

Supplementary material
The The burden of acute hepatitis C from 1990 to 2019 at the global, regional, and national level

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Table S1: Prevalence cases of acute hepatitis C in 1990 and 2019 for both sexes and percentage change of age-standardised rates(ASR) by location						
	1990			2019		Percentage change in ASR from 1990 and 2019
	Counts (95% UI)	ASR Rate (95% UI)		Counts (95% UI)	ASR Rate (95% UI)	
Global	528468 (466289-608934)	9.52 (8.43-10.97)		636316 (560704-736992)	8.53 (7.54-9.88)	-0.1 (-0.12--0.09)
High-income North America	14609 (12610-17185)	5.21 (4.53-6.13)		21728 (18665-25449)	5.76 (5.01-6.74)	0.11 (0.08-0.14)
Canada	1212 (1060-1391)	4.47 (3.91-5.1)		1758 (1490-2032)	4.43 (3.87-5.05)	-0.01 (-0.08-0.06)
Greenland	3 (3-3)	5.43 (4.72-6.29)		3 (3-3)	5.38 (4.71-6.19)	-0.01 (-0.06-0.05)
United States of America	13394 (11523-15793)	5.29 (4.59-6.25)		19966 (17122-23506)	5.91 (5.12-6.92)	0.12 (0.09-0.15)
Australasia	1479 (1286-1738)	7.56 (6.63-8.89)		2275 (1962-2659)	7.52 (6.57-8.73)	-0.01 (-0.08-0.07)
Australia	1324 (1151-1557)	8.21 (7.19-9.65)		2062 (1768-2425)	8.17 (7.13-9.52)	0 (-0.08-0.08)
New Zealand	154 (131-184)	4.49 (3.82-5.31)		213 (178-255)	4.07 (3.48-4.79)	-0.09 (-0.12--0.06)
High-income Asia Pacific	10191 (8565-12050)	5.4 (4.61-6.29)		12786 (10565-15645)	3.95 (3.38-4.65)	-0.27 (-0.3--0.23)
Brunei Darussalam	8 (7-9)	4.3 (3.69-5)		15 (12-17)	3.94 (3.41-4.56)	-0.08 (-0.15--0.02)
Japan	8083 (6639-9762)	5.35 (4.47-6.38)		9939 (8108-12311)	4.08 (3.46-4.81)	-0.24 (-0.27--0.2)
Singapore	100 (85-119)	3.91 (3.36-4.59)		251 (210-299)	3.79 (3.24-4.49)	-0.03 (-0.08-0.03)
Republic of Korea	2000 (1786-2239)	5.29 (4.7-5.97)		2581 (2143-3096)	3.63 (3.13-4.24)	-0.31 (-0.36--0.25)
Western Europe	21603 (18637-25179)	5.13 (4.5-5.92)		25856 (22076-30151)	4.72 (4.13-5.45)	-0.08 (-0.1--0.05)
Andorra	3 (2-3)	4.74 (4.09-5.57)		5 (4-6)	4.8 (4.17-5.64)	0.01 (-0.04-0.07)
Austria	402 (346-470)	4.79 (4.17-5.61)		489 (412-583)	4.44 (3.86-5.22)	-0.07 (-0.14-0)
Belgium	400 (360-447)	3.6 (3.29-3.97)		631 (536-750)	4.44 (3.9-5.13)	0.23 (0.11-0.37)
Cyprus	32 (27-38)	4.16 (3.58-4.97)		55 (46-66)	3.67 (3.15-4.31)	-0.12 (-0.18--0.05)
Denmark	222 (188-263)	4 (3.46-4.74)		280 (238-334)	3.98 (3.46-4.71)	-0.01 (-0.08-0.07)
Finland	216 (184-252)	4.02 (3.48-4.65)		310 (263-367)	4.45 (3.9-5.21)	0.11 (0.04-0.18)
France	2785 (2393-3274)	4.4 (3.83-5.13)		3588 (3069-4236)	4.25 (3.72-4.89)	-0.03 (-0.11-0.04)
Germany	3438 (2893-4049)	3.83 (3.3-4.46)		4206 (3548-5081)	3.77 (3.3-4.43)	-0.02 (-0.09-0.06)
Greece	378 (323-444)	3.27 (2.82-3.79)		395 (323-476)	2.78 (2.38-3.24)	-0.15 (-0.2--0.1)
Iceland	9 (7-10)	3.35 (2.86-3.97)		13 (11-15)	3.31 (2.86-3.88)	-0.01 (-0.06-0.05)
Ireland	133 (113-160)	3.67 (3.14-4.39)		223 (189-259)	4.03 (3.49-4.69)	0.1 (0.03-0.19)
Israel	200 (174-234)	4.11 (3.56-4.76)		420 (363-498)	4.22 (3.65-5)	0.03 (-0.05-0.11)
Italy	6329 (5370-7544)	10.08 (8.72-11.9)		5907 (4878-7206)	7.81 (6.69-9.28)	-0.23 (-0.26--0.2)
Luxembourg	19 (16-22)	4.5 (3.89-5.3)		31 (26-37)	4.34 (3.77-5.03)	-0.04 (-0.09-0.03)
Malta	15 (13-18)	3.95 (3.39-4.64)		21 (17-25)	3.77 (3.26-4.44)	-0.05 (-0.11-0.03)

Monaco	2 (1-2)	4.06 (3.5-4.78)	3 (2-3)	4.89 (4.25-5.72)	0.2 (0.14-0.28)
Netherlands	394 (334-469)	2.41 (2.06-2.84)	560 (474-669)	2.46 (2.13-2.88)	0.02 (-0.06-0.09)
Norway	206 (173-249)	4.48 (3.82-5.34)	277 (229-332)	4.46 (3.8-5.34)	0 (-0.03-0.03)
San Marino	1 (1-1)	4.29 (3.69-5.06)	2 (1-2)	4.27 (3.69-5.03)	0 (-0.05-0.05)
Portugal	551 (474-642)	5.2 (4.53-6.02)	591 (501-705)	4.37 (3.84-5.02)	-0.16 (-0.22--0.08)
Spain	2422 (2142-2774)	5.76 (5.15-6.56)	2869 (2431-3363)	4.76 (4.15-5.47)	-0.17 (-0.23--0.1)
Sweden	384 (317-464)	3.87 (3.28-4.6)	482 (396-588)	3.77 (3.19-4.47)	-0.03 (-0.06-0.01)
Switzerland	282 (239-335)	3.72 (3.21-4.32)	455 (384-539)	4.17 (3.62-4.87)	0.12 (0.05-0.2)
United Kingdom	2765 (2328-3283)	4.47 (3.86-5.29)	4023 (3403-4783)	5.13 (4.43-6.04)	0.15 (0.12-0.18)
Southern Latin America	1824 (1618-2067)	3.79 (3.37-4.3)	2695 (2361-3072)	3.73 (3.3-4.25)	-0.02 (-0.06-0.04)
Argentina	1119 (983-1278)	3.43 (3.02-3.93)	1720 (1498-1978)	3.59 (3.15-4.11)	0.05 (-0.01-0.12)
Chile	596 (533-671)	4.85 (4.34-5.47)	849 (747-964)	4.2 (3.73-4.71)	-0.14 (-0.18--0.08)
Uruguay	109 (94-128)	3.25 (2.83-3.8)	126 (108-147)	3.05 (2.68-3.54)	-0.06 (-0.12-0.01)
Eastern Europe	17027 (14716-20222)	8.12 (7.03-9.65)	17687 (15144-20987)	9.71 (8.44-11.41)	0.2 (0.16-0.24)
Belarus	813 (705-949)	8.47 (7.34-9.91)	739 (642-876)	9.07 (7.9-10.6)	0.07 (0-0.15)
Estonia	117 (103-136)	8.13 (7.05-9.44)	97 (84-114)	8.38 (7.34-9.83)	0.03 (-0.03-0.1)
Latvia	188 (163-222)	7.68 (6.66-9.06)	130 (111-153)	7.57 (6.6-8.82)	-0.02 (-0.07-0.06)
Lithuania	314 (274-369)	9.38 (8.16-11.03)	224 (192-260)	9.62 (8.39-11.2)	0.03 (-0.04-0.1)
Republic of Moldova	560 (485-661)	12.86 (11.15-15.11)	341 (292-401)	11.46 (9.95-13.24)	-0.11 (-0.16--0.05)
Russian Federation	10819 (9295-12916)	7.69 (6.62-9.16)	12190 (10431-14488)	9.36 (8.1-11.04)	0.22 (0.18-0.26)
Ukraine	4216 (3636-5040)	8.81 (7.59-10.49)	3967 (3382-4736)	11.2 (9.61-13.18)	0.27 (0.2-0.35)
Central Europe	6821 (6000-7919)	5.98 (5.27-6.87)	5452 (4689-6351)	5.15 (4.55-5.92)	-0.14 (-0.16--0.11)
Albania	192 (168-224)	5.88 (5.2-6.75)	127 (109-149)	4.77 (4.19-5.54)	-0.19 (-0.23--0.15)
Bosnia and Herzegovina	241 (209-280)	5.82 (5.07-6.68)	171 (145-205)	5.45 (4.79-6.45)	-0.06 (-0.12-0)
Bulgaria	399 (346-471)	4.93 (4.31-5.7)	318 (270-379)	4.87 (4.29-5.6)	-0.01 (-0.07-0.05)
Croatia	210 (182-247)	4.62 (4.06-5.33)	174 (147-204)	4.08 (3.58-4.68)	-0.12 (-0.17--0.06)
Czechia	389 (337-460)	3.99 (3.49-4.66)	390 (334-453)	3.65 (3.2-4.2)	-0.09 (-0.14--0.03)
Hungary	686 (604-787)	7.66 (6.79-8.69)	455 (391-537)	5.16 (4.54-6.03)	-0.33 (-0.38--0.27)
North Macedonia	96 (83-111)	5 (4.36-5.76)	97 (82-118)	4.79 (4.14-5.62)	-0.04 (-0.09-0.02)
Montenegro	25 (22-29)	4.18 (3.65-4.93)	25 (21-30)	4.28 (3.7-4.99)	0.02 (-0.04-0.08)
Poland	2063 (1771-2458)	5.63 (4.87-6.65)	1742 (1473-2084)	4.91 (4.24-5.78)	-0.13 (-0.15--0.1)
Romania	1688 (1474-1948)	8.02 (6.99-9.22)	1186 (1024-1398)	7.08 (6.21-8.1)	-0.12 (-0.18--0.05)
Serbia	448 (390-526)	5.11 (4.48-5.89)	416 (353-489)	4.97 (4.33-5.8)	-0.03 (-0.09-0.04)

Slovakia	281 (244-323)	5.67 (4.94-6.48)	244 (209-286)	4.89 (4.28-5.66)	-0.14 (-0.18--0.08)
Slovenia	106 (91-124)	5.99 (5.26-6.88)	106 (90-125)	5.25 (4.58-6.08)	-0.12 (-0.18--0.06)
Central Asia	13849 (11941-16037)	17.09 (14.98-19.69)	16788 (14779-19230)	17.97 (15.87-20.49)	0.05 (0.01-0.1)
Armenia	495 (428-581)	13.97 (12.15-16.32)	412 (359-476)	15.21 (13.33-17.5)	0.09 (0.01-0.18)
Azerbaijan	1249 (1076-1468)	15.7 (13.63-18.36)	1431 (1246-1705)	15.74 (13.67-18.6)	0 (-0.05-0.06)
Georgia	769 (670-903)	15.07 (13.08-17.64)	469 (404-544)	14.55 (12.64-16.8)	-0.03 (-0.09-0.04)
Kazakhstan	1955 (1687-2241)	11.56 (10.01-13.35)	2258 (1975-2626)	12.41 (10.84-14.37)	0.07 (0-0.16)
Kyrgyzstan	920 (792-1066)	17.29 (15.01-20.06)	1210 (1057-1426)	17.41 (15.34-20.23)	0.01 (-0.06-0.08)
Mongolia	1182 (1004-1407)	39.92 (34.81-46.5)	1457 (1231-1754)	41.3 (35.56-49.06)	0.03 (-0.06-0.13)
Tajikistan	1368 (1162-1622)	18.5 (16.13-21.58)	1947 (1689-2273)	18.49 (16.22-21.46)	0 (-0.07-0.08)
Turkmenistan	922 (795-1082)	19.12 (16.74-22.09)	947 (826-1082)	18.11 (15.88-20.61)	-0.05 (-0.12-0.02)
Uzbekistan	4989 (4205-5818)	18.43 (16.14-21.4)	6657 (5808-7685)	19.28 (16.87-22.17)	0.05 (-0.03-0.13)
Central Latin America	20721 (17944-24590)	11.9 (10.42-13.95)	25562 (22233-30342)	10.43 (9.11-12.29)	-0.12 (-0.14--0.1)
Colombia	3654 (3152-4315)	10.67 (9.28-12.47)	3962 (3446-4685)	8.57 (7.47-10.12)	-0.2 (-0.25--0.14)
Costa Rica	369 (321-434)	11.56 (10.17-13.4)	502 (431-591)	11.16 (9.71-13)	-0.04 (-0.09-0.03)
El Salvador	788 (680-921)	13.53 (11.81-15.61)	749 (659-881)	12.11 (10.66-14.09)	-0.1 (-0.15--0.06)
Guatemala	1859 (1602-2184)	19.31 (16.96-22.45)	2891 (2522-3347)	15.65 (13.78-17.97)	-0.19 (-0.24--0.12)
Honduras	989 (836-1195)	17.72 (15.47-20.91)	1655 (1437-1941)	16.25 (14.27-18.96)	-0.08 (-0.13--0.04)
Mexico	9616 (8025-11882)	11.02 (9.32-13.23)	11848 (10036-14223)	9.63 (8.22-11.56)	-0.13 (-0.15--0.1)
Nicaragua	1004 (898-1115)	20.49 (18.38-22.61)	1003 (878-1175)	15.2 (13.35-17.59)	-0.26 (-0.32--0.18)
Panama	236 (204-281)	9.64 (8.39-11.21)	351 (305-410)	8.53 (7.42-9.98)	-0.12 (-0.18--0.06)
Venezuela (Bolivarian Republic of)	2207 (1893-2649)	11.13 (9.66-13.04)	2601 (2249-3103)	9.57 (8.34-11.37)	-0.14 (-0.2--0.08)
Andean Latin America	2476 (2131-2919)	6.36 (5.56-7.45)	3664 (3180-4305)	5.87 (5.09-6.86)	-0.08 (-0.11--0.05)
Bolivia (Plurinational State of)	492 (420-585)	7.27 (6.27-8.48)	802 (694-958)	6.64 (5.73-7.86)	-0.09 (-0.13--0.05)
Ecuador	605 (524-722)	5.98 (5.18-7)	996 (867-1156)	5.84 (5.07-6.78)	-0.02 (-0.07-0.03)
Peru	1379 (1188-1635)	6.27 (5.47-7.34)	1867 (1612-2206)	5.61 (4.85-6.6)	-0.11 (-0.15--0.06)
Caribbean	4005 (3505-4733)	11.05 (9.75-12.92)	4711 (4114-5565)	10.35 (9.07-12.2)	-0.06 (-0.09--0.04)
Antigua and Barbuda	6 (5-7)	10.28 (8.96-12.09)	7 (6-8)	8.3 (7.21-9.8)	-0.19 (-0.24--0.14)
Bahamas	24 (21-29)	9.75 (8.47-11.58)	29 (25-35)	8.34 (7.28-9.96)	-0.14 (-0.19--0.1)
Barbados	22 (19-26)	8.83 (7.65-10.36)	22 (19-26)	7.79 (6.77-9.16)	-0.12 (-0.16--0.07)
Belize	23 (19-27)	11.19 (9.76-13.27)	41 (35-48)	10.23 (8.95-11.95)	-0.09 (-0.14--0.03)

Bermuda	5 (4-6)	9.12 (7.96-10.9)	4 (4-5)	6.74 (5.83-8.08)	-0.26 (-0.3--0.21)
Cuba	886 (760-1058)	8.56 (7.39-10.16)	848 (716-1020)	7.8 (6.78-9.18)	-0.09 (-0.15--0.03)
Dominica	8 (7-9)	10.3 (8.94-12.18)	5 (4-6)	7.65 (6.66-8.96)	-0.26 (-0.29--0.22)
Dominican Republic	811 (711-940)	10.83 (9.54-12.46)	1119 (978-1313)	10.39 (9.11-12.16)	-0.04 (-0.09-0.01)
Grenada	11 (9-13)	11.74 (10.16-14)	10 (8-11)	9.87 (8.54-11.66)	-0.16 (-0.21--0.11)
Guyana	112 (96-132)	13.61 (11.89-15.94)	92 (81-110)	12.22 (10.69-14.43)	-0.1 (-0.15--0.05)
Haiti	1144 (967-1368)	15.21 (13.13-18.02)	1683 (1451-2003)	12.97 (11.29-15.42)	-0.15 (-0.19--0.11)
Jamaica	213 (184-253)	8.79 (7.65-10.4)	209 (181-250)	8.04 (7.02-9.44)	-0.09 (-0.14--0.03)
Puerto Rico	399 (350-468)	11.28 (9.89-13.2)	290 (243-345)	8.62 (7.48-10.17)	-0.24 (-0.28--0.18)
Saint Kitts and Nevis	5 (4-6)	12.25 (10.74-14.31)	5 (4-6)	9.32 (8.17-10.98)	-0.24 (-0.28--0.19)
Saint Lucia	17 (15-20)	11.63 (10.13-13.84)	15 (13-18)	9.4 (8.11-11.1)	-0.19 (-0.24--0.15)
Saint Vincent and the Grenadines	12 (10-15)	10.72 (9.34-12.53)	10 (8-11)	9.15 (7.99-10.65)	-0.15 (-0.19--0.1)
Suriname	42 (36-50)	10.7 (9.21-12.67)	53 (46-62)	9.5 (8.32-11.15)	-0.11 (-0.15--0.06)
Trinidad and Tobago	121 (105-144)	10.04 (8.76-11.79)	102 (87-121)	7.77 (6.74-9.12)	-0.23 (-0.27--0.18)
United States Virgin Islands	11 (9-13)	10.08 (8.71-12.14)	9 (8-11)	9.02 (7.83-10.66)	-0.11 (-0.15--0.06)
Tropical Latin America	19663 (16841-23541)	12.72 (10.97-15.02)	25958 (22135-30807)	12.11 (10.47-14.29)	-0.05 (-0.07--0.02)
Brazil	19205 (16455-22984)	12.78 (11-15.1)	25264 (21521-30020)	12.17 (10.5-14.39)	-0.05 (-0.07--0.02)
Paraguay	458 (389-546)	10.65 (9.24-12.68)	694 (600-829)	10.29 (8.93-12.2)	-0.03 (-0.09-0.02)
East Asia	107026 (92585-123973)	8.94 (7.75-10.35)	57411 (49820-66571)	5.48 (4.68-6.39)	-0.39 (-0.41--0.37)
China	102879 (88738-119528)	8.92 (7.71-10.33)	55168 (47857-64059)	5.44 (4.63-6.36)	-0.39 (-0.41--0.37)
Democratic People's Republic of Korea	2065 (1742-2420)	8 (6.86-9.28)	1219 (1067-1385)	6.32 (5.45-7.28)	-0.21 (-0.26--0.15)
Taiwan (Province of China)	2083 (1901-2271)	11.98 (10.86-13.05)	1024 (899-1164)	7.45 (6.41-8.55)	-0.38 (-0.44--0.31)
Southeast Asia	49536 (43075-57356)	9.33 (8.26-10.7)	45373 (40234-52327)	7.36 (6.55-8.43)	-0.21 (-0.23--0.19)
Cambodia	4362 (3673-5134)	26.06 (22.66-30.03)	3820 (3274-4393)	21.94 (18.88-25.17)	-0.16 (-0.22--0.09)
Indonesia	17713 (15241-21204)	8.78 (7.66-10.36)	16922 (14758-19950)	7.17 (6.31-8.37)	-0.18 (-0.21--0.16)
Lao People's Democratic Republic	848 (713-1003)	14.28 (12.31-16.55)	885 (763-1027)	11.61 (10.1-13.38)	-0.19 (-0.23--0.14)
Malaysia	2017 (1704-2382)	9.6 (8.23-11.16)	2395 (2094-2786)	8.5 (7.37-9.85)	-0.11 (-0.17--0.05)
Maldives	26 (22-31)	8.3 (7.2-9.67)	26 (22-30)	5.89 (5.11-6.84)	-0.29 (-0.35--0.24)
Mauritius	80 (69-92)	7.36 (6.43-8.46)	58 (51-68)	5.71 (5.01-6.5)	-0.22 (-0.28--0.17)
Myanmar	5118 (4378-5974)	10.14 (8.87-11.6)	4530 (4011-5248)	8.61 (7.62-9.91)	-0.15 (-0.21--0.09)
Philippines	4233 (3605-5097)	5.9 (5.1-6.91)	6260 (5429-7394)	5.47 (4.77-6.4)	-0.07 (-0.09--0.05)

