

Supplement:

Incidence of childhood cancer in Latin America and the Caribbean: coverage, patterns, and time trends

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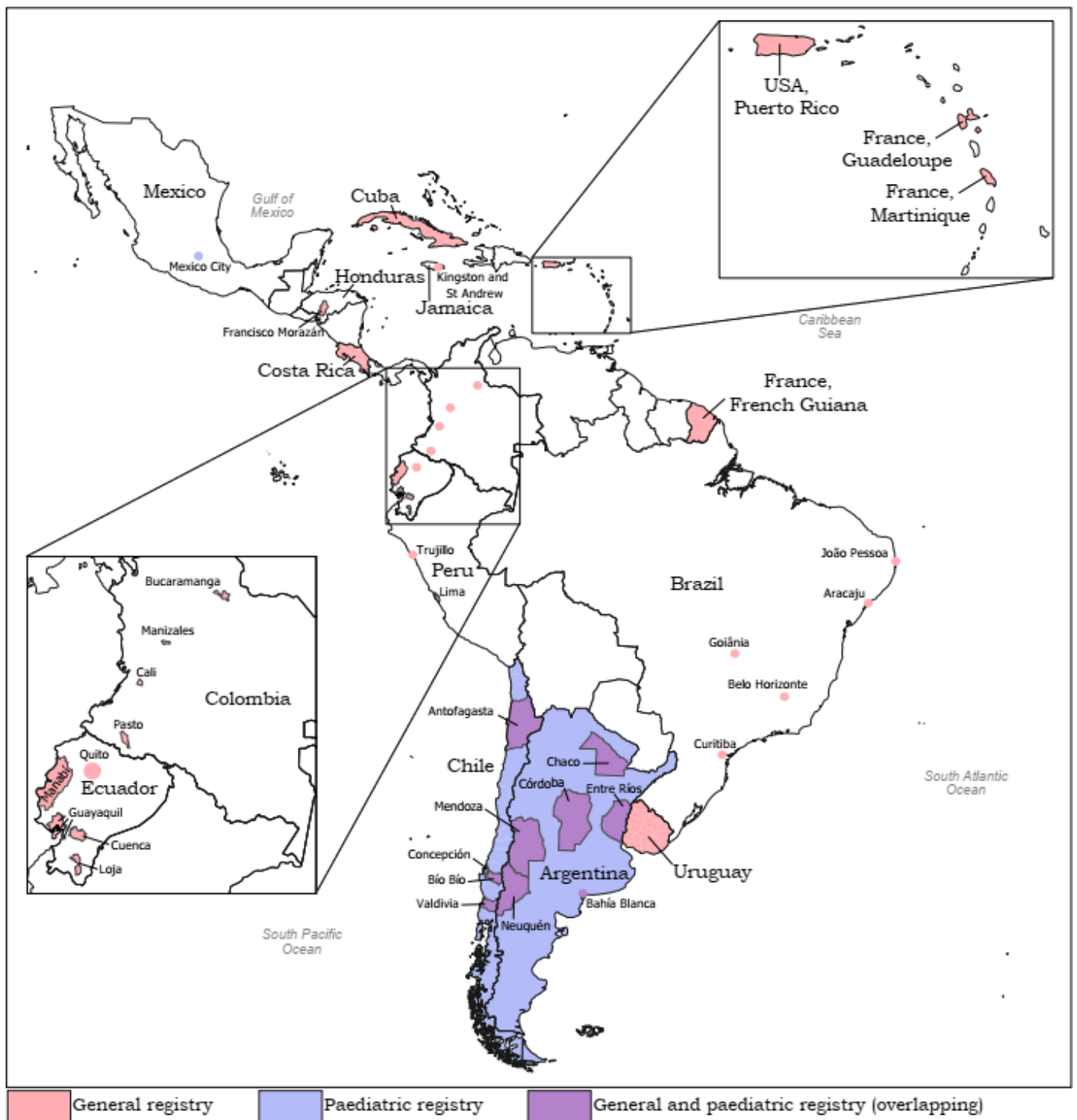


Figure S1: Latin America and the Caribbean populations covered in the International Incidence of Childhood Cancer volume 3 (IICC-3) study. Source: IICC-3 (1).

Table S1: Cancer registries operating in Latin America and the Caribbean (LAC) which contributed to the International Incidence of Childhood Cancer volume 3 (IICC-3) classified by subregion, showing their period of contribution, quality indicators, registration practices of the central nervous system (CNS) tumours, and inclusion in the study of incidence patterns (2001-2010) and time trends (1993-2012) in LAC. Source: IICC-3 (1).

N, number of cases, MV, microscopic verification; DCO, death certification only; NOS, morphology not otherwise specified; CNS, central nervous system; SA, South America; CAC, Central America and the Caribbean; + included. Registration of non-malignant tumours in the groups III and Xa of the International Classification of Childhood Cancer (ICCC-3) (2): Yes, all registered; Selective, certain types or periods registered; Non-systematic, likely incomplete, Not provided, registered but not provided for IICC-3, No, not registered; – not available.

Country, registry	Sub-region	Period	Person-years (thousands)		Cases (N)		Quality indicators (%)			Age 0 in 0-14 %	Age 0-14 in 0-19 %	Non-malignant CNS tumours in III and Xa		Contribution to analytical datasets		
			0-14	0-19	0-14	0-19	MV	DCO	NOS			%	Registration	Geographical patterns 2001-2010		Time trend analyses 1993-2012
ARGENTINA, paediatric	SA	2000-2013	144 813	—	18 067	—	95.6	2.2	6.4	9.4	—	14.4	Yes	+		
ARGENTINA, Bahía Blanca	SA	1991-2007	1 185	1 602	194	273	82.8	3.7	19.8	12.4	71.1	10.8	Selective			
ARGENTINA, Chaco	SA	2002-2012	3 630	4 837	473	618	94.8	0.8	12.6	7.0	76.5	1.0	Selective			
ARGENTINA, Córdoba	SA	2004-2012	7 417	9 980	1 010	1 402	95.6	2.4	10.3	9.2	72.0	10.5	Yes			
ARGENTINA, Entre Ríos	SA	2001-2011	3 436	4 561	409	555	94.2	3.2	14.8	7.3	73.7	1.3	Selective	+		
ARGENTINA, Mendoza	SA	2003-2012	4 549	6 105	597	893	96.2	0.9	8.5	9.5	66.9	22.8	Yes			
ARGENTINA, Neuquén	SA	2003-2013	1 795	2 371	268	330	88.8	3.9	7.9	10.8	81.2	18.2	Yes			
BRAZIL, Aracaju	SA	1996-2012	2 246	3 132	269	414	91.3	4.6	8.7	5.2	65.0	7.2	Selective	+	+	
BRAZIL, Belo Horizonte	SA	2000-2006	3 931	5 536	516	771	86.5	12.6	13.1	7.0	66.9	15.4	Selective			
BRAZIL, Curitiba	SA	1998-2010	5 313	7 365	816	1 192	91.8	6.5	6.4	8.3	68.5	6.2	Non-systematic	+	+	
BRAZIL, Goiânia	SA	1995-2011	4 920	6 906	754	1 114	94.2	3.7	7.5	7.6	67.7	0.0	No	+	+	
BRAZIL, João Pessoa	SA	1999-2010	2 059	2 866	248	367	95.1	1.4	26.2	5.6	67.6	0.0	No	+	+	
CHILE, paediatric	SA	2007-2011	18 756	—	2 380	—	93.4	2.6	5.4	9.5	—	16.4	Yes			
CHILE, Antofagasta	SA	2003-2010	1 129	1 512	140	186	94.1	3.8	14.0	12.1	75.3	0.0	Not provided			
CHILE, Bío Bío	SA	2003-2012	939	1 276	125	174	93.1	0.0	9.2	12.8	71.8	24.1	Yes			
CHILE, Concepción	SA	2006-2010	1 087	1 558	171	255	93.3	1.6	9.4	6.4	67.1	23.9	Yes			
CHILE, Valdivia	SA	1998-2012	1 411	1 920	194	294	94.6	0.7	6.5	8.8	66.0	13.9	Yes	+	+	
COLOMBIA, Bucaramanga	SA	2000-2012	3 534	4 810	520	725	92.4	2.1	20.7	4.2	71.7	12.0	Yes	+	+	
COLOMBIA, Cali	SA	1992-2013	11 495	15 486	1 737	2 398	94.9	0.6	7.4	6.4	72.4	21.3	Selective	+	+	+
COLOMBIA, Manizales	SA	2003-2012	873	1 235	92	143	97.2	1.4	4.9	7.6	64.3	0.0	No			
COLOMBIA, Pasto	SA	1998-2012	1 558	2 116	188	271	90.8	3.3	5.9	9.0	69.4	15.0	Yes	+	+	
COSTA RICA	CAC	1993-2012	23 821	31 776	3 112	4 555	91.2	1.4	11.2	6.5	68.3	0.0	No	+	+	+
CUBA	CAC	2000-2012	27 204	37 567	3 411	4 741	89.4	6.6	13.1	7.2	71.9	2.8	Non-systematic	+	+	
ECUADOR, Cuenca	SA	1996-2013	2 532	3 415	328	460	91.5	1.7	11.3	8.8	71.3	1.7	Selective	+	+	
ECUADOR, Guayaquil	SA	2008-2012	3 391	4 469	566	758	89.8	1.5	12.5	6.9	74.7	0.0	No			
ECUADOR, Loja	SA	1997-2013	1 043	1 403	168	226	91.2	0.4	6.6	9.5	74.3	0.0	Selective	+	+	
ECUADOR, Manabí	SA	1995-2011	6 717	8 963	656	850	88.9	5.4	12.9	4.6	77.2	0.0	No	+	+	
ECUADOR, Quito	SA	1993-2012	8 222	11 024	1 300	1 851	94.0	1.9	8.6	7.1	70.2	1.9	Selective	+	+	+
FRANCE, French Guiana	SA	2003-2012	755	951	101	149	84.6	0.7	18.1	15.8	67.8	40.0	Yes			
FRANCE, Guadeloupe	CAC	2008-2012	434	591	55	69	97.1	0.0	0.0	1.8	79.7	26.7	Selective			
FRANCE, Martinique	CAC	1990-2012	1 961	2 668	187	275	93.5	—	4.0	5.3	68.0	34.2	Yes	+	+	+
HONDURAS, Francisco Morazán	CAC	2002-2012	5 130	6 621	488	676	94.8	0.3	7.7	4.9	72.2	19.8	Yes			
JAMAICA, Kingston & St Andrew	CAC	1982-2012	5 833	7 860	433	616	94.3	0.5	6.8	7.9	70.3	6.1	Selective	+	+	+
MEXICO, Mexico City, paediatric	CAC	1997-2013	11 923	—	1 560	—	98.9	—	0.8	6.0	—	6.1	Yes	+		
PERU, Lima	SA	2010-2012	7 046	9 686	1 052	1 498	84.1	4.8	16.2	7.1	70.2	39.9	Yes			
PERU, Trujillo	SA	1990-2002	2 383	3 259	252	348	92.8	2.3	15.5	3.6	72.4	0.0	No			
USA, Puerto Rico	CAC	1992-2012	17 933	24 298	2 188	3 218	95.5	1.9	8.5	8.5	68.0	12.6	Selective	+	+	+
URUGUAY	SA	1993-2012	15 335	20 522	2 114	2 930	89.8	7.5	10.0	8.2	72.2	0.0	No	+	+	+

