

Supplementary Table 2. Liver cancer prevalence in 1990 and 2019 for both sexes and percentage change in age-standardized rates based on location

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Global	433,327 (390,105, 482,719)	10.2 (9.2, 11.3)	747,288 (680,904, 822,765)	9.1 (8.3, 10)	-0.1 (-0.2, 0)
High SDI	73,526 (71,311, 75,677)	7.3 (7.1, 7.6)	248,405 (222,037, 274,476)	14.1 (12.6, 15.5)	0.9 (0.7, 1.1)
High-middle SDI	122,278 (106,780, 139,002)	11 (9.6, 12.5)	146,905 (127,014, 168,216)	7.4 (6.4, 8.5)	-0.3 (-0.4, -0.2)
Middle SDI	187,699 (162,083, 218,467)	15.9 (13.8, 18.5)	268,157 (231,110, 310,828)	10.3 (8.9, 11.9)	-0.4 (-0.5, -0.2)
Low-middle SDI	38,466 (34,570, 43,195)	5.6 (5, 6.2)	61,245 (55,522, 67,920)	4.3 (3.9, 4.7)	-0.2 (-0.3, -0.1)
Low SDI	11,242 (9,858, 12,709)	4.1 (3.6, 4.6)	22,341 (19,456, 25,267)	3.8 (3.3, 4.2)	-0.1 (-0.2, 0.1)
East Asia	274,683 (232,111, 324,797)	27.7 (23.4, 32.6)	299,352 (247,022, 357,976)	14.3 (11.9, 17)	-0.5 (-0.6, -0.3)
China	269,195 (226,614, 319,898)	28.1 (23.7, 33.2)	290,373 (238,764, 349,035)	14.4 (11.9, 17.2)	-0.5 (-0.6, -0.3)
Democratic People's Republic of Korea	2,968 (2,237, 3,968)	16.1 (12.4, 21)	3,791 (2,789, 5,051)	11.5 (8.5, 15.2)	-0.3 (-0.5, 0)
Taiwan (Province of China)	2,521 (2,412, 2,631)	14.2 (13.6, 14.8)	5,188 (4,010, 6,755)	13.6 (10.5, 17.7)	0 (-0.3, 0.2)
Southeast Asia	19,078 (16,957, 20,909)	6.7 (5.9, 7.3)	48,611 (39,686, 59,349)	7.7 (6.3, 9.4)	0.2 (-0.1, 0.5)
Cambodia	771 (584, 1,066)	11.7 (9.4, 14.2)	1,312 (1,001, 1,644)	9.9 (7.7, 12.2)	-0.2 (-0.4, 0.2)
Mauritius	14 (13, 15)	1.8 (1.7, 2)	36 (28, 47)	2.1 (1.6, 2.7)	0.1 (-0.2, 0.5)
Seychelles	4 (4, 5)	8 (6.9, 9.2)	7 (6, 8)	6 (5, 7.1)	-0.2 (-0.4, -0.1)
Indonesia	2,745 (2,353, 3,133)	2.5 (2.1, 2.8)	4,766 (3,993, 5,498)	2.2 (1.9, 2.5)	-0.1 (-0.3, 0.1)
Lao People's Democratic Republic	235 (159, 327)	10.1 (7, 13.8)	332 (242, 436)	6.9 (5.1, 8.9)	-0.3 (-0.6, 0)
Malaysia	563 (481, 660)	5.7 (4.9, 6.6)	1,864 (1,411, 2,438)	6.6 (5.1, 8.6)	0.2 (-0.2, 0.6)
Maldives	6 (4, 10)	6.8 (4.6, 10.2)	20 (16, 25)	6.1 (4.8, 7.5)	-0.1 (-0.4, 0.4)
Myanmar	672 (473, 975)	2.7 (1.9, 3.9)	1,984 (1,619, 2,396)	4.2 (3.5, 5)	0.5 (0.1, 1.2)
Philippines	3,548 (2,731, 4,345)	10.1 (7.7, 12.5)	5,887 (4,709, 7,348)	6.8 (5.4, 8.4)	-0.3 (-0.5, 0)
Sri Lanka	235 (205, 269)	2.1 (1.8, 2.4)	813 (582, 1,108)	3.1 (2.3, 4.2)	0.5 (0.1, 1.1)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Thailand	8,680 (7,498, 9,984)	21.9 (19, 25)	28,929 (21,240, 38,750)	28 (20.7, 37.2)	0.3 (-0.1, 0.8)
Timor-Leste	26 (17, 37)	7.7 (5.1, 10.8)	54 (35, 76)	6.3 (4.2, 8.9)	-0.2 (-0.4, 0.2)
Viet Nam	1,553 (1,147, 1,964)	3.7 (2.7, 4.7)	2,542 (1,924, 3,227)	2.7 (2.1, 3.4)	-0.3 (-0.5, 0.1)
