

Appendices

Appendix A

“The International Classification of Diseases (ICD) definition of leukaemias and lymphomas used in the GBD 2019 study has been defined previously ^{1 2}. ICD codes mapped to the GBD cause list for leukaemia or lymphoma incidence data are as follows: AML (C92.0–C92.02, C92.3–C92.62, C93.0–C93.02, C94.0–C94.02, C94.2–C94.22), ALL (C91.0–C91.02), CML (C92.1–C92.12), CLL (C91.1–C91.12), HL (C81–C81.49, C81.7–C81.79, C81.9–C81.99, Z85.71–Z85.72), and NHL (C82–C85.29, C85.7–C86.6, C96–C96.9) ^{1 2}. ICD codes mapped to the GBD cause list for leukaemia or lymphoma mortality data are as follows: AML (C92.0, C92.3–C92.6, C93.0, C94.0, C94.2, C94.4–C94.5), ALL (C91.0), CML (C92.1), CLL (C91.1), HL (C81–C81.9), and NHL (C82–C86.6, C96–C96.9) ^{1 2}.

References

1. Vos T, Lim SS, Abbafati C, et al. Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet* 2020;396(10258):1204-22. doi: 10.1016/s0140-6736(20)30925-9
2. Global Burden of Disease Cancer Collaboration. Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019: A Systematic Analysis for the Global Burden of Disease Study 2019. *JAMA Oncology* 2022;8(3):420-44. doi: 10.1001/jamaoncol.2021.6987

Appendix B

Table B1 - Age-specific rates in Australasia and Oceania by age groups and by sex (2010)

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
AUSTRALASIA																		
Incidence																		
<5 years	3.68	3.49	3.88	0.64	0.65	0.62	0.00	0.00	0.00	0.10	0.09	0.11	0.22	0.21	0.23	0.00	0.00	0.00
5-9 years	3.19	3.64	2.71	0.36	0.30	0.42	0.00	0.00	0.00	0.05	0.03	0.07	0.36	0.41	0.31	1.26	1.85	0.64
10-14 years	1.50	1.64	1.34	0.43	0.38	0.49	0.00	0.00	0.00	0.06	0.05	0.07	0.72	0.85	0.59	1.23	1.61	0.83
15-19 years	1.93	2.49	1.33	0.94	0.94	0.94	0.00	0.00	0.00	0.12	0.10	0.15	2.66	2.49	2.83	2.47	3.06	1.85
20-24 years	1.25	1.58	0.90	0.89	0.83	0.95	0.11	0.09	0.13	0.25	0.20	0.31	4.60	4.13	5.09	2.02	2.41	1.62
25-29 years	0.92	0.98	0.86	0.93	0.92	0.93	0.10	0.09	0.11	0.38	0.34	0.42	4.79	4.73	4.85	2.09	2.55	1.63
30-34 years	0.63	0.74	0.52	0.80	0.79	0.82	0.10	0.08	0.11	0.35	0.34	0.35	3.71	4.02	3.42	2.66	3.49	1.86
35-39 years	0.58	0.64	0.54	1.01	0.94	1.07	0.17	0.25	0.10	0.53	0.45	0.61	3.01	3.60	2.45	3.78	4.80	2.80
40-44 years	0.63	0.65	0.62	1.26	1.15	1.36	0.38	0.56	0.21	0.58	0.48	0.67	2.68	3.37	2.03	3.57	4.55	2.64
45-49 years	0.90	0.83	0.98	1.77	1.68	1.86	1.04	1.55	0.55	0.67	0.55	0.78	2.19	2.59	1.80	6.07	8.01	4.20
50-54 years	1.55	1.43	1.68	2.69	2.66	2.73	2.65	4.08	1.26	0.97	0.70	1.23	2.14	2.65	1.66	10.58	13.36	7.90
55-59 years	2.46	2.28	2.63	3.96	3.98	3.95	5.46	7.88	3.11	1.41	0.90	1.90	2.34	2.90	1.79	18.17	23.93	12.60
60-64 years	3.89	3.57	4.21	6.47	7.10	5.86	9.24	13.38	5.16	1.91	1.44	2.38	2.64	2.89	2.39	27.29	34.81	19.86
65-69 years	5.54	5.70	5.37	10.74	12.57	8.95	13.75	18.98	8.64	2.78	2.18	3.36	3.03	3.49	2.58	46.37	59.69	33.34
70-74 years	7.57	8.71	6.50	17.29	20.26	14.51	22.80	32.32	13.91	5.80	4.16	7.32	3.31	3.76	2.88	74.78	95.43	55.52
75-79 years	7.25	9.05	5.71	21.47	26.59	17.06	27.79	39.45	17.74	7.75	5.91	9.33	4.04	4.31	3.81	113.53	136.31	93.89
80-84 years	6.55	8.05	5.43	26.59	31.89	22.61	22.93	32.71	15.58	12.47	9.85	14.44	4.91	5.63	4.36	125.51	153.47	104.50
85+ years	6.51	7.83	5.82	34.60	41.17	31.19	35.57	49.93	28.11	20.89	17.36	22.72	7.05	8.57	6.25	168.07	211.16	145.67
Prevalence																		
<5 years	30.07	28.42	31.82	1.66	1.37	1.97	0.00	0.00	0.00	0.52	0.40	0.64	1.95	1.85	2.05	0.00	0.00	0.00

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
5-9 years	24.86	28.16	21.38	0.85	0.58	1.15	0.00	0.00	0.00	0.28	0.14	0.42	3.21	3.64	2.75	5.13	9.99	0.00
10-14 years	10.64	11.41	9.82	0.91	0.64	1.19	0.00	0.00	0.00	0.31	0.20	0.42	6.39	7.48	5.23	4.62	9.00	0.00
15-19 years	12.97	16.52	9.24	2.93	2.48	3.40	0.00	0.00	0.00	0.65	0.43	0.87	23.51	22.07	25.02	17.21	21.49	12.71
20-24 years	8.64	10.57	6.66	2.26	1.75	2.78	0.96	0.80	1.12	1.30	0.83	1.79	40.96	36.68	45.35	12.50	15.87	9.04
25-29 years	6.41	6.59	6.22	1.95	1.55	2.34	0.86	0.75	0.98	1.84	1.30	2.38	42.25	41.62	42.87	13.95	17.06	10.88
30-34 years	4.11	4.67	3.56	1.37	1.04	1.70	0.81	0.70	0.92	1.59	1.26	1.91	32.47	35.09	29.92	18.27	23.69	13.03
35-39 years	3.93	4.06	3.81	1.56	1.17	1.93	1.43	2.09	0.81	2.48	1.59	3.33	26.15	31.21	21.33	26.28	33.18	19.71
40-44 years	4.43	4.27	4.59	1.74	1.27	2.19	3.08	4.46	1.76	2.62	1.60	3.58	23.13	29.05	17.48	21.29	26.71	16.13
45-49 years	6.48	5.61	7.31	2.68	2.08	3.26	8.48	12.55	4.54	3.11	1.95	4.23	18.50	21.84	15.28	35.73	47.17	24.68
50-54 years	11.88	10.19	13.51	4.02	3.16	4.85	21.44	32.72	10.52	4.55	2.45	6.58	17.99	22.05	14.06	66.28	86.34	46.89
55-59 years	19.16	17.02	21.23	4.89	3.87	5.88	44.09	63.13	25.66	6.42	2.50	10.23	18.72	23.11	14.47	112.26	153.67	72.19
60-64 years	29.74	27.06	32.39	6.79	6.51	7.07	72.83	104.29	41.72	8.59	3.85	13.27	20.48	22.25	18.73	176.67	228.63	125.30
65-69 years	42.41	43.57	41.28	10.17	10.88	9.48	104.63	141.82	68.29	12.02	5.29	18.60	21.05	24.11	18.06	303.28	387.86	220.62
70-74 years	58.96	65.83	52.55	14.38	15.72	13.12	164.89	229.69	104.43	25.72	9.60	40.76	18.43	20.60	16.40	480.04	609.76	359.01
75-79 years	50.48	60.87	41.53	16.85	19.34	14.70	186.37	256.10	126.25	33.69	14.00	50.67	20.50	20.12	20.83	704.29	825.50	599.80
80-84 years	35.88	44.74	29.22	25.62	30.12	22.24	103.78	139.63	76.85	52.18	22.05	74.81	24.65	26.60	23.19	546.69	653.16	466.71
85+ years	28.29	34.45	25.08	27.22	29.73	25.92	107.51	137.41	91.97	76.75	35.62	98.13	29.74	31.23	28.97	584.51	728.80	509.52
DALYs																		
<5 years	33.57	34.38	32.72	32.33	36.71	27.71	0.00	0.00	0.00	2.28	3.10	1.41	0.79	0.79	0.79	9.81	11.49	8.04
5-9 years	41.77	50.96	32.08	17.54	16.11	19.05	0.00	0.00	0.00	0.97	1.08	0.86	1.31	1.53	1.07	13.04	19.17	6.59
10-14 years	29.70	34.46	24.68	20.93	20.13	21.78	0.00	0.00	0.00	1.35	1.70	0.97	2.75	3.45	2.01	12.63	16.52	8.52
15-19 years	44.58	60.09	28.25	35.59	38.33	32.69	0.00	0.00	0.00	1.94	2.42	1.45	7.98	7.62	8.36	25.11	31.09	18.82
20-24 years	26.17	36.41	15.66	34.85	35.54	34.14	0.80	0.78	0.83	4.06	4.95	3.14	13.92	13.00	14.86	32.22	38.55	25.74
25-29 years	18.70	21.78	15.67	36.99	40.25	33.77	0.71	0.73	0.70	6.53	8.72	4.36	18.66	19.00	18.33	31.77	38.63	24.98
30-34 years	12.69	16.50	9.00	32.40	35.05	29.84	0.69	0.71	0.69	6.29	8.97	3.70	15.58	17.69	13.53	38.10	49.78	26.81