Table S2: Overall incidence rates observed in cancer registries operating in Latin America and the Caribbean which contributed to the International Incidence of Childhood Cancer volume 3 (IICC-3) study. Source: IICC-3 (1).

N, number of cases; WSR, age-standardised rate per million (world standard) (3); CI, confidence interval; ASR, age-specific rate per million; – not applicable.

Country, registry	Period	Paediatric dataset			General dataset					
		Age 0-14 years			Age 0-19 years			Age 15-19 years		
		N	WSR	95% CI	N	WSR	95% CI	N	ASR	95% CI
ARGENTINA, paediatric	2000-2013	18 067	128.1	126.2-130.0	–	–	–	–	–	–
ARGENTINA, Bahía Blanca	1991-2007	194	166.8	143.0-190.6	273	171.8	151.1-192.5	79	189.2	147.5-230.9
ARGENTINA, Chaco	2002-2012	473	133.5	121.3-145.7	618	130.5	120.1-140.9	145	120.1	100.5-139.7
ARGENTINA, Córdoba	2004-2012	1 010	139.8	131.1-148.5	1 402	142.8	135.2-150.4	392	153.0	137.9-168.1
ARGENTINA, Entre Ríos	2001-2011	409	121.5	109.6-133.4	555	123.4	113.0-133.8	146	129.8	108.7-150.9
ARGENTINA, Mendoza	2003-2012	597	134.7	123.8-145.6	893	147.2	137.4-157.0	296	190.2	168.5-211.9
ARGENTINA, Neuquén	2003-2013	268	153.8	135.2-172.4	330	143.4	127.8-159.0	62	107.6	80.8-134.4
BRAZIL, Aracaju	1996-2012	269	122.1	107.3-136.9	414	131.4	118.4-144.4	145	163.5	136.9-190.1
BRAZIL, Belo Horizonte	2000-2006	516	132.1	120.6-143.6	771	138.2	128.2-148.2	255	158.9	139.4-178.4
BRAZIL, Curitiba	1998-2010	816	160.4	149.3-171.5	1 192	165.5	155.9-175.1	376	183.2	164.7-201.7
BRAZIL, Goiânia	1995-2011	754	157.6	146.2-169.0	1 114	163.0	153.2-172.8	360	181.3	162.6-200.0
BRAZIL, João Pessoa	1999-2010	248	127.0	111.0-143.0	367	131.6	117.8-145.4	119	147.4	120.9-173.9
CHILE, paediatric	2007-2011	2 380	131.5	126.1-136.9	–	–	–	–	–	–
CHILE, Antofagasta	2003-2010	140	130.0	108.3-151.7	186	127.8	109.2-146.4	46	120.3	85.5-155.1
CHILE, Bío Bío	2003-2012	125	141.7	116.4-167.0	174	142.5	120.9-164.1	49	145.5	104.8-186.2
CHILE, Concepción	2006-2010	171	163.4	138.4-188.4	255	166.8	145.6-188.0	84	178.4	140.2-216.6
CHILE, Valdivia	1998-2012	194	149.5	128.1-170.9	294	160.1	141.4-178.8	100	196.4	157.9-234.9
COLOMBIA, Bucaramanga	2000-2012	520	151.0	137.8-164.2	725	153.1	141.8-164.4	205	160.7	138.7-182.7
COLOMBIA, Cali	1992-2013	1 737	155.6	148.2-163.0	2 398	157.8	151.4-164.2	661	165.6	153.0-178.2
COLOMBIA, Manizales	2003-2012	92	105.5	83.6-127.4	143	113.5	94.4-132.6	51	141.0	102.3-179.7
COLOMBIA, Pasto	1998-2012	188	126.7	108.3-145.1	271	131.7	115.8-147.6	83	148.8	116.8-180.8
COSTA RICA	1993-2012	3 112	133.9	129.1-138.7	4 555	144.6	140.4-148.8	1 443	181.4	172.0-190.8
CUBA	2000-2012	3 411	130.2	125.8-134.6	4 741	129.7	125.9-133.5	1 330	128.3	121.4-135.2
ECUADOR, Cuenca	1996-2013	328	132.2	117.7-146.7	460	136.1	123.5-148.7	132	149.4	123.9-174.9
ECUADOR, Guayaquil	2008-2012	566	171.9	157.6-186.2	758	173.3	160.9-185.7	192	178.0	152.8-203.2
ECUADOR, Loja	1997-2013	168	165.3	140.0-190.6	226	164.4	142.7-186.1	58	161.1	119.6-202.6
ECUADOR, Manabí	1995-2011	656	101.7	93.8-109.6	850	98.2	91.5-104.9	194	86.4	74.2-98.6
ECUADOR, Quito	1993-2012	1 300	161.7	152.8-170.6	1 851	169.6	161.8-177.4	551	196.7	180.3-213.1
FRANCE, French Guiana	2003-2012	101	135.8	109.3-162.3	149	160.4	134.6-186.2	48	245.1	175.8-314.4
FRANCE, Guadeloupe	2008-2012	55	124.5	91.0-158.0	69	116.5	88.5-144.5	14	89.1	42.5-135.7
FRANCE, Martinique	1990-2012	187	97.3	83.1-111.5	275	103.4	91.0-115.8	88	124.4	98.4-150.4
HONDURAS, Francisco Morazán	2002-2012	488	95.1	86.6-103.6	676	102.1	94.4-109.8	188	126.0	108.0-144.0
JAMAICA, Kingston & St Andrew	1982-2012	433	76.1	68.9-83.3	616	79.3	73.0-85.6	183	90.3	77.2-103.4
MEXICO, Mexico City, paediatric	1997-2013	1 560	134.7	127.9-141.5	–	–	–	–	–	–
PERU, Lima	2010-2012	1 052	153.1	143.8-162.4	1 498	156.7	148.7-164.7	446	168.9	153.2-184.6
PERU, Trujillo	1990-2002	252	107.1	93.8-120.4	348	107.6	96.2-119.0	96	109.7	87.8-131.6
USA, Puerto Rico	1992-2012	2 188	125.7	120.4-131.0	3 218	133.8	129.1-138.5	1 030	161.8	151.9-171.7
URUGUAY	1993-2012	2 114	142.4	136.3-148.5	2 930	145.7	140.4-151.0	816	157.3	146.5-168.1

Table S3: Incidence numbers and rates of childhood cancer in the cancer registries contributing to the analysis of geographical patterns of incidence in Latin America and the Caribbean for all years of the decade 2001 to 2010. Source: IICC-3 (1).

N, number of cases; WSR, age-standardised rate per million (world standard) (3); CI, confidence interval; ASR, age-specific rate per million; – not applicable.

Country, registry	Paediatric dataset			General dataset					
	Age 0-14 years			Age 0-19 years			Age 15-19 years		
	N	WSR	95% CI	N	WSR	95% CI	N	ASR	95% CI
Overall	24 556	132.6	130.9-134.3	15 832	139.0	136.8-141.2	4 733	152.3	148.0-156.6
ARGENTINA, paediatric	12 941	130.1	127.8-132.4	–	–	–	–	–	–
ARGENTINA, Entre Rios	–	–	–	521	126.2	115.3-137.1	138	134.2	111.8-156.6
BRAZIL, Aracaju	157	119.5	100.6-138.4	239	127.7	111.2-144.2	82	156.0	122.2-189.8
BRAZIL, Curitiba	574	146.8	134.6-159.0	849	152.9	142.4-163.4	275	173.8	153.3-194.3
BRAZIL, Goiânia	468	164.7	149.6-179.8	691	170.1	157.1-183.1	223	188.8	164.0-213.6
BRAZIL, João Pessoa	214	131.6	113.7-149.5	319	136.9	121.5-152.3	105	155.2	125.5-184.9
CHILE, Valdivia	119	140.5	114.8-166.2	182	149.9	127.5-172.3	63	182.1	137.1-227.1
COLOMBIA, Bucaramanga	407	152.3	137.3-167.3	567	154.6	141.6-167.6	160	162.6	137.4-187.8
COLOMBIA, Cali	854	159.2	148.4-170.0	1 180	161.9	152.5-171.3	326	171.3	152.7-189.9
COLOMBIA, Pasto	120	120.6	98.7-142.5	178	128.5	109.3-147.7	58	155.6	115.5-195.7
COSTA RICA	1 591	138.0	131.1-144.9	2 341	146.3	140.3-152.3	750	175.0	162.5-187.5
CUBA	2 608	128.6	123.6-133.6	3 652	128.5	124.2-132.8	1 044	128.1	120.3-135.9
ECUADOR, Cuenca	168	120.2	101.8-138.6	239	125.1	109.1-141.1	71	141.7	108.7-174.7
ECUADOR, Loja	100	167.8	134.6-201.0	138	170.1	141.4-198.8	38	178.1	121.5-234.7
ECUADOR, Manabí	393	102.1	91.9-112.3	519	99.6	90.9-108.3	126	91.1	75.2-107.0
ECUADOR, Quito	694	169.5	156.8-182.2	996	178.3	167.1-189.5	302	208.7	185.2-232.2
FRANCE, Martinique	80	98.2	76.2-120.2	126	110.2	90.5-129.9	46	151.6	107.8-195.4
JAMAICA, Kingston & St Andrew	139	82.9	68.9-96.9	187	81.2	69.3-93.1	48	75.5	54.1-96.9
MEXICO, Mexico City, paediatric	899	133.8	125.0-142.6	–	–	–	–	–	–
USA, Puerto Rico	988	124.3	116.4-132.2	1 453	131.7	124.8-138.6	465	157.3	143.0-171.6
URUGUAY	1 042	143.0	134.2-151.8	1 455	146.7	139.0-154.4	413	159.3	143.9-174.7

Table S4: Age-specific incidence in Latin America and the Caribbean in 2001-2010 by main diagnostic group of the International Classification of Childhood Cancer (ICCC-3) (2). Source: IICC-3 (1).