Oceania	124 (105, 145)	3.7 (3.1, 4.3)	257 (214, 306)	3.3 (2.8, 3.9)	-0.1 (-0.3, 0.1)
Fiji	25 (20, 31)	5.9 (4.8, 7.4)	52 (39, 68)	6.3 (4.8, 8.1)	0.1 (-0.2, 0.5)
American Samoa	2 (1, 2)	5.7 (4.4, 7.1)	4 (3, 5)	7.4 (6.1, 9.2)	0.3 (0, 0.7)
Cook Islands	2 (2, 2)	14.1 (11.7, 16.7)	3 (3, 4)	13.3 (10.5, 16.5)	-0.1 (-0.3, 0.2)
Guam	3 (3, 4)	4 (3.4, 4.7)	13 (10, 16)	6.8 (5.5, 8.3)	0.7 (0.3, 1.2)
Nauru	1 (0, 1)	10.9 (7.7, 14.1)	1 (0, 1)	9.6 (6.7, 13.5)	-0.1 (-0.4, 0.2)
Niue	0 (0, 0)	8.6 (6.8, 10.9)	0 (0, 0)	8.1 (6.1, 10.5)	-0.1 (-0.3, 0.3)
Northern Mariana Islands	2 (1, 2)	7.4 (5.8, 9.2)	6 (4, 7)	9.3 (7.6, 11.5)	0.3 (0, 0.6)
Palau	1 (1, 2)	10.3 (7.1, 14.3)	3 (2, 4)	11.1 (8.5, 14.5)	0.1 (-0.3, 0.7)
Tokelau	0 (0, 0)	8.7 (6.4, 11.4)	0 (0, 0)	7.8 (5.6, 10.7)	-0.1 (-0.4, 0.3)
Tuvalu	1 (1, 1)	10.7 (8.1, 13.9)	1 (1, 1)	8.9 (6.5, 12.1)	-0.2 (-0.4, 0.2)
Kiribati	7 (5, 8)	14.7 (11.4, 18.4)	11 (8, 13)	12.4 (9.7, 15.7)	-0.2 (-0.4, 0.2)
Marshall Islands	2 (2, 3)	11.9 (9.1, 15.6)	4 (3, 6)	10.6 (7.6, 14.4)	-0.1 (-0.4, 0.2)
Micronesia (Federated States of)	6 (4, 8)	11.5 (8.5, 15.1)	9 (6, 13)	10.9 (7.1, 15.6)	-0.1 (-0.4, 0.4)
Papua New Guinea	25 (19, 33)	1.3 (1, 1.7)	67 (51, 88)	1.4 (1.1, 1.9)	0.1 (-0.2, 0.5)
Samoa	6 (5, 8)	6.4 (5, 8.1)	9 (6, 11)	5.4 (4.1, 6.9)	-0.1 (-0.4, 0.2)
Solomon Islands	13 (10, 17)	7.1 (5.3, 9.2)	23 (18, 29)	5.8 (4.6, 7.1)	-0.2 (-0.4, 0.1)
Tonga	15 (10, 20)	24.7 (17.1, 32.2)	22 (15, 29)	26.3 (19, 34.8)	0.1 (-0.2, 0.5)
Vanuatu	7 (5, 11)	9.4 (6, 14.1)	18 (12, 26)	9.4 (6.4, 13.5)	0 (-0.3, 0.5)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Central Asia	1,559 (1,390, 1,731)	3.2 (2.8, 3.5)	6,546 (5,643, 7,516)	8.4 (7.3, 9.6)	1.6 (1.2, 2.1)
Armenia	31 (28, 33)	1.1 (1, 1.2)	274 (225, 327)	6.6 (5.4, 7.9)	5.1 (4, 6.4)
Azerbaijan	53 (48, 60)	1 (0.9, 1.1)	380 (291, 497)	4 (3.1, 5.3)	3.1 (2.1, 4.7)
Georgia	69 (63, 77)	1.1 (1, 1.3)	205 (167, 252)	3.7 (3, 4.6)	2.3 (1.6, 3.1)
Kazakhstan	476 (443, 510)	3.6 (3.3, 3.8)	1,176 (1,007, 1,365)	6.5 (5.6, 7.5)	0.8 (0.5, 1.1)
Kyrgyzstan	41 (37, 45)	1.3 (1.2, 1.4)	121 (103, 141)	2.6 (2.2, 3)	1 (0.7, 1.4)
Mongolia	708 (560, 867)	65.1 (51.9, 79.1)	2,436 (1,850, 3,171)	102.2 (79.2, 129.3)	0.6 (0.2, 1.1)
Tajikistan	36 (32, 40)	1.1 (0.9, 1.2)	191 (152, 240)	3.6 (2.9, 4.6)	2.5 (1.7, 3.4)
Turkmenistan	27 (24, 29)	1.2 (1.1, 1.2)	262 (205, 333)	6 (4.7, 7.6)	4.2 (3, 5.6)
Uzbekistan	119 (103, 135)	0.9 (0.8, 1)	1,502 (1,222, 1,804)	6.5 (5.3, 7.7)	6.1 (4.7, 7.7)
Central Europe	7,811 (7,566, 8,012)	5.3 (5.1, 5.4)	7,281 (6,304, 8,463)	3.6 (3.1, 4.2)	-0.3 (-0.4, -0.2)
Albania	236 (220, 253)	11 (10.2, 11.7)	296 (214, 396)	7 (5.1, 9.4)	-0.4 (-0.5, -0.1)