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
35-39 years	10.59	12.98	8.32	38.59	39.47	37.75	1.32	2.12	0.56	8.50	11.08	6.05	13.96	17.13	10.95	50.22	63.84	37.25
40-44 years	9.82	11.54	8.19	45.96	46.23	45.70	2.81	4.46	1.24	8.92	11.41	6.54	13.31	16.79	9.99	65.38	83.14	48.45
45-49 years	10.29	11.39	9.23	56.19	58.20	54.25	6.83	10.99	2.81	8.87	11.34	6.49	11.62	14.15	9.18	100.43	132.28	69.66
50-54 years	13.20	14.47	11.99	76.51	82.43	70.79	15.87	26.15	5.92	10.92	12.82	9.09	10.92	13.72	8.21	156.47	196.83	117.43
55-59 years	14.77	16.26	13.34	103.10	112.22	94.27	28.96	45.36	13.09	15.02	18.12	12.02	14.32	17.88	10.87	236.72	310.98	164.85
60-64 years	16.92	18.47	15.39	153.16	177.90	128.70	50.95	78.81	23.42	18.94	25.61	12.34	16.51	18.83	14.22	323.60	412.20	236.00
65-69 years	19.95	22.65	17.33	223.90	273.52	175.40	77.41	114.56	41.10	25.37	36.43	14.56	21.87	25.61	18.22	468.61	603.00	337.26
70-74 years	24.34	29.50	19.53	311.90	378.56	249.71	128.63	194.23	67.42	41.61	58.00	26.33	26.91	30.38	23.68	632.89	808.40	469.13
75-79 years	24.21	30.78	18.55	323.26	414.37	244.72	150.67	225.50	86.17	46.15	65.79	29.22	28.46	32.00	25.41	781.55	940.58	644.47
80-84 years	23.76	29.38	19.53	305.46	378.02	250.97	172.03	253.91	110.53	56.89	80.97	38.81	26.56	30.73	23.43	866.29	1063.97	717.82
85+ years	21.99	26.97	19.40	247.01	336.78	200.36	225.66	332.13	170.32	69.92	106.41	50.95	22.14	28.86	18.64	835.96	1072.56	712.99
Deaths																		
<5 years	0.36	0.37	0.35	0.37	0.42	0.32	0.00	0.00	0.00	0.03	0.04	0.02	0.01	0.01	0.01	0.11	0.13	0.09
5-9 years	0.49	0.60	0.37	0.21	0.20	0.23	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.15	0.22	0.08
10-14 years	0.38	0.44	0.31	0.27	0.26	0.28	0.00	0.00	0.00	0.02	0.02	0.01	0.03	0.04	0.02	0.16	0.20	0.11
15-19 years	0.61	0.82	0.38	0.49	0.53	0.45	0.00	0.00	0.00	0.03	0.03	0.02	0.09	0.09	0.09	0.33	0.41	0.25
20-24 years	0.38	0.53	0.23	0.52	0.53	0.51	0.01	0.01	0.01	0.06	0.07	0.05	0.17	0.16	0.18	0.47	0.56	0.37
25-29 years	0.29	0.34	0.24	0.60	0.65	0.54	0.01	0.01	0.01	0.10	0.14	0.07	0.26	0.26	0.26	0.49	0.60	0.39
30-34 years	0.22	0.28	0.15	0.57	0.62	0.52	0.01	0.01	0.01	0.11	0.16	0.06	0.24	0.27	0.21	0.64	0.84	0.45
35-39 years	0.20	0.24	0.15	0.74	0.76	0.73	0.02	0.04	0.01	0.16	0.21	0.11	0.24	0.29	0.19	0.92	1.17	0.69
40-44 years	0.20	0.24	0.17	0.98	0.98	0.97	0.05	0.09	0.02	0.19	0.24	0.13	0.25	0.32	0.19	1.35	1.71	1.00
45-49 years	0.23	0.26	0.20	1.33	1.38	1.28	0.14	0.23	0.06	0.21	0.27	0.15	0.25	0.30	0.20	2.30	3.02	1.60
50-54 years	0.33	0.36	0.29	2.04	2.20	1.88	0.37	0.61	0.13	0.28	0.34	0.23	0.26	0.32	0.19	4.01	5.05	3.02
55-59 years	0.40	0.45	0.35	3.15	3.43	2.87	0.75	1.19	0.33	0.45	0.55	0.34	0.40	0.49	0.30	6.88	9.03	4.80
60-64 years	0.51	0.57	0.44	5.45	6.33	4.57	1.56	2.43	0.70	0.65	0.90	0.40	0.53	0.61	0.46	10.91	13.88	7.98