N, number of cases; ASR, age-specific rate per million; CI, confidence interval.

ICCC-3 main diagnostic groups	Paediatric dataset												General dataset		
	Age <1 year			Age 1-4 years			Age 5-9 years			Age 10-14 years			Age 15-19 years		
	N	ASR	95%CI	N	ASR	95%CI	N	ASR	95%CI	N	ASR	95%CI	N	ASR	95%CI
Overall	2 044	168.6	161.3-175.9	8 574	173.1	169.4-176.8	6 811	106.6	104.1-109.1	7 127	108.6	106.1-111.1	4 733	152.3	148.0-156.6
I. Leukaemia	445	36.7	33.3-40.1	3 640	73.5	71.1-75.9	2 614	40.9	39.3-42.5	2 218	33.8	32.4-35.2	858	27.6	25.8-29.4
II. Lymphoma	94	7.8	6.2-9.4	760	15.3	14.2-16.4	1 130	17.7	16.7-18.7	1 250	19.0	17.9-20.1	937	30.2	28.3-32.1
III. CNS neoplasms	278	22.9	20.2-25.6	1 322	26.7	25.3-28.1	1 523	23.8	22.6-25.0	1 185	18.1	17.1-19.1	441	14.2	12.9-15.5
IV. Neuroblastoma	372	30.7	27.6-33.8	639	12.9	11.9-13.9	161	2.5	2.1-2.9	76	1.2	0.9-1.5	19	0.6	0.3-0.9
V. Retinoblastoma	244	20.1	17.6-22.6	498	10.1	9.2-11.0	60	0.9	0.7-1.1	12	0.2	0.1-0.3	3	0.1	0.0-0.2
VI Renal tumours	164	13.5	11.4-15.6	667	13.5	12.5-14.5	233	3.6	3.1-4.1	75	1.1	0.8-1.4	35	1.1	0.7-1.5
VII. Hepatic tumours	98	8.1	6.5-9.7	153	3.1	2.6-3.6	50	0.8	0.6-1.0	63	1.0	0.8-1.2	35	1.1	0.7-1.5
VIII. Bone tumours	12	1.0	0.4-1.6	78	1.6	1.3-1.9	308	4.8	4.3-5.3	796	12.1	11.3-12.9	442	14.2	12.9-15.5
IX. Soft tissue sarcoma	140	11.5	9.6-13.4	404	8.2	7.4-9.0	375	5.9	5.3-6.5	479	7.3	6.6-8.0	287	9.2	8.1-10.3
X. Germ cell tumours	103	8.5	6.9-10.1	245	4.9	4.3-5.5	138	2.2	1.8-2.6	393	6.0	5.4-6.6	567	18.2	16.7-19.7
XI. Other carcinomas, melanoma	24	2.0	1.2-2.8	73	1.5	1.2-1.8	144	2.3	1.9-2.7	467	7.1	6.5-7.7	933	30.0	28.1-31.9
XII. Other and unspecified	70	5.8	4.4-7.2	95	1.9	1.5-2.3	75	1.2	0.9-1.5	113	1.7	1.4-2.0	176	5.7	4.9-6.5

Table S5: Incidence of childhood cancer in Latin America and the Caribbean countries in 2001-2010 by main diagnostic group of the International Classification of Childhood Cancer (ICCC-3) (2). Source: IICC-3 (1).

CNS, central nervous system; N, number of cases; WSR, age-standardised rate per million (world standard) (3); ASR, Age-specific incidence rates per million; – not available.

A) Age 0-14 years (paediatric dataset)

Country, registry	I Leukaemia		II Lymphoma		III CNS neoplasms		IV Neuroblastoma		V Retinoblastoma		VI Renal tumours		VII Hepatic tumours		VIII Bone tumours		IX Soft tissue sarcoma		X Germ cell tumours		XI Other carcinomas, melanoma		XII Other and unspecified	
	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR
Overall	8 917	48.7	3 234	16.6	4 308	23.0	1 248	7.5	814	5.0	1 139	6.7	364	2.1	1 194	5.6	1 398	7.4	879	4.6	708	3.4	353	1.9
ARGENTINA, paediatric	4 774	48.2	1 599	15.4	2 414	23.9	763	8.4	455	5.1	611	6.6	181	1.9	621	5.5	763	7.6	447	4.4	201	1.8	112	1.1
BRAZIL, 4 registries	480	50.3	190	18.2	236	24.1	70	8.0	38	4.5	75	8.6	18	2.0	76	6.9	86	8.8	45	4.7	77	7.3	22	2.4
CHILE, Valdivia	51	61.2	9	9.8	20	24.8	4	5.2	4	5.2	7	8.8	4	5.6	4	3.8	7	7.2	6	6.1	2	1.7	1	1.0
COLOMBIA, 3 registries	519	58.7	202	21.0	232	25.2	31	3.9	49	6.5	62	7.7	16	1.9	61	5.7	87	9.2	43	4.7	54	5.3	25	2.9
COSTA RICA	635	56.7	203	16.4	220	19.2	45	4.6	47	4.8	61	5.7	32	2.9	63	4.5	73	6.1	54	4.5	98	7.2	60	5.4
CUBA	775	39.0	491	23.2	418	20.1	144	8.1	59	3.4	133	7.4	27	1.4	122	5.0	138	6.9	86	4.2	126	5.5	89	4.3
ECUADOR, 4 registries	593	60.1	178	17.5	165	16.3	21	2.2	76	8.7	47	5.1	38	3.9	65	5.7	57	5.5	56	5.6	43	3.9	16	1.6
FRANCE, Martinique	26	33.2	7	6.7	13	17.0	2	2.5	4	6.0	3	3.3	1	1.5	7	7.5	10	12.6	5	5.6	1	1.0	1	1.5
JAMAICA, Kingston & St Andrew	34	20.8	21	11.0	22	13.1	11	7.5	8	5.3	11	7.8	–	–	4	1.9	12	6.9	8	4.4	6	2.8	2	1.4
MEXICO, Mexico City, paediatric	411	62.0	95	13.3	129	19.3	22	3.7	21	3.6	30	4.7	17	2.9	54	7.3	48	6.8	59	8.3	12	1.7	1	0.1
USA, Puerto Rico	301	38.7	99	11.4	234	29.4	55	7.9	20	3.0	57	8.0	15	2.1	52	5.7	62	7.9	34	3.8	41	4.2	18	2.3
URUGUAY	318	44.3	140	17.8	205	27.5	80	12.7	33	5.2	42	6.5	15	2.2	65	7.8	55	7.7	36	4.9	47	5.5	6	0.8

B) Age 15-19 years (general dataset)

Country, registry	I Leukaemia		II Lymphoma		III CNS neoplasms		VIII Bone tumours		IX Soft tissue sarcoma		X Germ cell tumours		XI Other carcinomas, melanoma		XII Other and unspecified	
	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR
Overall	858	27.6	937	30.2	441	14.2	442	14.2	287	9.2	567	18.2	933	30.0	176	5.7
ARGENTINA, Entre Rios	19	18.5	27	26.3	13	12.6	2	1.9	5	4.9	30	29.2	31	30.1	6	5.8
BRAZIL, 4 registries	103	26.0	144	36.3	63	15.9	78	19.7	56	14.1	75	18.9	140	35.3	13	3.3
CHILE, Valdivia	14	40.5	10	28.9	2	5.8	6	17.3	2	5.8	16	46.3	10	28.9	3	8.7
COLOMBIA, 3 registries	131	40.2	90	27.6	62	19.0	58	17.8	32	9.8	64	19.6	81	24.9	19	5.8
COSTA RICA	115	26.8	140	32.7	48	11.2	55	12.8	45	10.5	124	28.9	157	36.6	52	12.1
CUBA	165	20.2	237	29.1	93	11.4	113	13.9	54	6.6	54	6.6	244	29.9	53	6.5
ECUADOR, 4 registries	141	39.8	89	25.1	36	10.2	47	13.3	35	9.9	96	27.1	77	21.7	9	2.5
FRANCE, Martinique	6	19.8	10	33.0	6	19.8	5	16.5	6	19.8	5	16.5	8	26.4	–	–
JAMAICA, Kingston & St Andrew	9	14.2	8	12.6	5	7.9	6	9.4	2	3.1	6	9.4	6	9.4	3	4.7
USA, Puerto Rico	80	27.1	91	30.8	80	27.1	35	11.8	28	9.5	45	15.2	93	31.5	5	1.7
URUGUAY	75	28.9	91	35.1	33	12.7	37	14.3	22	8.5	52	20.1	86	33.2	13	5.0

Table S6: Incidence rates in Latin America and the Caribbean countries in 2001-2010 by selected diagnostic subgroups of the International Classification of Childhood Cancer (ICCC-3) (2). Source: IICC-3 (1).

