88 (-7.31, 5.99)	5.56 (-2.22, 13.96)	-5.08 (-9.77, -0.15)
United Kingdom*	-4.19 (-6.55, -1.76)	-0.03 (-1.75, 1.71)	-0.83 (-1.59, -0.05)	0.97 (-0.43, 2.39)	5.42 (4.07, 6.79)	1.13 (-1.90, 4.26)	1.55 (-3.77, 7.16)
Oceania							
Australia	-7.42 (-12.87, -1.63)	-2.50 (-4.87, -0.07)	0.84 (-0.73, 2.44)	1.35 (-0.64, 3.38)	4.28 (2.67, 5.92)	-5.71 (-10.28, -0.92)	-1.75 (-8.32, 5.29)
New Zealand	-8.42 (-16.01, -0.15)	1.02 (-4.15, 6.47)	0.43 (-3.28, 4.29)	-1.46 (-3.72, 0.85)	11.05 (9.05, 13.09)	-3.44 (-10.36, 4.01)	4.27 (-3.75, 12.95)

Country	Hodgkin lymphoma	Kaposi sarcoma	Larynx	Leukaemia	Lip, oral cavity and pharynx	Liver and intrahepatic bile ducts	Lung (incl. trachea)
Africa							
Uganda*	2.38 (-7.29, 13.06)	-4.43 (-6.27, -2.54)	-6.13 (-12.18, 0.33)	11.37 (6.67, 16.27)	-1.22 (-10.00, 8.41)	5.06 (-0.17, 10.57)	4.70 (-4.08, 14.28)
South America							
Brazil*	6.37 (-0.14, 13.30)	—	—	-5.37 (-13.00, 2.92)	-5.80 (-13.75, 2.87)	0.22 (-8.41, 9.67)	5.72 (-0.70, 12.55)
Chile*	-2.39 (-13.08, 9.61)	—	—	-0.15 (-7.54, 7.83)	—	—	—
Colombia*	3.50 (-2.55, 9.93)	-0.54 (-7.76, 7.25)	—	-0.36 (-2.67, 2.00)	1.75 (-2.64, 6.35)	-3.57 (-9.46, 2.69)	1.82 (-5.95, 10.22)
Ecuador*	0.44 (-6.62, 8.05)	—	—	-0.84 (-3.78, 2.19)	0.52 (-6.65, 8.23)	1.52 (-5.30, 8.84)	9.07 (-2.89, 22.50)
North America							
Canada*	-0.54 (-1.45, 0.38)	-4.62 (-9.48, 0.50)	5.31 (-1.84, 12.99)	0.50 (-0.82, 1.83)	-0.45 (-1.72, 0.83)	3.15 (-2.01, 8.58)	-3.47 (-5.42, -1.47)
United States of America*	-0.25 (-0.62, 0.11)	-6.47 (-9.15, -3.72)	-4.61 (-6.57, -2.62)	1.48 (1.09, 1.86)	0.69 (0.07, 1.32)	1.12 (0.12, 2.13)	-2.58 (-3.03, -2.12)
USA-American, Indian, Alaskan Native*	-0.73 (-5.49, 4.28)	—	—	-0.33 (-2.39, 1.77)	0.22 (-6.74, 7.70)	-6.27 (-10.49, -1.87)	-4.72 (-11.53, 2.61)
USA-Asian-Pacific Islander*	3.54 (0.87, 6.28)	—	3.99 (-8.22, 17.82)	1.19 (-0.61, 3.03)	-0.50 (-2.48, 1.53)	0.09 (-4.07, 4.44)	-0.85 (-3.17, 1.53)
USA-Black*	1.36 (0.63, 2.09)	-4.99 (-9.04, -0.75)	-9.18 (-15.53, -2.36)	0.98 (0.24, 1.72)	0.45 (-0.98, 1.89)	1.01 (-1.07, 3.13)	-4.60 (-5.94, -3.24)
USA-White*	-0.43 (-0.84, -0.01)	-11.09 (-16.33, -5.53)	-4.41 (-6.46, -2.32)	1.65 (1.22, 2.09)	0.91 (0.17, 1.66)	1.28 (0.18, 2.40)	-2.23 (-2.78, -1.67)