Bosnia and Herzegovina	244 (226, 262)	5.6 (5.2, 6)	459 (364, 578)	7.7 (6.1, 9.7)	0.4 (0.1, 0.7)
Bulgaria	817 (763, 874)	6.4 (6, 6.9)	631 (500, 784)	4.8 (3.8, 6)	-0.3 (-0.4, -0.1)
Croatia	212 (196, 229)	3.3 (3, 3.5)	383 (298, 486)	4.6 (3.6, 5.9)	0.4 (0.1, 0.8)
Czechia	601 (570, 629)	4.4 (4.2, 4.6)	662 (538, 814)	3.3 (2.7, 4.1)	-0.2 (-0.4, -0.1)
Hungary	955 (912, 996)	6.5 (6.2, 6.8)	504 (412, 618)	2.8 (2.2, 3.4)	-0.6 (-0.7, -0.5)
North Macedonia	171 (153, 188)	8.8 (7.9, 9.7)	285 (223, 365)	8.8 (6.9, 11.2)	0 (-0.2, 0.3)
Montenegro	41 (33, 47)	6.4 (5.3, 7.4)	63 (51, 77)	6.5 (5.3, 7.9)	0 (-0.2, 0.4)
Poland	2,958 (2,860, 3,047)	6.8 (6.5, 7)	1,351 (1,128, 1,612)	2 (1.7, 2.4)	-0.7 (-0.8, -0.6)
Romania	497 (444, 562)	1.8 (1.6, 2)	1,107 (894, 1,356)	3.3 (2.6, 4)	0.8 (0.5, 1.3)
Serbia	718 (600, 832)	6.2 (5.2, 7.1)	933 (728, 1,189)	6.1 (4.7, 7.7)	0 (-0.3, 0.3)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Slovakia	286 (267, 308)	4.8 (4.5, 5.1)	348 (270, 445)	3.9 (3, 5)	-0.2 (-0.4, 0.1)
Slovenia	75 (57, 96)	3.1 (2.3, 4)	260 (198, 337)	6.4 (4.9, 8.3)	1.1 (0.4, 2)
Eastern Europe	4,328 (4,146, 4,540)	1.6 (1.5, 1.7)	9,931 (8,624, 11,375)	3.1 (2.6, 3.5)	0.9 (0.7, 1.2)
Belarus	167 (157, 177)	1.3 (1.2, 1.4)	427 (302, 579)	2.8 (2, 3.8)	1.2 (0.5, 1.9)
Estonia	43 (40, 46)	2.1 (2, 2.3)	107 (82, 135)	4.4 (3.3, 5.6)	1.1 (0.6, 1.6)
Latvia	59 (55, 63)	1.7 (1.6, 1.8)	105 (87, 128)	2.9 (2.4, 3.6)	0.7 (0.4, 1.1)
Lithuania	80 (75, 86)	1.8 (1.7, 1.9)	202 (158, 249)	4 (3.1, 4.9)	1.2 (0.7, 1.7)
Republic of Moldova	77 (71, 82)	1.7 (1.6, 1.8)	136 (115, 160)	2.4 (2, 2.8)	0.4 (0.2, 0.7)
Russian Federation	3,214 (3,064, 3,396)	1.8 (1.7, 1.9)	6,915 (5,824, 8,270)	3.1 (2.6, 3.7)	0.7 (0.5, 1)
Ukraine	688 (653, 722)	1 (0.9, 1.1)	2,040 (1,726, 2,423)	2.9 (2.5, 3.5)	1.9 (1.4, 2.5)
High-income Asia Pacific	43,224 (41,412, 45,087)	20.9 (20, 21.8)	138,363 (117,402, 159,435)	33.5 (28.9, 38.6)	0.6 (0.4, 0.8)
Brunei Darussalam	11 (9, 13)	10 (8.1, 11.9)	50 (41, 59)	13.8 (11.7, 16.3)	0.4 (0.1, 0.8)
Japan	38,815 (37,029, 40,613)	22.5 (21.5, 23.6)	95,298 (77,502, 113,597)	27.9 (23.1, 33.1)	0.2 (0, 0.5)
Republic of Korea	4,163 (3,433, 5,094)	12.2 (10.1, 14.9)	41,325 (33,440, 50,085)	46.6 (37.8, 56.3)	2.8 (1.8, 4.1)
Singapore	235 (219, 250)	10 (9.3, 10.7)	1,690 (1,327, 2,158)	21.8 (17.3, 27.9)	1.2 (0.7, 1.8)
Australasia	562 (540, 587)	2.4 (2.3, 2.6)	2,960 (2,413, 3,642)	6.7 (5.4, 8.2)	1.7 (1.2, 2.4)
Australia	436 (417, 457)	2.3 (2.2, 2.4)	2,320 (1,783, 3,014)	6.2 (4.7, 8)	1.7 (1.1, 2.5)
New Zealand	127 (117, 137)	3.4 (3.1, 3.6)	640 (520, 782)	9.3 (7.5, 11.4)	1.8 (1.2, 2.4)
Western Europe	23,754 (22,995, 24,363)	4.3 (4.2, 4.4)	69,945 (60,629, 80,348)	8.8 (7.6, 10.2)	1 (0.8, 1.4)
