

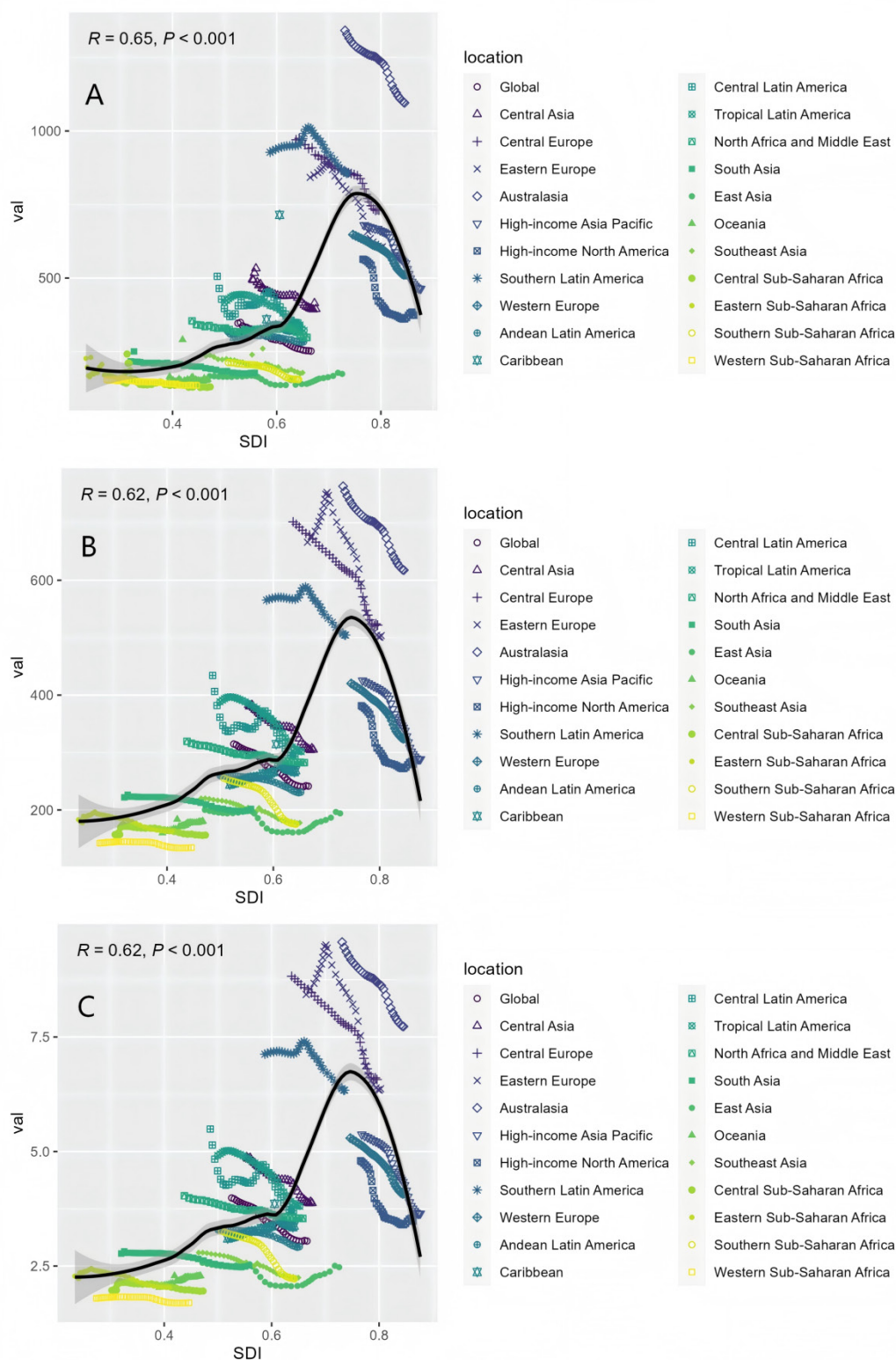


Figure S1 Association between SDI and age-standardized rates of hand fracture across 21 GBD regions, 2021. (A) SDI-ASIR, $R=0.65$; (B) SDI-ASPR, $R=0.62$; (C) SDI-ASYR, $R=0.62$; all $P<0.001$. ASIR, age-standardized incidence rate; ASPR, age-standardized prevalence rate; ASYR, age-standardized YLD rate; GBD, Global Burden of Disease; SDI, socio-demographic index; YLD, year lived with disability.