Sri Lanka	815 (715-949)	4.7 (4.13-5.41)	751 (663-866)	3.71 (3.3-4.26)	-0.21 (-0.25--0.17)
Seychelles	6 (5-7)	7.71 (6.72-8.94)	6 (5-7)	6.79 (6-7.8)	-0.12 (-0.17--0.06)
Thailand	4217 (3690-4937)	7.56 (6.65-8.77)	3250 (2854-3772)	5.53 (4.93-6.25)	-0.27 (-0.31--0.22)
Timor-Leste	105 (88-125)	9.59 (8.4-11.22)	115 (99-134)	7.49 (6.53-8.69)	-0.22 (-0.26--0.17)
Viet Nam	9929 (8411-11719)	12.06 (10.47-14.02)	6296 (5568-7295)	7.53 (6.69-8.59)	-0.38 (-0.42--0.33)
Oceania	448 (381-524)	5.44 (4.78-6.22)	734 (625-862)	4.73 (4.13-5.48)	-0.13 (-0.18--0.08)
American Samoa	1 (1-1)	2.31 (2.07-2.56)	1 (1-1)	1.9 (1.68-2.17)	-0.18 (-0.23--0.12)
Cook Islands	1 (1-1)	3.08 (2.72-3.52)	1 (0-1)	2.84 (2.51-3.27)	-0.08 (-0.12--0.03)
Micronesia (Federated States of)	8 (7-10)	5.96 (5.24-6.86)	5 (4-6)	5.17 (4.53-5.93)	-0.13 (-0.18--0.09)
Fiji	33 (28-40)	4.09 (3.54-4.76)	34 (30-40)	3.94 (3.42-4.56)	-0.03 (-0.1-0.04)
Guam	4 (3-4)	2.76 (2.44-3.16)	4 (4-5)	2.45 (2.18-2.8)	-0.11 (-0.16--0.07)
Kiribati	6 (5-7)	6.73 (5.88-7.74)	9 (7-10)	6.6 (5.78-7.63)	-0.02 (-0.08-0.04)
Nauru	0 (0-1)	3.82 (3.38-4.38)	0 (0-0)	3.63 (3.23-4.16)	-0.05 (-0.09--0.01)
Niue	0 (0-0)	3.43 (3.03-3.94)	0 (0-0)	3.18 (2.82-3.63)	-0.07 (-0.11--0.03)
Marshall Islands	2 (2-3)	4.29 (3.79-4.92)	2 (2-2)	3.8 (3.38-4.34)	-0.11 (-0.15--0.08)
Northern Mariana Islands	2 (1-2)	3.74 (3.33-4.27)	1 (1-1)	3.04 (2.69-3.44)	-0.19 (-0.23--0.15)
Palau	0 (0-1)	3.15 (2.78-3.63)	0 (0-1)	3.02 (2.66-3.46)	-0.04 (-0.08-0.01)
Papua New Guinea	341 (288-400)	6.25 (5.46-7.18)	603 (510-712)	5.01 (4.35-5.85)	-0.2 (-0.25--0.14)
Samoa	3 (3-4)	2.11 (1.88-2.42)	4 (3-5)	1.97 (1.75-2.25)	-0.07 (-0.11--0.03)
Solomon Islands	8 (7-9)	2.17 (1.94-2.46)	18 (16-21)	2.58 (2.31-2.91)	0.19 (0.12-0.26)
Tokelau	0 (0-0)	3.66 (3.22-4.21)	0 (0-0)	3.04 (2.68-3.44)	-0.17 (-0.21--0.13)
Tonga	5 (4-6)	4.68 (4.17-5.3)	5 (4-5)	4.39 (3.94-4.93)	-0.06 (-0.1--0.02)
Tuvalu	0 (0-0)	3.88 (3.44-4.47)	0 (0-0)	3.36 (2.98-3.83)	-0.13 (-0.17--0.1)
Vanuatu	8 (6-9)	4.19 (3.67-4.79)	12 (10-13)	3.77 (3.34-4.29)	-0.1 (-0.14--0.06)
North Africa and Middle East	56963 (50308-66272)	18.66 (16.38-21.48)	89878 (79193-103657)	16.19 (14.26-18.49)	-0.13 (-0.16--0.1)
Afghanistan	2190 (1908-2603)	19.78 (17.09-23.16)	5593 (4830-6654)	16.83 (14.53-19.75)	-0.15 (-0.2--0.11)
Algeria	2911 (2514-3482)	13.53 (11.61-15.74)	4589 (3937-5431)	11.78 (10.11-13.81)	-0.13 (-0.18--0.08)
Bahrain	56 (48-66)	14.28 (12.35-16.71)	154 (129-189)	12.34 (10.67-14.57)	-0.14 (-0.19--0.07)
Egypt	23161 (20353-26652)	45.76 (40.42-51.97)	36616 (32227-41779)	42.54 (37.55-48.36)	-0.07 (-0.13-0)
Iran (Islamic Republic of)	4350 (3737-5179)	9.22 (7.84-10.9)	6960 (5904-8308)	8.75 (7.44-10.32)	-0.05 (-0.08--0.03)
Iraq	1787 (1543-2129)	11.72 (10.09-13.78)	3367 (2903-4008)	9.6 (8.27-11.22)	-0.18 (-0.24--0.12)

Jordan	314 (271-369)	10.58 (9.1-12.5)	816 (706-957)	8.53 (7.35-9.88)	-0.19 (-0.25--0.14)
Kuwait	131 (113-156)	9.16 (7.89-10.57)	333 (277-394)	8.62 (7.38-10.16)	-0.06 (-0.13-0.02)
Lebanon	256 (222-301)	8.69 (7.4-10.21)	390 (333-461)	7.49 (6.43-8.81)	-0.14 (-0.18--0.09)
Libya	935 (802-1109)	22.46 (19.46-26.01)	1210 (1034-1457)	20.81 (18.12-24.38)	-0.07 (-0.13--0.01)
Morocco	3832 (3307-4536)	16.9 (14.6-19.83)	5064 (4356-6014)	15.09 (12.99-17.77)	-0.11 (-0.15--0.06)
Palestine	291 (251-346)	15.89 (13.62-18.68)	531 (464-621)	13.22 (11.47-15.17)	-0.17 (-0.25--0.08)
Oman	241 (206-285)	14.81 (12.65-17.6)	434 (368-515)	12.39 (10.67-14.54)	-0.16 (-0.21--0.11)
Qatar	49 (41-59)	14.96 (12.9-17.45)	265 (221-326)	12.92 (11.28-14.91)	-0.14 (-0.19--0.08)
Saudi Arabia	4278 (3695-5026)	29.56 (25.65-34.42)	6687 (5688-8090)	23.41 (20.44-26.8)	-0.21 (-0.27--0.13)
Sudan	3221 (2778-3794)	17.31 (14.88-20.31)	4715 (4041-5591)	13.75 (11.71-16.09)	-0.21 (-0.24--0.17)
Syrian Arab Republic	2530 (2165-2999)	20.73 (17.96-24.26)	2499 (2136-2986)	18.85 (16.29-22.17)	-0.09 (-0.15--0.03)
Tunisia	569 (505-654)	8.31 (7.27-9.59)	1001 (854-1179)	8.52 (7.33-9.93)	0.02 (-0.03-0.09)
Turkey	4418 (3807-5240)	8.68 (7.38-10.22)	5433 (4664-6395)	6.63 (5.73-7.73)	-0.24 (-0.29--0.18)
United Arab Emirates	169 (141-205)	11.91 (10.16-14.09)	828 (660-1059)	10.95 (9.43-13.02)	-0.08 (-0.13--0.02)
Yemen	1238 (1079-1446)	11.88 (10.23-13.81)	2305 (2013-2669)	9.48 (8.18-11.09)	-0.2 (-0.27--0.13)
South Asia	76682 (66318-90781)	6.95 (6.05-8.11)	100510 (88014-117822)	6.04 (5.29-7.05)	-0.13 (-0.15--0.11)
Bangladesh	6163 (5362-7121)	5.9 (5.16-6.82)	5750 (5067-6719)	3.98 (3.5-4.63)	-0.33 (-0.36--0.29)
Bhutan	36 (32-40)	6.07 (5.37-6.88)	39 (34-46)	5.78 (5.03-6.65)	-0.05 (-0.1-0.02)
India	51754 (44637-61336)	6.17 (5.33-7.27)	68077 (59091-80098)	5.35 (4.64-6.26)	-0.13 (-0.15--0.11)
Nepal	879 (766-1022)	4.66 (4.05-5.42)	1099 (959-1283)	4.02 (3.49-4.66)	-0.14 (-0.18--0.08)
Pakistan	17851 (15257-21230)	13.82 (12.01-16.13)	25544 (22108-30012)	11.41 (9.98-13.25)	-0.17 (-0.2--0.15)
Southern Sub-Saharan Africa	5496 (4775-6551)	10.95 (9.5-12.81)	7841 (6799-9253)	10.52 (9.13-12.32)	-0.04 (-0.06--0.02)
Botswana	151 (128-183)	11.78 (10.21-13.77)	236 (203-282)	10.78 (9.37-12.79)	-0.09 (-0.13--0.03)
Lesotho	218 (187-259)	12.14 (10.5-14.18)	254 (220-299)	12.9 (11.18-15.14)	0.06 (0-0.13)
Namibia	154 (132-184)	11.04 (9.59-12.89)	231 (198-278)	10.14 (8.71-12.21)	-0.08 (-0.13--0.04)
South Africa	3689 (3187-4398)	10.56 (9.06-12.5)	5191 (4450-6164)	9.82 (8.47-11.62)	-0.07 (-0.1--0.05)
Eswatini	93 (79-113)	11.61 (10.05-13.67)	128 (111-150)	12.07 (10.55-14.03)	0.04 (-0.02-0.1)
Zimbabwe	1190 (1023-1427)	12.11 (10.59-14.19)	1801 (1557-2138)	12.82 (11.14-15.14)	0.06 (0.01-0.11)
Western Sub-Saharan Africa	52502 (45192-61877)	22.73 (19.9-26.43)	88797 (75816-105838)	17.74 (15.47-20.76)	-0.22 (-0.23--0.2)
Benin	1483 (1239-1806)	23.78 (20.53-28.06)	2888 (2440-3461)	19.56 (16.96-23.12)	-0.18 (-0.22--0.14)
Burkina Faso	2709 (2271-3269)	22.75 (19.68-26.68)	5162 (4326-6218)	19.37 (16.84-22.93)	-0.15 (-0.18--0.11)

Cameroon	3265 (2821-3697)	25.06 (22.08-28.05)	5160 (4351-6200)	16.53 (14.24-19.66)	-0.34 (-0.39--0.28)
Cabo Verde	64 (54-77)	16.2 (14.02-19.4)	77 (67-92)	14.25 (12.33-16.86)	-0.12 (-0.17--0.07)
Chad	1577 (1335-1873)	21.2 (18.61-24.47)	4555 (3801-5518)	21.82 (18.87-25.78)	0.03 (-0.03-0.09)
Cote d'Ivoire	2719 (2288-3269)	19.14 (16.53-22.63)	4360 (3719-5208)	15.71 (13.75-18.56)	-0.18 (-0.22--0.14)
Gambia	179 (152-216)	16.54 (14.32-19.43)	348 (295-422)	15.5 (13.35-18.56)	-0.06 (-0.11--0.01)
Ghana	4768 (4157-5557)	25.8 (22.71-30.08)	6311 (5411-7621)	19.26 (16.66-22.92)	-0.25 (-0.3--0.2)
Guinea	1667 (1415-2011)	22.59 (19.75-26.77)	2748 (2342-3292)	19.8 (17.19-23.43)	-0.12 (-0.17--0.08)
Guinea-Bissau	205 (174-245)	17.92 (15.59-21.15)	279 (238-335)	14.27 (12.32-16.83)	-0.2 (-0.25--0.15)
Liberia	445 (379-530)	19.77 (17.11-23.17)	799 (681-966)	16.3 (14.1-19.35)	-0.18 (-0.22--0.14)
Mali	2579 (2174-3097)	24.07 (20.88-27.95)	4907 (4160-5826)	19.57 (17-23.05)	-0.19 (-0.24--0.14)
Mauritania	438 (371-523)	18.6 (16.19-22.09)	580 (497-697)	14.22 (12.33-16.8)	-0.24 (-0.27--0.2)
Niger	2199 (1831-2642)	21.34 (18.44-25.3)	5404 (4522-6580)	18.58 (16.09-21.87)	-0.13 (-0.16--0.09)
Nigeria	25646 (21946-30771)	24.06 (20.9-28.43)	40824 (34749-49502)	17.65 (15.3-20.86)	-0.27 (-0.29--0.24)
Sao Tome and Principe	26 (22-31)	18.6 (16.08-21.98)	30 (26-36)	14.94 (12.89-17.65)	-0.2 (-0.23--0.16)
Senegal	915 (816-1038)	11.13 (9.9-12.57)	1656 (1421-1948)	10.91 (9.47-12.82)	-0.02 (-0.09-0.06)
Sierra Leone	821 (697-977)	19.38 (16.74-22.98)	1413 (1197-1697)	16.07 (13.81-19.16)	-0.17 (-0.21--0.13)
Togo	798 (672-955)	18.75 (16.27-22.01)	1296 (1109-1555)	15.66 (13.61-18.82)	-0.17 (-0.2--0.13)
Eastern Sub-Saharan Africa	28491 (24528-33810)	14.75 (12.91-17.27)	49511 (43045-58949)	12.71 (11.11-14.87)	-0.14 (-0.16--0.12)
Burundi	1861 (1566-2157)	26.58 (23-30.08)	2447 (2072-2920)	19.01 (16.34-22.45)	-0.28 (-0.35--0.21)
Comoros	61 (52-73)	13.16 (11.38-15.53)	79 (69-93)	11.73 (10.23-13.78)	-0.11 (-0.16--0.06)
Djibouti	62 (53-74)	12.97 (11.21-15.28)	126 (109-149)	11.17 (9.69-13.12)	-0.14 (-0.17--0.1)
Eritrea	446 (379-540)	14.53 (12.59-17.06)	849 (737-993)	13.68 (11.98-16.03)	-0.06 (-0.11-0)
Ethiopia	8508 (7291-10275)	17.01 (14.7-20.09)	13669 (11797-16444)	13.9 (12.04-16.44)	-0.18 (-0.21--0.16)
Kenya	2426 (2057-2957)	10.77 (9.27-12.74)	4383 (3791-5255)	9.62 (8.29-11.42)	-0.11 (-0.13--0.08)
Madagascar	990 (861-1153)	8.78 (7.68-10.2)	2238 (1931-2654)	9.31 (8.11-10.83)	0.06 (0.01-0.13)
Malawi	1554 (1331-1835)	15.88 (13.84-18.58)	2244 (1947-2644)	13.25 (11.53-15.39)	-0.17 (-0.21--0.12)
Mozambique	1620 (1388-1943)	12.07 (10.4-14.16)	3488 (3015-4176)	11.95 (10.37-14.18)	-0.01 (-0.05-0.03)
Rwanda	1304 (1120-1543)	17.91 (15.78-20.82)	1592 (1394-1859)	13.68 (11.98-16.01)	-0.24 (-0.28--0.19)
Somalia	1229 (1044-1484)	16.4 (14.26-19.21)	3273 (2786-3893)	15.73 (13.62-18.43)	-0.04 (-0.08-0)
South Sudan	764 (660-919)	13.28 (11.51-15.59)	1044 (902-1257)	11.79 (10.17-13.91)	-0.11 (-0.16--0.07)
United Republic of Tanzania	3224 (2740-3818)	12.44 (10.76-14.61)	6489 (5546-7767)	11.81 (10.23-14.05)	-0.05 (-0.1-0)