Andorra	7 (5, 9)	11.6 (8.5, 15.8)	23 (17, 30)	17.3 (12.9, 22.7)	0.5 (0, 1.2)
Monaco	3 (2, 3)	4.5 (3.5, 5.6)	11 (9, 14)	14.2 (11, 18.1)	2.2 (1.3, 3.3)
San Marino	1 (1, 1)	2.7 (2.3, 3.3)	3 (2, 4)	5.3 (3.9, 7.1)	0.9 (0.4, 1.7)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Austria	476 (452, 504)	4.3 (4.1, 4.6)	1,453 (1,154, 1,841)	9 (7.1, 11.5)	1.1 (0.7, 1.7)
Belgium	482 (456, 511)	3.2 (3.1, 3.4)	1,265 (988, 1,606)	6.4 (4.9, 8.1)	1 (0.5, 1.5)
Cyprus	27 (22, 32)	3.3 (2.8, 3.8)	97 (83, 115)	5.2 (4.4, 6.1)	0.6 (0.3, 1)
Denmark	300 (279, 323)	3.9 (3.6, 4.2)	663 (516, 858)	6.5 (5, 8.4)	0.7 (0.3, 1.2)
Finland	331 (305, 356)	4.7 (4.4, 5.1)	1,245 (971, 1,617)	11 (8.6, 14.3)	1.3 (0.8, 2.1)
France	4,459 (4,245, 4,677)	5.7 (5.5, 6)	11,822 (8,950, 15,569)	10.2 (7.6, 13.5)	0.8 (0.3, 1.3)
Germany	3,754 (3,468, 4,075)	3.1 (2.9, 3.4)	14,923 (11,410, 19,097)	8.7 (6.7, 11.2)	1.8 (1.1, 2.7)
Greece	391 (367, 415)	2.6 (2.5, 2.8)	1,011 (795, 1,278)	4.9 (3.9, 6.3)	0.9 (0.5, 1.4)
Iceland	7 (6, 8)	2.6 (2.4, 2.9)	29 (25, 34)	5.9 (5, 6.8)	1.2 (0.9, 1.7)
Ireland	66 (61, 70)	1.6 (1.5, 1.7)	451 (342, 579)	6.4 (4.8, 8.3)	2.9 (2, 4.1)
Israel	129 (116, 143)	2.6 (2.4, 2.9)	432 (336, 551)	3.9 (3.1, 5)	0.5 (0.1, 1)
Italy	7,242 (6,982, 7,521)	8.5 (8.1, 8.8)	12,644 (10,058, 15,853)	10.8 (8.5, 13.6)	0.3 (0, 0.6)
Luxembourg	18 (16, 19)	3.3 (3.1, 3.6)	58 (44, 75)	6.2 (4.8, 8.1)	0.9 (0.4, 1.4)
Malta	8 (7, 8)	1.8 (1.6, 2)	29 (24, 34)	3.6 (3, 4.3)	1 (0.6, 1.5)
Netherlands	345 (326, 366)	1.8 (1.7, 2)	1,630 (1,253, 2,067)	5.6 (4.3, 7.1)	2.1 (1.4, 2.9)
Norway	126 (120, 133)	2.1 (2, 2.2)	403 (331, 490)	4.9 (4, 5.9)	1.3 (0.9, 1.9)
Portugal	268 (254, 283)	2 (1.9, 2.1)	1,274 (986, 1,628)	6.5 (5, 8.3)	2.3 (1.5, 3.2)
Spain	2,331 (2,216, 2,440)	4.4 (4.2, 4.6)	7,832 (5,970, 10,180)	9.6 (7.3, 12.5)	1.2 (0.7, 1.9)
Sweden	350 (332, 368)	2.5 (2.4, 2.7)	655 (553, 770)	3.7 (3.1, 4.4)	0.5 (0.2, 0.7)
Switzerland	356 (331, 381)	3.7 (3.4, 3.9)	1,685 (1,261, 2,223)	10.8 (8, 14.4)	1.9 (1.2, 3)
United Kingdom	2,260 (2,180, 2,327)	2.7 (2.6, 2.8)	10,244 (8,411, 12,352)	9 (7.4, 10.9)	2.3 (1.7, 3)
Southern Latin America	740 (669, 812)	1.6 (1.4, 1.7)	2,058 (1,610, 2,607)	2.5 (2, 3.2)	0.6 (0.2, 1)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Argentina	460 (400, 521)	1.4 (1.2, 1.6)	1,133 (887, 1,428)	2.1 (1.7, 2.7)	0.5 (0.2, 1)
Chile	227 (211, 244)	2.2 (2, 2.4)	801 (612, 1,014)	3.4 (2.6, 4.3)	0.5 (0.2, 1)
Uruguay	54 (47, 60)	1.4 (1.2, 1.6)	124 (96, 159)	2.5 (1.9, 3.2)	0.8 (0.3, 1.4)
High-income North America	9,614 (9,343, 9,835)	2.9 (2.8, 3)	47,987 (39,430, 57,845)	8.4 (6.9, 10.1)	1.9 (1.4, 2.5)
Canada	829 (790, 870)	2.6 (2.5, 2.8)	4,750 (3,600, 6,188)	7.8 (5.9, 10.2)	2 (1.3, 2.9)
