

Supplementary table 4:Age-Standardised DALYs rates of Leukemia for Both sex by
Country, 2021

	location	val	upper	lower	Rate_2021
1	Sri Lanka	113.59	157.53	76.58	113.59 (76.58–157.53)
2	Tonga	108.13	147.47	74.47	108.13 (74.47–147.47)
3	Uzbekistan	138.64	169	114.25	138.64 (114.25–169)
4	Serbia	116.7	142.8	87.37	116.7 (87.37–142.8)
5	Cambodia	230.16	305.83	165	230.16 (165–305.83)
6	Fiji	197.02	272.81	109.47	197.02 (109.47–272.81)
7	Azerbaijan	161.58	224.7	113.84	161.58 (113.84–224.7)
8	Croatia	128.69	154.7	106.97	128.69 (106.97–154.7)
9	Lao People's Democratic Republic	209.05	283.05	149.56	209.05 (149.56–283.05)
10	Ireland	90.38	98.48	83.35	90.38 (83.35–98.48)
11	Estonia	135.97	153.28	116.98	135.97 (116.98–153.28)
12	Marshall Islands	162.08	226.71	105.93	162.08 (105.93–226.71)
13	Kazakhstan	106	118.08	95.32	106 (95.32–118.08)
14	Hungary	143.92	173.61	119.25	143.92 (119.25–173.61)
15	Belize	107.63	120.18	96.51	107.63 (96.51–120.18)
16	Lithuania	157.12	175.66	137.07	157.12 (137.07–175.66)
17	Panama	190.24	225.54	158.91	190.24 (158.91–225.54)
18	United Arab Emirates	155.72	202.22	119.21	155.72 (119.21–202.22)
19	Cyprus	122.67	152.83	85.22	122.67 (85.22–152.83)
20	Netherlands	101.44	109.25	94.56	101.44 (94.56–109.25)
21	Democratic People's Republic of Korea	187.57	265.5	134.5	187.57 (134.5–265.5)
22	Canada	113.08	121.64	104.94	113.08 (104.94–121.64)
23	Finland	95.77	103.04	88.57	95.77 (88.57–103.04)
24	New Zealand	119	125.07	112.31	119 (112.31–125.07)

25	Timor-Leste	179.2	234.58	133.61	179.2 (133.61-234.58)
26	Guyana	134.45	172.61	103.32	134.45 (103.32-172.61)
27	Portugal	113.78	122.89	104.86	113.78 (104.86-122.89)
28	Albania	97.61	137.85	67.66	97.61 (67.66-137.85)
29	Slovenia	110.2	127.79	94.21	110.2 (94.21-127.79)
30	Colombia	175.72	207.64	147.53	175.72 (147.53-207.64)
31	Japan	91.59	94.71	87.07	91.59 (87.07-94.71)
32	Bulgaria	151.83	183.06	123.46	151.83 (123.46-183.06)
33	Jamaica	131.11	169.38	100.75	131.11 (100.75-169.38)
34	Belarus	144.2	175.05	119.18	144.2 (119.18-175.05)
35	Singapore	87.57	95.13	80.79	87.57 (80.79-95.13)
36	Cote d'Ivoire	34.99	52.33	19.78	34.99 (19.78-52.33)
37	Maldives	89.57	118.43	64.96	89.57 (64.96-118.43)
38	El Salvador	211.09	261.8	152.18	211.09 (152.18-261.8)
39	Algeria	83.21	107.07	61.37	83.21 (61.37-107.07)
40	Ghana	58.86	85.62	39.78	58.86 (39.78-85.62)
41	India	94.82	114.8	75.53	94.82 (75.53-114.8)
42	Montenegro	116.84	145.18	92.81	116.84 (92.81-145.18)
43	Russian Federation	119.54	128.02	111.82	119.54 (111.82-128.02)
44	Cook Islands	40.35	52.81	27.91	40.35 (27.91-52.81)
45	Andorra	127.18	175.38	83.64	127.18 (83.64-175.38)
46	Sweden	94.73	104.28	85.44	94.73 (85.44-104.28)
47	Papua New Guinea	136.43	196.38	78.21	136.43 (78.21-196.38)
48	Belgium	131.05	142.19	120.91	131.05 (120.91-142.19)
49	Antigua and Barbuda	127.75	135.75	120.44	127.75 (120.44-135.75)
50	Honduras	182.25	258.82	126.14	182.25 (126.14-258.82)
51	San Marino	135.92	194.8	89.08	135.92 (89.08-194.8)
52	Egypt	214.87	270.79	148.57	214.87 (148.57-270.79)
53	Mauritania	46.94	70.21	24.14	46.94 (24.14-70.21)
54	Monaco	302.64	373.64	223.33	302.64 (223.33-373.64)