Uganda	3206 (2698-3835)	16.86 (14.63-19.71)	5343 (4555-6364)	13.42 (11.69-15.9)	-0.2 (-0.25--0.16)
Zambia	1216 (1035-1452)	15.33 (13.45-17.92)	2206 (1903-2614)	13.15 (11.46-15.33)	-0.14 (-0.19--0.09)
Central Sub-Saharan Africa	17056 (14698-20112)	27.76 (24.06-32.73)	31099 (26807-37145)	23.26 (20.19-27.5)	-0.16 (-0.19--0.13)
Angola	3393 (2904-4021)	29.66 (25.61-35.01)	7232 (6258-8697)	23.53 (20.46-28.02)	-0.21 (-0.25--0.16)
Central African Republic	710 (609-844)	24.18 (21.02-28.45)	1269 (1089-1512)	23.21 (20.03-27.57)	-0.04 (-0.09-0.01)
Congo	676 (582-800)	26.14 (22.77-30.83)	1082 (940-1299)	20.85 (18.13-24.82)	-0.2 (-0.24--0.16)
Democratic Republic of the Congo	11790 (10097-14026)	27.48 (23.73-32.69)	20886 (17879-24908)	23.41 (20.26-27.68)	-0.15 (-0.19--0.1)
Equatorial Guinea	145 (124-175)	28.9 (25.08-34.1)	232 (199-279)	17.76 (15.43-21.11)	-0.39 (-0.42--0.35)
Gabon	342 (294-405)	31.57 (27.22-37.52)	398 (343-472)	23.26 (20.09-27.66)	-0.26 (-0.3--0.22)

Table S2: Incidence cases of acute hepatitis C in 1990 and 2019 for both sexes and percentage change of age-standardised rates(ASR) by location						
	1990		2019		Percentage change in ASR from 1990 and 2019	
	Counts (95% UI)	ASR Rate (95% UI)	Counts (95% UI)	ASR Rate (95% UI)		
Global	4580053 (4041175-5277429)	82.53 (73.05-95.11)	5514735 (4859438-6387264)	73.93 (65.33-85.6)	-0.1 (-0.12--0.09)	
High-income North America	126613 (109285-148937)	45.16 (39.22-53.13)	188309 (161767-220557)	49.94 (43.46-58.38)	0.11 (0.08-0.14)	
Canada	28293 (24450-32042)	217.22 (191.38-243.09)	44722 (37707-53736)	143.3 (123.37-170.35)	-0.34 (-0.39--0.28)	
Greenland	26 (22-30)	47.07 (40.87-54.55)	25 (22-29)	46.6 (40.84-53.62)	-0.01 (-0.06-0.05)	
United States of America	116077 (99863-136870)	45.85 (39.76-54.12)	173043 (148390-203718)	51.19 (44.39-59.99)	0.12 (0.09-0.15)	
Australasia	12814 (11149-15065)	65.56 (57.48-77.05)	19716 (17002-23041)	65.16 (56.93-75.64)	-0.01 (-0.08-0.07)	
Australia	11476 (9971-13491)	71.14 (62.3-83.63)	17867 (15319-21013)	70.79 (61.79-82.51)	0 (-0.08-0.08)	
New Zealand	1339 (1136-1594)	38.87 (33.12-46.05)	1849 (1543-2207)	35.27 (30.18-41.54)	-0.09 (-0.12--0.06)	
High-income Asia Pacific	88324 (74230-104434)	46.77 (39.92-54.53)	110812 (91562-135588)	34.26 (29.33-40.27)	-0.27 (-0.3--0.23)	
Brunei Darussalam	68 (59-80)	37.28 (31.99-43.3)	126 (108-149)	34.13 (29.58-39.52)	-0.08 (-0.15--0.02)	
Japan	70050 (57542-84606)	46.37 (38.72-55.26)	86142 (70267-106700)	35.37 (29.95-41.65)	-0.24 (-0.27--0.2)	
Singapore	869 (739-1031)	33.89 (29.11-39.76)	2178 (1816-2588)	32.83 (28.05-38.95)	-0.03 (-0.08-0.03)	
Republic of Korea	17337 (15479-19405)	45.85 (40.76-51.76)	22366 (18573-26834)	31.42 (27.12-36.72)	-0.31 (-0.36--0.25)	

Western Europe	187226 (161525-218214)	44.42 (39-51.35)	224081 (191322-261304)	40.91 (35.83-47.24)	-0.08 (-0.1--0.05)
Andorra	22 (19-26)	41.12 (35.45-48.28)	42 (35-51)	41.61 (36.13-48.91)	0.01 (-0.04-0.07)
Austria	3481 (2995-4077)	41.49 (36.15-48.66)	4237 (3570-5049)	38.52 (33.46-45.2)	-0.07 (-0.14-0)
Belgium	3470 (3118-3874)	31.23 (28.56-34.36)	5470 (4647-6496)	38.47 (33.81-44.42)	0.23 (0.11-0.37)
Cyprus	278 (236-333)	36.09 (31.05-43.08)	477 (402-568)	31.81 (27.27-37.33)	-0.12 (-0.18--0.05)
Denmark	1921 (1629-2283)	34.67 (29.96-41.06)	2423 (2062-2898)	34.49 (29.98-40.81)	-0.01 (-0.08-0.07)
Finland	1874 (1598-2188)	34.83 (30.19-40.32)	2687 (2277-3181)	38.54 (33.77-45.13)	0.11 (0.04-0.18)
France	24134 (20739-28377)	38.15 (33.18-44.42)	31094 (26594-36709)	36.85 (32.23-42.39)	-0.03 (-0.11-0.04)
Germany	29798 (25071-35093)	33.18 (28.64-38.61)	36448 (30753-44037)	32.67 (28.63-38.41)	-0.02 (-0.09-0.06)
Greece	3277 (2801-3850)	28.31 (24.47-32.86)	3421 (2799-4129)	24.06 (20.65-28.12)	-0.15 (-0.2--0.1)
Iceland	75 (63-89)	29 (24.75-34.42)	113 (96-133)	28.72 (24.82-33.66)	-0.01 (-0.06-0.05)
Ireland	1150 (981-1387)	31.8 (27.21-38.07)	1929 (1635-2241)	34.92 (30.25-40.65)	0.1 (0.03-0.19)
Israel	1735 (1504-2025)	35.58 (30.89-41.29)	3642 (3145-4318)	36.58 (31.62-43.33)	0.03 (-0.05-0.11)
Italy	54847 (46539-65378)	87.39 (75.58-103.15)	51197 (42280-62456)	67.72 (57.95-80.41)	-0.23 (-0.26--0.2)
Luxembourg	162 (138-192)	39.03 (33.68-45.96)	268 (227-316)	37.61 (32.69-43.63)	-0.04 (-0.09-0.03)
Malta	129 (110-152)	34.23 (29.4-40.24)	179 (149-217)	32.68 (28.23-38.46)	-0.05 (-0.11-0.03)
Monaco	14 (11-17)	35.17 (30.33-41.44)	22 (18-27)	42.35 (36.81-49.55)	0.2 (0.14-0.28)
Netherlands	3417 (2898-4061)	20.87 (17.87-24.59)	4852 (4109-5800)	21.31 (18.5-24.93)	0.02 (-0.06-0.09)
Norway	1786 (1501-2154)	38.83 (33.12-46.26)	2400 (1989-2879)	38.66 (32.91-46.27)	0 (-0.03-0.03)
San Marino	10 (8-11)	37.17 (32-43.86)	15 (13-18)	37 (31.94-43.59)	0 (-0.05-0.05)
Portugal	4773 (4111-5568)	45.08 (39.24-52.19)	5120 (4345-6114)	37.87 (33.31-43.55)	-0.16 (-0.22--0.08)
Spain	20988 (18565-24043)	49.9 (44.67-56.9)	24863 (21064-29144)	41.29 (36-47.4)	-0.17 (-0.23--0.1)
Sweden	3327 (2744-4020)	33.53 (28.44-39.87)	4178 (3432-5093)	32.64 (27.68-38.72)	-0.03 (-0.06-0.01)
Switzerland	2447 (2067-2901)	32.23 (27.85-37.47)	3941 (3327-4674)	36.14 (31.35-42.19)	0.12 (0.05-0.2)

United Kingdom		38.77 (33.43-45.85)		44.49 (38.4-52.36)	
Southern Latin America		32.89 (29.2-37.28)		32.36 (28.63-36.82)	-0.02 (-0.06-0.04)
Argentina		29.77 (26.19-34.06)		31.13 (27.34-35.65)	0.05 (-0.01-0.12)
Chile		183.73 (161.29-212.04)		189.11 (163.5-223.43)	0.03 (-0.03-0.09)
Uruguay		28.15 (24.54-32.94)		26.43 (23.21-30.64)	-0.06 (-0.12-0.01)
Eastern Europe		70.39 (60.9-83.66)		84.16 (73.19-98.86)	0.2 (0.16-0.24)
Belarus		73.45 (63.65-85.91)		78.64 (68.5-91.83)	0.07 (0-0.15)
Estonia		70.48 (61.14-81.85)		72.67 (63.59-85.18)	0.03 (-0.03-0.1)
Latvia		66.6 (57.73-78.53)		65.58 (57.22-76.47)	-0.02 (-0.07-0.06)
Lithuania		81.3 (70.68-95.56)		83.42 (72.69-97.1)	0.03 (-0.04-0.1)
Republic of Moldova		111.46 (96.6-130.94)		99.32 (86.27-114.78)	-0.11 (-0.16--0.05)
Russian Federation		66.61 (57.38-79.38)		81.15 (70.22-95.66)	0.22 (0.18-0.26)
Ukraine		76.36 (65.8-90.95)		97.07 (83.26-114.24)	0.27 (0.2-0.35)
Central Europe		148.08 (129.87-170.61)		155.78 (137.56-177.6)	0.05 (0.01-0.1)
Albania		50.98 (45.06-58.5)		41.35 (36.29-48.02)	-0.19 (-0.23--0.15)
Bosnia and Herzegovina		50.42 (43.91-57.93)		47.25 (41.5-55.88)	-0.06 (-0.12-0)
Bulgaria		42.71 (37.34-49.36)		42.17 (37.2-48.51)	-0.01 (-0.07-0.05)
Croatia		40.06 (35.18-46.23)		35.34 (31.07-40.53)	-0.12 (-0.17--0.06)
Czechia		34.57 (30.24-40.42)		31.63 (27.75-36.4)	-0.09 (-0.14--0.03)
Hungary		66.38 (58.86-75.28)		44.71 (39.32-52.3)	-0.33 (-0.38--0.27)
North Macedonia		43.29 (37.81-49.93)		41.54 (35.91-48.73)	-0.04 (-0.09-0.02)
Montenegro		36.26 (31.65-42.71)		37.05 (32.05-43.26)	0.02 (-0.04-0.08)
Poland		48.81 (42.17-57.65)		42.55 (36.7-50.06)	-0.13 (-0.15--0.1)
Romania		69.49 (60.54-79.92)		61.39 (53.8-70.17)	-0.12 (-0.18--0.05)

Serbia	3882 (3381-4559)	44.27 (38.85-51.02)	3609 (3057-4240)	43.04 (37.57-50.26)	-0.03 (-0.09-0.04)
Slovakia	2432 (2112-2796)	49.1 (42.79-56.17)	2113 (1813-2475)	42.37 (37.12-49.04)	-0.14 (-0.18--0.08)
Slovenia	915 (790-1072)	51.94 (45.57-59.67)	921 (781-1086)	45.51 (39.74-52.71)	-0.12 (-0.18--0.06)
Central Asia	6149 (5282-7311)	209.54 (182.15-246.57)	11002 (9439-13104)	201.17 (173.58-238.94)	-0.04 (-0.09-0.01)
Armenia	4288 (3712-5038)	121.06 (105.31-141.42)	3569 (3114-4123)	131.85 (115.53-151.69)	0.09 (0.01-0.18)
Azerbaijan	10827 (9323-12722)	136.07 (118.1-159.1)	12403 (10799-14778)	136.4 (118.51-161.22)	0 (-0.05-0.06)
Georgia	6665 (5809-7822)	130.61 (113.38-152.86)	4061 (3503-4712)	126.08 (109.55-145.6)	-0.03 (-0.09-0.04)
Kazakhstan	16944 (14621-19423)	100.18 (86.71-115.72)	19566 (17117-22762)	107.58 (93.94-124.55)	0.07 (0-0.16)
Kyrgyzstan	7974 (6861-9237)	149.86 (130.11-173.84)	10490 (9159-12362)	150.9 (132.96-175.34)	0.01 (-0.06-0.08)
Mongolia	10242 (8700-12190)	345.94 (301.69-403.03)	12628 (10672-15198)	357.91 (308.18-425.17)	0.03 (-0.06-0.13)
Tajikistan	11857 (10067-14057)	160.3 (139.76-186.99)	16877 (14636-19702)	160.28 (140.57-185.98)	0 (-0.07-0.08)
Turkmenistan	7988 (6887-9374)	165.67 (145.1-191.42)	8209 (7157-9374)	156.95 (137.59-178.64)	-0.05 (-0.12-0.02)
Uzbekistan	43237 (36441-50424)	159.75 (139.88-185.43)	57695 (50333-66603)	167.1 (146.23-192.15)	0.05 (-0.03-0.13)
Central Latin America	59119 (51998-68629)	51.83 (45.64-59.55)	47253 (40641-55045)	44.66 (39.45-51.31)	-0.14 (-0.16--0.11)
Colombia	891619 (769065-1035910)	77.28 (66.78-89.5)	478123 (414759-555180)	47.11 (40.16-55.11)	-0.39 (-0.41--0.37)
Costa Rica	5 (4-6)	26.68 (23.59-30.51)	4 (4-5)	24.6 (21.74-28.32)	-0.08 (-0.12--0.03)
El Salvador	6833 (5894-7981)	117.22 (102.35-135.28)	6492 (5708-7631)	104.97 (92.41-122.08)	-0.1 (-0.15--0.06)
Guatemala	16109 (13887-18932)	167.38 (146.95-194.58)	25053 (21856-29005)	135.65 (119.42-155.73)	-0.19 (-0.24--0.12)
Honduras	8570 (7246-10354)	153.58 (134.08-181.25)	14343 (12454-16824)	140.85 (123.64-164.3)	-0.08 (-0.13--0.04)
Mexico	83335 (69547-102980)	95.55 (80.77-114.64)	102683 (86981-123268)	83.45 (71.28-100.17)	-0.13 (-0.15--0.1)
Nicaragua	8698 (7785-9664)	177.54 (159.27-195.94)	8695 (7610-10180)	131.7 (115.67-152.47)	-0.26 (-0.32--0.18)
Panama	2043 (1766-2432)	83.54 (72.75-97.16)	3045 (2643-3556)	73.91 (64.34-86.51)	-0.12 (-0.18--0.06)
Venezuela (Bolivarian Republic of)	19125 (16402-22961)	96.42 (83.7-113.04)	22539 (19495-26892)	82.91 (72.25-98.51)	-0.14 (-0.2--0.08)

Andean Latin America	21455 (18465-25298)	55.14 (48.2-64.55)	31756 (27558-37312)	50.87 (44.13-59.46)	-0.08 (-0.11--0.05)
Bolivia (Plurinational State of)	4262 (3639-5073)	62.98 (54.36-73.49)	6947 (6011-8302)	57.51 (49.63-68.09)	-0.09 (-0.13--0.05)
Ecuador	5243 (4541-6260)	51.8 (44.88-60.7)	8631 (7512-10019)	50.6 (43.98-58.79)	-0.02 (-0.07--0.03)
Peru	11949 (10297-14172)	54.33 (47.41-63.59)	16177 (13966-19116)	48.6 (42.08-57.18)	-0.11 (-0.15--0.06)
Caribbean	10507 (9183-12056)	38.7 (33.92-44.22)	15237 (12916-17614)	38.38 (33.51-43.76)	-0.01 (-0.08--0.06)
Antigua and Barbuda	54 (47-64)	89.09 (77.63-104.76)	59 (50-71)	71.95 (62.52-84.95)	-0.19 (-0.24--0.14)
Bahamas	211 (181-252)	84.53 (73.38-100.36)	252 (216-304)	72.32 (63.13-86.32)	-0.14 (-0.19--0.1)
Barbados	187 (161-221)	76.48 (66.31-89.8)	191 (163-227)	67.48 (58.68-79.42)	-0.12 (-0.16--0.07)
Belize	198 (168-237)	96.97 (84.55-115.04)	353 (306-418)	88.68 (77.59-103.58)	-0.09 (-0.14--0.03)
Bermuda	44 (38-54)	79.05 (68.99-94.5)	37 (31-45)	58.43 (50.49-70.02)	-0.26 (-0.3--0.21)
Cuba	7677 (6590-9169)	74.2 (64.06-88.09)	7345 (6207-8836)	67.56 (58.77-79.57)	-0.09 (-0.15--0.03)
Dominica	68 (58-80)	89.26 (77.46-105.54)	44 (38-52)	66.29 (57.71-77.64)	-0.26 (-0.29--0.22)
Dominican Republic	7029 (6161-8146)	93.83 (82.65-108.01)	9695 (8477-11376)	90.08 (78.94-105.35)	-0.04 (-0.09--0.01)
Grenada	92 (79-109)	101.79 (88.02-121.37)	82 (71-98)	85.54 (74.03-101.05)	-0.16 (-0.21--0.11)
Guyana	967 (833-1141)	117.94 (103.08-138.11)	798 (698-952)	105.89 (92.63-125.09)	-0.1 (-0.15--0.05)
Haiti	9917 (8385-11858)	131.79 (113.83-156.17)	14586 (12578-17358)	112.4 (97.84-133.68)	-0.15 (-0.19--0.11)
Jamaica	1850 (1597-2189)	76.15 (66.28-90.1)	1813 (1565-2168)	69.65 (60.83-81.82)	-0.09 (-0.14--0.03)
Puerto Rico	3460 (3037-4058)	97.76 (85.74-114.44)	2509 (2105-2994)	74.68 (64.86-88.17)	-0.24 (-0.28--0.18)
Saint Kitts and Nevis	44 (39-53)	106.2 (93.08-123.98)	45 (38-53)	80.77 (70.8-95.19)	-0.24 (-0.28--0.19)
Saint Lucia	146 (126-174)	100.79 (87.77-119.98)	130 (110-155)	81.43 (70.32-96.16)	-0.19 (-0.24--0.15)
Saint Vincent and the Grenadines	106 (91-126)	92.93 (80.95-108.59)	85 (73-100)	79.3 (69.27-92.33)	-0.15 (-0.19--0.1)
Suriname	364 (312-434)	92.75 (79.86-109.77)	458 (399-540)	82.34 (72.07-96.64)	-0.11 (-0.15--0.06)
Trinidad and Tobago	1050 (911-1245)	86.97 (75.92-102.15)	881 (754-1053)	67.33 (58.41-79)	-0.23 (-0.27--0.18)
United States Virgin Islands	92 (79-110)	87.39 (75.51-105.22)	80 (67-95)	78.2 (67.85-92.39)	-0.11 (-0.15--0.06)