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
65-69 years	0.69	0.80	0.58	9.48	11.59	7.42	2.81	4.18	1.46	1.04	1.53	0.56	0.85	0.99	0.70	18.56	23.81	13.43
70-74 years	1.00	1.23	0.78	16.14	19.60	12.92	5.69	8.63	2.94	2.05	2.97	1.20	1.31	1.47	1.16	29.99	38.15	22.38
75-79 years	1.26	1.63	0.95	21.14	27.10	16.00	8.36	12.56	4.73	2.84	4.24	1.64	1.72	1.95	1.52	45.52	54.53	37.75
80-84 years	1.66	2.08	1.35	25.91	32.06	21.29	13.45	19.88	8.62	4.45	6.71	2.74	1.96	2.26	1.73	67.50	82.33	56.36
85+ years	2.24	2.76	1.96	29.33	39.43	24.08	25.75	37.40	19.69	7.63	12.29	5.21	1.98	2.63	1.64	90.34	113.20	78.46
OCEANIA																		
Incidence																		
<5 years	1.18	1.31	1.03	1.42	1.62	1.20	0.00	0.00	0.00	0.19	0.26	0.10	0.02	0.02	0.02	0.00	0.00	0.00
5-9 years	0.74	0.63	0.86	0.74	0.64	0.85	0.00	0.00	0.00	0.09	0.13	0.04	0.14	0.25	0.03	0.34	0.49	0.17
10-14 years	0.65	0.43	0.90	0.79	0.33	1.30	0.00	0.00	0.00	0.14	0.04	0.25	0.09	0.14	0.02	0.55	0.32	0.81
15-19 years	0.52	0.66	0.36	1.65	2.04	1.22	0.00	0.00	0.00	0.03	0.04	0.03	0.20	0.30	0.08	0.65	0.72	0.57
20-24 years	0.34	0.38	0.30	0.98	1.37	0.56	0.02	0.02	0.03	0.11	0.17	0.04	0.35	0.35	0.35	0.49	0.62	0.35
25-29 years	0.37	0.43	0.30	1.39	1.35	1.44	0.02	0.02	0.03	0.36	0.22	0.51	0.35	0.46	0.23	0.70	0.90	0.49
30-34 years	0.11	0.17	0.05	0.84	1.19	0.50	0.02	0.02	0.02	0.24	0.17	0.31	0.46	0.60	0.32	0.64	0.48	0.80
35-39 years	0.26	0.18	0.34	1.33	1.55	1.12	0.03	0.02	0.03	0.43	0.37	0.49	0.35	0.61	0.09	0.93	1.20	0.67
40-44 years	0.14	0.18	0.09	1.17	1.66	0.65	0.03	0.02	0.04	0.12	0.15	0.07	0.36	0.59	0.11	1.23	1.29	1.17
45-49 years	0.34	0.32	0.36	1.93	1.50	2.41	0.03	0.02	0.04	0.68	0.16	1.23	0.53	0.74	0.31	1.49	1.78	1.19
50-54 years	0.49	0.47	0.52	1.79	1.40	2.22	0.08	0.06	0.10	0.88	0.44	1.37	0.72	1.21	0.17	2.04	2.65	1.36
55-59 years	0.69	0.76	0.61	2.83	3.06	2.57	0.24	0.26	0.22	1.04	1.13	0.93	0.61	0.74	0.45	3.19	3.55	2.78
60-64 years	0.38	0.55	0.19	2.84	3.61	1.96	0.24	0.28	0.20	1.63	0.55	2.87	0.93	0.93	0.94	4.10	3.96	4.27
65-69 years	0.51	0.71	0.28	2.84	3.56	2.01	0.32	0.21	0.44	1.57	1.10	2.10	0.98	1.45	0.43	6.05	7.42	4.49
70-74 years	0.37	0.54	0.19	2.82	3.20	2.42	0.22	0.18	0.27	2.60	1.11	4.19	1.44	1.54	1.32	8.43	9.13	7.67
75-79 years	0.70	0.31	1.08	6.31	6.90	5.73	0.30	0.34	0.27	0.78	1.35	0.23	1.30	1.86	0.75	9.80	7.49	12.05
80-84 years	0.20	0.24	0.17	4.52	6.56	2.84	0.34	0.54	0.17	1.79	0.52	2.84	0.88	1.03	0.76	11.67	16.54	7.63
85+ years	0.62	0.22	0.87	8.55	16.30	3.56	0.23	0.20	0.25	2.19	0.43	3.33	1.04	1.56	0.70	8.75	10.90	7.36

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
Prevalence																		
<5 years	3.46	3.86	3.04	3.68	3.74	3.62	0.00	0.00	0.00	0.44	0.62	0.24	0.09	0.09	0.09	0.00	0.00	0.00
5-9 years	2.08	1.76	2.42	1.89	1.42	2.40	0.00	0.00	0.00	0.20	0.29	0.10	0.52	0.88	0.12	0.00	0.00	0.00
10-14 years	1.50	0.99	2.08	1.72	0.58	3.01	0.00	0.00	0.00	0.27	0.09	0.48	0.27	0.42	0.10	1.00	0.00	2.12
15-19 years	1.85	2.36	1.29	5.18	5.90	4.38	0.00	0.00	0.00	0.09	0.10	0.08	0.91	1.33	0.46	1.22	1.13	1.31
20-24 years	1.04	1.13	0.95	2.40	3.15	1.62	0.14	0.13	0.15	0.24	0.38	0.08	1.49	1.31	1.68	0.11	0.21	0.00
25-29 years	0.97	1.14	0.80	3.00	2.50	3.51	0.11	0.09	0.14	0.71	0.42	1.00	1.09	1.32	0.86	0.28	0.49	0.06
30-34 years	0.22	0.35	0.09	1.30	1.65	0.96	0.07	0.07	0.08	0.40	0.29	0.51	1.16	1.37	0.95	0.27	0.00	0.54
35-39 years	0.49	0.34	0.64	1.89	1.91	1.88	0.12	0.09	0.15	0.66	0.57	0.75	0.72	1.23	0.21	0.62	0.81	0.43
40-44 years	0.23	0.30	0.15	1.35	1.75	0.94	0.12	0.07	0.17	0.16	0.21	0.10	0.66	1.09	0.22	0.23	0.33	0.12
45-49 years	0.62	0.56	0.69	2.72	1.72	3.81	0.12	0.07	0.17	1.00	0.24	1.82	1.00	1.42	0.56	0.25	0.49	0.00
50-54 years	0.91	0.81	1.02	2.53	1.60	3.56	0.33	0.22	0.45	1.27	0.64	1.99	1.28	2.17	0.29	0.35	0.67	0.00
55-59 years	1.19	1.29	1.09	3.15	3.00	3.32	0.96	0.99	0.94	1.43	1.55	1.31	0.85	1.08	0.60	0.49	0.75	0.20
60-64 years	0.58	0.83	0.28	2.67	3.18	2.08	0.83	0.92	0.73	2.12	0.69	3.76	1.09	1.13	1.04	0.41	0.22	0.63
65-69 years	0.64	0.88	0.36	2.50	3.01	1.92	0.91	0.54	1.34	1.83	1.27	2.48	0.92	1.39	0.37	0.87	1.46	0.20
70-74 years	0.45	0.66	0.22	2.28	2.54	2.01	0.52	0.39	0.65	2.70	1.13	4.38	1.11	1.26	0.95	2.48	2.65	2.30
75-79 years	0.72	0.27	1.17	4.82	5.11	4.53	0.53	0.56	0.50	0.71	1.23	0.20	0.90	1.34	0.47	3.98	1.72	6.19
80-84 years	0.15	0.17	0.14	4.44	6.53	2.70	0.37	0.58	0.19	1.45	0.40	2.31	0.57	0.73	0.44	2.72	4.66	1.11
85+ years	0.34	0.16	0.46	6.31	11.67	2.86	0.19	0.16	0.22	1.64	0.29	2.50	0.75	1.26	0.42	1.37	1.89	1.04
DALYs																		
<5 years	72.64	81.01	63.64	69.80	83.78	54.75	0.00	0.00	0.00	11.58	16.52	6.26	0.98	1.21	0.74	33.59	38.44	28.37
5-9 years	44.00	37.52	51.13	34.63	31.94	37.60	0.00	0.00	0.00	5.41	7.94	2.62	6.71	11.90	1.00	10.73	16.18	4.73
10-14 years	39.90	26.46	55.03	36.75	16.80	59.23	0.00	0.00	0.00	8.54	2.73	15.07	3.98	6.71	0.90	16.90	9.26	25.51
15-19 years	23.94	30.52	16.70	61.11	78.40	42.12	0.00	0.00	0.00	1.55	1.73	1.35	6.83	10.71	2.56	20.14	23.20	16.76
20-24 years	16.30	17.90	14.63	37.62	54.42	20.22	0.94	0.95	0.93	5.02	8.21	1.71	12.03	12.80	11.23	23.69	29.93	17.22