CNS, central nervous system; N, number of cases; WSR, age-standardised rate per million (world standard) (3); ASR, Age-specific incidence rates per million; – not available.

A) Age 0-14 years (paediatric dataset)

Country, registry	Ia Lymphoid leukaemia		Ib Acute myeloid leukaemia		IIa Hodgkin lymphoma		IIb&c Non-Hodgkin lymphoma & Burkitt lymphoma		IIIb Astrocytoma		IIIc Intracranial and intraspinal embryonal tumours		VIIIa Osteosarcoma		IXa Rhabdomyo- sarcoma		Xc Malignant gonadal germ cell tumours		XIb Thyroid carcinoma		XIf Other and unspecified carcinoma	
	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR	N	WSR
Overall	6 823	37.4	1 526	8.2	1 218	6.0	1 678	8.7	1 369	7.2	1 035	5.6	708	3.3	698	3.8	522	2.7	180	0.8	163	0.8
ARGENTINA, paediatric	3 707	37.6	921	9.2	665	6.2	739	7.1	680	6.7	559	5.6	365	3.2	387	3.9	254	2.5	29	0.3	55	0.5
BRAZIL, 4 registries	332	35.1	87	8.9	73	6.5	92	9.1	97	9.9	60	6.0	38	3.3	60	6.3	20	2.0	14	1.1	15	1.4
CHILE, Valdivia	38	44.9	10	12.1	5	4.6	1	1.0	7	8.7	4	5.6	–	–	3	3.6	4	3.9	–	–	1	0.8
COLOMBIA, 3 registries	384	43.9	75	8.3	51	5.0	135	14.1	85	9.0	59	6.6	33	3.1	40	4.5	24	2.6	17	1.6	14	1.4
COSTA RICA	534	47.9	75	6.7	91	7.0	105	8.7	43	3.7	79	6.8	36	2.6	31	2.7	36	3.0	24	1.8	7	0.5
CUBA	554	28.2	112	5.4	136	6.0	319	15.4	151	7.1	69	3.4	74	2.9	62	3.2	57	2.6	35	1.4	34	1.5
ECUADOR, 4 registries	467	47.4	66	6.6	44	4.2	100	9.9	64	6.3	53	5.4	52	4.5	30	2.9	44	4.4	13	1.1	5	0.4
FRANCE, Martinique	20	26.1	5	5.6	4	3.8	3	2.9	5	6.1	5	6.9	5	5.6	3	4.0	3	3.4	1	1.0	–	–
JAMAICA, Kingston & St Andrew	26	16.5	5	2.7	4	1.9	16	8.6	5	2.9	9	5.3	4	1.9	4	2.6	5	2.4	1	0.5	1	0.5
MEXICO, Mexico City, paediatric	342	51.8	62	9.1	31	4.1	62	8.9	53	7.6	42	6.5	37	5.0	21	3.1	38	5.6	7	0.9	1	0.1
USA, Puerto Rico	183	23.6	41	5.0	57	6.3	38	4.4	111	14.0	46	5.8	36	3.8	31	4.1	15	1.6	22	2.2	12	1.2
URUGUAY	236	33.0	67	9.1	57	6.8	68	8.8	68	9.1	50	6.6	28	3.3	26	3.8	22	2.8	17	1.9	18	2.2

B) Age 15-19 years (general dataset)

Country, registry	Ia Lymphoid leukaemia		Ib Acute myeloid leukaemia		IIa Hodgkin lymphoma		IIb&c Non-Hodgkin lymphoma & Burkitt lymphoma		IIIb Astrocytoma		IIIc Intracranial and intraspinal embryonal tumours		VIIIa Osteosarcoma		IXa Rhabdomyo- sarcoma		Xc Malignant gonadal germ cell tumours		XIb Thyroid carcinoma		XIf Other and unspecified carcinoma	
	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR	N	ASR
Overall	450	14.5	223	7.2	520	16.7	349	11.2	172	5.5	68	2.2	263	8.5	65	2.1	422	13.6	349	11.2	291	9.4
ARGENTINA, Entre Rios	8	7.8	2	1.9	21	20.4	4	3.9	7	6.8	1	1.0	1	1.0	1	1.0	23	22.4	10	9.7	7	6.8
BRAZIL, 4 registries	51	12.9	30	7.6	90	22.7	46	11.6	32	8.1	9	2.3	44	11.1	12	3.0	55	13.9	56	14.1	37	9.3
CHILE, Valdivia	8	23.1	3	8.7	7	20.2	2	5.8	1	2.9	–	–	4	11.6	–	–	13	37.6	4	11.6	4	11.6
COLOMBIA, 3 registries	67	20.6	27	8.3	52	16.0	34	10.4	16	4.9	7	2.1	35	10.7	9	2.8	50	15.3	29	8.9	33	10.1
COSTA RICA	75	17.5	28	6.5	87	20.3	49	11.4	17	4.0	13	3.0	31	7.2	10	2.3	95	22.2	48	11.2	41	9.6
CUBA	79	9.7	50	6.1	123	15.1	94	11.5	36	4.4	8	1.0	66	8.1	11	1.3	25	3.1	78	9.6	79	9.7
ECUADOR, 4 registries	93	26.2	27	7.6	26	7.3	54	15.2	24	6.8	5	1.4	37	10.4	11	3.1	78	22.0	29	8.2	29	8.2
FRANCE, Martinique	2	6.6	1	3.3	7	23.1	3	9.9	1	3.3	2	6.6	2	6.6	2	6.6	4	13.2	4	13.2	1	3.3
JAMAICA, Kingston & St Andrew	6	9.4	2	3.1	4	6.3	4	6.3	1	1.6	3	4.7	5	7.9	–	–	5	7.9	3	4.7	1	1.6
USA, Puerto Rico	28	9.5	32	10.8	59	20.0	27	9.1	30	10.1	11	3.7	19	6.4	4	1.4	35	11.8	55	18.6	28	9.5
URUGUAY	33	12.7	21	8.1	44	17.0	32	12.3	7	2.7	9	3.5	19	7.3	5	1.9	39	15.0	33	12.7	31	12.0

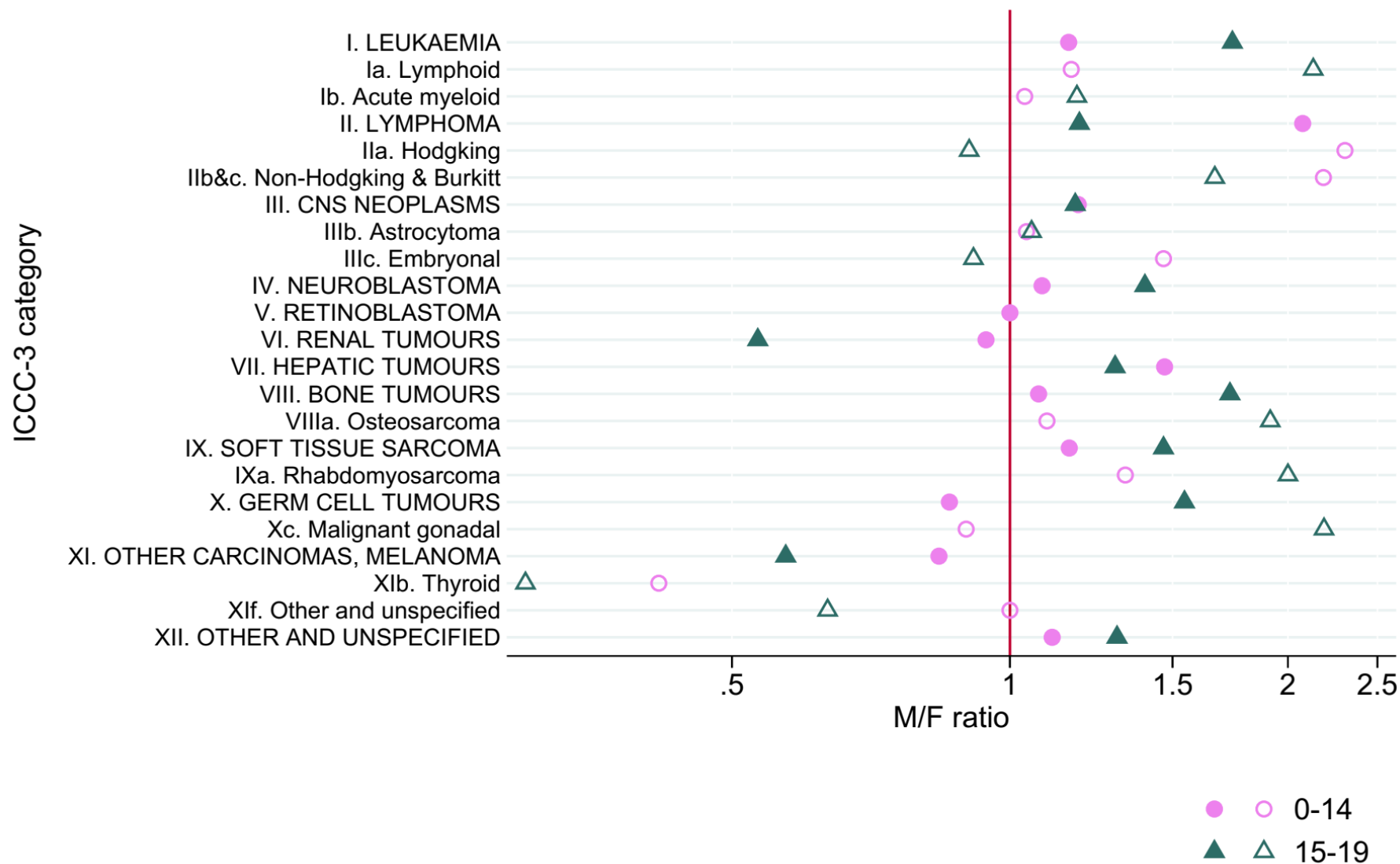


Figure S2: Male to female rates ratio (M/F ratio) in the selected categories of the International Classification of Childhood Cancer (ICCC-3) (2) for children diagnosed in Latin America and the Caribbean, 2001-2010. Source: IICC-3 (1).