Asia							
Bahrain*	-3.29 (-8.41, 2.12)	—	—	-4.69 (-11.57, 2.72)	-3.11 (-7.95, 1.99)	-3.69 (-14.40, 8.36)	—
China*	4.26 (1.73, 6.85)	—	8.54 (-4.47, 23.31)	-1.10 (-2.38, 0.19)	-3.37 (-4.52, -2.21)	-2.20 (-4.02, -0.34)	-0.34 (-2.25, 1.61)
India*	-2.97 (-8.15, 2.51)	—	-1.37 (-7.94, 5.66)	3.60 (0.18, 7.14)	1.78 (-1.74, 5.43)	2.56 (-7.49, 13.70)	3.95 (-2.48, 10.79)
Israel	-0.93 (-2.07, 0.23)	-10.16 (-18.18, -1.35)	-0.79 (-6.91, 5.74)	-1.63 (-3.36, 0.14)	0.97 (-3.19, 5.31)	-4.41 (-9.59, 1.07)	-3.04 (-6.36, 0.40)
Japan*	10.89 (6.76, 15.18)	—	1.35 (-23.06, 33.49)	1.09 (-1.37, 3.61)	6.15 (3.55, 8.82)	1.43 (-1.54, 4.49)	3.00 (0.26, 5.82)
Kuwait*	7.25 (2.64, 12.07)	—	—	0.05 (-6.04, 6.54)	-4.50 (-10.05, 1.39)	—	-6.25 (-14.25, 2.50)
Philippines*	1.24 (-2.12, 4.71)	—	1.86 (-7.18, 11.79)	-2.12 (-3.85, -0.36)	-1.47 (-3.29, 0.38)	-4.00 (-6.39, -1.54)	-1.59 (-4.14, 1.03)
Republic of Korea*	7.79 (3.99, 11.73)	3.59 (-0.86, 8.24)	-6.37 (-13.27, 1.08)	-0.01 (-1.21, 1.21)	3.68 (2.18, 5.20)	-2.84 (-4.71, -0.93)	-0.02 (-1.71, 1.69)
Thailand*	10.00 (3.05, 17.41)	—	-4.28 (-9.79, 1.56)	0.10 (-2.19, 2.45)	0.77 (-1.59, 3.19)	-2.53 (-6.22, 1.31)	1.01 (-0.97, 3.03)
Turkey*	2.55 (-0.65, 5.85)	1.19 (-3.56, 6.17)	0.05 (-9.75, 10.91)	2.48 (0.03, 4.98)	1.87 (-1.00, 4.83)	0.29 (-6.48, 7.54)	0.90 (-3.18, 5.15)
Europe							
Austria	1.25 (-0.74, 3.29)	—	1.63 (-9.19, 13.73)	-0.64 (-2.58, 1.34)	0.31 (-2.86, 3.58)	-4.97 (-12.41, 3.09)	1.82 (-0.82, 4.53)
Belarus	0.59 (-0.83, 2.02)	—	1.18 (-3.29, 5.86)	0.46 (-1.47, 2.42)	-0.23 (-4.19, 3.91)	5.93 (0.87, 11.25)	1.57 (-0.41, 3.58)
Bulgaria	1.50 (-0.50, 3.53)	—	0.38 (-6.47, 7.74)	0.98 (-2.31, 4.39)	1.37 (-3.03, 5.98)	-2.46 (-9.47, 5.10)	0.40 (-2.30, 3.17)
Croatia	0.18 (-2.14, 2.55)	—	-2.22 (-3.89, -0.52)	-7.09 (-10.71, -3.31)	-4.11 (-10.88, 3.18)	-2.38 (-9.42, 5.20)	-1.92 (-7.97, 4.53)
Cyprus	0.61 (-2.67, 4.00)	—	—	-2.81 (-8.46, 3.18)	-3.14 (-10.02, 4.26)	-1.87 (-3.33, -0.40)	4.55 (-2.97, 12.65)
Czech Republic	-0.33 (-2.09, 1.45)	—	-4.64 (-9.91, 0.94)	0.86 (-1.76, 3.54)	1.79 (-2.14, 5.88)	-1.42 (-8.48, 6.20)	2.09 (-1.04, 5.33)
Denmark	1.84 (-0.78, 4.53)	-6.34 (-13.52, 1.43)	1.34 (-12.90, 17.90)	-1.75 (-4.26, 0.83)	-1.15 (-5.05, 2.91)	3.17 (-3.44, 10.24)	-2.82 (-7.17, 1.73)