Tropical Latin America	170415 (145957-204020)	110.24 (95.1-130.17)	224968 (191838-266998)	104.94 (90.78-123.86)	-0.05 (-0.07--0.02)
Brazil	166448 (142610-199194)	110.74 (95.36-130.85)	218955 (186513-260175)	105.48 (91.04-124.75)	-0.05 (-0.07--0.02)
Paraguay	3967 (3373-4735)	92.33 (80.08-109.91)	6013 (5196-7185)	89.21 (77.43-105.74)	-0.03 (-0.09-0.02)
East Asia	927563 (802403-1074430)	77.52 (67.15-89.71)	497566 (431773-576950)	47.48 (40.56-55.34)	-0.39 (-0.41--0.37)
China	5166 (4622-5814)	42.06 (37.58-47.45)	7358 (6472-8356)	36.36 (32.32-40.83)	-0.14 (-0.18--0.08)
Democratic People's Republic of Korea	17894 (15093-20971)	69.35 (59.44-80.42)	10569 (9249-12000)	54.8 (47.23-63.08)	-0.21 (-0.26--0.15)
Taiwan (Province of China)	18050 (16478-19685)	103.87 (94.08-113.08)	8874 (7787-10087)	64.57 (55.59-74.09)	-0.38 (-0.44--0.31)
Southeast Asia	429308 (373315-497082)	80.89 (71.63-92.77)	393236 (348696-453498)	63.75 (56.75-73.05)	-0.21 (-0.23--0.19)
Cambodia	556 (472-666)	140.43 (121.48-168.12)	669 (578-799)	123.49 (106.84-146.12)	-0.12 (-0.17--0.07)
Indonesia	153515 (132092-183765)	76.07 (66.43-89.82)	146661 (127906-172896)	62.13 (54.67-72.51)	-0.18 (-0.21--0.16)
Lao People's Democratic Republic	7350 (6177-8692)	123.75 (106.7-143.46)	7667 (6614-8901)	100.63 (87.54-115.93)	-0.19 (-0.23--0.14)
Malaysia	17482 (14765-20648)	83.18 (71.35-96.71)	20755 (18148-24148)	73.65 (63.88-85.39)	-0.11 (-0.17--0.05)
Maldives	223 (188-267)	71.94 (62.42-83.82)	223 (192-262)	51.02 (44.25-59.31)	-0.29 (-0.35--0.24)
Mauritius	692 (601-799)	63.82 (55.73-73.31)	505 (442-585)	49.53 (43.38-56.3)	-0.22 (-0.28--0.17)
Myanmar	44355 (37939-51772)	87.87 (76.83-100.54)	39258 (34758-45482)	74.63 (66.02-85.88)	-0.15 (-0.21--0.09)
Philippines	36683 (31242-44171)	51.16 (44.23-59.92)	54256 (47055-64085)	47.38 (41.35-55.48)	-0.07 (-0.09--0.05)
Sri Lanka	7063 (6198-8225)	40.7 (35.8-46.89)	6512 (5748-7506)	32.14 (28.56-36.89)	-0.21 (-0.25--0.17)
Seychelles	52 (45-60)	66.84 (58.27-77.44)	53 (47-61)	58.83 (52.03-67.62)	-0.12 (-0.17--0.06)
Thailand	36549 (31979-42785)	65.51 (57.67-76.01)	28169 (24737-32692)	47.94 (42.77-54.19)	-0.27 (-0.31--0.22)
Timor-Leste	913 (766-1086)	83.15 (72.76-97.22)	995 (856-1165)	64.93 (56.61-75.33)	-0.22 (-0.26--0.17)
Viet Nam	86054 (72893-101567)	104.48 (90.7-121.51)	54563 (48252-63222)	65.3 (57.94-74.49)	-0.38 (-0.42--0.33)
Oceania	3881 (3304-4542)	47.18 (41.46-53.92)	6362 (5416-7471)	41.04 (35.75-47.53)	-0.13 (-0.18--0.08)
American Samoa	11 (9-12)	19.98 (17.94-22.22)	9 (8-10)	16.42 (14.58-18.77)	-0.18 (-0.23--0.12)

Cook Islands	5857 (5041-6935)	226.59 (197.35-267.18)	9378 (8147-11260)	180.66 (157.1-215.08)	-0.2 (-0.24--0.16)
Micronesia (Federated States of)	70 (58-83)	51.68 (45.42-59.46)	44 (38-51)	44.8 (39.28-51.4)	-0.13 (-0.18--0.09)
Fiji	289 (247-345)	35.41 (30.71-41.25)	298 (259-345)	34.18 (29.68-39.5)	-0.03 (-0.1-0.04)
Guam	31 (27-36)	23.88 (21.11-27.38)	36 (32-41)	21.28 (18.92-24.3)	-0.11 (-0.16--0.07)
Kiribati	55 (46-64)	58.32 (50.98-67.05)	75 (64-88)	57.19 (50.09-66.09)	-0.02 (-0.08-0.04)
Nauru	4 (3-5)	33.15 (29.31-38)	3 (3-4)	31.46 (27.95-36.08)	-0.05 (-0.09--0.01)
Niue	1 (1-1)	29.76 (26.3-34.15)	0 (0-1)	27.56 (24.46-31.49)	-0.07 (-0.11--0.03)
Marshall Islands	21 (17-24)	37.17 (32.82-42.62)	18 (16-21)	32.92 (29.27-37.65)	-0.11 (-0.15--0.08)
Northern Mariana Islands	13 (12-15)	32.42 (28.88-37.02)	10 (8-12)	26.32 (23.36-29.8)	-0.19 (-0.23--0.15)
Palau	4 (4-5)	27.32 (24.11-31.5)	4 (4-5)	26.21 (23.09-29.98)	-0.04 (-0.08-0.01)
Papua New Guinea	2952 (2494-3466)	54.18 (47.28-62.2)	5226 (4416-6167)	43.45 (37.66-50.67)	-0.2 (-0.25--0.14)
Samoa	29 (25-34)	18.29 (16.28-20.94)	34 (30-39)	17.06 (15.18-19.54)	-0.07 (-0.11--0.03)
Solomon Islands	69 (60-81)	18.82 (16.78-21.29)	157 (137-180)	22.35 (19.98-25.26)	0.19 (0.12-0.26)
Tokelau	1 (1-1)	31.73 (27.88-36.49)	0 (0-0)	26.33 (23.23-29.85)	-0.17 (-0.21--0.13)
Tonga	41 (36-48)	40.59 (36.18-45.97)	40 (35-45)	38.08 (34.17-42.75)	-0.06 (-0.1--0.02)
Tuvalu	3 (3-4)	33.63 (29.83-38.72)	3 (3-4)	29.15 (25.8-33.23)	-0.13 (-0.17--0.1)
Vanuatu	66 (55-78)	36.28 (31.79-41.55)	100 (87-116)	32.63 (28.94-37.19)	-0.1 (-0.14--0.06)
North Africa and Middle East	493681 (436004-574356)	161.72 (142-186.18)	778941 (686339-898356)	140.27 (123.62-160.22)	-0.13 (-0.16--0.1)
Afghanistan	18984 (16540-22562)	171.45 (148.13-200.72)	48471 (41862-57670)	145.83 (125.88-171.14)	-0.15 (-0.2--0.11)
Algeria	25231 (21784-30179)	117.25 (100.65-136.39)	39774 (34122-47069)	102.08 (87.65-119.68)	-0.13 (-0.18--0.08)
Bahrain	483 (417-575)	123.79 (107-144.83)	1338 (1117-1635)	106.96 (92.48-126.28)	-0.14 (-0.19--0.07)
Egypt	200728 (176389-230982)	396.58 (350.29-450.37)	317335 (279302-362085)	368.72 (325.46-419.14)	-0.07 (-0.13-0)
Iran (Islamic Republic of)	37703 (32385-44887)	79.9 (67.96-94.45)	60319 (51169-72007)	75.79 (64.51-89.4)	-0.05 (-0.08--0.03)
Iraq	15485 (13374-18454)	101.58 (87.44-119.43)	29179 (25162-34732)	83.16 (71.69-97.23)	-0.18 (-0.24--0.12)

Jordan	2720 (2353-3195)	91.68 (78.83-108.29)	7068 (6122-8298)	73.96 (63.66-85.63)	-0.19 (-0.25--0.14)
Kuwait	1138 (980-1352)	79.37 (68.37-91.62)	2884 (2399-3411)	74.7 (63.95-88.04)	-0.06 (-0.13-0.02)
Lebanon	2222 (1924-2608)	75.36 (64.12-88.51)	3377 (2890-3992)	64.95 (55.73-76.4)	-0.14 (-0.18--0.09)
Libya	8103 (6948-9610)	194.65 (168.62-225.39)	10483 (8961-12627)	180.34 (157.02-211.3)	-0.07 (-0.13--0.01)
Morocco	33206 (28664-39313)	146.47 (126.51-171.88)	43884 (37755-52122)	130.74 (112.55-153.97)	-0.11 (-0.15--0.06)
Palestine	2518 (2176-3003)	137.73 (118.06-161.86)	4603 (4021-5379)	114.56 (99.38-131.45)	-0.17 (-0.25--0.08)
Oman	2084 (1782-2470)	128.37 (109.63-152.56)	3761 (3192-4466)	107.38 (92.44-125.99)	-0.16 (-0.21--0.11)
Qatar	422 (353-513)	129.67 (111.78-151.24)	2294 (1918-2825)	111.95 (97.8-129.25)	-0.14 (-0.19--0.08)
Saudi Arabia	37075 (32024-43561)	256.2 (222.28-298.28)	57953 (49298-70118)	202.91 (177.17-232.24)	-0.21 (-0.27--0.13)
Sudan	27917 (24074-32880)	149.98 (128.98-176.02)	40860 (35018-48458)	119.19 (101.45-139.45)	-0.21 (-0.24--0.17)
Syrian Arab Republic	21924 (18761-25993)	179.68 (155.61-210.25)	21655 (18508-25883)	163.33 (141.17-192.16)	-0.09 (-0.15--0.03)
Tunisia	4932 (4374-5665)	72.06 (63-83.15)	8673 (7398-10216)	73.8 (63.51-86.07)	0.02 (-0.03-0.09)
Turkey	38285 (32996-45412)	75.2 (63.95-88.57)	47089 (40419-55424)	57.42 (49.7-66.96)	-0.24 (-0.29--0.18)
United Arab Emirates	1460 (1226-1776)	103.19 (88.05-122.13)	7172 (5724-9175)	94.89 (81.75-112.87)	-0.08 (-0.13--0.02)
Yemen	10727 (9354-12529)	102.97 (88.64-119.69)	19979 (17443-23127)	82.17 (70.87-96.12)	-0.2 (-0.27--0.13)
South Asia	664581 (574759-786765)	60.22 (52.45-70.29)	871086 (762789-1021125)	52.39 (45.85-61.09)	-0.13 (-0.15--0.11)
Bangladesh	53411 (46469-61713)	51.18 (44.73-59.12)	49837 (43911-58227)	34.5 (30.31-40.16)	-0.33 (-0.36--0.29)
Bhutan	310 (279-349)	52.64 (46.5-59.6)	338 (293-395)	50.09 (43.59-57.59)	-0.05 (-0.1-0.02)
India	448532 (386855-531574)	53.44 (46.23-62.99)	590000 (512122-694184)	46.36 (40.23-54.24)	-0.13 (-0.15--0.11)
Nepal	7622 (6636-8860)	40.34 (35.13-46.96)	9528 (8315-11117)	34.87 (30.26-40.38)	-0.14 (-0.18--0.08)
Pakistan	154706 (132231-183990)	119.73 (104.13-139.81)	221383 (191602-260103)	98.92 (86.48-114.86)	-0.17 (-0.2--0.15)
Southern Sub-Saharan Africa	47629 (41380-56777)	94.88 (82.33-111.04)	67954 (58925-80191)	91.14 (79.14-106.76)	-0.04 (-0.06--0.02)
Botswana	1309 (1113-1588)	102.11 (88.5-119.34)	2044 (1764-2448)	93.38 (81.24-110.88)	-0.09 (-0.13--0.03)

Lesotho	1890 (1618-2241)	105.22 (91.03-122.87)	2201 (1908-2594)	111.84 (96.85-131.22)	0.06 (0-0.13)
Namibia	1332 (1144-1598)	95.64 (83.11-111.7)	1999 (1713-2409)	87.85 (75.51-105.82)	-0.08 (-0.13--0.04)
South Africa	31973 (27618-38116)	91.5 (78.48-108.34)	44991 (38564-53419)	85.1 (73.38-100.74)	-0.07 (-0.1--0.05)
Eswatini	808 (689-977)	100.64 (87.1-118.47)	1112 (961-1302)	104.63 (91.43-121.61)	0.04 (-0.02-0.1)
Zimbabwe	10317 (8869-12371)	104.95 (91.78-123.02)	15607 (13498-18534)	111.12 (96.56-131.21)	0.06 (0.01-0.11)
Western Sub-Saharan Africa	455017 (391663-536270)	196.99 (172.47-229.1)	769574 (657068-917262)	153.78 (134.03-179.94)	-0.22 (-0.23--0.2)
Benin	12849 (10734-15656)	206.05 (177.93-243.18)	25031 (21146-29999)	169.51 (146.97-200.34)	-0.18 (-0.22--0.14)
Burkina Faso	23477 (19686-28329)	197.2 (170.59-231.19)	44737 (37491-53891)	167.84 (145.92-198.71)	-0.15 (-0.18--0.11)
Cameroon	37805 (31830-44495)	225.84 (196.35-260.28)	33106 (28374-38077)	190.16 (163.62-218.11)	-0.16 (-0.22--0.09)
Cabo Verde	23566 (19827-28329)	165.87 (143.25-196.16)	37788 (32232-45138)	136.18 (119.17-160.83)	-0.18 (-0.22--0.14)
Chad	147816 (127383-174305)	240.54 (208.55-283.69)	269526 (232325-321927)	201.61 (174.94-238.31)	-0.16 (-0.19--0.13)
Cote d'Ivoire	3198 (2781-3759)	100.23 (88.18-116.16)	4348 (3739-5119)	96.71 (84.18-112.66)	-0.04 (-0.09-0.03)
Gambia	1550 (1318-1873)	143.34 (124.13-168.42)	3013 (2558-3658)	134.34 (115.73-160.85)	-0.06 (-0.11--0.01)
Ghana	41323 (36031-48159)	223.62 (196.8-260.7)	54695 (46896-66044)	166.94 (144.35-198.62)	-0.25 (-0.3--0.2)
Guinea	14444 (12261-17429)	195.76 (171.15-232.04)	23816 (20298-28532)	171.61 (149-203.06)	-0.12 (-0.17--0.08)
Guinea-Bissau	1777 (1508-2126)	155.28 (135.08-183.32)	2416 (2063-2900)	123.64 (106.76-145.83)	-0.2 (-0.25--0.15)
Liberia	3861 (3285-4595)	171.32 (148.28-200.84)	6924 (5898-8374)	141.26 (122.21-167.71)	-0.18 (-0.22--0.14)
Mali	22349 (18842-26838)	208.6 (180.93-242.26)	42529 (36051-50495)	169.63 (147.29-199.74)	-0.19 (-0.24--0.14)
Mauritania	3796 (3219-4531)	161.22 (140.34-191.49)	5030 (4311-6041)	123.26 (106.86-145.57)	-0.24 (-0.27--0.2)
Niger	19054 (15866-22896)	184.91 (159.78-219.25)	46831 (39187-57025)	161.03 (139.47-189.57)	-0.13 (-0.16--0.09)
Nigeria	222266 (190196-266680)	208.55 (181.11-246.38)	353806 (301162-429019)	152.94 (132.56-180.76)	-0.27 (-0.29--0.24)
Sao Tome and Principe	221 (188-265)	161.2 (139.36-190.48)	263 (226-315)	129.48 (111.74-153.01)	-0.2 (-0.23--0.16)
Senegal	7929 (7071-8994)	96.47 (85.82-108.94)	14348 (12314-16881)	94.55 (82.11-111.13)	-0.02 (-0.09-0.06)
Sierra Leone	7113 (6039-8470)	167.94 (145.12-199.2)	12242 (10373-14704)	139.25 (119.66-166.03)	-0.17 (-0.21--0.13)