55	Mali	35.37	53.52	21.68	35.37 (21.68–53.52)
56	Saint Vincent and the Grenadines	168.7	194.38	146.3	168.7 (146.3–194.38)
57	Nigeria	49.23	66.53	27.13	49.23 (27.13–66.53)
58	Niue	277.47	343.33	205	277.47 (205–343.33)
59	Pakistan	149.82	203.55	112.87	149.82 (112.87–203.55)
60	Dominica	225.74	285.31	166.03	225.74 (166.03–285.31)
61	Djibouti	96.13	157.65	54.21	96.13 (54.21–157.65)
62	Uganda	76.19	111.06	45.43	76.19 (45.43–111.06)
63	Grenada	156.67	176.34	137.01	156.67 (137.01–176.34)
64	Ethiopia	252.01	367.3	178.46	252.01 (178.46–367.3)
65	Chile	116.23	123.79	108.83	116.23 (108.83–123.79)
66	Paraguay	166.34	213.56	121.14	166.34 (121.14–213.56)
67	Senegal	54.82	84.89	26.82	54.82 (26.82–84.89)
68	Cameroon	60.78	88.01	29.2	60.78 (29.2–88.01)
69	Equatorial Guinea	70.36	116.48	35.97	70.36 (35.97–116.48)
70	Chad	63.16	91.69	32.59	63.16 (32.59–91.69)
71	Mozambique	145.93	218.7	93.49	145.93 (93.49–218.7)
72	Eswatini	136.85	204.53	89.36	136.85 (89.36–204.53)
73	Ecuador	212.19	252.42	175.98	212.19 (175.98–252.42)
74	Guinea-Bissau	67.23	90.71	38.16	67.23 (38.16–90.71)
75	Angola	77.34	115.58	47.65	77.34 (47.65–115.58)
76	Armenia	132.63	148.51	118.3	132.63 (118.3–148.51)
77	Syrian Arab Republic	204.7	279.86	147.58	204.7 (147.58–279.86)
78	Guam	108.4	131.51	82.85	108.4 (82.85–131.51)
79	Kenya	72.92	99.27	52.15	72.92 (52.15–99.27)
80	Botswana	96.68	136.02	66.46	96.68 (66.46–136.02)
81	Germany	121.05	128.97	112.99	121.05 (112.99–128.97)
82	Italy	128.5	135.84	120.97	128.5 (120.97–135.84)
83	Malta	117.44	132.15	103.09	117.44 (103.09–132.15)
84	Iraq	198.36	255.89	150.4	198.36 (150.4–255.89)

85	Morocco	37.97	51.11	26.26	37.97 (26.26–51.11)
86	Viet Nam	96.91	129.69	72.06	96.91 (72.06–129.69)
87	Taiwan (Province of China)	114.16	123.11	105.12	114.16 (105.12–123.11)
88	Jordan	173.84	228.09	125.65	173.84 (125.65–228.09)
89	Bosnia and Herzegovina	103.69	130.05	76.82	103.69 (76.82–130.05)
90	Micronesia (Federated States of)	164.12	226.41	108.17	164.12 (108.17–226.41)
91	Malaysia	170.54	204.89	139.92	170.54 (139.92–204.89)
92	Myanmar	206.05	274.94	153.23	206.05 (153.23–274.94)
93	Samoa	171.84	236.76	130.77	171.84 (130.77–236.76)
94	Republic of Korea	81.98	99.63	53.19	81.98 (53.19–99.63)
95	China	151.54	185.06	108.71	151.54 (108.71–185.06)
96	Republic of Moldova	99.7	114.32	87.87	99.7 (87.87–114.32)
97	Palestine	178.52	229.9	145.01	178.52 (145.01–229.9)
98	France	125.11	135.56	114.44	125.11 (114.44–135.56)
99	Spain	108.28	116.3	99.82	108.28 (99.82–116.3)
100	Saint Lucia	131.75	159.21	108.56	131.75 (108.56–159.21)
101	Ukraine	133.35	168.08	101.55	133.35 (101.55–168.08)
102	Guatemala	186.28	217.3	160.05	186.28 (160.05–217.3)
103	Greece	166.28	175.86	156.39	166.28 (156.39–175.86)
104	Switzerland	100.66	110.76	91.02	100.66 (91.02–110.76)
105	Bangladesh	109.76	147.62	77.48	109.76 (77.48–147.62)
106	Kyrgyzstan	105.92	125.65	87.34	105.92 (87.34–125.65)
107	Suriname	137.56	174.21	102.71	137.56 (102.71–174.21)
108	Mexico	198.89	217.37	180.95	198.89 (180.95–217.37)