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
25-29 years	17.45	20.59	14.29	52.57	53.46	51.68	0.82	0.70	0.94	17.33	10.29	24.42	12.89	17.76	8.00	32.83	42.47	23.15
30-34 years	5.22	8.24	2.24	33.17	48.02	18.51	0.59	0.60	0.58	11.82	8.40	15.20	17.50	23.36	11.72	27.14	20.00	34.20
35-39 years	12.24	8.57	15.93	49.78	60.27	39.24	1.00	0.84	1.16	20.15	17.30	23.01	13.28	23.36	3.16	37.11	47.73	26.44
40-44 years	6.06	8.13	3.88	42.70	62.31	22.07	1.04	0.70	1.40	5.23	6.99	3.37	12.88	21.33	3.99	52.71	54.89	50.42
45-49 years	13.10	12.41	13.84	59.13	48.82	70.29	0.86	0.59	1.16	26.46	6.33	48.26	17.06	23.51	10.07	58.35	69.26	46.52
50-54 years	16.80	16.09	17.59	48.79	40.80	57.72	2.11	1.62	2.65	30.63	15.38	47.66	20.62	34.58	5.02	72.76	94.38	48.61
55-59 years	21.01	23.24	18.46	73.33	82.51	62.89	5.71	6.33	5.01	31.95	34.79	28.72	16.52	19.97	12.59	103.92	115.52	90.72
60-64 years	10.41	15.05	5.09	67.72	88.12	44.30	5.37	6.37	4.23	45.07	15.21	79.36	23.14	22.62	23.73	120.13	116.02	124.85
65-69 years	12.24	17.14	6.64	59.01	75.55	40.08	6.38	4.30	8.77	38.20	26.84	51.21	21.76	32.16	9.86	153.15	187.54	113.80
70-74 years	7.79	11.41	3.93	50.31	57.99	42.13	4.06	3.39	4.78	55.07	23.54	88.64	28.29	29.79	26.71	179.60	195.13	163.07
75-79 years	12.65	5.54	19.57	93.83	104.77	83.20	4.84	5.56	4.14	14.30	24.69	4.19	21.69	30.54	13.09	173.43	135.34	210.45
80-84 years	3.06	3.61	2.60	51.30	75.67	31.08	4.79	7.69	2.39	26.85	7.78	42.67	12.01	13.45	10.81	185.78	262.67	121.95
85+ years	6.46	2.63	8.93	76.36	147.75	30.39	2.63	2.30	2.84	26.76	5.09	40.71	10.23	14.70	7.36	102.42	125.73	87.41
Deaths																		
<5 years	0.84	0.93	0.73	0.80	0.96	0.63	0.00	0.00	0.00	0.13	0.19	0.07	0.01	0.01	0.01	0.39	0.33	0.45
5-9 years	0.53	0.46	0.62	0.42	0.39	0.46	0.00	0.00	0.00	0.07	0.10	0.03	0.08	0.14	0.01	0.13	0.06	0.20
10-14 years	0.52	0.34	0.72	0.48	0.22	0.77	0.00	0.00	0.00	0.11	0.04	0.20	0.05	0.09	0.01	0.22	0.33	0.12
15-19 years	0.33	0.42	0.23	0.85	1.09	0.58	0.00	0.00	0.00	0.02	0.02	0.02	0.09	0.15	0.04	0.28	0.23	0.32
20-24 years	0.24	0.27	0.22	0.56	0.81	0.30	0.01	0.01	0.01	0.07	0.12	0.03	0.18	0.19	0.17	0.35	0.26	0.45
25-29 years	0.28	0.33	0.23	0.85	0.86	0.83	0.01	0.01	0.02	0.28	0.17	0.39	0.21	0.29	0.13	0.53	0.37	0.68
30-34 years	0.09	0.14	0.04	0.58	0.84	0.32	0.01	0.01	0.01	0.21	0.15	0.27	0.31	0.41	0.21	0.48	0.60	0.35
35-39 years	0.24	0.16	0.31	0.96	1.16	0.75	0.02	0.02	0.02	0.39	0.33	0.44	0.26	0.45	0.06	0.71	0.51	0.92
40-44 years	0.13	0.17	0.08	0.91	1.32	0.47	0.02	0.01	0.03	0.11	0.15	0.07	0.27	0.45	0.08	1.12	1.07	1.17
45-49 years	0.31	0.29	0.33	1.40	1.16	1.66	0.02	0.01	0.03	0.63	0.15	1.14	0.40	0.56	0.24	1.38	1.10	1.64
50-54 years	0.45	0.43	0.47	1.30	1.09	1.54	0.06	0.04	0.07	0.82	0.41	1.27	0.55	0.92	0.13	1.94	1.30	2.52

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
55-59 years	0·64	0·71	0·56	2·24	2·52	1·92	0·17	0·19	0·15	0·98	1·06	0·88	0·50	0·61	0·38	3·17	2·77	3·52
60-64 years	0·37	0·53	0·18	2·40	3·13	1·57	0·19	0·22	0·15	1·60	0·54	2·82	0·82	0·80	0·84	4·26	4·43	4·12
65-69 years	0·52	0·72	0·28	2·49	3·18	1·69	0·27	0·18	0·36	1·61	1·13	2·16	0·92	1·35	0·42	6·46	4·81	7·91
70-74 years	0·40	0·59	0·20	2·59	2·98	2·17	0·21	0·17	0·24	2·84	1·21	4·57	1·46	1·53	1·38	9·25	8·41	10·03
75-79 years	0·82	0·36	1·27	6·07	6·78	5·39	0·31	0·36	0·26	0·93	1·60	0·27	1·41	1·98	0·85	11·25	13·67	8·76
80-84 years	0·26	0·30	0·22	4·29	6·33	2·60	0·40	0·64	0·20	2·26	0·65	3·60	1·01	1·13	0·91	15·68	10·31	22·15
85+ years	1·05	0·31	1·52	8·72	17·07	3·34	0·30	0·27	0·32	2·97	0·60	4·50	1·19	1·66	0·88	12·11	10·23	15·03

ALL = acute lymphocytic leukaemia; AML = acute myeloid leukaemia; CLL = chronic lymphocytic leukaemia; CML = chronic myeloid leukaemia; DALY = disability-adjusted life year; HL = Hodgkin lymphoma; NHL = non-Hodgkin lymphoma

Table B2 - Age-specific rates in Australasia and Oceania in 2019 by age groups and by sex

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
AUSTRALASIA																		
Incidence																		
<5 years	3.41	3.42	3.40	0.49	0.52	0.46	0.00	0.00	0.00	0.08	0.08	0.08	0.23	0.21	0.24	0.00	0.00	0.00
5-9 years	3.34	3.98	2.66	0.32	0.30	0.35	0.00	0.00	0.00	0.05	0.03	0.07	0.34	0.35	0.32	0.97	1.45	0.47
10-14 years	1.59	1.75	1.43	0.39	0.35	0.42	0.00	0.00	0.00	0.06	0.05	0.08	0.69	0.82	0.56	1.02	1.33	0.70
15-19 years	1.74	2.15	1.31	0.73	0.73	0.74	0.00	0.00	0.00	0.10	0.07	0.13	2.43	2.06	2.82	1.92	2.39	1.41
20-24 years	1.26	1.56	0.95	0.77	0.77	0.78	0.11	0.10	0.12	0.22	0.17	0.27	4.55	4.11	4.99	1.49	1.90	1.08
25-29 years	1.02	1.08	0.96	0.84	0.90	0.79	0.10	0.09	0.11	0.35	0.31	0.39	4.90	4.79	5.00	1.93	2.54	1.34
30-34 years	0.71	0.79	0.63	0.74	0.71	0.77	0.10	0.08	0.11	0.33	0.30	0.37	3.78	3.94	3.62	2.51	3.23	1.81
35-39 years	0.73	0.77	0.70	0.90	0.81	1.00	0.19	0.27	0.11	0.51	0.39	0.62	3.03	3.57	2.52	3.58	4.65	2.53
40-44 years	0.74	0.70	0.79	1.16	1.04	1.28	0.41	0.58	0.24	0.55	0.40	0.69	2.78	3.46	2.12	3.44	4.48	2.44
45-49 years	1.15	1.01	1.29	1.65	1.53	1.77	1.13	1.67	0.62	0.63	0.48	0.77	2.26	2.62	1.92	5.55	7.13	4.04
50-54 years	1.90	1.64	2.15	2.74	2.65	2.82	2.68	3.94	1.48	0.88	0.57	1.18	2.19	2.69	1.71	9.66	12.13	7.31
55-59 years	3.15	2.75	3.53	3.87	3.78	3.96	5.66	7.64	3.78	1.42	0.72	2.08	2.39	2.98	1.82	16.45	21.25	11.89
60-64 years	5.14	4.80	5.45	6.42	7.27	5.62	9.58	13.73	5.68	1.83	1.13	2.49	2.75	3.06	2.45	26.27	34.77	18.29
65-69 years	7.18	7.47	6.91	10.43	12.24	8.74	14.40	19.77	9.36	2.63	1.59	3.60	2.95	3.30	2.63	42.41	54.14	31.43
70-74 years	8.86	10.29	7.52	17.73	21.37	14.32	22.50	31.04	14.47	5.00	2.88	6.98	3.16	3.44	2.89	67.82	86.44	50.32
75-79 years	8.54	10.31	6.96	24.48	30.33	19.21	31.40	42.78	21.16	8.06	5.16	10.67	4.08	4.27	3.91	108.54	131.59	87.78
80-84 years	7.57	9.62	5.89	28.81	36.06	22.89	26.29	36.47	17.98	13.42	9.24	16.83	5.17	5.86	4.62	122.55	148.57	101.32
85+ years	7.24	8.79	6.27	39.29	47.14	34.42	41.49	55.39	32.88	25.02	17.88	29.44	7.92	9.45	6.97	176.74	215.23	152.88
Prevalence																		
<5 years	28.18	28.22	28.13	1.18	1.02	1.36	0.00	0.00	0.00	0.43	0.36	0.50	2.01	1.91	2.12	0.00	0.00	0.00
5-9 years	26.60	31.56	21.38	0.78	0.60	0.96	0.00	0.00	0.00	0.29	0.15	0.44	2.98	3.12	2.84	0.00	0.00	0.00