Estonia	-0.59 (-3.57, 2.49)	—	2.77 (-6.93, 13.48)	-0.18 (-4.46, 4.30)	4.67 (-2.00, 11.80)	-2.79 (-10.21, 5.24)	-0.12 (-7.43, 7.76)
France*	1.89 (-0.95, 4.82)	6.89 (-2.78, 17.52)	-2.55 (-9.36, 4.78)	-1.46 (-4.06, 1.21)	1.24 (-3.11, 5.78)	-0.18 (-5.14, 5.04)	0.48 (-3.73, 4.87)
Germany*	-1.05 (-5.24, 3.33)	—	—	0.89 (-3.75, 5.75)	5.69 (-1.80, 13.75)	7.54 (-0.60, 16.34)	0.06 (-6.94, 7.59)
Iceland	6.64 (-5.11, 19.86)	—	—	1.52 (-4.55, 7.98)	-4.30 (-13.67, 6.09)	—	-3.96 (-10.57, 3.15)
Ireland	3.18 (0.29, 6.15)	2.84 (-6.99, 13.71)	-1.81 (-3.65, 0.06)	1.49 (-1.39, 4.46)	6.27 (1.26, 11.53)	6.23 (-0.37, 13.26)	1.17 (-3.72, 6.32)
Italy*	2.01 (-0.56, 4.65)	-4.97 (-11.32, 1.84)	-4.57 (-9.75, 0.91)	-1.72 (-5.67, 2.39)	1.51 (-4.18, 7.54)	-1.01 (-9.07, 7.77)	0.10 (-5.13, 5.61)
Lithuania	-1.87 (-4.43, 0.77)	—	—	2.56 (0.18, 5.00)	2.88 (-2.33, 8.37)	0.85 (-5.35, 7.47)	1.19 (-7.60, 10.83)
Malta	7.82 (1.79, 14.19)	—	—	1.30 (-3.71, 6.56)	4.77 (-1.88, 11.87)	—	-0.80 (-7.33, 6.20)
Netherlands	1.06 (-0.39, 2.53)	-0.52 (-7.65, 7.17)	-1.46 (-7.63, 5.11)	-0.12 (-2.17, 1.97)	2.19 (-0.42, 4.87)	3.01 (-1.80, 8.06)	-1.08 (-2.50, 0.36)
Norway	1.17 (-1.25, 3.65)	2.74 (0.10, 5.45)	-5.18 (-8.52, -1.71)	2.56 (-1.86, 7.19)	3.37 (-0.72, 7.63)	1.50 (-4.04, 7.35)	0.03 (-3.45, 3.63)
Poland*	-0.50 (-3.99, 3.11)	—	—	7.21 (0.09, 14.83)	4.62 (-1.24, 10.82)	2.75 (-0.41, 6.01)	-1.44 (-7.35, 4.84)
Slovenia	-1.42 (-3.96, 1.18)	—	—	-2.12 (-6.33, 2.28)	-4.33 (-11.36, 3.25)	-3.09 (-3.37, -2.80)	3.81 (-4.03, 12.28)
Spain*	1.27 (-0.68, 3.27)	-4.93 (-10.93, 1.48)	3.36 (-3.98, 11.25)	0.69 (-1.29, 2.71)	2.99 (-3.15, 9.51)	0.54 (-9.55, 11.76)	-4.88 (-8.27, -1.37)
Switzerland*	-0.67 (-4.15, 2.93)	-1.12 (-9.11, 7.57)	—	0.22 (-6.31, 7.21)	3.63 (-2.09, 9.69)	1.09 (-7.36, 10.33)	-1.88 (-8.52, 5.24)
United Kingdom*	1.17 (0.64, 1.70)	4.48 (-1.35, 10.64)	3.83 (-0.78, 8.65)	0.04 (-0.88, 0.98)	2.77 (1.79, 3.76)	4.62 (2.54, 6.75)	1.55 (-0.33, 3.47)
Oceania							
Australia	2.04 (0.92, 3.18)	—	-6.98 (-14.13, 0.77)	0.07 (-1.03, 1.17)	0.26 (-1.47, 2.03)	0.23 (-4.30, 4.98)	1.95 (0.10, 3.83)
New Zealand	0.91 (-1.84, 3.73)	—	—	1.79 (-0.55, 4.19)	-1.65 (-5.66, 2.53)	-0.57 (-5.03, 4.10)	0.30 (-3.43, 4.18)