109	North Macedonia	123.32	157.34	86.35	123.32 (86.35–157.34)
110	Gabon	75.79	113.38	45.3	75.79 (45.3–113.38)
111	Rwanda	98.56	151.34	60.31	98.56 (60.31–151.34)
112	Zimbabwe	153.41	202.41	108.83	153.41 (108.83–202.41)
113	Tunisia	89.6	121.73	62.89	89.6 (62.89–121.73)
114	Liberia	57.15	84.59	26.34	57.15 (26.34–84.59)
115	Poland	126.09	137.18	116.17	126.09 (116.17–137.18)
116	Austria	110.59	119.04	101.87	110.59 (101.87–119.04)
117	Tajikistan	125.78	193.72	80.82	125.78 (80.82–193.72)
118	Luxembourg	131.5	146.54	119.18	131.5 (119.18–146.54)
119	United States Virgin Islands	100.51	135.53	72.53	100.51 (72.53–135.53)
120	Uruguay	180.01	195.14	166.16	180.01 (166.16–195.14)
121	Peru	184.76	244.32	116.19	184.76 (116.19–244.32)
122	Brazil	136.6	142.97	129.79	136.6 (129.79–142.97)
123	Sao Tome and Principe	26.94	42.04	16.83	26.94 (16.83–42.04)
124	Eritrea	111.52	159.26	68.45	111.52 (68.45–159.26)
125	Zambia	103.8	147.47	65.17	103.8 (65.17–147.47)
126	Cabo Verde	110.41	141.49	81.84	110.41 (81.84–141.49)
127	Democratic Republic of the Congo	71.26	104.27	44.49	71.26 (44.49–104.27)
128	Sierra Leone	58.49	84.42	28.03	58.49 (28.03–84.42)
129	Congo	79.27	111.05	50.57	79.27 (50.57–111.05)
130	Malawi	32.35	53.39	17.59	32.35 (17.59–53.39)
131	Mongolia	108.12	137.35	80.38	108.12 (80.38–137.35)
132	American Samoa	133.94	169.23	100.89	133.94 (100.89–169.23)
133	Mauritius	114.75	120.33	107.23	114.75 (107.23–120.33)
134	Türkiye	178.55	219.53	131.27	178.55 (131.27–219.53)

135	South Africa	110.18	126.48	82.09	110.18 (82.09–126.48)
136	Guinea	19.52	32.68	10.53	19.52 (10.53–32.68)
137	Namibia	80.61	114.99	55.23	80.61 (55.23–114.99)
138	Palau	90.16	111.38	69.27	90.16 (69.27–111.38)
139	Lebanon	147.71	189.82	116.57	147.71 (116.57–189.82)
140	Tuvalu	142.63	184	96.75	142.63 (96.75–184)
141	Somalia	109.61	154.64	70.87	109.61 (70.87–154.64)
142	Burundi	96.33	148.7	54.55	96.33 (54.55–148.7)
143	Benin	58.69	84.1	28.27	58.69 (28.27–84.1)
144	Qatar	110.56	149.68	76.68	110.56 (76.68–149.68)
145	Afghanistan	373.66	553.13	215.7	373.66 (215.7–553.13)
146	Bahrain	137.5	180.84	100.29	137.5 (100.29–180.84)
147	Slovakia	132.4	170.41	95.17	132.4 (95.17–170.41)
148	Brunei Darussalam	148.58	177.34	112.66	148.58 (112.66–177.34)
149	Denmark	130.57	141.57	120.77	130.57 (120.77–141.57)
150	Norway	101.59	106.82	95.7	101.59 (95.7–106.82)
151	Haiti	260.85	396.25	158.21	260.85 (158.21–396.25)
152	Costa Rica	215.21	235.19	194.03	215.21 (194.03–235.19)
153	Kiribati	132.06	190.85	75.7	132.06 (75.7–190.85)
154	Oman	89.31	114.25	67.65	89.31 (67.65–114.25)
155	Bahamas	128.38	160.47	102.63	128.38 (102.63–160.47)
156	Czechia	132.89	153.08	113.47	132.89 (113.47–153.08)
157	Bhutan	109.68	166.91	71.25	109.68 (71.25–166.91)
158	Latvia	140.71	162.2	121.07	140.71 (121.07–162.2)
159	Indonesia	182.22	232.04	146.79	182.22 (146.79–232.04)
160	Saudi Arabia	117.11	171.03	86.82	117.11 (86.82–171.03)
161	Australia	121.72	130.54	113.34	121.72 (113.34–130.54)
162	Iceland	107.89	118.75	97.73	107.89 (97.73–118.75)
163	Georgia	165.23	182.16	148.85	165.23 (148.85–182.16)