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
10-14 years	11·66	12·58	10·68	0·75	0·54	0·97	0·00	0·00	0·00	0·32	0·19	0·46	6·14	7·20	5·02	0·00	0·00	0·00
15-19 years	12·25	15·12	9·24	2·23	1·89	2·60	0·00	0·00	0·00	0·55	0·35	0·76	21·58	18·33	24·98	9·01	17·19	0·43
20-24 years	9·10	10·95	7·20	1·85	1·50	2·21	0·94	0·85	1·04	1·19	0·77	1·63	40·53	36·58	44·59	6·44	12·69	0·00
25-29 years	7·38	7·61	7·17	1·68	1·43	1·91	0·86	0·78	0·95	1·78	1·28	2·28	43·29	42·20	44·36	9·22	16·56	1·99
30-34 years	4·84	5·27	4·44	1·18	0·88	1·47	0·83	0·70	0·96	1·64	1·18	2·08	33·17	34·55	31·84	17·29	22·21	12·58
35-39 years	5·16	5·22	5·11	1·29	0·90	1·67	1·59	2·26	0·94	2·53	1·52	3·52	26·46	31·06	21·99	25·19	32·21	18·36
40-44 years	5·46	4·87	6·02	1·47	1·04	1·87	3·31	4·65	2·02	2·69	1·49	3·85	24·11	29·98	18·44	20·56	26·52	14·82
45-49 years	8·56	7·15	9·90	2·31	1·67	2·91	9·30	13·62	5·20	3·13	1·84	4·34	19·32	22·37	16·42	33·54	42·47	25·07
50-54 years	14·93	12·12	17·60	3·81	2·85	4·71	21·81	31·76	12·35	4·43	2·20	6·55	18·48	22·53	14·63	57·00	70·32	44·32
55-59 years	24·96	20·99	28·72	4·73	3·69	5·72	45·98	61·47	31·28	7·08	2·28	11·63	19·31	23·97	14·90	103·35	139·06	69·49
60-64 years	39·62	36·89	42·19	6·63	6·46	6·80	75·96	107·63	46·21	9·10	3·45	14·41	21·62	23·89	19·49	172·89	231·60	117·75
65-69 years	55·54	57·82	53·41	9·62	10·15	9·12	110·60	149·02	74·65	12·87	4·51	20·69	20·99	23·26	18·86	282·65	357·97	212·18
70-74 years	69·60	78·51	61·24	14·64	16·52	12·88	164·84	223·50	109·76	24·59	7·93	40·24	18·62	19·86	17·45	447·32	566·06	335·79
75-79 years	59·89	69·96	50·81	19·02	22·01	16·33	214·12	282·82	152·26	38·46	14·32	60·20	22·45	22·68	22·24	691·00	821·62	573·39
80-84 years	42·02	54·42	31·90	27·69	33·99	22·55	124·12	163·07	92·34	60·31	23·98	89·96	28·12	30·14	26·48	560·72	665·53	475·20
85+ years	30·93	38·08	26·50	30·38	34·02	28·12	126·15	154·80	108·40	95·23	41·63	128·46	33·91	35·65	32·84	620·56	753·81	537·97
DALYs																		
<5 years	26·87	28·83	24·80	26·12	30·77	21·22	0·00	0·00	0·00	1·63	2·34	0·88	0·76	0·77	0·75	7·22	9·14	5·19
5-9 years	37·00	46·31	27·21	15·79	15·74	15·85	0·00	0·00	0·00	0·83	0·89	0·76	1·16	1·28	1·03	9·94	14·92	4·70
10-14 years	28·97	33·68	24·01	19·49	19·50	19·49	0·00	0·00	0·00	1·08	1·33	0·81	2·37	2·93	1·78	10·21	13·34	6·90
15-19 years	36·05	45·15	26·51	28·09	30·08	26·00	0·00	0·00	0·00	1·31	1·58	1·03	6·75	5·90	7·65	18·97	23·74	13·96
20-24 years	23·51	31·94	14·82	31·04	33·65	28·35	0·76	0·77	0·75	3·06	3·83	2·26	12·74	11·97	13·54	23·07	29·63	16·31
25-29 years	18·38	21·55	15·25	34·34	40·03	28·74	0·68	0·72	0·64	5·14	6·96	3·34	17·48	17·98	16·99	28·49	37·48	19·66
30-34 years	12·86	15·84	10·01	30·41	32·27	28·63	0·66	0·67	0·66	4·96	6·82	3·18	14·22	15·77	12·74	34·80	45·01	25·01
35-39 years	11·82	13·86	9·85	35·36	34·92	35·78	1·37	2·15	0·60	6·86	8·74	5·04	12·68	15·45	9·99	46·07	60·10	32·43

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
40-44 years	10.03	10.85	9.23	43.59	43.25	43.92	2.81	4.36	1.31	6.95	8.52	5.43	12.56	15.85	9.38	60.79	79.45	42.78
45-49 years	11.33	12.07	10.62	53.23	54.28	52.23	6.92	11.10	2.95	6.88	8.61	5.24	10.79	12.83	8.86	88.79	114.51	64.39
50-54 years	13.79	14.55	13.07	78.87	84.07	73.93	14.91	23.87	6.38	8.18	9.20	7.22	10.30	12.93	7.80	138.78	174.67	104.62
55-59 years	16.47	17.17	15.80	100.63	106.91	94.68	27.89	41.71	14.79	11.89	12.96	10.88	13.74	17.39	10.28	208.42	269.62	150.37
60-64 years	19.48	21.18	17.88	152.58	184.02	123.06	49.79	77.19	24.06	14.28	18.02	10.77	16.02	18.61	13.59	303.09	402.15	210.04
65-69 years	23.22	26.09	20.53	219.54	270.80	171.58	76.22	113.23	41.58	18.23	23.92	12.91	20.21	23.11	17.49	417.20	534.39	307.54
70-74 years	26.37	31.64	21.41	321.35	401.70	245.89	120.42	178.24	66.12	28.22	35.48	21.40	24.19	26.31	22.20	558.49	714.78	411.71
75-79 years	27.39	33.23	22.12	370.48	475.03	276.34	163.00	234.27	98.82	39.59	51.78	28.63	26.66	28.68	24.84	728.74	888.41	584.96
80-84 years	26.80	34.20	20.76	333.08	430.72	253.40	190.92	274.71	122.54	51.62	68.15	38.13	25.87	29.58	22.85	826.89	1009.26	678.08
85+ years	24.19	29.81	20.71	267.36	366.38	205.98	253.23	355.58	189.78	70.86	96.23	55.14	21.95	28.24	18.05	838.42	1046.68	709.32
Deaths																		
<5 years	0.28	0.31	0.26	0.30	0.35	0.24	0.00	0.00	0.00	0.02	0.03	0.01	0.01	0.01	0.01	0.08	0.11	0.06
5-9 years	0.43	0.54	0.31	0.19	0.19	0.19	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17	0.05
10-14 years	0.37	0.43	0.30	0.25	0.25	0.25	0.00	0.00	0.00	0.01	0.02	0.01	0.03	0.03	0.02	0.13	0.16	0.08
15-19 years	0.49	0.61	0.36	0.39	0.42	0.36	0.00	0.00	0.00	0.02	0.02	0.01	0.08	0.07	0.09	0.25	0.31	0.18
20-24 years	0.34	0.46	0.21	0.46	0.50	0.42	0.01	0.01	0.01	0.04	0.06	0.03	0.15	0.15	0.16	0.33	0.43	0.24
25-29 years	0.29	0.34	0.24	0.55	0.65	0.46	0.01	0.01	0.01	0.08	0.11	0.05	0.24	0.25	0.23	0.44	0.58	0.31
30-34 years	0.22	0.27	0.17	0.53	0.57	0.50	0.01	0.01	0.01	0.09	0.12	0.05	0.21	0.24	0.19	0.59	0.76	0.42
35-39 years	0.22	0.26	0.18	0.68	0.67	0.69	0.02	0.04	0.01	0.13	0.17	0.09	0.21	0.26	0.17	0.84	1.10	0.60
40-44 years	0.20	0.22	0.19	0.93	0.92	0.93	0.05	0.08	0.02	0.14	0.18	0.11	0.23	0.30	0.18	1.25	1.64	0.88
45-49 years	0.25	0.27	0.23	1.26	1.29	1.24	0.15	0.23	0.06	0.16	0.20	0.12	0.23	0.27	0.19	2.03	2.61	1.47
50-54 years	0.34	0.36	0.31	2.10	2.25	1.97	0.34	0.56	0.14	0.21	0.24	0.18	0.24	0.30	0.18	3.55	4.46	2.68
55-59 years	0.44	0.47	0.41	3.07	3.27	2.88	0.72	1.09	0.37	0.35	0.39	0.31	0.38	0.48	0.28	6.05	7.81	4.37
60-64 years	0.57	0.64	0.50	5.43	6.55	4.37	1.50	2.35	0.71	0.49	0.63	0.35	0.51	0.59	0.43	10.19	13.50	7.08
65-69 years	0.78	0.90	0.67	9.30	11.47	7.26	2.74	4.11	1.45	0.73	1.00	0.48	0.78	0.89	0.67	16.47	21.03	12.20