Country	Melanoma of skin	Multiple myeloma and immunoproliferative diseases	Non-Hodgkin lymphoma	Oesophagus	Ovary	Pancreas	Stomach
Africa							
Uganda*	-2.32 (-9.14, 5.01)	-6.54 (-20.90, 10.42)	4.09 (-0.98, 9.42)	-4.05 (-11.22, 3.70)	2.56 (-4.78, 10.46)	1.21 (-34.16, 55.59)	-7.03 (-16.90, 4.01)
South America							
Brazil*	0.85 (-4.01, 5.97)	—	-2.69 (-6.53, 1.30)	—	0.60 (-4.47, 5.93)	2.15 (-5.82, 10.79)	-4.89 (-11.68, 2.41)
Chile*	-2.37 (-7.74, 3.31)	—	3.45 (-4.65, 12.23)	—	-4.21 (-10.90, 2.98)	—	-5.42 (-13.28, 3.15)
Colombia*	-1.57 (-5.82, 2.87)	3.74 (-2.65, 10.53)	-1.99 (-5.91, 2.09)	-3.50 (-9.64, 3.06)	-2.64 (-6.66, 1.55)	-1.20 (-8.11, 6.24)	0.46 (-2.79, 3.81)
Ecuador*	3.39 (-3.60, 10.88)	3.03 (-3.28, 9.75)	2.81 (-1.42, 7.22)	—	0.33 (-5.13, 6.10)	1.16 (-3.29, 5.82)	3.46 (0.65, 6.34)
North America							
Canada*	-0.31 (-1.21, 0.61)	-0.14 (-4.14, 4.02)	-1.22 (-2.06, -0.37)	0.42 (-6.23, 7.55)	0.96 (-0.31, 2.25)	2.18 (-0.63, 5.08)	1.70 (-0.89, 4.36)
United States of America*	0.73 (-0.46, 1.93)	1.91 (0.70, 3.14)	0.06 (-0.27, 0.40)	-0.35 (-3.27, 2.66)	-0.15 (-0.56, 0.27)	3.30 (2.36, 4.26)	2.47 (1.92, 3.03)
USA-American, Indian, Alaskan Native*	1.43 (-4.03, 7.21)	-8.27 (-15.62, -0.28)	-1.25 (-5.57, 3.26)	2.93 (-2.57, 8.74)	-0.25 (-4.96, 4.69)	-1.45 (-6.81, 4.21)	-4.77 (-11.03, 1.94)
USA-Asian-Pacific Islander*	-1.02 (-3.73, 1.76)	3.75 (-2.89, 10.83)	0.78 (-0.35, 1.91)	2.28 (-9.14, 15.13)	-0.24 (-1.71, 1.25)	-1.97 (-7.22, 3.58)	-0.55 (-3.12, 2.10)
USA-Black*	-1.34 (-4.25, 1.65)	2.30 (0.42, 4.20)	-0.49 (-1.45, 0.49)	-3.83 (-8.90, 1.53)	0.42 (-0.96, 1.83)	3.57 (0.36, 6.88)	1.04 (-0.13, 2.22)
USA-White*	1.01 (-0.19, 2.21)	1.53 (-0.00, 3.09)	0.12 (-0.19, 0.43)	0.69 (-2.74, 4.24)	-0.12 (-0.51, 0.28)	3.69 (2.76, 4.62)	3.13 (2.39, 3.87)
Asia							
Bahrain*	—	—	-1.86 (-8.61, 5.39)	—	1.22 (-4.79, 7.62)	—	3.65 (-2.31, 9.98)
China*	2.79 (-3.78, 9.80)	-5.74 (-10.71, -0.50)	0.93 (-0.77, 2.67)	-2.70 (-10.07, 5.28)	3.89 (-0.17, 8.12)	-5.67 (-9.61, -1.56)	-1.91 (-3.78, -0.00)
India*	-2.43 (-13.01, 9.44)	-3.01 (-10.86, 5.54)	-1.18 (-4.58, 2.35)	-2.67 (-9.17, 4.30)	2.57 (-0.08, 5.30)	-3.87 (-10.37, 3.11)	-0.53 (-4.15, 3.23)