Togo	6914 (5825-8280)	162.54 (140.99-190.78)	11229 (9612-13477)	135.69 (117.93-163.09)	-0.17 (-0.2--0.13)
Eastern Sub-Saharan Africa	246921 (212573-293022)	127.85 (111.86-149.68)	429093 (373056-510887)	110.16 (96.3-128.91)	-0.14 (-0.16--0.12)
Burundi	16128 (13574-18690)	230.36 (199.31-260.72)	21207 (17958-25303)	164.71 (141.61-194.55)	-0.28 (-0.35--0.21)
Comoros	31671 (27316-37400)	92.51 (80.45-108.11)	34336 (29867-40605)	74.26 (64.78-87.75)	-0.2 (-0.25--0.14)
Djibouti	535 (458-643)	112.39 (97.13-132.45)	1090 (946-1293)	96.77 (83.94-113.66)	-0.14 (-0.17--0.1)
Eritrea	3868 (3286-4678)	125.95 (109.1-147.87)	7360 (6383-8610)	118.58 (103.8-138.96)	-0.06 (-0.11-0)
Ethiopia	73738 (63191-89053)	147.41 (127.42-174.08)	118461 (102240-142514)	120.47 (104.32-142.47)	-0.18 (-0.21--0.16)
Kenya	21027 (17825-25628)	93.34 (80.34-110.4)	37989 (32852-45539)	83.38 (71.88-98.97)	-0.11 (-0.13--0.08)
Madagascar	8579 (7461-9994)	76.09 (66.57-88.42)	19399 (16737-23001)	80.71 (70.31-93.85)	0.06 (0.01-0.13)
Malawi	13465 (11537-15903)	137.67 (119.92-161.04)	19451 (16873-22918)	114.81 (99.91-133.41)	-0.17 (-0.21--0.12)
Mozambique	14036 (12028-16842)	104.64 (90.14-122.76)	30231 (26129-36195)	103.58 (89.89-122.93)	-0.01 (-0.05-0.03)
Rwanda	11303 (9708-13371)	155.21 (136.72-180.43)	13797 (12083-16112)	118.53 (103.86-138.72)	-0.24 (-0.28--0.19)
Somalia	10651 (9045-12861)	142.13 (123.55-166.5)	28363 (24142-33737)	136.3 (118.03-159.75)	-0.04 (-0.08-0)
South Sudan	6624 (5718-7966)	115.09 (99.75-135.1)	9051 (7818-10895)	102.21 (88.15-120.56)	-0.11 (-0.16--0.07)
United Republic of Tanzania	27938 (23751-33090)	107.8 (93.23-126.65)	56241 (48064-67310)	102.35 (88.69-121.81)	-0.05 (-0.1-0)
Uganda	27783 (23386-33239)	146.12 (126.78-170.86)	46308 (39473-55156)	116.33 (101.27-137.81)	-0.2 (-0.25--0.16)
Zambia	10535 (8973-12585)	132.9 (116.53-155.29)	19122 (16489-22658)	113.94 (99.28-132.87)	-0.14 (-0.19--0.09)
Central Sub-Saharan Africa	179582 (155516-213111)	103.14 (90.33-120.91)	221533 (192682-262964)	90.42 (78.99-106.55)	-0.12 (-0.14--0.1)
Angola	29403 (25169-34848)	257.07 (221.98-303.38)	62680 (54232-75375)	203.93 (177.33-242.88)	-0.21 (-0.25--0.16)
Central African Republic	34714 (30375-41022)	95.79 (84.47-111.96)	40826 (35651-48228)	89.7 (78.62-105.73)	-0.06 (-0.09--0.04)
Congo	529 (453-632)	114.09 (98.63-134.59)	682 (595-804)	101.63 (88.62-119.42)	-0.11 (-0.16--0.06)
Democratic Republic of the Congo	102179 (87507-121555)	238.2 (205.68-283.29)	181013 (154953-215872)	202.92 (175.57-239.89)	-0.15 (-0.19--0.1)
Equatorial Guinea	1259 (1075-1515)	250.51 (217.38-295.55)	2008 (1726-2418)	153.93 (133.69-182.98)	-0.39 (-0.42--0.35)
Gabon	2968 (2547-3514)	273.61 (235.92-325.16)	3445 (2970-4093)	201.61 (174.11-239.76)	-0.26 (-0.3--0.22)

Table S3: YLDs cases of acute hepatitis C in 1990 and 2019 for both sexes and percentage change of age-standardised rates(ASR) by location					
	1990		2019		Percentage change in ASR from 1990 and 2019
	Counts (95% UI)	ASR Rate (95% UI)	Counts (95% UI)	ASR Rate (95% UI)	
Global	7398 (3551-14623)	0.13 (0.06-0.26)	8915 (4257-17539)	0.12 (0.06-0.24)	-0.1 (-0.13--0.08)
High-income North America	205 (100-412)	0.07 (0.04-0.15)	306 (149-613)	0.08 (0.04-0.16)	0.11 (0.08-0.14)
Canada	17 (8-34)	0.06 (0.03-0.13)	25 (12-50)	0.06 (0.03-0.12)	-0.01 (-0.08-0.06)
Greenland	0 (0-0)	0.08 (0.04-0.15)	0 (0-0)	0.08 (0.04-0.15)	-0.01 (-0.06-0.05)
United States of America	188 (92-376)	0.07 (0.04-0.15)	281 (137-565)	0.08 (0.04-0.16)	0.12 (0.09-0.15)
Australasia	21 (10-41)	0.11 (0.05-0.21)	32 (15-63)	0.11 (0.05-0.21)	-0.01 (-0.08-0.07)
Australia	19 (9-37)	0.12 (0.06-0.23)	29 (14-57)	0.11 (0.06-0.23)	-0.01 (-0.08-0.08)
New Zealand	2 (1-4)	0.06 (0.03-0.12)	3 (1-6)	0.06 (0.03-0.11)	-0.09 (-0.12--0.06)
High-income Asia Pacific	143 (70-284)	0.08 (0.04-0.15)	180 (85-360)	0.06 (0.03-0.11)	-0.27 (-0.3--0.23)
Brunei Darussalam	0 (0-0)	0.06 (0.03-0.12)	0 (0-0)	0.06 (0.03-0.11)	-0.08 (-0.15--0.02)
Japan	114 (55-228)	0.08 (0.04-0.15)	140 (66-281)	0.06 (0.03-0.11)	-0.24 (-0.27--0.2)
Singapore	1 (1-3)	0.06 (0.03-0.11)	4 (2-7)	0.05 (0.03-0.11)	-0.03 (-0.08-0.03)
Republic of Korea	28 (14-56)	0.07 (0.04-0.14)	36 (17-73)	0.05 (0.02-0.1)	-0.31 (-0.36--0.25)
Western Europe	304 (149-604)	0.07 (0.04-0.14)	364 (178-738)	0.07 (0.03-0.13)	-0.08 (-0.1--0.05)
Andorra	0 (0-0)	0.07 (0.03-0.13)	0 (0-0)	0.07 (0.03-0.13)	0.01 (-0.04-0.07)
Austria	6 (3-11)	0.07 (0.03-0.13)	7 (3-14)	0.06 (0.03-0.12)	-0.07 (-0.14-0)
Belgium	6 (3-11)	0.05 (0.02-0.1)	9 (4-18)	0.06 (0.03-0.12)	0.23 (0.11-0.37)
Cyprus	0 (0-1)	0.06 (0.03-0.12)	1 (0-2)	0.05 (0.02-0.1)	-0.12 (-0.18--0.05)
Denmark	3 (2-6)	0.06 (0.03-0.11)	4 (2-8)	0.06 (0.03-0.11)	0 (-0.08-0.07)
Finland	3 (1-6)	0.06 (0.03-0.11)	4 (2-9)	0.06 (0.03-0.12)	0.11 (0.04-0.18)
France	39 (19-77)	0.06 (0.03-0.12)	50 (24-102)	0.06 (0.03-0.12)	-0.03 (-0.11-0.04)
Germany	48 (24-97)	0.05 (0.03-0.11)	59 (28-119)	0.05 (0.03-0.11)	-0.02 (-0.09-0.06)
Greece	5 (3-11)	0.05 (0.02-0.09)	6 (3-11)	0.04 (0.02-0.08)	-0.15 (-0.2--0.1)
Iceland	0 (0-0)	0.05 (0.02-0.09)	0 (0-0)	0.05 (0.02-0.09)	-0.01 (-0.06-0.05)
Ireland	2 (1-4)	0.05 (0.02-0.1)	3 (2-6)	0.06 (0.03-0.11)	0.1 (0.03-0.19)
Israel	3 (1-6)	0.06 (0.03-0.11)	6 (3-12)	0.06 (0.03-0.12)	0.03 (-0.05-0.11)
Italy	89 (43-179)	0.14 (0.07-0.28)	83 (40-167)	0.11 (0.05-0.22)	-0.22 (-0.26--0.2)
Luxembourg	0 (0-1)	0.06 (0.03-0.12)	0 (0-1)	0.06 (0.03-0.12)	-0.04 (-0.09-0.03)
Malta	0 (0-0)	0.06 (0.03-0.11)	0 (0-1)	0.05 (0.03-0.11)	-0.05 (-0.11-0.03)
Monaco	0 (0-0)	0.06 (0.03-0.11)	0 (0-0)	0.07 (0.03-0.14)	0.2 (0.14-0.28)
Netherlands	6 (3-11)	0.03 (0.02-0.07)	8 (4-16)	0.03 (0.02-0.07)	0.02 (-0.06-

					0.09)
Norway	3 (1-6)	0.06 (0.03-0.12)	4 (2-8)	0.06 (0.03-0.12)	0 (-0.03-0.03)
San Marino	0 (0-0)	0.06 (0.03-0.12)	0 (0-0)	0.06 (0.03-0.12)	0 (-0.05-0.05)
Portugal	8 (4-16)	0.07 (0.04-0.14)	8 (4-17)	0.06 (0.03-0.12)	-0.16 (-0.22--0.08)
Spain	34 (17-66)	0.08 (0.04-0.16)	40 (20-80)	0.07 (0.03-0.13)	-0.17 (-0.23--0.1)
Sweden	5 (3-11)	0.05 (0.03-0.11)	7 (3-14)	0.05 (0.03-0.1)	-0.03 (-0.06-0.01)
Switzerland	4 (2-8)	0.05 (0.03-0.1)	6 (3-13)	0.06 (0.03-0.11)	0.12 (0.05-0.2)
United Kingdom	39 (19-78)	0.06 (0.03-0.12)	57 (28-113)	0.07 (0.04-0.14)	0.15 (0.12-0.18)
Southern Latin America	26 (12-50)	0.05 (0.03-0.1)	38 (18-74)	0.05 (0.03-0.1)	-0.02 (-0.06-0.04)
Argentina	16 (8-31)	0.05 (0.02-0.09)	24 (12-47)	0.05 (0.02-0.1)	0.05 (-0.01-0.12)
Chile	8 (4-16)	0.07 (0.03-0.13)	12 (6-23)	0.06 (0.03-0.12)	-0.14 (-0.18--0.08)
Uruguay	2 (1-3)	0.05 (0.02-0.09)	2 (1-3)	0.04 (0.02-0.08)	-0.06 (-0.12-0.01)
Eastern Europe	240 (117-476)	0.11 (0.05-0.23)	249 (121-494)	0.14 (0.06-0.27)	0.2 (0.15-0.24)
Belarus	11 (5-23)	0.12 (0.06-0.24)	10 (5-21)	0.13 (0.06-0.25)	0.07 (-0.04-0.2)
Estonia	2 (1-3)	0.11 (0.05-0.23)	1 (1-3)	0.12 (0.06-0.24)	0.03 (-0.07-0.15)
Latvia	3 (1-5)	0.11 (0.05-0.22)	2 (1-4)	0.11 (0.05-0.21)	-0.01 (-0.12-0.12)
Lithuania	4 (2-9)	0.13 (0.06-0.26)	3 (2-6)	0.14 (0.06-0.27)	0.03 (-0.08-0.16)
Republic of Moldova	8 (4-16)	0.18 (0.08-0.36)	5 (2-9)	0.16 (0.08-0.32)	-0.11 (-0.28-0.08)
Russian Federation	152 (73-302)	0.11 (0.05-0.21)	171 (84-342)	0.13 (0.06-0.26)	0.22 (0.18-0.26)
Ukraine	59 (29-118)	0.12 (0.06-0.25)	56 (28-110)	0.16 (0.08-0.31)	0.27 (0.16-0.39)
Central Europe	96 (47-189)	0.08 (0.04-0.17)	77 (37-153)	0.07 (0.03-0.14)	-0.14 (-0.17--0.11)
Albania	3 (1-5)	0.08 (0.04-0.16)	2 (1-4)	0.07 (0.03-0.13)	-0.19 (-0.23--0.15)
Bosnia and Herzegovina	3 (2-7)	0.08 (0.04-0.16)	2 (1-5)	0.08 (0.04-0.15)	-0.06 (-0.12-0)
Bulgaria	6 (3-11)	0.07 (0.03-0.14)	4 (2-9)	0.07 (0.03-0.13)	-0.01 (-0.07-0.05)
Croatia	3 (1-6)	0.07 (0.03-0.13)	2 (1-5)	0.06 (0.03-0.11)	-0.12 (-0.17--0.06)
Czechia	5 (3-11)	0.06 (0.03-0.11)	5 (3-11)	0.05 (0.02-0.1)	-0.09 (-0.14--0.03)
Hungary	10 (5-19)	0.11 (0.05-0.21)	6 (3-13)	0.07 (0.03-0.14)	-0.33 (-0.38--0.27)
North Macedonia	1 (1-3)	0.07 (0.03-0.14)	1 (1-3)	0.07 (0.03-0.13)	-0.04 (-0.09-0.02)
Montenegro	0 (0-1)	0.06 (0.03-0.11)	0 (0-1)	0.06 (0.03-0.12)	0.02 (-0.04-0.08)
Poland	29 (14-58)	0.08 (0.04-0.16)	25 (12-49)	0.07 (0.03-0.14)	-0.13 (-0.15--0.1)
Romania	24 (11-47)	0.11 (0.05-0.23)	17 (8-33)	0.1 (0.05-0.2)	-0.12 (-0.21--0.01)
Serbia	6 (3-13)	0.07 (0.03-0.14)	6 (3-12)	0.07 (0.03-0.14)	-0.03 (-0.09-0.04)
Slovakia	4 (2-8)	0.08 (0.04-0.16)	3 (2-7)	0.07 (0.03-0.14)	-0.14 (-0.18--0.08)
Slovenia	1 (1-3)	0.08 (0.04-0.17)	1 (1-3)	0.07 (0.04-0.14)	-0.12 (-0.18--0.06)
Central Asia	193 (91-386)	0.24 (0.11-0.48)	235 (116-471)	0.25 (0.12-0.5)	0.05 (-0.09-0.22)
Armenia	7 (3-14)	0.2 (0.09-0.39)	6 (3-11)	0.21 (0.1-0.42)	0.08 (-0.23-

					0.52)
Azerbaijan	18 (8-36)	0.22 (0.1-0.46)	20 (10-40)	0.22 (0.1-0.44)	0 (-0.23-0.31)
Georgia	11 (5-21)	0.21 (0.09-0.42)	7 (3-13)	0.2 (0.1-0.41)	-0.04 (-0.31-0.35)
Kazakhstan	27 (13-56)	0.16 (0.08-0.33)	32 (15-63)	0.17 (0.08-0.34)	0.08 (-0.12-0.31)
Kyrgyzstan	13 (6-26)	0.24 (0.12-0.48)	17 (8-34)	0.24 (0.11-0.5)	0.01 (-0.25-0.38)
Mongolia	16 (7-33)	0.55 (0.25-1.1)	20 (9-41)	0.58 (0.27-1.15)	0.04 (-0.23-0.44)
Tajikistan	19 (9-38)	0.26 (0.12-0.51)	27 (13-54)	0.26 (0.13-0.51)	0.01 (-0.26-0.37)
Turkmenistan	13 (6-26)	0.27 (0.12-0.53)	13 (6-26)	0.25 (0.12-0.49)	-0.05 (-0.31-0.33)
Uzbekistan	69 (32-141)	0.26 (0.12-0.52)	93 (45-188)	0.27 (0.13-0.54)	0.04 (-0.21-0.43)
Central Latin America	291 (140-577)	0.17 (0.08-0.33)	359 (174-709)	0.15 (0.07-0.29)	-0.12 (-0.15--0.09)
Colombia	51 (25-101)	0.15 (0.07-0.29)	56 (27-111)	0.12 (0.06-0.24)	-0.2 (-0.27--0.13)
Costa Rica	5 (2-10)	0.16 (0.08-0.32)	7 (3-14)	0.16 (0.08-0.31)	-0.03 (-0.09-0.03)
El Salvador	11 (5-22)	0.19 (0.09-0.37)	11 (5-21)	0.17 (0.08-0.33)	-0.1 (-0.17--0.03)
Guatemala	26 (12-52)	0.27 (0.13-0.54)	41 (19-79)	0.22 (0.1-0.43)	-0.19 (-0.3--0.07)
Honduras	14 (7-27)	0.25 (0.12-0.48)	23 (11-46)	0.23 (0.11-0.45)	-0.08 (-0.2-0.04)
Mexico	135 (65-273)	0.16 (0.08-0.31)	167 (80-330)	0.14 (0.06-0.27)	-0.13 (-0.15--0.1)
Nicaragua	14 (7-27)	0.29 (0.14-0.56)	14 (7-28)	0.21 (0.1-0.42)	-0.25 (-0.39--0.09)
Panama	3 (2-7)	0.14 (0.07-0.27)	5 (2-10)	0.12 (0.06-0.24)	-0.12 (-0.18--0.06)
Venezuela (Bolivarian Republic of)	31 (15-61)	0.16 (0.07-0.31)	37 (18-73)	0.13 (0.06-0.27)	-0.14 (-0.2--0.08)
Andean Latin America	35 (17-69)	0.09 (0.04-0.18)	52 (25-102)	0.08 (0.04-0.16)	-0.08 (-0.11--0.05)
Bolivia (Plurinational State of)	7 (3-14)	0.1 (0.05-0.2)	11 (5-22)	0.09 (0.05-0.18)	-0.09 (-0.13--0.05)
Ecuador	9 (4-17)	0.08 (0.04-0.16)	14 (7-28)	0.08 (0.04-0.16)	-0.02 (-0.07-0.03)
Peru	19 (9-39)	0.09 (0.04-0.17)	26 (13-52)	0.08 (0.04-0.16)	-0.11 (-0.15--0.06)
Caribbean	56 (27-112)	0.16 (0.08-0.31)	66 (32-130)	0.15 (0.07-0.29)	-0.06 (-0.13-0)
Antigua and Barbuda	0 (0-0)	0.14 (0.07-0.29)	0 (0-0)	0.12 (0.06-0.23)	-0.19 (-0.24--0.14)
Bahamas	0 (0-1)	0.14 (0.07-0.27)	0 (0-1)	0.12 (0.06-0.23)	-0.14 (-0.19--0.1)
Barbados	0 (0-1)	0.12 (0.06-0.25)	0 (0-1)	0.11 (0.05-0.22)	-0.12 (-0.16--0.07)
Belize	0 (0-1)	0.16 (0.08-0.31)	1 (0-1)	0.14 (0.07-0.28)	-0.09 (-0.15--0.02)
Bermuda	0 (0-0)	0.13 (0.06-0.25)	0 (0-0)	0.09 (0.05-0.19)	-0.26 (-0.3--0.21)
Cuba	12 (6-25)	0.12 (0.06-0.24)	12 (6-24)	0.11 (0.05-0.22)	-0.09 (-0.15--0.03)
Dominica	0 (0-0)	0.14 (0.07-0.29)	0 (0-0)	0.11 (0.05-0.22)	-0.26 (-0.29--0.22)
Dominican Republic	11 (6-22)	0.15 (0.07-0.3)	16 (8-31)	0.15 (0.07-0.29)	-0.04 (-0.09-0.01)
Grenada	0 (0-0)	0.17 (0.08-0.32)	0 (0-0)	0.14 (0.07-0.27)	-0.16 (-0.22--0.1)