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
70-74 years	1·06	1·30	0·84	16·64	20·80	12·73	5·27	7·84	2·86	1·36	1·81	0·94	1·17	1·27	1·07	26·36	33·61	19·55
75-79 years	1·43	1·77	1·12	24·27	31·13	18·08	8·93	12·88	5·38	2·39	3·31	1·55	1·59	1·72	1·47	42·20	51·22	34·09
80-84 years	1·86	2·41	1·42	28·28	36·59	21·51	14·82	21·39	9·46	3·94	5·61	2·58	1·86	2·13	1·64	64·02	77·68	52·88
85+ years	2·52	3·13	2·14	32·43	43·74	25·42	29·48	40·86	22·42	7·80	11·30	5·64	1·91	2·49	1·54	92·20	112·39	79·68
OCEANIA																		
Incidence																		
<5 years	1·06	1·19	0·92	1·36	1·55	1·16	0·00	0·00	0·00	0·15	0·20	0·08	0·02	0·02	0·02	0·00	0·00	0·00
5-9 years	0·73	0·64	0·83	0·74	0·67	0·81	0·00	0·00	0·00	0·08	0·12	0·04	0·13	0·23	0·03	0·34	0·49	0·18
10-14 years	0·68	0·45	0·93	0·79	0·34	1·28	0·00	0·00	0·00	0·13	0·04	0·22	0·08	0·14	0·03	0·62	0·35	0·92
15-19 years	0·54	0·68	0·38	1·71	2·12	1·26	0·00	0·00	0·00	0·03	0·04	0·03	0·21	0·30	0·10	0·75	0·81	0·68
20-24 years	0·36	0·41	0·30	1·02	1·46	0·56	0·03	0·03	0·03	0·10	0·17	0·03	0·37	0·36	0·37	0·55	0·69	0·40
25-29 years	0·34	0·40	0·29	1·34	1·34	1·34	0·02	0·02	0·03	0·31	0·19	0·43	0·33	0·44	0·23	0·73	0·95	0·51
30-34 years	0·11	0·17	0·04	0·82	1·18	0·47	0·02	0·02	0·02	0·21	0·16	0·27	0·44	0·57	0·32	0·64	0·49	0·79
35-39 years	0·26	0·18	0·33	1·33	1·58	1·08	0·03	0·02	0·04	0·39	0·34	0·43	0·33	0·58	0·09	0·96	1·24	0·69
40-44 years	0·13	0·18	0·08	1·10	1·62	0·58	0·03	0·02	0·04	0·10	0·14	0·06	0·34	0·56	0·11	1·20	1·26	1·14
45-49 years	0·32	0·29	0·35	1·78	1·40	2·19	0·03	0·02	0·04	0·60	0·15	1·08	0·50	0·70	0·29	1·47	1·71	1·22
50-54 years	0·46	0·45	0·48	1·67	1·36	2·01	0·08	0·06	0·11	0·79	0·40	1·21	0·66	1·12	0·16	2·01	2·58	1·38
55-59 years	0·66	0·72	0·58	2·75	3·02	2·46	0·24	0·24	0·24	0·94	1·00	0·87	0·57	0·71	0·42	3·25	3·61	2·84
60-64 years	0·38	0·54	0·19	2·79	3·56	1·91	0·25	0·27	0·22	1·49	0·52	2·60	0·90	0·89	0·90	4·28	4·09	4·50
65-69 years	0·51	0·70	0·29	2·77	3·48	1·96	0·34	0·21	0·49	1·46	1·00	1·99	0·93	1·39	0·41	6·33	7·77	4·67
70-74 years	0·37	0·54	0·19	2·72	3·14	2·28	0·23	0·18	0·28	2·36	1·00	3·80	1·35	1·46	1·22	8·37	9·13	7·57
75-79 years	0·68	0·31	1·04	6·12	6·85	5·41	0·31	0·34	0·27	0·73	1·24	0·22	1·21	1·74	0·70	10·14	7·64	12·60
80-84 years	0·22	0·26	0·18	4·97	7·20	3·01	0·38	0·61	0·18	1·67	0·52	2·69	0·85	1·00	0·72	13·29	18·01	9·12
85+ years	0·70	0·24	1·02	9·71	18·32	3·70	0·26	0·23	0·28	1·98	0·43	3·07	1·06	1·60	0·69	10·92	13·30	9·26

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
Prevalence																		
<5 years	3·12	3·51	2·71	3·52	3·56	3·48	0·00	0·00	0·00	0·34	0·48	0·19	0·09	0·08	0·10	0·00	0·00	0·00
5-9 years	2·06	1·79	2·35	1·87	1·47	2·30	0·00	0·00	0·00	0·18	0·26	0·09	0·53	0·89	0·14	0·00	0·00	0·00
10-14 years	1·57	1·04	2·16	1·72	0·60	2·95	0·00	0·00	0·00	0·25	0·08	0·44	0·30	0·46	0·13	1·60	0·00	3·37
15-19 years	1·91	2·41	1·35	5·36	6·13	4·52	0·00	0·00	0·00	0·09	0·09	0·08	1·02	1·44	0·56	1·65	1·41	1·91
20-24 years	1·10	1·24	0·96	2·50	3·35	1·59	0·16	0·15	0·17	0·23	0·38	0·07	1·70	1·47	1·94	0·11	0·21	0·00
25-29 years	0·92	1·07	0·77	2·87	2·48	3·27	0·12	0·10	0·15	0·62	0·37	0·86	1·15	1·37	0·92	0·34	0·57	0·12
30-34 years	0·21	0·34	0·09	1·26	1·62	0·89	0·08	0·07	0·09	0·35	0·26	0·45	1·23	1·44	1·03	0·60	0·19	1·01
35-39 years	0·47	0·34	0·61	1·88	1·93	1·83	0·13	0·10	0·17	0·60	0·53	0·67	0·75	1·27	0·22	1·17	1·51	0·83
40-44 years	0·21	0·29	0·14	1·27	1·70	0·84	0·12	0·07	0·18	0·14	0·20	0·09	0·66	1·10	0·22	0·13	0·21	0·06
45-49 years	0·57	0·51	0·63	2·51	1·61	3·46	0·13	0·07	0·19	0·89	0·23	1·59	0·99	1·40	0·56	0·19	0·36	0·00
50-54 years	0·84	0·77	0·92	2·35	1·55	3·22	0·36	0·22	0·51	1·14	0·58	1·75	1·27	2·15	0·29	0·33	0·64	0·00
55-59 years	1·15	1·25	1·03	3·06	2·97	3·17	1·03	0·99	1·07	1·31	1·39	1·22	0·88	1·12	0·60	0·63	0·97	0·23
60-64 years	0·58	0·83	0·31	2·63	3·14	2·04	0·91	0·94	0·88	1·95	0·65	3·43	1·14	1·19	1·08	0·95	0·63	1·31
65-69 years	0·66	0·90	0·39	2·45	2·95	1·89	1·06	0·58	1·62	1·72	1·16	2·37	0·95	1·45	0·37	1·84	2·30	1·30
70-74 years	0·46	0·67	0·23	2·20	2·49	1·90	0·55	0·40	0·71	2·47	1·02	4·00	1·07	1·23	0·90	2·61	2·70	2·50
75-79 years	0·70	0·28	1·13	4·70	5·09	4·31	0·56	0·57	0·54	0·66	1·14	0·19	0·87	1·30	0·45	4·47	1·88	7·02
80-84 years	0·16	0·18	0·15	4·93	7·23	2·89	0·44	0·69	0·21	1·36	0·40	2·21	0·58	0·75	0·44	3·28	5·43	1·38
85+ years	0·39	0·17	0·53	7·14	13·07	3·00	0·23	0·19	0·26	1·49	0·29	2·33	0·86	1·45	0·46	2·50	3·02	2·14
DALYs																		
<5 years	65·28	73·52	56·44	66·76	80·06	52·47	0·00	0·00	0·00	9·03	12·71	5·07	0·88	1·02	0·73	28·87	33·79	23·60
5-9 years	43·79	38·18	49·90	34·72	33·57	35·97	0·00	0·00	0·00	4·77	6·99	2·34	5·88	10·34	1·02	10·18	15·28	4·63
10-14 years	41·60	27·66	57·05	36·87	17·57	58·25	0·00	0·00	0·00	7·83	2·60	13·63	3·74	6·24	0·97	17·67	9·37	26·87
15-19 years	24·75	31·22	17·59	63·59	81·75	43·48	0·00	0·00	0·00	1·60	1·73	1·45	6·78	10·43	2·74	21·83	24·51	18·86
20-24 years	17·23	19·67	14·61	39·69	58·14	19·98	1·04	1·09	0·99	4·90	8·02	1·56	11·94	12·83	10·99	25·15	31·77	18·06