Israel	-2.13 (-3.28, -0.98)	-9.62 (-14.45, -4.51)	-0.82 (-2.44, 0.82)	-5.14 (-12.21, 2.50)	-1.73 (-3.40, -0.03)	-0.35 (-7.22, 7.03)	-2.67 (-6.56, 1.39)
Japan*	-0.57 (-5.96, 5.14)	-6.48 (-10.91, -1.84)	2.43 (0.21, 4.70)	2.78 (-6.22, 12.64)	4.22 (2.36, 6.11)	7.55 (3.03, 12.27)	-4.49 (-5.98, -2.98)
Kuwait*	—	—	1.32 (-6.65, 9.97)	—	-4.66 (-10.23, 1.26)	—	-7.09 (-13.67, 0.01)
Philippines*	5.43 (-2.17, 13.61)	-3.01 (-8.52, 2.82)	-0.59 (-3.94, 2.88)	2.08 (-5.19, 9.91)	0.10 (-1.75, 1.98)	-7.42 (-14.15, -0.16)	-1.86 (-7.25, 3.85)
Republic of Korea*	0.54 (-3.06, 4.27)	1.36 (-4.64, 7.73)	5.11 (4.00, 6.24)	-5.54 (-11.75, 1.10)	1.88 (0.70, 3.08)	0.41 (-4.28, 5.33)	-1.78 (-2.57, -0.98)
Thailand*	4.14 (-2.76, 11.52)	11.81 (5.26, 18.76)	2.17 (0.40, 3.98)	1.30 (-4.92, 7.92)	-1.02 (-3.04, 1.04)	3.90 (-5.35, 14.05)	1.31 (-2.15, 4.90)
Turkey*	4.86 (-2.74, 13.05)	1.93 (-3.67, 7.85)	0.40 (-1.21, 2.02)	7.96 (1.18, 15.20)	2.80 (0.76, 4.89)	7.27 (-1.32, 16.62)	2.68 (-0.27, 5.72)
Europe							
Austria	2.96 (1.52, 4.42)	1.05 (-5.55, 8.11)	0.68 (-2.39, 3.84)	2.36 (-8.47, 14.48)	-5.68 (-7.51, -3.81)	4.06 (-2.00, 10.49)	-3.07 (-5.82, -0.23)
Belarus	2.56 (0.77, 4.38)	6.86 (-1.02, 15.37)	3.62 (0.97, 6.33)	4.33 (-0.86, 9.79)	4.29 (2.44, 6.17)	-1.00 (-4.48, 2.61)	-1.51 (-2.82, -0.18)
Bulgaria	3.40 (-0.27, 7.22)	4.39 (-1.65, 10.80)	2.66 (0.44, 4.94)	-0.23 (-7.09, 7.13)	-0.48 (-2.36, 1.43)	6.46 (-0.60, 14.01)	-0.58 (-3.80, 2.76)
Croatia	0.16 (-2.21, 2.58)	-0.69 (-6.77, 5.78)	-3.07 (-6.12, 0.07)	-1.90 (-6.24, 2.65)	-1.39 (-4.57, 1.89)	-1.20 (-9.03, 7.30)	-5.89 (-9.36, -2.29)
Cyprus	-0.59 (-8.34, 7.82)	—	5.31 (-1.43, 12.52)	—	-0.53 (-6.44, 5.76)	—	-3.57 (-12.06, 5.75)
Czech Republic	2.38 (1.19, 3.58)	3.35 (-2.32, 9.35)	3.95 (1.76, 6.19)	1.27 (-3.52, 6.31)	-6.29 (-8.68, -3.84)	5.50 (0.49, 10.75)	-1.39 (-4.48, 1.81)
Denmark	7.33 (5.86, 8.82)	3.55 (-4.07, 11.77)	0.55 (-2.35, 3.54)	-3.04 (-7.94, 2.12)	-3.04 (-5.76, -0.24)	-3.85 (-9.16, 1.77)	-0.96 (-7.80, 6.39)
Estonia	9.37 (1.88, 17.42)	—	2.16 (-3.96, 8.67)	—	-1.49 (-6.51, 3.80)	2.81 (-4.37, 10.54)	-7.35 (-13.59, -0.66)
France*	3.16 (1.81, 4.53)	-3.44 (-11.40, 5.24)	0.70 (-0.70, 2.11)	3.42 (-3.54, 10.87)	1.75 (-0.59, 4.14)	3.39 (-4.63, 12.09)	-0.67 (-3.75, 2.52)