Symbol (circle or triangle) full, M/F ratio of ICC-3 main diagnostic group; Symbol (circle or triangle) empty, M/F ratio of an ICC-3 selected subgroup.

Table S7: Incidence rate in Latin America and the Caribbean in 2001-2010 by sex in selected diagnostic categories of the International Classification of Childhood Cancer (ICCC-3) (2). Source: IICC-3 (1).

N, number of cases; WSR, age-standardised rate per million (world standard) (3), ASR, age-specific rate; M/F, male to female rates ratio; CI, confidence interval; CNS, central nervous system; – not available.

ICCC-3 diagnostic categories	Paediatric dataset						General dataset											
	Age 0-14 years						Age 0-19 years						Age 15-19 years					
	Males		Females		M/F Ratio	95%CI	Males		Females		M/F Ratio	95%CI	Males		Females		M/F Ratio	95%CI
	N	WSR	N	WSR			N	WSR	N	WSR			N	ASR	N	ASR		
Overall	13 604	144.2	10 941	120.3	1.2	1.2-1.2	8 648	149.1	7 184	128.4	1.2	1.1-1.2	2 592	165.0	2 141	139.3	1.2	1.1-1.3
I. Leukaemia	4 875	52.1	4 039	45.0	1.2	1.1-1.2	2 667	47.6	2 070	39.3	1.2	1.1-1.3	549	35.0	309	20.1	1.7	1.5-2.0
Ia. Lymphoid	3 744	40.2	3 076	34.5	1.2	1.1-1.2	1 881	34.0	1 444	28.0	1.2	1.1-1.3	308	19.6	142	9.2	2.1	1.7-2.6
Ib. Acute myeloid	796	8.3	730	8.0	1.0	0.9-1.1	422	7.3	362	6.5	1.1	1.0-1.3	122	7.8	101	6.6	1.2	0.9-1.5
II. Lymphoma	2 201	22.2	1 028	10.7	2.1	1.9-2.2	1 605	26.4	927	15.3	1.7	1.6-1.9	514	32.7	423	27.5	1.2	1.0-1.4
IIa. Hodgkin	848	8.3	366	3.6	2.3	2.0-2.6	623	9.8	444	6.8	1.4	1.3-1.6	249	15.9	271	17.6	0.9	0.8-1.1
IIb&c. Non-Hodgkin & Burkitt	1 161	11.8	516	5.4	2.2	2.0-2.4	847	14.3	403	7.0	2.0	1.8-2.3	220	14.0	129	8.4	1.7	1.3-2.1
III. CNS neoplasms	2 364	24.9	1 944	21.0	1.2	1.1-1.3	1 187	20.9	1 072	19.4	1.1	1.0-1.2	241	15.3	200	13.0	1.2	1.0-1.4
IIIb. Astrocytoma	706	7.4	663	7.1	1.0	0.9-1.2	415	7.2	419	7.5	1.0	0.8-1.1	89	5.7	83	5.4	1.1	0.8-1.4
IIIc. Embryonal	622	6.6	413	4.5	1.5	1.3-1.7	281	5.1	227	4.2	1.2	1.0-1.4	33	2.1	35	2.3	0.9	0.6-1.5
IV. Neuroblastoma	656	7.8	591	7.2	1.1	1.0-1.2	268	5.6	235	5.0	1.1	0.9-1.3	11	0.7	8	0.5	1.4	0.6-3.5
V. Retinoblastoma	417	5.0	397	5.0	1.0	0.9-1.1	173	3.7	175	3.9	0.9	0.8-1.2	0	0.0	3	0.2	0.0	-
VI. Renal tumours	565	6.5	573	6.9	0.9	0.8-1.1	268	5.4	283	5.9	0.9	0.8-1.1	12	0.8	23	1.5	0.5	0.3-1.1
VII. Hepatic tumours	222	2.5	142	1.7	1.5	1.2-1.8	124	2.3	80	1.6	1.4	1.1-1.9	20	1.3	15	1.0	1.3	0.7-2.5
VIII. Bone tumours	626	5.8	567	5.4	1.1	1.0-1.2	562	8.5	418	6.6	1.3	1.1-1.5	282	18.0	160	10.4	1.7	1.4-2.1
VIIIa. Osteosarcoma	376	3.4	331	3.1	1.1	0.9-1.3	347	5.2	232	3.6	1.4	1.2-1.7	174	11.1	89	5.8	1.9	1.5-2.5
IX. Soft tissue sarcoma	765	8.0	633	6.9	1.2	1.0-1.3	481	8.1	414	7.3	1.1	1.0-1.3	172	11.0	115	7.5	1.5	1.2-1.9
IXa. Rhabdomyosarcoma	406	4.4	292	3.3	1.3	1.1-1.5	200	3.6	163	3.1	1.2	0.9-1.4	44	2.8	21	1.4	2.0	1.2-3.4
X. Germ cell tumours	393	4.3	486	5.0	0.9	0.8-1.0	497	7.9	461	7.6	1.0	0.9-1.2	347	22.1	220	14.3	1.5	1.3-1.8
Xc. Malignant gonadal	228	2.6	294	2.9	0.9	0.8-1.1	381	6.0	282	4.5	1.3	1.1-1.6	292	18.6	130	8.5	2.2	1.8-2.7
XI. Other carcinomas, melanoma	332	3.1	376	3.7	0.8	0.7-1.0	582	8.8	857	13.1	0.7	0.6-0.7	344	21.9	589	38.3	0.6	0.5-0.7
XIb. Thyroid	51	0.5	129	1.2	0.4	0.3-0.6	123	1.8	370	5.5	0.3	0.3-0.4	82	5.2	267	17.4	0.3	0.2-0.4
XIc. Other and unspecified	81	0.8	82	0.8	1.0	0.7-1.4	169	2.5	232	3.5	0.7	0.6-0.9	115	7.3	176	11.5	0.6	0.5-0.8
XII. Other and unspecified	188	2.0	165	1.8	1.1	0.9-1.4	234	3.9	192	3.4	1.1	0.9-1.4	100	6.4	76	4.9	1.3	1.0-1.8

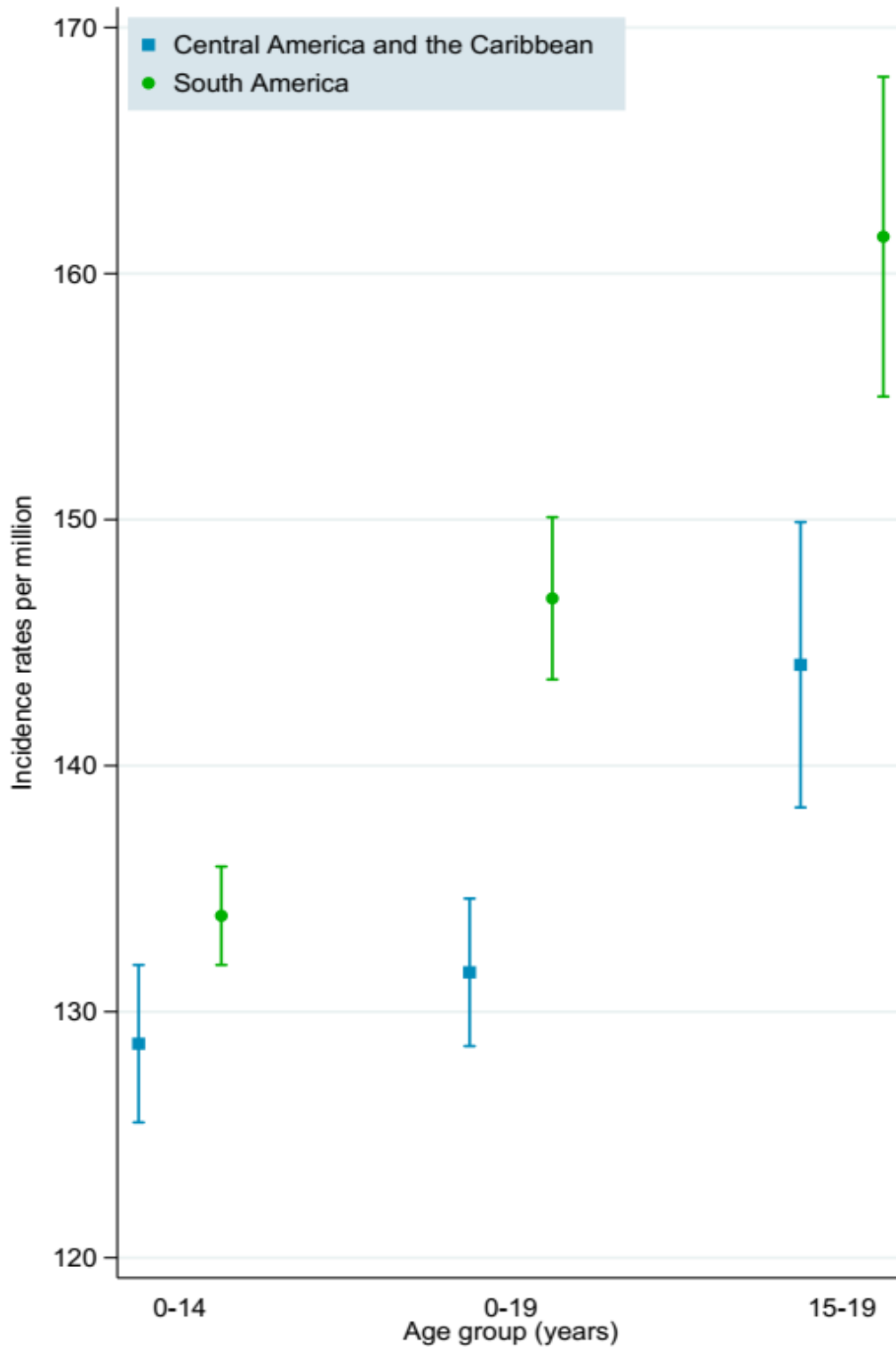


Figure S3: Comparison of childhood cancer incidence in the subregions of Latin America and the Caribbean, 2001-2010. Source: IICC-3 (1).