Greenland	2 (2, 2)	4.7 (4.1, 5.5)	5 (4, 6)	6.7 (5.2, 8.3)	0.4 (0.1, 0.9)
United States of America	8,782 (8,536, 8,994)	2.9 (2.8, 3)	43,231 (35,068, 52,419)	8.5 (6.9, 10.3)	1.9 (1.3, 2.5)
Caribbean	1,633 (1,520, 1,731)	6.1 (5.7, 6.5)	1,731 (1,428, 2,091)	3.4 (2.8, 4.1)	-0.4 (-0.5, -0.3)
Antigua and Barbuda	4 (4, 5)	8 (7.2, 8.8)	3 (2, 3)	2.8 (2.4, 3.3)	-0.6 (-0.7, -0.6)
Bermuda	5 (4, 5)	7.3 (6.5, 8)	3 (2, 4)	2.5 (2, 3.1)	-0.7 (-0.7, -0.6)
Puerto Rico	247 (232, 260)	6.8 (6.3, 7.1)	207 (155, 269)	3.2 (2.4, 4.2)	-0.5 (-0.6, -0.4)
Saint Kitts and Nevis	5 (4, 5)	12.9 (11.7, 14.2)	3 (2, 3)	3.8 (3.1, 4.6)	-0.7 (-0.8, -0.6)
United States Virgin Islands	4 (3, 4)	4.2 (3.4, 4.9)	5 (4, 6)	2.6 (2.1, 3.1)	-0.4 (-0.5, -0.2)
Bahamas	14 (12, 16)	8.5 (7.5, 9.6)	13 (11, 17)	3.3 (2.7, 4.1)	-0.6 (-0.7, -0.5)
Barbados	8 (6, 10)	2.9 (2.1, 3.7)	13 (11, 16)	2.8 (2.3, 3.3)	0 (-0.3, 0.4)
Belize	6 (5, 7)	6 (5.4, 6.7)	9 (8, 11)	3.1 (2.7, 3.6)	-0.5 (-0.6, -0.4)
Cuba	684 (649, 716)	6.6 (6.2, 6.9)	466 (372, 581)	2.5 (2, 3.1)	-0.6 (-0.7, -0.5)
Dominica	6 (5, 7)	8.8 (7.7, 10)	3 (2, 4)	3.3 (2.6, 4.1)	-0.6 (-0.7, -0.5)
Dominican Republic	173 (151, 196)	4.1 (3.6, 4.6)	464 (309, 719)	4.9 (3.3, 7.4)	0.2 (-0.2, 0.9)
Grenada	6 (6, 7)	9.1 (8.1, 10.1)	3 (3, 4)	3 (2.7, 3.5)	-0.7 (-0.7, -0.6)
Guyana	28 (24, 32)	6.7 (5.7, 7.6)	20 (15, 26)	3.1 (2.4, 3.9)	-0.5 (-0.7, -0.4)
Haiti	230 (143, 313)	6.5 (4.1, 9.1)	306 (184, 463)	4.1 (2.5, 6.2)	-0.4 (-0.6, -0.1)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Jamaica	72 (67, 77)	4 (3.8, 4.3)	80 (63, 101)	2.7 (2.1, 3.4)	-0.3 (-0.5, -0.1)
Saint Lucia	6 (5, 6)	6.1 (5.6, 6.7)	5 (4, 6)	2.2 (1.8, 2.7)	-0.6 (-0.7, -0.6)
Saint Vincent and the Grenadines	5 (5, 6)	7.3 (6.7, 7.9)	4 (4, 5)	3.1 (2.6, 3.6)	-0.6 (-0.6, -0.5)
Suriname	18 (16, 20)	6.6 (5.9, 7.4)	16 (13, 21)	2.7 (2.1, 3.4)	-0.6 (-0.7, -0.5)
Trinidad and Tobago	58 (55, 62)	6.7 (6.3, 7.1)	48 (36, 63)	2.6 (1.9, 3.4)	-0.6 (-0.7, -0.5)
Andean Latin America	1,116 (981, 1,256)	5 (4.4, 5.7)	1,822 (1,480, 2,228)	3.2 (2.6, 3.9)	-0.4 (-0.5, -0.2)
Bolivia (Plurinational State of)	172 (130, 227)	4.9 (3.7, 6.4)	410 (301, 537)	4.5 (3.4, 5.9)	-0.1 (-0.3, 0.3)
Ecuador	165 (148, 182)	2.9 (2.5, 3.2)	521 (411, 672)	3.4 (2.7, 4.4)	0.2 (-0.1, 0.6)
Peru	778 (669, 897)	6 (5.2, 7)	892 (656, 1,180)	2.8 (2, 3.7)	-0.5 (-0.7, -0.4)
Central Latin America	3,164 (2,957, 3,323)	3.5 (3.3, 3.7)	8,384 (7,201, 9,758)	3.5 (3.1, 4.1)	0 (-0.1, 0.2)
Colombia	548 (521, 577)	2.9 (2.7, 3)	1,394 (1,061, 1,791)	2.7 (2, 3.4)	-0.1 (-0.3, 0.2)
Costa Rica	102 (95, 109)	5.6 (5.2, 6)	288 (221, 368)	5.6 (4.3, 7.2)	0 (-0.2, 0.3)
El Salvador	110 (102, 118)	3.5 (3.2, 3.8)	119 (89, 156)	2 (1.5, 2.7)	-0.4 (-0.6, -0.2)