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
25-29 years	16·52	19·25	13·76	51·00	53·51	48·47	0·85	0·72	0·97	15·11	9·22	21·06	12·01	16·41	7·58	32·18	42·06	22·19
30-34 years	5·10	8·07	2·18	32·35	47·75	17·19	0·60	0·61	0·60	10·46	7·64	13·23	16·19	21·34	11·12	25·93	19·41	32·36
35-39 years	12·07	8·55	15·58	49·73	61·66	37·83	1·03	0·87	1·19	18·23	16·04	20·42	12·21	21·47	2·98	36·30	46·92	25·70
40-44 years	5·84	8·00	3·65	40·47	60·93	19·74	1·02	0·70	1·34	4·68	6·50	2·84	11·81	19·81	3·71	51·69	54·13	49·21
45-49 years	12·36	11·30	13·49	54·55	45·69	63·95	0·87	0·58	1·18	23·67	6·01	42·41	15·57	21·49	9·28	57·90	67·17	48·07
50-54 years	15·77	15·29	16·29	45·61	39·61	52·19	2·08	1·51	2·70	27·37	14·08	41·95	18·55	31·26	4·59	71·52	91·71	49·36
55-59 years	19·96	22·03	17·61	71·28	81·06	60·22	5·45	5·66	5·22	29·00	31·00	26·75	15·13	18·33	11·50	105·11	116·15	92·61
60-64 years	10·25	14·68	5·22	66·33	86·80	43·11	5·29	5·90	4·59	41·20	14·37	71·64	21·63	21·18	22·15	124·00	118·70	130·01
65-69 years	12·15	16·79	6·81	57·68	73·91	38·99	6·61	4·24	9·34	35·49	24·41	48·26	20·32	30·04	9·12	156·91	192·39	116·06
70-74 years	7·79	11·37	4·02	48·49	56·93	39·62	4·05	3·28	4·86	50·08	21·15	80·47	26·21	27·82	24·52	176·00	192·72	158·45
75-79 years	12·22	5·55	18·81	91·08	103·88	78·46	4·79	5·41	4·18	13·25	22·69	3·95	19·95	28·00	12·00	174·11	135·20	212·49
80-84 years	3·21	3·86	2·63	56·40	82·90	33·03	5·42	8·67	2·55	25·08	7·78	40·34	11·28	12·73	10·00	209·09	284·14	142·90
85+ years	7·28	2·83	10·39	86·54	165·84	31·16	2·90	2·58	3·12	24·07	5·04	37·36	9·75	14·00	6·78	122·12	146·93	104·80
Deaths																		
<5 years	0·75	0·85	0·65	0·77	0·92	0·60	0·00	0·00	0·00	0·10	0·15	0·06	0·01	0·01	0·01	0·34	0·39	0·27
5-9 years	0·53	0·46	0·61	0·42	0·41	0·44	0·00	0·00	0·00	0·06	0·09	0·03	0·07	0·13	0·01	0·12	0·18	0·06
10-14 years	0·54	0·36	0·74	0·48	0·23	0·76	0·00	0·00	0·00	0·10	0·03	0·18	0·05	0·08	0·01	0·23	0·12	0·35
15-19 years	0·34	0·43	0·24	0·88	1·14	0·60	0·00	0·00	0·00	0·02	0·02	0·02	0·09	0·14	0·04	0·30	0·34	0·26
20-24 years	0·26	0·29	0·22	0·59	0·87	0·30	0·02	0·02	0·01	0·07	0·12	0·02	0·18	0·19	0·16	0·38	0·47	0·27
25-29 years	0·27	0·31	0·22	0·82	0·86	0·78	0·01	0·01	0·02	0·24	0·15	0·34	0·19	0·26	0·12	0·52	0·68	0·36
30-34 years	0·09	0·14	0·04	0·57	0·84	0·30	0·01	0·01	0·01	0·18	0·13	0·23	0·28	0·37	0·19	0·45	0·34	0·57
35-39 years	0·23	0·16	0·30	0·96	1·19	0·73	0·02	0·02	0·02	0·35	0·31	0·39	0·23	0·41	0·06	0·70	0·90	0·49
40-44 years	0·12	0·17	0·08	0·86	1·29	0·42	0·02	0·01	0·03	0·10	0·14	0·06	0·25	0·42	0·08	1·10	1·15	1·05
45-49 years	0·29	0·27	0·32	1·29	1·08	1·51	0·02	0·01	0·03	0·56	0·14	1·00	0·37	0·51	0·22	1·37	1·59	1·14
50-54 years	0·42	0·41	0·43	1·22	1·06	1·39	0·05	0·04	0·07	0·73	0·38	1·12	0·49	0·83	0·12	1·91	2·45	1·32

Age groups	ALL			AML			CLL			CML			HL			NHL		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
55-59 years	0·61	0·67	0·54	2·17	2·47	1·83	0·16	0·17	0·16	0·89	0·95	0·82	0·46	0·56	0·35	3·21	3·54	2·83
60-64 years	0·36	0·52	0·18	2·35	3·08	1·53	0·18	0·21	0·16	1·46	0·51	2·54	0·77	0·75	0·79	4·40	4·21	4·62
65-69 years	0·51	0·71	0·29	2·43	3·12	1·64	0·27	0·18	0·39	1·50	1·03	2·04	0·86	1·26	0·39	6·62	8·11	4·90
70-74 years	0·40	0·58	0·21	2·49	2·93	2·04	0·21	0·17	0·25	2·58	1·09	4·15	1·35	1·43	1·27	9·06	9·91	8·17
75-79 years	0·79	0·36	1·22	5·90	6·73	5·09	0·31	0·35	0·27	0·86	1·47	0·26	1·29	1·81	0·78	11·29	8·75	13·79
80-84 years	0·27	0·32	0·22	4·72	6·93	2·77	0·45	0·72	0·21	2·12	0·65	3·41	0·95	1·07	0·84	17·66	23·98	12·09
85+ years	1·19	0·33	1·79	9·93	19·25	3·43	0·33	0·30	0·35	2·68	0·60	4·13	1·14	1·59	0·82	14·59	17·78	12·36