Age-standardised incidence rate per million (world standard, WSR) (3) is reported for the 0-14 and 0-19 years age groups. Age-specific incidence rate per million (ASR) is reported for the 15-19 years age group.

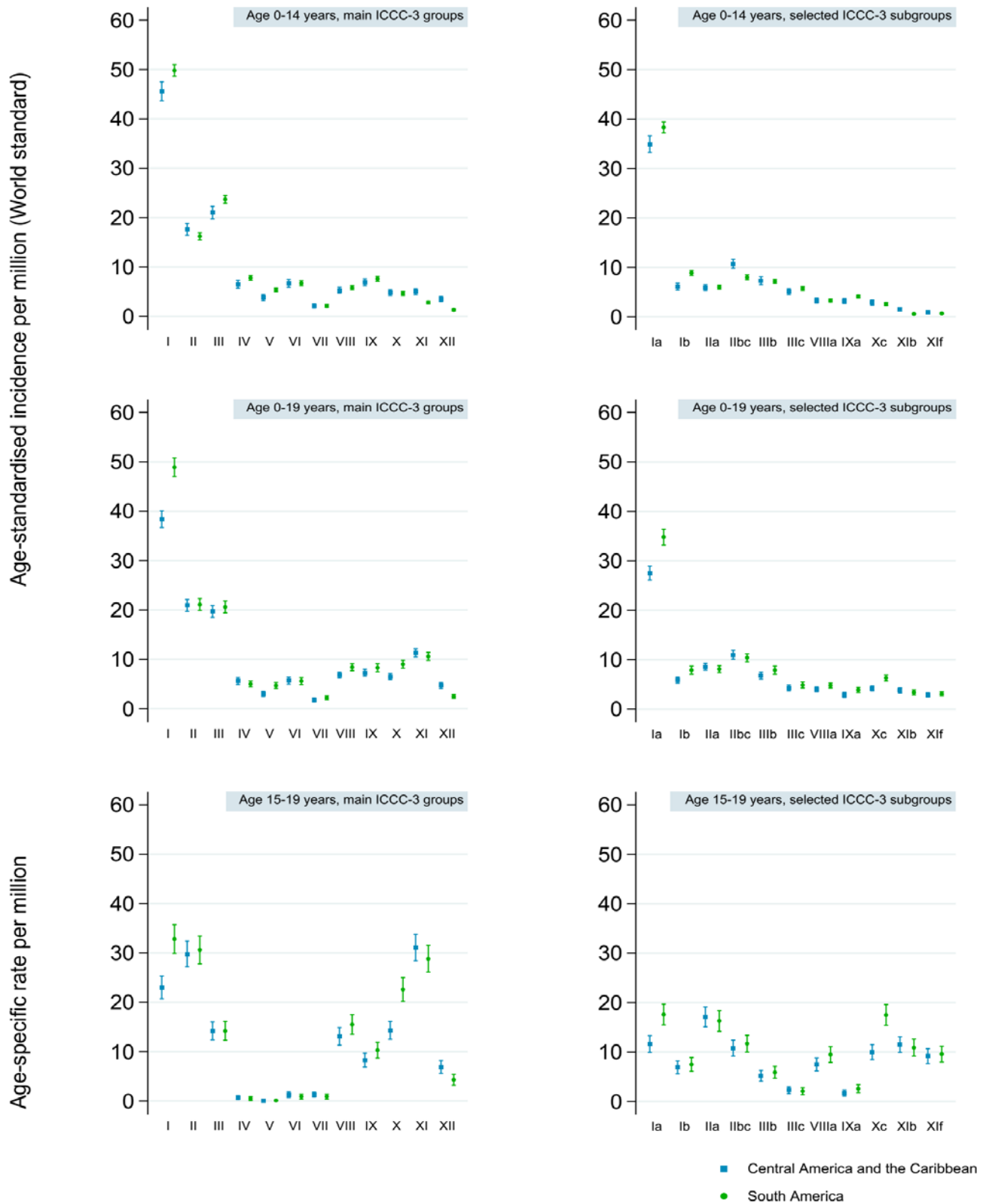


Figure S4: Childhood cancer incidence rates in Central America and the Caribbean compared with South America rates in 2001-2010 over the selected diagnostic categories of the International Classification of Childhood Cancer (ICCC-3) (2). Source: IICC-3 (1).

Table S8: Childhood cancer incidence in Latin America and the Caribbean in 2001-2010 for the selected diagnostic categories of the International Classification of Childhood Cancer (ICCC-3) (2) by subregion. Source: IICC-3 (1).

N, number of cases; WSR, age-standardised rate per million (world standard) (3); CI, confidence interval; ASR, age-specific rate per million; CNS, central nervous system.

ICCC-3 diagnostic categories	Central America and the Caribbean									South America								
	Paediatric dataset			General dataset						Paediatric dataset			General dataset					
	Age 0-14 years			Age 0-19 years			Age 15-19 years			Age 0-14 years			Age 0-19 years			Age 15-19 years		
	N	WSR	95%CI	N	WSR	95%CI	N	ASR	95%CI	N	WSR	95%CI	N	WSR	95%CI	N	ASR	95%CI
Overall	6 305	128.7	125.5-131.9	7 759	131.6	128.6-134.6	353	144.1	138.3-149.9	18 251	133.9	131.9-135.9	8 073	146.8	143.5-150.1	2 380	161.5	155.0-168.0
I. Leukaemia	2 182	45.6	43.7-47.5	2 146	38.4	36.7-40.1	375	23.0	20.7-25.3	6 735	49.8	48.6-51.0	2 591	48.9	47.0-50.8	483	32.8	29.9-35.7
Ia. Lymphoid	1 659	34.9	33.2-36.6	1 507	27.5	26.1-28.9	190	11.6	9.9-13.3	5 164	38.3	37.2-39.4	1 818	34.8	33.2-36.4	260	17.6	15.5-19.7
Ib. Acute myeloid	300	6.1	5.4-6.8	351	5.9	5.3-6.5	113	6.9	5.6-8.2	1 226	8.9	8.4-9.4	433	7.9	7.1-8.7	110	7.5	6.1-8.9
II. Lymphoma	916	17.6	16.4-18.8	1 307	20.9	19.7-22.1	486	29.8	27.2-32.4	2 318	16.2	15.5-16.9	1 225	21.1	19.9-22.3	451	30.6	27.8-33.4
IIa. Hodgkin	323	5.9	5.3-6.5	572	8.6	7.9-9.3	280	17.1	15.1-19.1	895	6.0	5.6-6.4	495	8.1	7.4-8.8	240	16.3	14.2-18.4
IIb&c. Non-Hodgkin & Burkitt	543	10.7	9.8-11.6	658	11.0	10.1-11.9	177	10.8	9.2-12.4	1 135	8.0	7.5-8.5	592	10.4	9.6-11.2	172	11.7	10.0-13.4
III. CNS neoplasms	1 036	21.0	19.7-22.3	1 139	19.7	18.5-20.9	232	14.2	12.4-16	3 272	23.7	22.9-24.5	1 120	20.6	19.4-21.8	209	14.2	12.3-16.1
IIIb. Astrocytoma	368	7.3	6.5-8.1	400	6.8	6.1-7.5	85	5.2	4.1-6.3	1 001	7.2	6.8-7.6	434	7.9	7.1-8.7	87	5.9	4.7-7.1
IIIc. Embryonal	250	5.1	4.5-5.7	245	4.3	3.7-4.9	37	2.3	1.6-3.0	785	5.7	5.3-6.1	263	4.9	4.3-5.5	31	2.1	1.4-2.8
IV. Neuroblastoma	279	6.5	5.7-7.3	268	5.6	4.9-6.3	11	0.7	0.3-1.1	969	7.8	7.3-8.3	235	5.0	4.4-5.6	8	0.5	0.1-0.9
V. Retinoblastoma	159	3.8	3.2-4.4	140	3.0	2.5-3.5	2	0.1	-0.1-0.3	655	5.4	5.0-5.8	208	4.7	4.1-5.3	1	0.1	0.0-0.2
VI. Renal tumours	295	6.7	5.9-7.5	287	5.7	5.0-6.4	22	1.3	0.7-1.9	844	6.7	6.2-7.2	264	5.6	4.9-6.3	13	0.9	0.4-1.4
VII. Hepatic tumours	92	2.1	1.7-2.5	96	1.8	1.4-2.2	21	1.3	0.8-1.8	272	2.1	1.8-2.4	108	2.2	1.8-2.6	14	0.9	0.4-1.4
VIII. Bone tumours	302	5.3	4.7-5.9	462	6.8	6.2-7.4	214	13.1	11.3-14.9	892	5.8	5.4-6.2	518	8.4	7.7-9.1	228	15.5	13.5-17.5
VIIIa. Osteosarcoma	192	3.3	2.8-3.8	278	4.0	3.5-4.5	123	7.5	6.2-8.8	516	3.3	3.0-3.6	301	4.8	4.3-5.3	140	9.5	7.9-11.1
IX. Soft tissue sarcoma	343	6.9	6.2-7.6	430	7.3	6.6-8.0	135	8.3	6.9-9.7	1 055	7.6	7.1-8.1	465	8.3	7.5-9.1	152	10.3	8.7-11.9
IXa. Rhabdomyosarcoma	152	3.2	2.7-3.7	158	2.9	2.4-3.4	27	1.7	1.1-2.3	546	4.1	3.8-4.4	205	3.9	3.4-4.4	38	2.6	1.8-3.4
X. Germ cell tumours	246	4.8	4.2-5.4	421	6.5	5.9-7.1	234	14.3	12.5-16.1	633	4.6	4.2-5.0	537	9.0	8.2-9.8	333	22.6	20.2-25.0
Xc. Malignant gonadal	154	2.9	2.4-3.4	280	4.2	3.7-4.7	164	10.0	8.5-11.5	368	2.6	2.3-2.9	383	6.3	5.7-6.9	258	17.5	15.4-19.6
XI. Other carcinomas, melanoma	284	5.0	4.4-5.6	780	11.3	10.5-12.1	508	31.1	28.4-33.8	424	2.8	2.5-3.1	659	10.6	9.8-11.4	425	28.8	26.1-31.5
XIb. Thyroid	90	1.5	1.2-1.8	271	3.8	3.3-4.3	188	11.5	9.9-13.1	90	0.6	0.5-0.7	222	3.4	2.9-3.9	161	10.9	9.2-12.6
XIc. Other and unspecified	55	1.0	0.7-1.3	204	2.9	2.5-3.3	150	9.2	7.7-10.7	108	0.7	0.6-0.8	197	3.1	2.7-3.5	141	9.6	8.0-11.2
XII. Other and unspecified	171	3.5	3.0-4.0	283	4.7	4.1-5.3	113	6.9	5.6-8.2	182	1.3	1.1-1.5	143	2.5	2.1-2.9	63	4.3	3.2-5.4