Guyana	2 (1-3)	0.19 (0.09-0.38)	1 (1-3)	0.17 (0.08-0.34)	-0.1 (-0.17--0.03)
Haiti	16 (8-33)	0.21 (0.1-0.44)	24 (11-47)	0.18 (0.09-0.36)	-0.15 (-0.28-0)
Jamaica	3 (1-6)	0.12 (0.06-0.24)	3 (1-6)	0.11 (0.05-0.22)	-0.09 (-0.14--0.03)
Puerto Rico	6 (3-11)	0.16 (0.08-0.31)	4 (2-8)	0.12 (0.06-0.24)	-0.24 (-0.28--0.18)
Saint Kitts and Nevis	0 (0-0)	0.17 (0.08-0.34)	0 (0-0)	0.13 (0.06-0.26)	-0.24 (-0.28--0.19)
Saint Lucia	0 (0-0)	0.16 (0.08-0.33)	0 (0-0)	0.13 (0.06-0.26)	-0.19 (-0.25--0.13)
Saint Vincent and the Grenadines	0 (0-0)	0.15 (0.07-0.29)	0 (0-0)	0.13 (0.06-0.26)	-0.15 (-0.19--0.1)
Suriname	1 (0-1)	0.15 (0.07-0.3)	1 (0-1)	0.13 (0.06-0.26)	-0.11 (-0.15--0.06)
Trinidad and Tobago	2 (1-3)	0.14 (0.07-0.28)	1 (1-3)	0.11 (0.05-0.22)	-0.23 (-0.27--0.18)
United States Virgin Islands	0 (0-0)	0.14 (0.07-0.28)	0 (0-0)	0.13 (0.06-0.25)	-0.1 (-0.15--0.06)
Tropical Latin America	277 (135-548)	0.18 (0.09-0.36)	365 (177-720)	0.17 (0.08-0.34)	-0.05 (-0.07--0.02)
Brazil	270 (132-535)	0.18 (0.09-0.36)	355 (173-701)	0.17 (0.08-0.34)	-0.05 (-0.07--0.02)
Paraguay	6 (3-13)	0.15 (0.07-0.3)	10 (5-19)	0.14 (0.07-0.29)	-0.03 (-0.09-0.02)
East Asia	1498 (721-2977)	0.13 (0.06-0.25)	807 (389-1584)	0.08 (0.04-0.15)	-0.38 (-0.43--0.34)
China	1440 (691-2865)	0.12 (0.06-0.25)	776 (374-1529)	0.08 (0.04-0.15)	-0.39 (-0.44--0.34)
Democratic People's Republic of Korea	29 (13-60)	0.11 (0.05-0.23)	17 (8-34)	0.09 (0.04-0.18)	-0.21 (-0.42-0.11)
Taiwan (Province of China)	29 (13-59)	0.17 (0.07-0.34)	14 (7-29)	0.11 (0.05-0.21)	-0.37 (-0.61-0.03)
Southeast Asia	694 (332-1380)	0.13 (0.06-0.26)	637 (306-1256)	0.1 (0.05-0.2)	-0.21 (-0.27--0.15)
Cambodia	60 (25-120)	0.36 (0.15-0.73)	53 (23-106)	0.31 (0.13-0.61)	-0.15 (-0.43-0.29)
Indonesia	249 (121-491)	0.12 (0.06-0.25)	238 (116-476)	0.1 (0.05-0.2)	-0.18 (-0.21--0.15)
Lao People's Democratic Republic	12 (5-23)	0.2 (0.09-0.39)	12 (5-24)	0.16 (0.07-0.32)	-0.19 (-0.45-0.21)
Malaysia	28 (13-57)	0.13 (0.06-0.27)	34 (16-67)	0.12 (0.06-0.24)	-0.11 (-0.39-0.33)
Maldives	0 (0-1)	0.12 (0.05-0.23)	0 (0-1)	0.08 (0.04-0.16)	-0.29 (-0.38--0.17)
Mauritius	1 (1-2)	0.1 (0.05-0.2)	1 (0-2)	0.08 (0.04-0.16)	-0.22 (-0.32--0.13)
Myanmar	71 (33-143)	0.14 (0.07-0.28)	64 (31-125)	0.12 (0.06-0.24)	-0.15 (-0.35-0.07)
Philippines	60 (29-119)	0.08 (0.04-0.16)	88 (43-176)	0.08 (0.04-0.15)	-0.07 (-0.09--0.05)
Sri Lanka	11 (6-23)	0.07 (0.03-0.13)	11 (5-21)	0.05 (0.03-0.1)	-0.21 (-0.25--0.17)
Seychelles	0 (0-0)	0.11 (0.05-0.22)	0 (0-0)	0.1 (0.05-0.19)	-0.12 (-0.25-0)
Thailand	59 (28-116)	0.11 (0.05-0.21)	46 (23-90)	0.08 (0.04-0.15)	-0.27 (-0.34--0.19)
Timor-Leste	1 (1-3)	0.13 (0.06-0.26)	2 (1-3)	0.11 (0.05-0.21)	-0.21 (-0.39-0)
Viet Nam	140 (61-283)	0.17 (0.08-0.34)	88 (43-176)	0.11 (0.05-0.21)	-0.38 (-0.53--0.15)
Oceania	6 (3-12)	0.08 (0.04-0.15)	10 (5-20)	0.07 (0.03-0.13)	-0.13 (-0.25-0)
American Samoa	0 (0-0)	0.03 (0.02-0.06)	0 (0-0)	0.03 (0.01-0.05)	-0.18 (-0.23--0.12)

Cook Islands	0 (0-0)	0.04 (0.02-0.09)	0 (0-0)	0.04 (0.02-0.08)	-0.08 (-0.12--0.03)
Micronesia (Federated States of)	0 (0-0)	0.08 (0.04-0.17)	0 (0-0)	0.07 (0.04-0.14)	-0.13 (-0.22--0.05)
Fiji	0 (0-1)	0.06 (0.03-0.11)	0 (0-1)	0.06 (0.03-0.11)	-0.03 (-0.2-0.15)
Guam	0 (0-0)	0.04 (0.02-0.08)	0 (0-0)	0.03 (0.02-0.07)	-0.11 (-0.16--0.07)
Kiribati	0 (0-0)	0.09 (0.04-0.19)	0 (0-0)	0.09 (0.04-0.2)	-0.02 (-0.39-0.63)
Nauru	0 (0-0)	0.05 (0.03-0.11)	0 (0-0)	0.05 (0.02-0.1)	-0.05 (-0.09--0.01)
Niue	0 (0-0)	0.05 (0.02-0.1)	0 (0-0)	0.04 (0.02-0.09)	-0.07 (-0.11--0.03)
Marshall Islands	0 (0-0)	0.06 (0.03-0.12)	0 (0-0)	0.05 (0.03-0.1)	-0.11 (-0.15--0.08)
Northern Mariana Islands	0 (0-0)	0.05 (0.03-0.1)	0 (0-0)	0.04 (0.02-0.08)	-0.19 (-0.23--0.15)
Palau	0 (0-0)	0.04 (0.02-0.09)	0 (0-0)	0.04 (0.02-0.08)	-0.04 (-0.08-0.01)
Papua New Guinea	5 (2-10)	0.09 (0.04-0.17)	8 (4-17)	0.07 (0.03-0.14)	-0.2 (-0.33--0.05)
Samoa	0 (0-0)	0.03 (0.01-0.06)	0 (0-0)	0.03 (0.01-0.05)	-0.07 (-0.11--0.03)
Solomon Islands	0 (0-0)	0.03 (0.01-0.06)	0 (0-0)	0.04 (0.02-0.07)	0.19 (0.12-0.26)
Tokelau	0 (0-0)	0.05 (0.02-0.1)	0 (0-0)	0.04 (0.02-0.08)	-0.17 (-0.21--0.13)
Tonga	0 (0-0)	0.07 (0.03-0.13)	0 (0-0)	0.06 (0.03-0.12)	-0.06 (-0.1--0.02)
Tuvalu	0 (0-0)	0.05 (0.03-0.11)	0 (0-0)	0.05 (0.02-0.09)	-0.13 (-0.17--0.1)
Vanuatu	0 (0-0)	0.06 (0.03-0.12)	0 (0-0)	0.05 (0.03-0.1)	-0.1 (-0.14--0.06)
North Africa and Middle East	790 (391-1541)	0.26 (0.12-0.5)	1243 (607-2452)	0.22 (0.11-0.44)	-0.13 (-0.21--0.05)
Afghanistan	30 (14-59)	0.27 (0.13-0.54)	78 (37-155)	0.23 (0.11-0.47)	-0.15 (-0.27--0.03)
Algeria	41 (20-81)	0.19 (0.09-0.37)	64 (31-128)	0.16 (0.08-0.32)	-0.13 (-0.2--0.06)
Bahrain	1 (0-2)	0.2 (0.1-0.39)	2 (1-4)	0.17 (0.08-0.34)	-0.14 (-0.22--0.05)
Egypt	317 (151-625)	0.62 (0.3-1.21)	499 (240-979)	0.57 (0.27-1.13)	-0.07 (-0.25-0.17)
Iran (Islamic Republic of)	61 (30-121)	0.13 (0.06-0.26)	97 (48-195)	0.12 (0.06-0.24)	-0.05 (-0.08--0.02)
Iraq	25 (12-49)	0.16 (0.08-0.32)	47 (23-94)	0.13 (0.06-0.26)	-0.18 (-0.26--0.1)
Jordan	4 (2-9)	0.15 (0.07-0.29)	11 (6-23)	0.12 (0.06-0.24)	-0.19 (-0.26--0.12)
Kuwait	2 (1-4)	0.13 (0.06-0.26)	5 (2-9)	0.12 (0.06-0.24)	-0.06 (-0.14-0.02)
Lebanon	4 (2-7)	0.12 (0.06-0.24)	5 (3-11)	0.1 (0.05-0.21)	-0.14 (-0.2--0.07)
Libya	13 (6-27)	0.31 (0.15-0.63)	17 (8-33)	0.29 (0.14-0.56)	-0.08 (-0.25-0.14)
Morocco	54 (25-105)	0.24 (0.11-0.46)	71 (35-139)	0.21 (0.1-0.41)	-0.11 (-0.19--0.01)
Palestine	4 (2-8)	0.22 (0.11-0.44)	7 (4-15)	0.18 (0.09-0.36)	-0.17 (-0.25--0.06)
Oman	3 (2-7)	0.21 (0.1-0.41)	6 (3-12)	0.17 (0.08-0.34)	-0.16 (-0.23--0.09)
Qatar	1 (0-1)	0.21 (0.1-0.41)	4 (2-7)	0.18 (0.08-0.34)	-0.14 (-0.23--0.04)

Saudi Arabia	59 (28-115)	0.4 (0.19-0.79)	93 (45-182)	0.32 (0.15-0.62)	-0.2 (-0.36-0)
Sudan	45 (21-89)	0.24 (0.12-0.48)	66 (32-129)	0.19 (0.09-0.37)	-0.2 (-0.27--0.13)
Syrian Arab Republic	35 (16-70)	0.29 (0.13-0.57)	35 (17-70)	0.26 (0.12-0.52)	-0.09 (-0.25-0.1)
Tunisia	8 (4-16)	0.12 (0.06-0.23)	14 (7-28)	0.12 (0.06-0.24)	0.02 (-0.05-0.1)
Turkey	62 (29-122)	0.12 (0.06-0.24)	76 (37-150)	0.09 (0.05-0.18)	-0.24 (-0.3--0.17)
United Arab Emirates	2 (1-5)	0.17 (0.08-0.33)	12 (6-23)	0.15 (0.07-0.3)	-0.08 (-0.15--0.01)
Yemen	17 (8-34)	0.16 (0.08-0.33)	32 (16-63)	0.13 (0.06-0.26)	-0.2 (-0.28--0.1)
South Asia	1078 (518-2150)	0.1 (0.05-0.19)	1414 (678-2797)	0.09 (0.04-0.17)	-0.13 (-0.16--0.1)
Bangladesh	87 (41-170)	0.08 (0.04-0.16)	81 (40-159)	0.06 (0.03-0.11)	-0.33 (-0.36--0.29)
Bhutan	1 (0-1)	0.09 (0.04-0.17)	1 (0-1)	0.08 (0.04-0.16)	-0.05 (-0.1-0.02)
India	728 (356-1457)	0.09 (0.04-0.17)	958 (467-1898)	0.08 (0.04-0.15)	-0.13 (-0.15--0.11)
Nepal	12 (6-24)	0.07 (0.03-0.13)	15 (8-31)	0.06 (0.03-0.11)	-0.14 (-0.18--0.08)
Pakistan	250 (119-508)	0.19 (0.09-0.38)	359 (177-708)	0.16 (0.08-0.32)	-0.17 (-0.27--0.08)
Southern Sub-Saharan Africa	77 (37-154)	0.15 (0.07-0.3)	110 (53-218)	0.15 (0.07-0.29)	-0.04 (-0.06--0.02)
Botswana	2 (1-4)	0.17 (0.08-0.33)	3 (2-7)	0.15 (0.07-0.3)	-0.09 (-0.13--0.03)
Lesotho	3 (1-6)	0.17 (0.08-0.34)	4 (2-7)	0.18 (0.09-0.36)	0.06 (0-0.13)
Namibia	2 (1-4)	0.16 (0.07-0.31)	3 (2-6)	0.14 (0.07-0.28)	-0.08 (-0.13--0.04)
South Africa	52 (25-103)	0.15 (0.07-0.29)	73 (35-146)	0.14 (0.07-0.27)	-0.07 (-0.1--0.05)
Eswatini	1 (1-3)	0.16 (0.08-0.32)	2 (1-4)	0.17 (0.08-0.33)	0.04 (-0.02-0.1)
Zimbabwe	17 (8-33)	0.17 (0.08-0.33)	25 (12-51)	0.18 (0.09-0.35)	0.06 (0.01-0.11)
Western Sub-Saharan Africa	730 (348-1447)	0.32 (0.15-0.63)	1240 (588-2503)	0.25 (0.12-0.5)	-0.22 (-0.25--0.18)
Benin	21 (10-41)	0.33 (0.16-0.66)	41 (18-81)	0.27 (0.13-0.54)	-0.18 (-0.34-0.03)
Burkina Faso	38 (17-73)	0.32 (0.15-0.62)	71 (33-145)	0.27 (0.13-0.54)	-0.15 (-0.32-0.08)
Cameroon	45 (21-92)	0.35 (0.17-0.71)	72 (33-144)	0.23 (0.11-0.45)	-0.34 (-0.47--0.17)
Cabo Verde	1 (0-2)	0.23 (0.11-0.45)	1 (1-2)	0.2 (0.1-0.39)	-0.12 (-0.26-0.03)
Chad	22 (10-45)	0.3 (0.14-0.6)	63 (28-129)	0.3 (0.14-0.62)	0.02 (-0.19-0.31)
Cote d'Ivoire	38 (17-76)	0.27 (0.13-0.54)	61 (29-120)	0.22 (0.11-0.43)	-0.17 (-0.31--0.03)
Gambia	3 (1-5)	0.23 (0.11-0.46)	5 (2-10)	0.22 (0.11-0.43)	-0.06 (-0.2-0.07)
Ghana	66 (31-133)	0.36 (0.17-0.71)	88 (41-174)	0.27 (0.13-0.53)	-0.26 (-0.41--0.06)
Guinea	23 (10-46)	0.32 (0.15-0.63)	38 (18-79)	0.28 (0.13-0.56)	-0.12 (-0.28-0.09)
Guinea-Bissau	3 (1-6)	0.25 (0.12-0.49)	4 (2-8)	0.2 (0.1-0.39)	-0.2 (-0.32--0.08)
Liberia	6 (3-13)	0.28 (0.13-0.57)	11 (5-22)	0.23 (0.11-0.45)	-0.17 (-0.31--0.01)
Mali	36 (16-71)	0.34 (0.16-0.66)	69 (30-144)	0.27 (0.13-0.56)	-0.18 (-0.36-0.04)
Mauritania	6 (3-12)	0.26 (0.12-0.52)	8 (4-16)	0.2 (0.1-0.4)	-0.23 (-0.34--0.13)
Niger	31 (14-62)	0.3 (0.14-0.59)	75 (33-159)	0.26 (0.12-0.53)	-0.13 (-0.31-0.1)
Nigeria	356 (168-708)	0.34 (0.16-0.66)	571 (272-1140)	0.25 (0.12-0.49)	-0.26 (-0.3--0.23)

Sao Tome and Principe	0 (0-1)	0.26 (0.13-0.51)	0 (0-1)	0.21 (0.1-0.42)	-0.19 (-0.3--0.08)
Senegal	13 (6-25)	0.16 (0.08-0.31)	23 (11-47)	0.15 (0.07-0.3)	-0.02 (-0.09-0.06)
Sierra Leone	11 (5-23)	0.27 (0.13-0.54)	20 (9-40)	0.23 (0.11-0.46)	-0.16 (-0.3--0.02)
Togo	11 (5-23)	0.26 (0.12-0.52)	18 (9-36)	0.22 (0.11-0.44)	-0.16 (-0.31-0)
Eastern Sub-Saharan Africa	400 (193-789)	0.21 (0.1-0.41)	696 (336-1373)	0.18 (0.09-0.35)	-0.14 (-0.16--0.11)
Burundi	26 (12-52)	0.37 (0.18-0.71)	35 (15-71)	0.27 (0.12-0.54)	-0.28 (-0.45--0.05)
Comoros	1 (0-2)	0.19 (0.09-0.36)	1 (1-2)	0.16 (0.08-0.32)	-0.11 (-0.16--0.06)
Djibouti	1 (0-2)	0.18 (0.09-0.36)	2 (1-4)	0.16 (0.08-0.31)	-0.14 (-0.17--0.1)
Eritrea	6 (3-12)	0.2 (0.1-0.4)	12 (6-24)	0.19 (0.09-0.38)	-0.06 (-0.13-0.01)
Ethiopia	120 (59-237)	0.24 (0.12-0.47)	192 (94-383)	0.2 (0.1-0.39)	-0.18 (-0.21--0.16)
Kenya	34 (16-68)	0.15 (0.07-0.3)	62 (30-123)	0.14 (0.07-0.27)	-0.11 (-0.13--0.08)
Madagascar	14 (7-27)	0.12 (0.06-0.24)	31 (15-62)	0.13 (0.06-0.26)	0.06 (0.01-0.13)
Malawi	22 (10-43)	0.22 (0.11-0.45)	32 (15-63)	0.19 (0.09-0.37)	-0.17 (-0.22--0.1)
Mozambique	23 (11-46)	0.17 (0.08-0.33)	49 (23-96)	0.17 (0.08-0.33)	-0.01 (-0.05-0.03)
Rwanda	18 (9-36)	0.25 (0.12-0.5)	22 (11-44)	0.19 (0.09-0.38)	-0.24 (-0.29--0.18)
Somalia	17 (8-35)	0.23 (0.11-0.46)	46 (22-91)	0.22 (0.11-0.44)	-0.04 (-0.11-0.04)
South Sudan	11 (5-21)	0.19 (0.09-0.37)	15 (7-29)	0.17 (0.08-0.33)	-0.11 (-0.15--0.07)
United Republic of Tanzania	45 (22-90)	0.17 (0.09-0.34)	91 (44-178)	0.17 (0.08-0.33)	-0.05 (-0.1-0)
Uganda	45 (21-89)	0.24 (0.11-0.47)	75 (36-147)	0.19 (0.09-0.37)	-0.2 (-0.26--0.14)
Zambia	17 (8-34)	0.22 (0.1-0.42)	31 (15-61)	0.18 (0.09-0.36)	-0.14 (-0.2--0.09)
Central Sub-Saharan Africa	237 (111-479)	0.39 (0.19-0.77)	435 (205-877)	0.33 (0.15-0.65)	-0.16 (-0.27--0.03)
Angola	47 (21-98)	0.42 (0.19-0.83)	101 (48-198)	0.33 (0.16-0.65)	-0.21 (-0.35--0.03)
Central African Republic	10 (5-20)	0.34 (0.16-0.67)	18 (8-36)	0.32 (0.16-0.66)	-0.04 (-0.21-0.17)
Congo	9 (4-19)	0.37 (0.17-0.73)	15 (7-30)	0.29 (0.14-0.57)	-0.2 (-0.31--0.08)
Democratic Republic of the Congo	164 (73-327)	0.38 (0.19-0.77)	292 (133-602)	0.33 (0.15-0.66)	-0.14 (-0.3-0.05)
Equatorial Guinea	2 (1-4)	0.4 (0.19-0.82)	3 (2-7)	0.25 (0.12-0.49)	-0.38 (-0.47--0.29)
Gabon	5 (2-10)	0.44 (0.2-0.86)	6 (3-11)	0.33 (0.16-0.65)	-0.26 (-0.39--0.11)