Guatemala	369 (328, 418)	9.3 (8.2, 10.5)	526 (413, 669)	4.5 (3.6, 5.8)	-0.5 (-0.6, -0.4)
Honduras	246 (100, 351)	11.2 (4.3, 16.3)	905 (418, 1,354)	14.7 (6.8, 21.8)	0.3 (0, 0.9)
Mexico	1027 (995, 1056)	2.2 (2.2, 2.3)	4,156 (3,585, 4,767)	3.6 (3.1, 4.1)	0.6 (0.4, 0.8)
Nicaragua	56 (49, 62)	3.2 (2.8, 3.6)	179 (144, 222)	3.9 (3.2, 4.9)	0.2 (0, 0.6)
Panama	54 (50, 58)	3.4 (3.1, 3.7)	130 (99, 169)	3.2 (2.4, 4.1)	-0.1 (-0.3, 0.2)
Venezuela (Bolivarian Republic of)	652 (622, 683)	6.5 (6.2, 6.8)	686 (521, 901)	2.4 (1.8, 3.1)	-0.6 (-0.7, -0.5)
Tropical Latin America	1,983 (1,912, 2,042)	2 (1.9, 2.1)	5,964 (5,650, 6,270)	2.5 (2.3, 2.6)	0.2 (0.2, 0.3)
Brazil	1,928 (1,859, 1,986)	2 (1.9, 2.1)	5,848 (5,542, 6,150)	2.5 (2.3, 2.6)	0.2 (0.2, 0.3)
Paraguay	55 (48, 63)	2.4 (2, 2.7)	116 (87, 152)	2.1 (1.6, 2.7)	-0.1 (-0.4, 0.2)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
North Africa and Middle East	11,684 (10,302, 13,022)	6.2 (5.5, 7)	33,485 (27,179, 40,970)	7.3 (6, 9)	0.2 (-0.1, 0.5)
Algeria	229 (185, 280)	1.7 (1.4, 2.1)	901 (704, 1,131)	2.6 (2, 3.3)	0.5 (0.1, 1)
Afghanistan	900 (684, 1,157)	11.7 (9, 15)	1,621 (1,209, 2,157)	10.2 (7.8, 13)	-0.1 (-0.4, 0.2)
Sudan	345 (205, 508)	3.5 (2, 5.3)	732 (431, 1,114)	3.8 (2.2, 5.8)	0.1 (-0.3, 0.6)
Bahrain	10 (8, 12)	5.4 (4.6, 6.4)	65 (50, 84)	7.2 (5.7, 9.2)	0.3 (0, 0.8)
Egypt	5,613 (4,507, 6,713)	17.4 (13.7, 20.9)	15,691 (11,057, 21,699)	22.6 (16.2, 30.9)	0.3 (-0.1, 1)
Iran (Islamic Republic of)	1,188 (990, 1,386)	4.3 (3.5, 5.2)	3,715 (3,327, 4,118)	5.1 (4.5, 5.6)	0.2 (-0.1, 0.5)
Iraq	382 (295, 479)	4.5 (3.5, 5.6)	1,755 (1,311, 2,270)	7.1 (5.4, 9)	0.6 (0.1, 1.3)
Jordan	45 (35, 55)	3.1 (2.4, 3.8)	204 (164, 254)	3 (2.5, 3.8)	0 (-0.3, 0.4)
Kuwait	23 (20, 25)	3.2 (2.8, 3.6)	113 (88, 140)	4.4 (3.5, 5.4)	0.4 (0.1, 0.7)
Lebanon	87 (70, 108)	3.6 (3, 4.5)	332 (243, 461)	6.3 (4.6, 8.8)	0.7 (0.2, 1.7)
Libya	112 (85, 145)	5.5 (4.1, 7.2)	336 (246, 467)	6.1 (4.5, 8.4)	0.1 (-0.3, 0.7)
Morocco	256 (190, 316)	1.9 (1.4, 2.3)	676 (511, 842)	2.2 (1.7, 2.7)	0.2 (-0.2, 0.6)
Palestine	77 (56, 104)	8.5 (6.3, 11.4)	184 (154, 224)	7.5 (6.2, 9)	-0.1 (-0.4, 0.2)
Oman	35 (25, 47)	4.5 (3.1, 6)	147 (116, 182)	7.2 (6, 8.6)	0.6 (0.1, 1.4)
Qatar	16 (12, 22)	15.9 (12, 20.7)	170 (120, 228)	24.9 (18.3, 33.2)	0.6 (0.1, 1.3)
Saudi Arabia	321 (231, 411)	5.2 (3.7, 6.7)	1,336 (1,013, 1,721)	7.2 (5.6, 9)	0.4 (-0.1, 1.1)
Syrian Arab Republic	283 (215, 355)	5 (3.7, 6.3)	676 (505, 904)	5.4 (4.1, 7.1)	0.1 (-0.3, 0.7)
Tunisia	103 (80, 131)	1.9 (1.5, 2.5)	324 (229, 452)	2.6 (1.8, 3.6)	0.3 (-0.1, 1)
Turkey	1,461 (1,164, 1,773)	3.8 (3.1, 4.6)	3,750 (2,959, 4,670)	4.3 (3.4, 5.3)	0.1 (-0.2, 0.6)
United Arab Emirates	24 (13, 42)	4.3 (2.2, 8.2)	273 (121, 604)	5 (2.2, 11.4)	0.2 (-0.3, 0.8)