Table S9: Cancer incidence in Latin America and the Caribbean, North America and the world (includes Latin America and the Caribbean) over the main diagnostic groups of the International Classification of Childhood Cancer (ICCC-3) (2) and age, 2001-2010. Source: IICC-3 (1).

WSR, age-standardised rate per million (world standard) (3); CNS, central nervous system ASR, age-specific rate per million; – not available.

ICCC-3 main group	Latin America and the Caribbean						North America						World					
	Paediatric dataset			General dataset			Paediatric dataset			General dataset			Paediatric dataset			General dataset		
	Age 0-14 years		Age 0-19 years	Age 15-19 years		Age 0-14 years		Age 0-19 years	Age 15-19 years		Age 0-14 years		Age 0-19 years	Age 15-19 years				
	WSR	95% CI	WSR	95% CI	ASR	95% CI	WSR	95% CI	WSR	95% CI	ASR	95% CI	WSR	95% CI	WSR	95% CI	ASR	95% CI
Overall	132.6	130.9-134.3	139.0	136.8-141.2	152.3	148.0-156.6	164.4	163.4-165.4	176.9	176.0-177.8	220.0	218.1-221.9	141.0	140.5-141.5	158.1	157.5-158.7	190.5	189.3-191.7
I. Leukaemia	48.7	47.7-49.7	43.5	42.2-44.8	27.6	25.8-29.4	52.1	51.5-52.7	47.1	46.6-47.6	29.9	29.2-30.6	45.8	45.5-46.1	43.7	43.4-44.0	28.4	27.9-28.9
II. Lymphoma	16.6	16.0-17.2	21.0	20.2-21.8	30.2	28.3-32.1	15.4	15.1-15.7	22.9	22.6-23.2	48.7	47.8-49.6	15.4	15.2-15.6	21.9	21.7-22.1	41.4	40.9-41.9
III. CNS neoplasms	23.0	22.3-23.7	20.2	19.4-21.0	14.2	12.9-15.5	39.1	38.6-39.6	38.2	37.8-38.6	35.0	34.2-35.8	29.6	29.4-29.8	29.6	29.4-29.8	25.6	25.2-26.0
IV. Neuroblastoma	7.5	7.1-7.9	5.3	4.8-5.8	0.6	0.3-0.9	12.6	12.3-12.9	9.9	9.7-10.1	0.7	0.6-0.8	10.2	10.1-10.3	8.4	8.3-8.5	0.7	0.6-0.8
V. Retinoblastoma	5.0	4.7-5.3	3.8	3.4-4.2	0.1	0.0-0.2	4.7	4.5-4.9	3.6	3.5-3.7	-	-	4.6	4.5-4.7	3.6	3.5-3.7	-	-
VI. Renal tumours	6.7	6.3-7.1	5.7	5.2-6.2	1.1	0.7-1.5	9.2	9.0-9.4	7.5	7.3-7.7	1.6	1.4-1.8	8.1	8.0-8.2	6.7	6.6-6.8	1.4	1.3-1.5
VII. Hepatic tumours	2.1	1.9-2.3	2.0	1.7-2.3	1.1	0.7-1.5	2.9	2.8-3.0	2.6	2.5-2.7	1.3	1.2-1.4	2.4	2.3-2.5	2.3	2.2-2.4	1.4	1.3-1.5
VIII. Bone tumours	5.6	5.3-5.9	7.5	7.0-8.0	14.2	12.9-15.5	6.0	5.8-6.2	7.9	7.7-8.1	14.4	13.9-14.9	5.6	5.5-5.7	7.8	7.7-7.9	14.4	14.1-14.7
IX. Soft tissue sarcoma	7.4	7.0-7.8	7.7	7.2-8.2	9.2	8.1-10.3	10.2	10.0-10.4	11.3	11.1-11.5	15.2	14.7-15.7	8.7	8.6-8.8	10.0	9.9-10.1	12.9	12.6-13.2
X. Germ cell tumours	4.6	4.3-4.9	7.7	7.2-8.2	18.2	16.7-19.7	5.4	5.2-5.6	10.1	9.9-10.3	26.4	25.7-27.1	4.9	4.8-5.0	9.0	8.9-9.1	21.9	21.5-22.3
XI. Other carcinomas, melanoma	3.4	3.1-3.7	10.9	10.3-11.5	30.0	28.1-31.9	5.9	5.7-6.1	14.8	14.6-15.0	45.3	44.4-46.2	4.5	4.4-4.6	13.1	13.0-13.2	39.6	39.1-40.1
XII. Other and unspecified	1.9	1.7-2.1	3.7	3.3-4.1	5.7	4.9-6.5	0.8	0.7-0.9	1.0	0.9-1.1	1.5	1.3-1.7	1.3	1.2-1.4	1.9	1.8-2.0	2.8	2.7-2.9

Table S10: Incidence rates and their changes in children aged 0-19 years in Latin America and the Caribbean region, 1993-2012. Source: IICC-3 (1).

N, number of cases; WSR, age standardised rate per million (world standard) (3); AAPC, average annual percentage change; CI, confidence interval; CNS, central nervous system.

	Latin America and the Caribbean				Central America and the Caribbean				South America			
	N	WSR	AAPC	95%CI	N	WSR	AAPC	95%CI	N	WSR	AAPC	95%CI
Overall	15 193	143.0	1.0	0.6, 1.3	8 215	133.8	1.0	0.5, 1.5	6 978	155.5	0.8	0.4, 1.2
Males	8 257	153.3	0.8	0.4, 1.3	4 457	142.4	0.8	0.1, 1.4	3 800	168.1	0.8	0.1, 1.5
Females	6 936	132.4	1.1	0.6, 1.6	3 758	124.8	1.3	0.6, 2.0	3 178	142.6	0.7	0.1, 1.3
I. Leukaemia	4 698	46.0	0.4	-0.3, 1.1	2 467	42.2	0.8	-0.1, 1.7	2 231	51.0	-0.1	-0.9, 0.8
Males	2 606	49.9	0.3	-0.6, 1.3	1 396	46.5	0.5	-0.6, 1.7	1 210	54.6	0.1	-1.0, 1.2
Females	2 092	41.9	0.4	-0.3, 1.2	1 071	37.7	1.0	0.0, 2.1	1 021	47.4	-0.3	-1.4, 0.7
II. Lymphoma	2 304	20.5	0.1	-0.6, 0.8	1 250	19.0	0.2	-0.8, 1.2	1 054	22.5	0.0	-1.1, 1.1
Males	1 425	25.2	-0.1	-0.9, 0.8	769	23.2	-0.2	-1.4, 1.0	656	27.9	0.0	-1.7, 1.7
Females	879	15.7	0.4	-0.9, 1.7	481	14.7	0.8	-1.0, 2.6	398	16.9	-0.3	-1.7, 1.1
III. CNS neoplasms	2 170	20.7	1.8	1.2, 2.4	1 174	19.4	1.9	1.1, 2.7	996	22.5	1.7	0.8, 2.5
Males	1 167	22.0	1.9	1.2, 2.6	637	20.7	2.0	0.8, 3.3	530	23.7	1.6	0.4, 2.9
Females	1 003	19.5	1.6	0.3, 3.0	537	18.1	1.3	-0.4, 3.1	466	21.4	1.8	0.3, 3.2
IV. Neuroblastoma	462	5.1	0.6	-1.4, 2.6	239	4.6	0.4	-1.8, 2.8	223	5.7	0.5	-2.1, 3.1
Males	244	5.3	-0.3	-2.8, 2.3	132	5.0	-0.7	-3.6, 2.3	112	5.7	-0.3	-3.6, 3.0
Females	218	4.8	1.2	-2.0, 4.5	107	4.2	1.5	-1.6, 4.6	111	5.7	0.9	-3.0, 5.0
V. Retinoblastoma	346	4.0	1.7	0.1, 3.3	155	3.1	0.2	-2.4, 2.8	191	5.2	2.8	0.7, 4.9
Males	179	4.0	1.2	-0.6, 3.1	75	2.9	1.3	-2.5, 5.2	104	5.5	2.6	-0.2, 5.5
Females	167	3.9	2.3	-0.1, 4.7	80	3.3	0.0	-3.6, 3.8	87	4.8	4.3	0.5, 8.2
VI. Renal tumours	500	5.4	0.0	-1.3, 1.3	283	5.3	0.4	-1.6, 2.3	217	5.5	0.0	-2.4, 2.4
Males	244	5.2	-0.1	-2.6, 2.5	130	4.8	-0.5	-3.6, 2.7	114	5.8	0.7	-3.1, 4.7
Females	256	5.6	0.0	-1.7, 1.8	153	5.8	0.5	-1.1, 2.2	103	5.3	-0.3	-3.0, 2.4
VII. Hepatic tumours	176	1.8	4.9	1.9, 8.1	95	1.7	5.2	1.5, 9.0	81	2.0	3.3	-0.2, 6.9
Males	109	2.2	5.2	1.4, 9.2	59	2.0	5.6	0.4, 11.0	50	2.4	3.5	-0.1, 7.3
Females	67	1.4	2.3	-2.1, 6.8	36	1.4	0.4	-4.0, 5.1	31	1.5	4.5	-0.9, 10.2
VIII. Bone tumours	904	7.6	1.4	0.3, 2.6	439	6.4	0.1	-1.8, 2.0	465	9.3	2.5	0.9, 4.2
Males	513	8.5	1.8	0.4, 3.3	240	6.8	0.1	-2.2, 2.5	273	10.9	3.1	0.6, 5.6
Females	391	6.7	0.9	-0.6, 2.4	199	5.9	0.0	-2.4, 2.6	192	7.8	1.6	-0.3, 3.6
IX. Soft tissue sarcoma	921	8.5	-0.2	-1.1, 0.7	486	7.7	0.0	-1.3, 1.3	435	9.6	-0.6	-2.3, 1.1
Males	514	9.4	-0.6	-2.0, 0.9	265	8.3	-1.2	-3.3, 1.0	249	10.9	-0.2	-2.2, 1.8
Females	407	7.6	0.3	-1.2, 1.9	221	7.2	1.7	-0.2, 3.5	186	8.3	-1.3	-3.7, 1.2
X. Germ cell tumours	979	8.6	2.0	0.6, 3.4	533	8.0	0.7	-0.8, 2.2	446	9.3	3.3	1.2, 5.5
Males	534	9.3	3.0	1.6, 4.4	285	8.4	1.4	-0.9, 3.7	249	10.5	4.2	1.9, 6.7
Females	445	7.9	0.7	-1.5, 3.0	248	7.6	-0.2	-2.4, 2.0	197	8.2	2.0	-0.9, 4.9
XI. Other carcinomas, melanoma	1 285	10.7	2.9	1.8, 4.1	776	11.1	2.2	0.8, 3.5	509	10.1	4.1	2.3, 5.9
Males	498	8.2	1.4	-0.3, 3.1	306	8.6	0.8	-1.0, 2.7	192	7.7	2.3	-0.5, 5.1
Females	787	13.2	4.1	2.7, 5.5	470	13.7	3.1	1.5, 4.6	317	12.5	5.4	2.9, 8.0
XII. Other and unspecified	448	4.1	1.3	-1.0, 3.8	318	5.1	4.9	1.5, 8.4	130	2.8	-7.7	-9.6, -5.7
Males	224	4.1	2.4	-0.2, 5.1	163	5.2	6.5	2.8, 10.3	61	2.6	-7.1	-9.2, -4.9
Females	224	4.1	0.0	-2.6, 2.7	155	5.1	3.3	-0.5, 7.2	69	2.9	-7.3	-10.3, -4.2