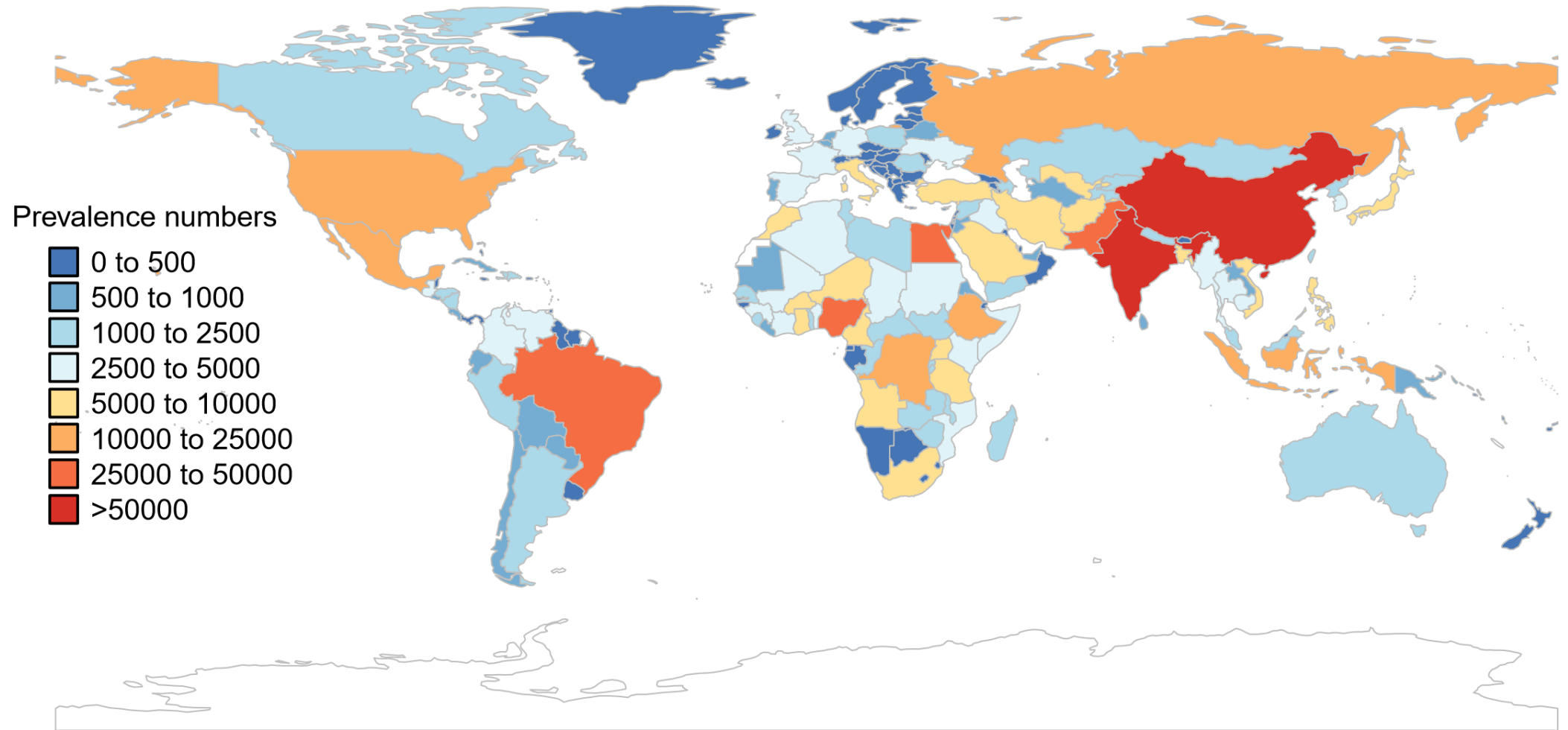


Fig S1: Prevalence numbers of acute hepatitis C in 2019, by country and territory.

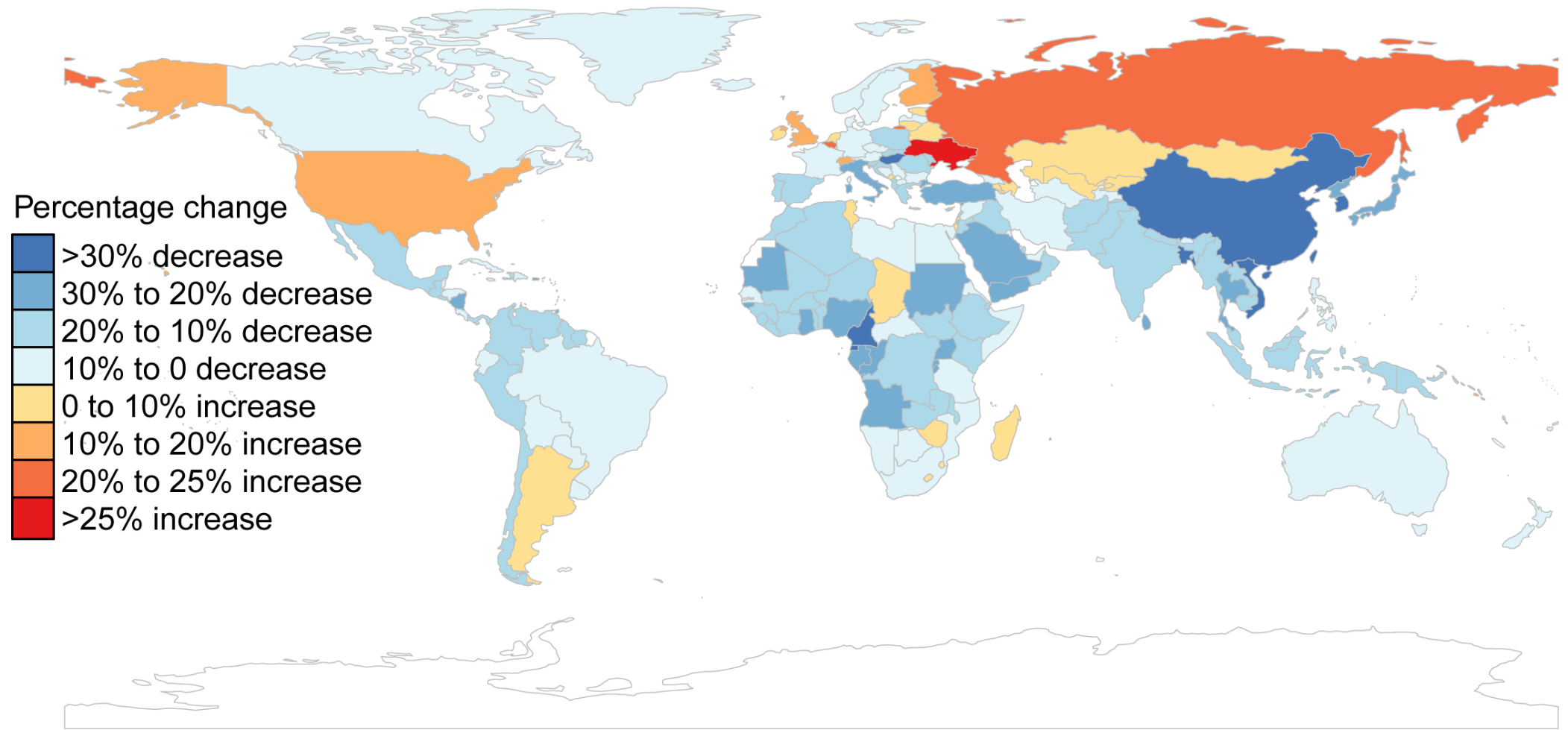


Fig S2: The relative percentage change of age-standardized prevalence rates of acute hepatitis C between 1990 and 2019, by country and territory.

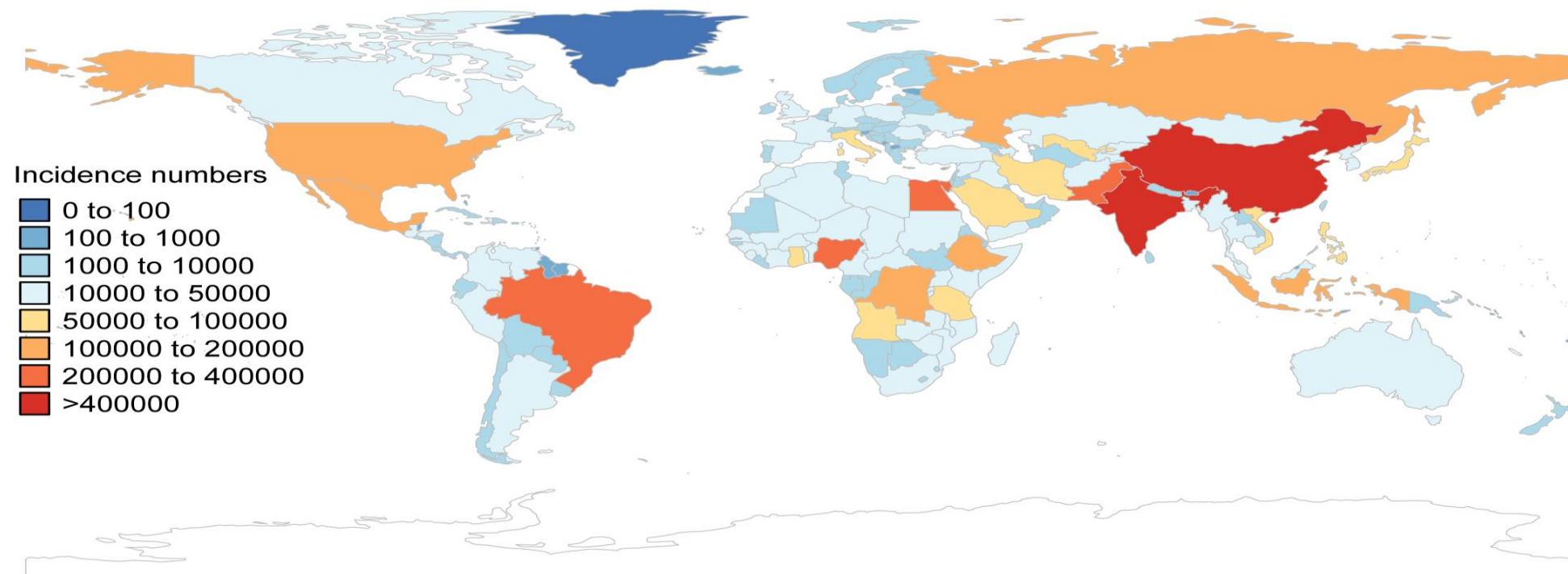


Fig S3: Incidence numbers of acute hepatitis C in 2019, by country and territory.

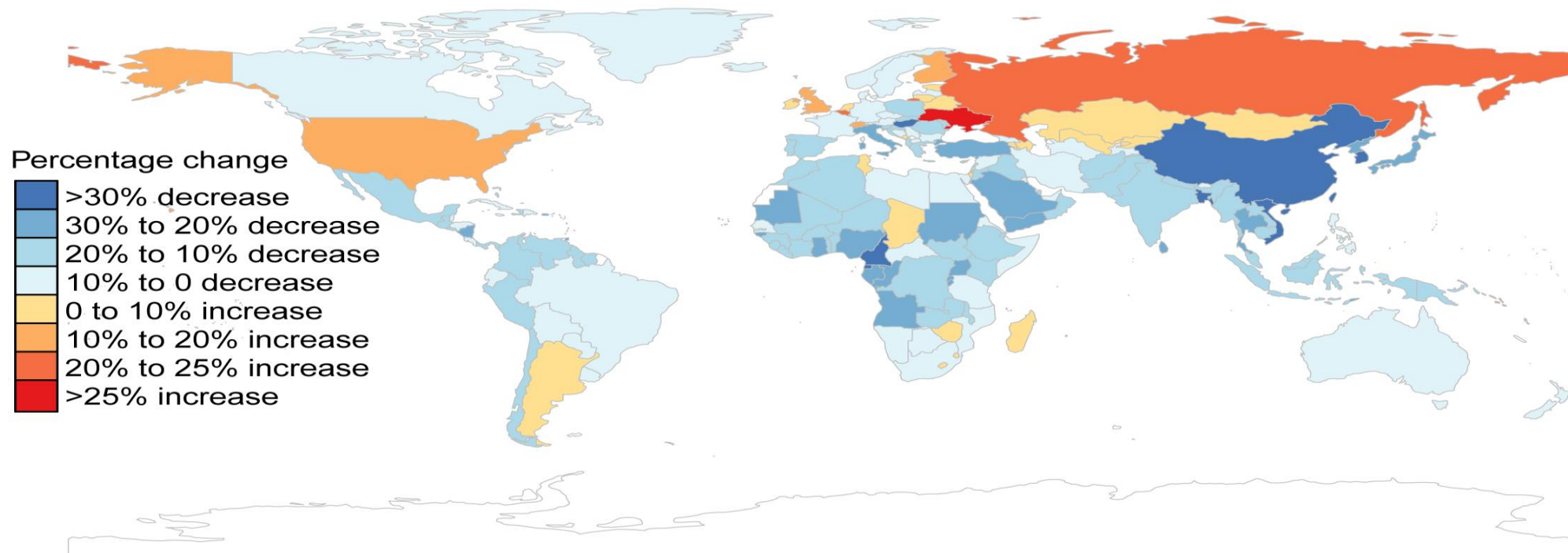


Fig S4: The relative percentage change of age-standardized incidence rates of acute hepatitis C between 1990 and 2019, by country and territory.

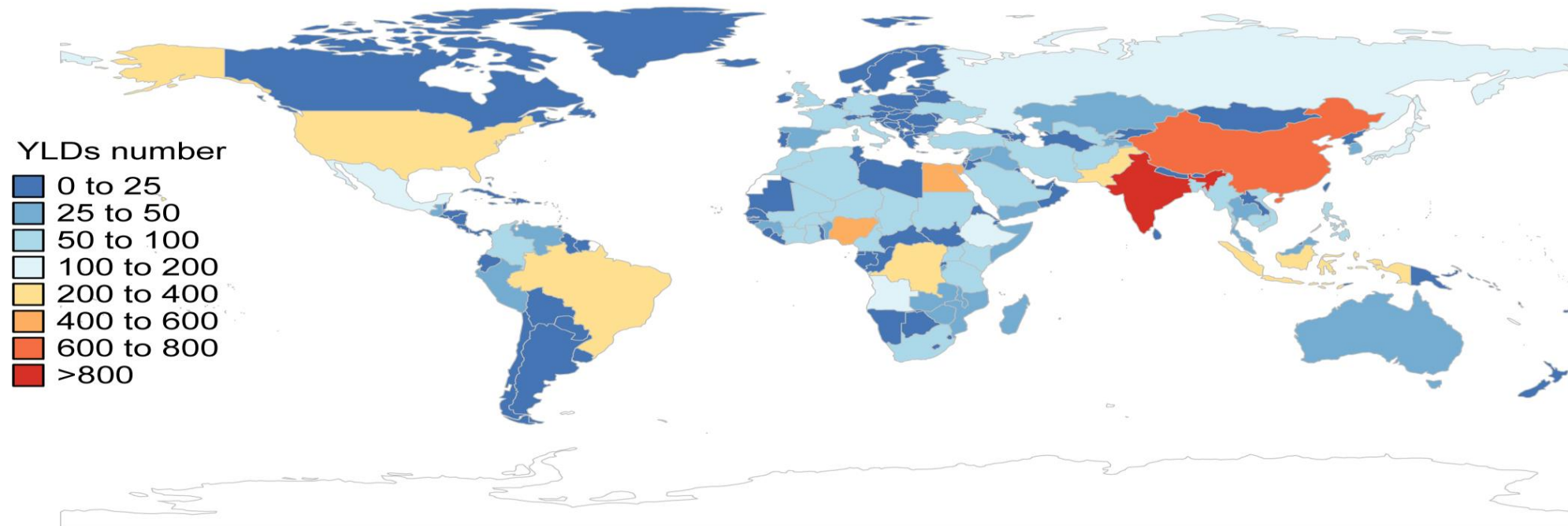


Fig S5: YLDs (Years lived with disability) numbers of acute hepatitis C in 2019, by country and territory.