Yemen	165 (104, 244)	3.1 (2, 4.6)	450 (323, 619)	3.2 (2.3, 4.4)	0 (-0.3, 0.5)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
South Asia	17,056 (14,598, 19,522)	2.7 (2.2, 3.1)	40,066 (34,740, 45,877)	2.7 (2.4, 3.1)	0 (-0.2, 0.2)
Bangladesh	2,048 (1,607, 2,555)	3.3 (2.7, 4)	3,667 (2,866, 4,563)	2.7 (2.1, 3.3)	-0.2 (-0.4, 0.1)
Bhutan	7 (4, 10)	2.3 (1.5, 3.3)	18 (12, 25)	3.1 (2.1, 4.3)	0.4 (-0.1, 1)
India	12,675 (10,643, 14,739)	2.5 (2.1, 3)	31,604 (26,554, 37,520)	2.7 (2.2, 3.2)	0.1 (-0.2, 0.3)
Nepal	199 (149, 265)	1.8 (1.4, 2.3)	473 (341, 681)	2.1 (1.5, 3)	0.2 (-0.2, 0.6)
Pakistan	2,127 (1,481, 2,803)	3.3 (2.2, 4.5)	4,305 (3,455, 5,262)	3.4 (2.7, 4.1)	0 (-0.3, 0.5)
Central Sub-Saharan Africa	801 (645, 991)	2.7 (2.2, 3.1)	1,571 (1,228, 1,992)	2.3 (1.9, 2.9)	-0.1 (-0.3, 0.2)
Angola	130 (95, 174)	2.5 (1.9, 3.3)	339 (253, 443)	2.4 (1.9, 3)	0 (-0.3, 0.3)
Central African Republic	52 (36, 74)	3.5 (2.5, 4.9)	83 (51, 126)	3.2 (2, 4.7)	-0.1 (-0.3, 0.2)
Congo	50 (37, 69)	3.9 (2.9, 5.4)	84 (59, 117)	2.9 (2.1, 3.9)	-0.3 (-0.5, 0)
Democratic Republic of the Congo	539 (424, 684)	2.5 (2, 3)	1,010 (747, 1,347)	2.2 (1.7, 2.9)	-0.1 (-0.4, 0.2)
Equatorial Guinea	7 (5, 10)	3 (2.2, 4)	18 (10, 28)	3.1 (1.8, 4.7)	0 (-0.4, 0.7)
Gabon	21 (15, 28)	3.4 (2.5, 4.3)	37 (24, 53)	3.3 (2.2, 4.7)	0 (-0.4, 0.5)
Eastern Sub-Saharan Africa	2,723 (2,190, 3,370)	2.9 (2.4, 3.7)	6,048 (4,924, 7,477)	3.2 (2.6, 3.9)	0.1 (-0.1, 0.3)
Burundi	101 (72, 134)	3.7 (2.6, 4.8)	158 (108, 246)	2.9 (2, 4.6)	-0.2 (-0.5, 0.2)
South Sudan	85 (52, 153)	3 (1.9, 5.6)	121 (70, 210)	2.7 (1.6, 4.8)	-0.1 (-0.4, 0.3)
Comoros	8 (4, 13)	3.1 (1.6, 5.3)	14 (10, 23)	2.8 (1.9, 4.4)	-0.1 (-0.4, 0.8)
Djibouti	6 (4, 11)	3.2 (2.1, 5.6)	22 (13, 37)	3.3 (2.1, 5.4)	0 (-0.3, 0.4)
Eritrea	39 (26, 59)	3.1 (2.1, 4.8)	97 (66, 144)	3.1 (2.1, 4.4)	0 (-0.3, 0.4)
Ethiopia	716 (487, 1,061)	2.8 (2, 4)	1,251 (1,001, 1,606)	2.7 (2.2, 3.4)	-0.1 (-0.4, 0.4)
Kenya	239 (167, 418)	2.5 (1.7, 4.4)	724 (468, 1,072)	2.9 (1.9, 4.3)	0.2 (-0.1, 0.5)
Madagascar	183 (134, 303)	3 (2.1, 5.1)	320 (216, 481)	2.5 (1.6, 3.7)	-0.2 (-0.4, 0.2)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Malawi	188 (135, 265)	3.4 (2.5, 4.8)	267 (205, 335)	2.8 (2.2, 3.6)	-0.2 (-0.4, 0.2)
Mozambique	147 (103, 234)	2.1 (1.5, 3.4)	498 (340, 669)	3.7 (2.5, 4.9)	0.8 (-0.2, 1.9)
Rwanda	171 (121, 244)	5 (3.6, 6.9)	310 (233, 412)	4.5 (3.5, 5.9)	-0.1 (-0.4, 0.4)
Somalia	110 (64, 191)	3.5 (2.2, 6.1)	271 (169, 473)	3.3 (2.1, 6)	-0.1 (-0.4, 0.4)
United Republic of Tanzania	296 (231, 376)	2.1 (1.7, 2.5)	681 (512, 887)	2.3 (1.8, 2.9)	0.1 (-0.2, 0.4)
Uganda	345 (275, 424)	4.5 (3.6, 5.5)	1,089 (835, 1,393)	6.3 (4.9, 7.9)	0.4 (0, 0.9)