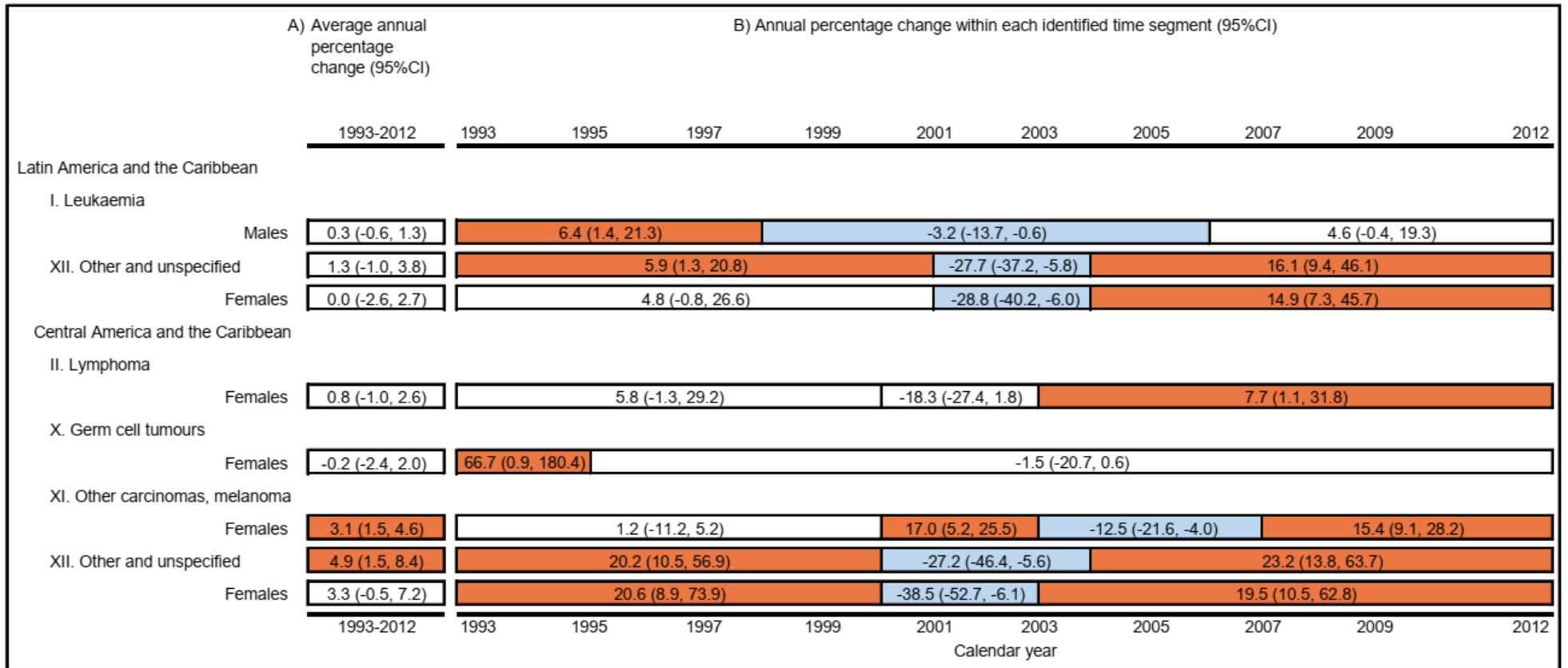


Figure S5: Cancer incidence trends in children aged 0-19 years by sex and cancer type according to ICCC-3 (2) main diagnostic groups, 1993-2012 (A) over period 1993-2012 calculated using Poisson regression of the observed annual incidence rates and (B) in all time segments identified in Joinpoint analysis as having different trends. No joinpoints were identified in the non-reported subsets. Source: IICC-3 (1)

Bars coloured in red indicate an increasing trend, bars coloured in blue indicate a decreasing trend, and white bars indicate non-significant trends. Absence of bars indicates that no joinpoints were identified. CI, confidence interval

Table S11: Coverage of the Latin America and the Caribbean region by population-based cancer registries that provided comparable data to the three volumes of the International Incidence of Childhood Cancer (IICC): IICC-1 (4), IICC-2 (5), and IICC-3 (1) using UN population estimates 2019 (6).

^a French Guiana, Guadeloupe, and Martinique; – not participating in the relevant IICC volume.

Country	IICC-1 - year of reference 1975			IICC-2 - year of reference 1985			IICC-3 - year of reference 2010					
	Age 0-14 years			Age 0-14 years			Age 0-14 years			Age 15-19 years		
	Population (thousands)		Coverage (%)	Population (thousands)		Coverage (%)	Population (thousands)		Coverage (%)	Population (thousands)		Coverage (%)
	Total	Covered		Total	Covered		Total	Covered		Total	Covered	
ARGENTINA	-	-	-	-	-	-	10 222	10 222	100	3 464	736	21.2
BRAZIL	44 072	2 898	6.6	50 613	712	1.4	50 411	1 485	2.9	16 765	598	3.6
CHILE	-	-	-	-	-	-	3 721	3 721	100	1 379	208	15.1
COLOMBIA	10 127	434	4.3	11 063	422	3.8	12 119	1 004	8.3	4 259	371	8.7
COSTA RICA	900	900	100	996	996	100	1 126	1 126	100	426	426	100
CUBA	3 228	3 228	100	2 478	2 478	100	1 922	1 922	100	704	704	100
ECUADOR	-	-	-	3 742	370	9.9	4 590	1 761	38.4	1 456	572	39.3
FRANCE, overseas departments ^a	-	-	-	-	-	-	246	246	100	81	81	100
HONDURAS	-	-	-	-	-	-	2 690	481	17.9	861	141	16.4
JAMAICA	873	212	24.3	-	-	-	744	154	20.7	275	65	23.7
MEXICO	-	-	-	-	-	-	35 553	603	1.7	-	-	-
PERU	-	-	-	8 121	1 841	22.7	8 625	2 539	29.4	2 853	947	33.2
USA, Puerto Rico	1 009	1 009	100	938	938	100	733	733	100	284	284	100
URUGUAY	-	-	-	797	797	100	762	762	100	264	264	100
Central America and the Caribbean	47 430	5 349	11.3	53 824	4 413	8.2	59 659	5 186	8.7	19 396	1 681	8.7
South America	85 930	3 332	3.9	99 028	4 142	4.2	103 660	21 576	20.8	35 523	3 717	10.5
Latin America and the Caribbean	133 360	8 681	6.5	152 852	8 555	5.6	163 320	26 762	16.4	54 919	5 397	9.8

Table S12: Number of cases and incidence of leukaemia in children in three populations, 2001-2010. Source: IICC-3 (7).

N, number of cases; WSR, age standardised rate per million (world standard) (3); ASR, age-specific rate per million.

Region	Age 0-14 years		Age 15-19 years	
	N	WSR	N	ASR
Latin America and the Caribbean	8 917	48.7	858	27.6
North America	32 444	52.1	7 042	29.9
USA, Hispanics	7 366	65.4	1 508	43.0

References

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