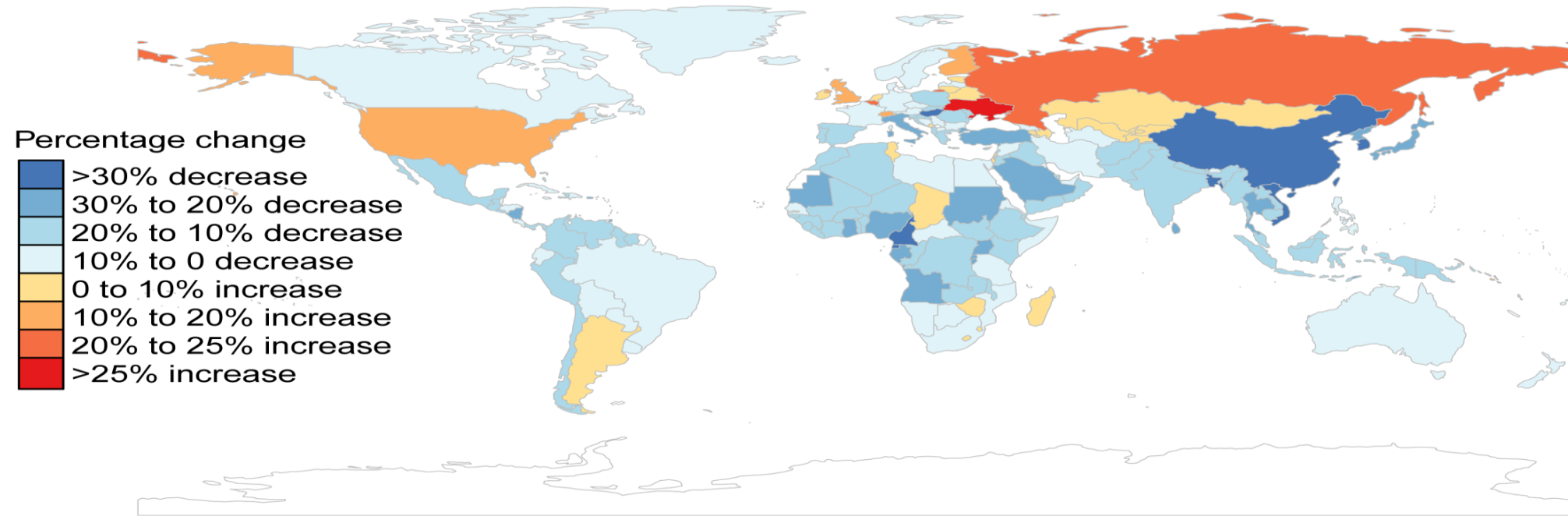


Fig S6: The relative percentage change of age-standardized YLDs rates of acute hepatitis C between 1990 and 2019, by country and territory.

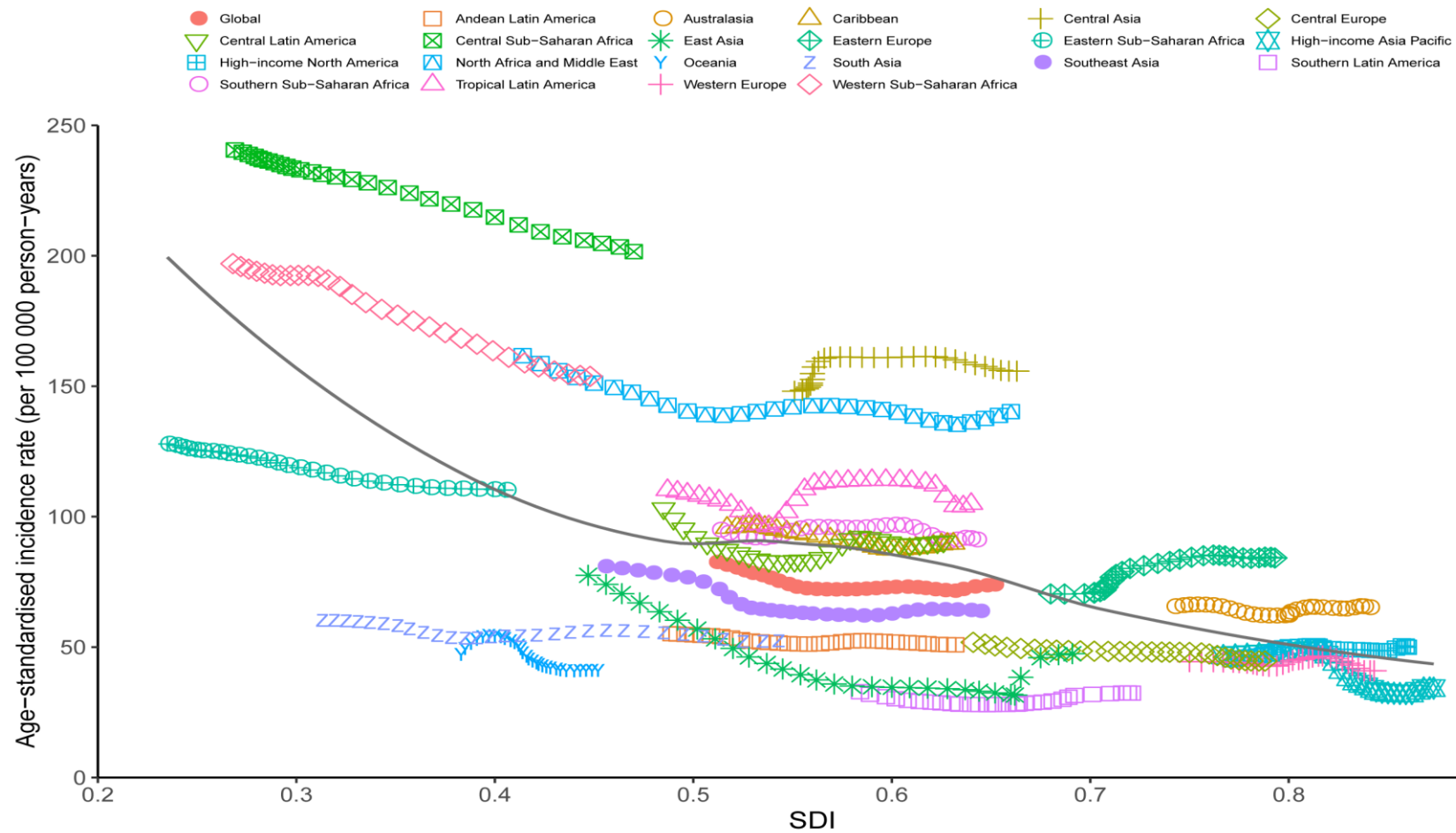


Fig S7: Age-standardized incidence rates for acute hepatitis C for 21 GBD regions by SDI, 1990–2019. Expected values based on Socio-demographic Index and disease rates in all locations are shown as the black line. GBD, Global Burden of Diseases, Injuries, and Risk Factors Study; SDI, sociodemographic index

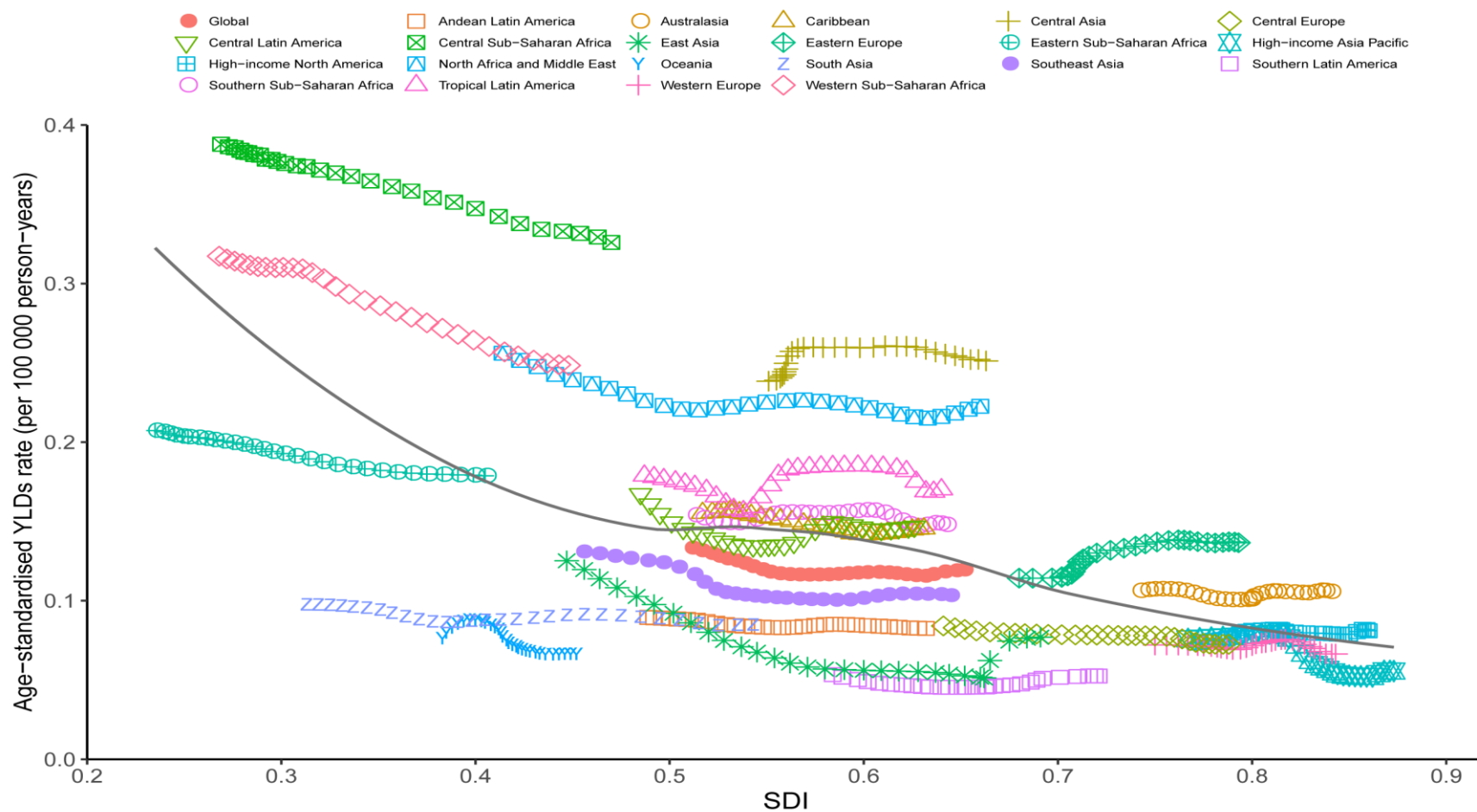


Fig S8: Age-standardized YLDs rates for acute hepatitis C for 21 GBD regions by SDI, 1990–2019. Expected values based on Socio-demographic Index and disease rates in all locations are shown as the black line. YLDs = years lived with disability. GBD, Global Burden of Diseases, Injuries, and Risk Factors Study; SDI, sociodemographic index

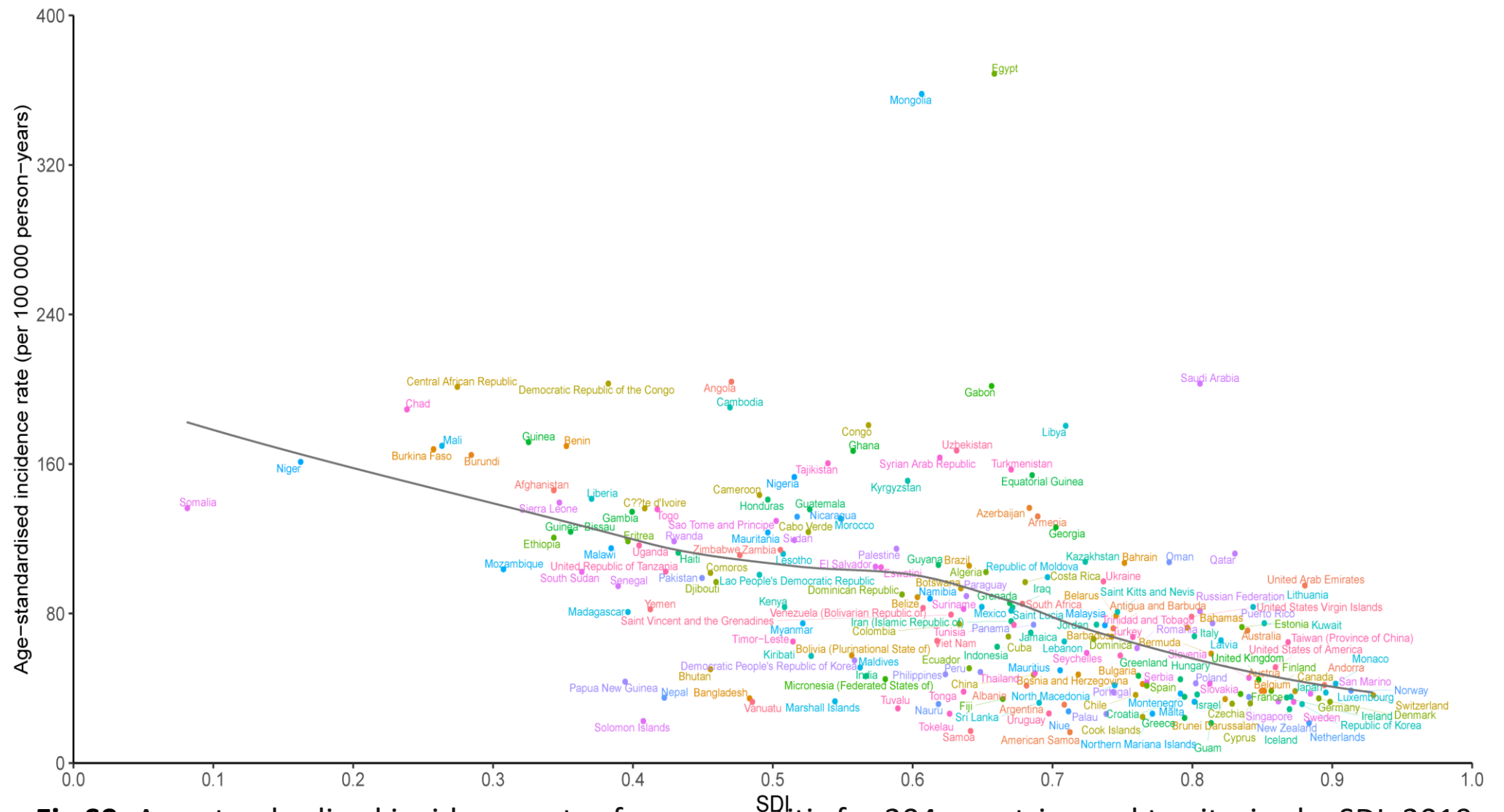


Fig S9: Age-standardized incidence rates for pancreatitis for 204 countries and territories by SDI, 2019. Expected values based on Socio-demographic. Index and disease rates in all locations are shown as the black line. SDI, sociodemographic index

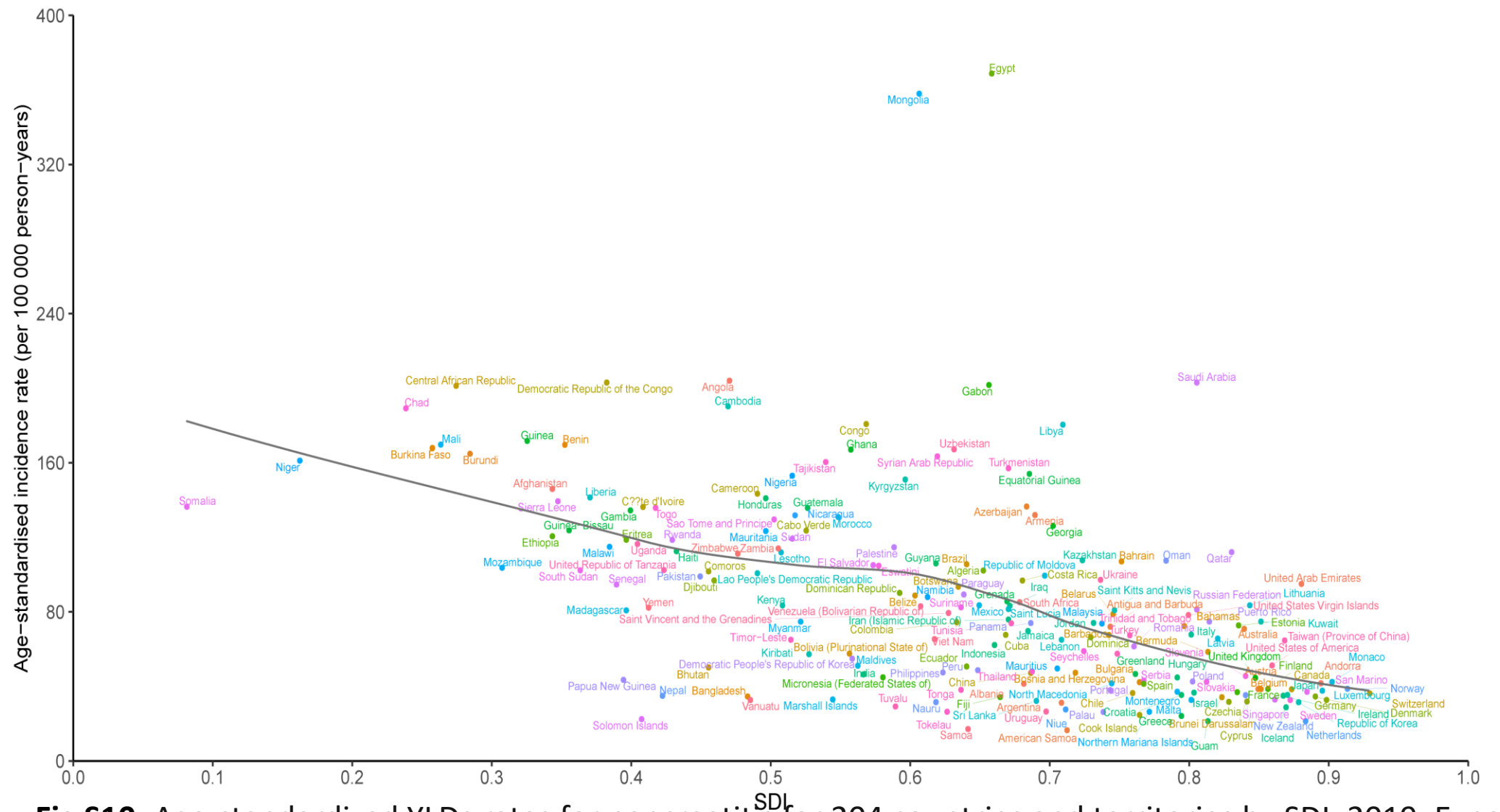


Fig S10: Age-standardized YLDs rates for pancreatitis for 204 countries and territories by SDI, 2019. Expected values based on Socio-demographic. Index and disease rates in all locations are shown as the black line. SDI, sociodemographic index. YLDs, years lived with disability