Zambia	87 (63, 121)	2.3 (1.8, 3.4)	220 (167, 281)	2.7 (2.1, 3.4)	0.2 (-0.2, 0.7)
Southern Sub-Saharan Africa	2,095 (1,479, 3,465)	6.7 (4.7, 11.2)	4,374 (3,893, 4,938)	7.1 (6.3, 7.9)	0 (-0.4, 0.6)
Botswana	6 (3, 15)	1 (0.5, 2.2)	25 (17, 35)	1.6 (1.1, 2.1)	0.6 (-0.3, 2.3)
Lesotho	55 (33, 119)	5.2 (3.2, 11)	208 (81, 334)	14.6 (6, 23)	1.8 (-0.3, 5.1)
Namibia	14 (9, 26)	1.9 (1.1, 3.4)	52 (37, 69)	3.4 (2.5, 4.4)	0.8 (0, 2.2)
South Africa	1,443 (964, 2,449)	6.1 (4, 10.3)	2,832 (2,497, 3,218)	5.8 (5.2, 6.6)	0 (-0.5, 0.6)
Eswatini	19 (12, 38)	5.7 (3.7, 11.1)	131 (37, 246)	19.1 (5.6, 34.9)	2.3 (-0.4, 7.1)
Zimbabwe	556 (428, 872)	12.1 (9.4, 18.7)	1,126 (825, 1,554)	14 (10.4, 18.8)	0.2 (-0.2, 0.6)
Western Sub-Saharan Africa	5,595 (4,735, 6,510)	5.5 (4.7, 6.4)	10,553 (8,768, 12,479)	5 (4.2, 5.8)	-0.1 (-0.3, 0.1)
Benin	148 (119, 189)	6.6 (5.3, 8.5)	274 (197, 374)	4.8 (3.6, 6.5)	-0.3 (-0.5, 0)
Burkina Faso	162 (125, 206)	3 (2.4, 3.6)	275 (204, 363)	2.2 (1.7, 2.8)	-0.2 (-0.5, 0)
Cameroon	32 (23, 48)	0.6 (0.4, 1)	94 (66, 129)	0.7 (0.5, 0.9)	0 (-0.4, 0.5)
Cabo Verde	3 (2, 3)	1.1 (0.9, 1.3)	55 (44, 66)	12.1 (9.9, 14.7)	9.9 (7.6, 13)
Chad	194 (150, 250)	6.2 (4.8, 8)	348 (258, 454)	5.3 (4, 6.9)	-0.1 (-0.4, 0.1)
cote d'Ivoire	372 (275, 482)	7.5 (5.7, 9.5)	591 (419, 815)	4.8 (3.5, 6.5)	-0.4 (-0.5, -0.1)
Gambia	137 (98, 184)	31.3 (23, 41.6)	456 (324, 608)	40.4 (28.8, 53)	0.3 (-0.1, 0.9)

Supplementary Table 2. Continued

Prevalence of liver cancer	1990		2019		Percentage change in Age-standardized rates between 1990 and 2019
	Counts (95% UI)	Rate (95% UI)	Counts (95% UI)	Rate (95% UI)	
Ghana	434 (330, 581)	5.9 (4.6, 7.9)	1,082 (788, 1,385)	5.8 (4.3, 7.5)	0 (-0.4, 0.4)
Guinea	1,102 (912, 1,330)	30.4 (25.1, 36.6)	2,042 (1,422, 2,672)	32.9 (22.6, 43.1)	0.1 (-0.3, 0.5)
Guinea-Bissau	38 (27, 56)	8.1 (5.7, 11.5)	53 (37, 74)	6.2 (4.5, 8.4)	-0.2 (-0.5, 0.1)
Liberia	82 (64, 106)	6.8 (5.4, 8.9)	117 (81, 171)	4.9 (3.5, 7.2)	-0.3 (-0.5, 0)
Mali	772 (631, 934)	15.8 (12.9, 19.2)	1,509 (1,102, 2,028)	15.2 (11.2, 20.2)	0 (-0.3, 0.3)
Mauritania	77 (61, 95)	7 (5.6, 8.6)	92 (65, 123)	4.1 (3, 5.4)	-0.4 (-0.6, -0.2)
Niger	22 (17, 28)	0.7 (0.5, 0.8)	57 (41, 77)	0.6 (0.5, 0.8)	-0.1 (-0.3, 0.2)
Nigeria	1,717 (1,307, 2,185)	3.3 (2.5, 4.2)	2,925 (2,250, 3,757)	3.2 (2.5, 4)	0 (-0.3, 0.3)
Sao Tome and Principe	2 (1, 2)	2.5 (1.9, 3.1)	3 (2, 5)	2.7 (1.8, 3.6)	0.1 (-0.3, 0.6)
Senegal	84 (66, 100)	2.2 (1.8, 2.7)	178 (130, 229)	2.1 (1.6, 2.7)	-0.1 (-0.3, 0.3)
Sierra Leone	122 (91, 159)	5.9 (4.4, 7.6)	192 (140, 258)	4.6 (3.5, 6.2)	-0.2 (-0.4, 0.1)
Togo	96 (76, 122)	6.5 (5.1, 8.3)	212 (158, 278)	5 (3.8, 6.5)	-0.2 (-0.5, 0.1)

UI, uncertainty interval; SDI, sociodemographic index.