164	United Kingdom	112.34	116	107.58	112.34 (107.58–116)
165	Nepal	107.65	149.83	79.16	107.65 (79.16–149.83)
166	Nicaragua	137.89	168.47	96.32	137.89 (96.32–168.47)
167	Israel	132.65	142.35	123.13	132.65 (123.13–142.35)
168	Argentina	153.09	165.64	143.18	153.09 (143.18–165.64)
169	Comoros	104.04	148.9	68.7	104.04 (68.7–148.9)
170	Romania	128.38	144.82	111.25	128.38 (111.25–144.82)
171	Venezuela (Bolivarian Republic of)	182.19	240.05	134.31	182.19 (134.31–240.05)
172	Kuwait	83.85	101.13	69.26	83.85 (69.26–101.13)
173	Dominican Republic	133.35	172.73	99.41	133.35 (99.41–172.73)
174	Yemen	202.29	296.09	112.01	202.29 (112.01–296.09)
175	Trinidad and Tobago	150.95	191.98	118.94	150.95 (118.94–191.98)
176	Seychelles	154.47	185.95	124.91	154.47 (124.91–185.95)
177	Solomon Islands	163.93	222.14	100.04	163.93 (100.04–222.14)
178	Turkmenistan	136.92	170.1	110.18	136.92 (110.18–170.1)
179	Central African Republic	93.19	131.69	58.7	93.19 (58.7–131.69)
180	United Republic of Tanzania	103.24	151.88	64.81	103.24 (64.81–151.88)
181	Madagascar	83.08	113.88	54.79	83.08 (54.79–113.88)
182	Bolivia (Plurinational State of)	260.74	349.96	181.12	260.74 (181.12–349.96)
183	Burkina Faso	61.22	85.05	29.43	61.22 (29.43–85.05)
184	Vanuatu	136.07	178.94	88.88	136.07 (88.88–178.94)
185	Philippines	176.64	207.7	144.88	176.64 (144.88–207.7)
186	Niger	52.94	84.51	24.21	52.94 (24.21–84.51)

187	South Sudan	124.51	172.74	82.26	124.51 (82.26–172.74)
188	Nauru	203.41	297.91	132.56	203.41 (132.56–297.91)
189	Thailand	186.32	241.88	115.21	186.32 (115.21–241.88)
190	Lesotho	147.36	199.28	105.32	147.36 (105.32–199.28)
191	Togo	55.01	80.04	25.79	55.01 (25.79–80.04)
192	Gambia	24.09	33.45	16.07	24.09 (16.07–33.45)
193	Northern Mariana Islands	116.46	139.17	87.83	116.46 (87.83–139.17)
194	Saint Kitts and Nevis	122.91	145.2	103.34	122.91 (103.34–145.2)
195	Bermuda	109.7	132.33	91.47	109.7 (91.47–132.33)
196	Tokelau	323.48	494.19	190.23	323.48 (190.23–494.19)
197	Greenland	73.21	96.2	54.92	73.21 (54.92–96.2)
198	Iran (Islamic Republic of)	176.34	205.76	116.43	176.34 (116.43–205.76)
199	Puerto Rico	135.61	158.87	112.4	135.61 (112.4–158.87)
200	Libya	229.86	309.04	168.23	229.86 (168.23–309.04)
201	United States of America	132.89	137.57	125.97	132.89 (125.97–137.57)
202	Sudan	226.2	323.49	136.95	226.2 (136.95–323.49)
203	Barbados	163.64	205.71	127.3	163.64 (127.3–205.71)
204	Cuba	129.84	147.66	113.33	129.84 (113.33–147.66)
	The average age-standardized DALYs rate	130.887 0588	166.876 6667	98.7976 9608	130.89 (98.80–166.88)