Germany*	-3.43 (-6.02, -0.78)	2.51 (-8.28, 14.57)	-0.63 (-2.14, 0.91)	-5.41 (-10.30, -0.27)	-3.00 (-7.02, 1.20)	-0.25 (-5.22, 4.97)	-2.13 (-9.76, 6.15)
Iceland	-6.72 (-10.69, -2.57)	—	0.34 (-5.60, 6.65)	—	-5.18 (-11.52, 1.61)	—	-2.24 (-4.48, 0.06)
Ireland	1.56 (0.41, 2.72)	-2.52 (-8.28, 3.60)	-0.85 (-3.98, 2.37)	4.39 (-0.56, 9.59)	-1.70 (-4.53, 1.21)	-1.92 (-8.94, 5.64)	-0.88 (-6.07, 4.59)
Italy*	3.33 (0.43, 6.31)	-4.59 (-11.95, 3.40)	-1.13 (-3.97, 1.80)	-1.02 (-6.04, 4.26)	-0.26 (-3.51, 3.09)	1.58 (-5.29, 8.95)	-8.27 (-12.58, -3.75)
Lithuania	0.93 (-2.36, 4.32)	-3.13 (-15.04, 10.44)	5.92 (2.07, 9.92)	—	0.07 (-2.39, 2.59)	2.99 (-5.56, 12.31)	-0.66 (-7.35, 6.51)
Malta	8.01 (-3.63, 21.05)	—	6.50 (-4.46, 18.72)	—	-3.06 (-9.87, 4.25)	—	-2.15 (-2.83, -1.46)
Netherlands	2.28 (1.19, 3.39)	-5.25 (-7.90, -2.52)	1.45 (0.49, 2.41)	-4.85 (-10.59, 1.26)	-0.86 (-2.51, 0.83)	3.82 (-0.70, 8.55)	3.85 (0.79, 7.01)
Norway	0.35 (-0.94, 1.65)	4.37 (-1.07, 10.12)	4.10 (0.42, 7.92)	1.95 (-0.64, 4.62)	-3.07 (-6.48, 0.48)	6.75 (0.06, 13.88)	-6.72 (-12.25, -0.83)
Poland*	1.36 (-4.46, 7.54)	—	1.21 (-4.54, 7.32)	—	-1.02 (-6.72, 5.01)	-7.70 (-10.79, -4.50)	0.91 (-6.98, 9.47)
Slovenia	7.27 (4.86, 9.74)	0.32 (-0.04, 0.67)	0.10 (-2.77, 3.05)	—	1.20 (-2.15, 4.67)	-4.64 (-9.80, 0.82)	-2.40 (-6.96, 2.38)
Spain*	-1.51 (-3.72, 0.75)	2.05 (-5.84, 10.60)	-2.31 (-4.71, 0.15)	-1.59 (-1.87, -1.32)	-1.06 (-3.62, 1.56)	-0.04 (-4.04, 4.14)	-1.24 (-4.60, 2.23)
Switzerland*	-1.01 (-2.66, 0.68)	-0.43 (-11.22, 11.66)	-1.23 (-4.14, 1.77)	0.48 (-1.29, 2.28)	0.69 (-4.77, 6.46)	4.74 (-3.75, 13.98)	-1.52 (-6.55, 3.77)
United Kingdom*	2.59 (1.56, 3.63)	3.25 (0.34, 6.23)	0.94 (0.14, 1.75)	-1.70 (-5.47, 2.23)	0.77 (-0.20, 1.75)	5.25 (3.61, 6.92)	1.63 (-0.34, 3.64)
Oceania							
Australia	-2.84 (-3.33, -2.34)	4.53 (-2.14, 11.64)	1.26 (0.11, 2.43)	-3.45 (-9.95, 3.52)	0.75 (-0.51, 2.01)	4.23 (-2.31, 11.20)	-0.48 (-2.88, 1.97)
New Zealand	-2.42 (-3.68, -1.15)	-1.13 (-5.55, 3.49)	0.24 (-2.17, 2.71)	-8.95 (-16.34, -0.89)	0.03 (-1.97, 2.07)	8.37 (0.84, 16.46)	2.53 (-1.47, 6.69)

*Sub-National

†An em-dash (—) denotes that too few cancer cases were observed to calculate the AAPC