ALL = acute lymphocytic leukaemia; AML = acute myeloid leukaemia; CLL = chronic lymphocytic leukaemia; CML = chronic myeloid leukaemia; DALY = disability-adjusted life year; HL = Hodgkin lymphoma;
NHL = non-Hodgkin lymphoma

Appendix C

Table C1: Results of sensitivity analysis of temporal trends using World standard population

Measure	Base case			Sensitivity analysis			Change in trend
	EAPC (%)	B-Coefficient (95% CI)	P-value	EAPC (%)	B-Coefficient (95% CI)	P-value	
Australasia							
Incidence	-	-	-	-	-	-	
ALL	2.37	0.023 (0.019, 0.027)	<0.001	1.34	0.013 (0.010, 0.017)	<0.001	N/A
AML	1.93	0.019 (0.017, 0.021)	<0.001	0.27	0.003 (0.001, 0.005)	0.015	N/A
CLL	2.40	0.024 (0.022, 0.025)	<0.001	0.68	0.007 (0.005, 0.009)	<0.001	N/A
CML	2.16	0.021 (0.013, 0.029)	<0.001	0.45	0.004 (-0.004, 0.013)	0.300	Stable
HL	0.44	0.004 (0.003, 0.005)	<0.001	0.11	0.001 (0.000, 0.002)	0.027	N/A
NHL	0.95	0.009 (0.005, 0.014)	<0.001	-0.63	-0.006 (-0.012, -0.001)	0.018	Decreasing
Prevalence	-	-	-	-	-	-	
ALL	2.57	0.025 (0.021, 0.030)	<0.001	1.57	0.016 (0.012, 0.020)	<0.001	N/A
AML	0.90	0.009 (0.007,0.011)	<0.001	-0.60	-0.006 (-0.008, -0.004)	<0.001	Decreasing
CLL	2.40	0.024 (0.022, 0.025)	<0.001	0.70	0.007 (0.005, 0.009)	<0.001	N/A
CML	2.87	0.028 (0.022, 0.035)	<0.001	1.27	0.013 (0.006, 0.020)	<0.001	N/A
HL	0.40	0.004 (0.003,0.005)	<0.001	0.19	0.002 (0.001, 0.003)	<0.001	N/A
NHL	1.07	0.011 (0.005, 0.016)	<0.001	-0.68	-0.007 (-0.013, 0.000)	0.046	Decreasing
DALYs	-	-	-	-	-	-	
ALL	-0.36	-0.004 (-0.005, -0.003)	<0.001	-0.13	-0.001(-0.003, 0.001)	0.207	Stable
AML	1.15	0.011 (0.009, 0.013)	<0.001	-0.71	-0.007 (-0.008, -0.006)	<0.001	Decreasing
CLL	1.74	0.017 (0.015, 0.020)	<0.001	0.04	0.000 (-0.002, 0.003)	0.784	Stable
CML	-1.23	-0.012 (-0.024, 0.000)	0.042	-2.43	-0.025 (-0.037, -0.013)	<0.001	N/A
HL	-0.40	-0.004 (-0.005, -0.003)	<0.001	-0.93	-0.009 (-0.011, -0.008)	<0.001	N/A
NHL	0.18	0.002 (-0.004, 0.007)	0.536	-1.12	-0.011 (-0.017, -0.005)	<0.001	Decreasing
Deaths	-	-	-	-	-	-	
ALL	0.75	0.007 (0.006, 0.009)	<0.001	-0.26	-0.003 (-0.004, -0.002)	<0.001	Decreasing
AML	2.07	0.020 (0.019, 0.022)	<0.001	0.42	0.004 (0.003, 0.006)	<0.001	N/A
CLL	2.11	0.021 (0.019, 0.023)	<0.001	0.30	0.003 (0.001, 0.005)	0.002	N/A
CML	-0.27	-0.003 (-0.014, 0.008)	0.631	-2.13	-0.022 (-0.033, -0.010)	<0.001	N/A
HL	0.05	0.000 (-0.001, 0.002)	0.399	-1.02	-0.010 (-0.011, -0.009)	<0.001	Decreasing
NHL	1.07	0.011 (0.005, 0.016)	<0.001	-0.98	-0.010 (-0.015, -0.005)	<0.001	Decreasing
OCEANIA							
Incidence	-	-	-	-	-	-	
ALL	-0.45	-0.005 (-0.006, -0.003)	<0.001	-0.32	-0.003 (-0.005, -0.002)	<0.001	N/A
AML	-0.02	0.000 (-0.002, 0.001)	0.816	-0.18	-0.002 (-0.003, -0.000)	0.012	Decreasing
CLL	1.38	0.014 (0.012, 0.016)	<0.001	0.37	0.004 (0.002, 0.005)	<0.001	N/A
CML	-0.58	-0.006 (-0.008, -0.004)	<0.001	-1.13	-0.011 (-0.013, -0.009)	<0.001	N/A
HL	-0.05	-0.001 (-0.002, 0.001)	0.405	-0.55	-0.005 (-0.007, -0.004)	<0.001	Decreasing
NHL	0.92	0.009 (0.008, 0.010)	<0.001	0.37	0.004 (0.002, 0.005)	<0.001	N/A
Prevalence	-	-	-	-	-	-	
ALL	-0.56	-0.006 (-0.007, -0.004)	<0.001	-0.33	-0.003 (-0.005, -0.001)	0.001	N/A
AML	-0.21	-0.002 (-0.004, 0.000)	0.026	-0.14	-0.001 (-0.003, 0.001)	0.150	Stable
CLL	1.99	0.020 (0.017, 0.022)	<0.001	0.99	0.010 (0.007, 0.012)	<0.001	N/A
CML	-0.76	-0.008 (-0.010, -0.005)	<0.001	-1.15	-0.012 (-0.014, -0.009)	<0.001	N/A

HL	0.68	0.007 (0.003,0.011)	0.001	0.42	0.004 (0.000, 0.008)	0.039	N/A
NHL	3.24	0.032 (0.021, 0.043)	<0.001	3.19	0.031 (0.023, 0.040)	<0.001	N/A
DALYs	-	-	-	-	-	-	-
ALL	-0.56	-0.006 (-0.007, -0.004)	<0.001	-0.34	-0.003 (-0.005, -0.002)	<0.001	N/A
AML	-0.12	-0.001 (-0.003, 0.000)	0.115	-0.18	-0.002 (-0.003, -0.000)	0.014	Decreasing
CLL	0.92	0.009 (0.008, 0.010)	<0.001	0.00	0.000 (-0.001, 0.001)	0.993	Stable
CML	-0.88	-0.009 (-0.011, -0.007)	<0.001	-1.21	-0.012 (-0.014, -0.010)	<0.001	N/A
HL	-0.55	-0.006 (-0.007, -0.005)	<0.001	-0.89	-0.009 (-0.010, -0.008)	<0.001	N/A
NHL	0.26	0.003 (0.001,0.004)	<0.001	-0.05	0.000 (-0.002, 0.001)	0.587	Stable
Deaths	-	-	-	-	-	-	-
ALL	-0.39	-0.004 (-0.005, -0.002)	<0.001	-0.29	-0.003 (-0.004, -0.002)	<0.001	N/A
AML	0.08	0.001 (-0.001, 0.002)	0.244	-0.16	-0.002 (-0.003, -0.000)	0.005	Decreasing
CLL	0.99	0.010 (0.009, 0.011)	<0.001	0.04	0.000 (-0.001, 0.001)	0.499	Stable
CML	-0.48	-0.005 (-0.007, -0.003)	<0.001	-1.11	-0.011 (-0.013, -0.009)	<0.001	N/A
HL	-0.35	-0.003 (-0.004, -0.003)	<0.001	-0.90	-0.009 (-0.010, -0.008)	<0.001	N/A
NHL	0.65	0.007 (0.005, 0.008)	<0.001	0.15	0.001 (0.000, 0.003)	0.140	Stable

ALL = acute lymphocytic leukaemia; AML = acute myeloid leukaemia; ASR = age-standardised rate; CLL = chronic lymphocytic leukaemia; CML = chronic myeloid leukaemia; DALY = disability-adjusted life year; EAPC = estimated annual percentage change; HL = Hodgkin lymphoma; N/A = not assessed; NHL = non-Hodgkin lymphoma

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