Table S1 Global burden of fracture of hands among 204 countries in 2021

Location	Incidence		Prevalence		YLDs	
	Number [95% UI]	ASIR [95% UI, in 100,000 population]	Number [95% UI]	ASPR [95% UI, in 100,000 population]	Number [95% UI]	ASYR (95% UI, in 100,000 population)
Afghanistan	170870 [117117–267035]	488.8 (338.26–763.46)	124298 [70400–253593]	631.31 (336.19–1355.75)	1499 [774–2818]	7.6 (3.67–14.85)
Albania	22341 [17226–29349]	921.31 (711.82–1209.01)	19547 [17833–21504]	586.86 (532.17–652.21)	248 [126–440]	7.4 (3.75–13.12)
Algeria	105938 [85989–129089]	237.97 (194.25–290.16)	91614 [84195–100424]	219.26 (202.2–238.95)	1166 [616–2047]	2.78 (1.47–4.88)
American Samoa	78 [63–96]	159.08 (129.51–195.56)	82 [74–90]	166.17 (151.67–182.63)	1 [1–2]	2.1 (1.13–3.66)
Andorra	478 [352–630]	616.19 (454.61–813.21)	519 [462–573]	419.1 (374.6–464.17)	7 [3–11]	5.26 (2.59–9.08)
Angola	43607 [35957–52556]	126.63 (104.77–150.41)	36731 [28001–55368]	190.72 (144.27–293.7)	457 [266–758]	2.37 (1.4–3.97)
Antigua and Barbuda	408 [308–544]	469.58 (356.92–627.29)	305 [276–334]	298.75 (269.26–328.52)	4 [2–7]	3.75 (1.93–6.72)
Argentina	361450 [261450–496354]	816.25 (591.32–1121.25)	242820 [218580–267587]	484.59 (435.44–536.46)	3066 [1563–5357]	6.1 (3.1–10.68)
Armenia	10159 [8086–12762]	376.43 (297.22–474.34)	10258 [9105–11983]	292.09 (256.29–344.93)	130 [74–221]	3.68 (2.11–6.24)
Australia	236575 [172245–317136]	1057.09 (763.48–1430.7)	192108 [174308–212377]	599.17 (535.94–671.96)	2418 [1238–4272]	7.5 (3.79–13.4)
Austria	45345 [33893–57642]	581.07 (430.16–756)	45996 [41925–50935]	365.97 (328.76–409.07)	582 [296–1017]	4.61 (2.31–8.1)
Azerbaijan	36935 [28961–46139]	358.93 (283.67–451.69)	29657 [26785–32912]	263.47 (237.84–292.06)	379 [200–673]	3.35 (1.76–5.93)
Bahamas	900 [719–1120]	239.11 (191.32–299.9)	860 [795–936]	205.43 (190.05–223.76)	11 [6–19]	2.61 (1.38–4.59)
Bahrain	3594 [2872–4382]	226.82 (182.49–276.85)	2891 [2503–3182]	184.86 (168.23–202.64)	37 [19–65]	2.34 (1.19–4.11)
Bangladesh	203265 [164917–256427]	119.76 (97.22–150.45)	170502 [1603165–190280]	108.86 (98.06–120.89)	2166 [1164–3776]	1.38 (0.74–2.4)
Barbados	636 [504–804]	247.9 (196.25–313.93)	698 [646–752]	180.02 (166.21–195.92)	9 [5–16]	2.28 (1.15–4.04)
Belarus	52425 [41668–64997]	616.57 (487.91–768.28)	63180 [56504–70215]	496.9 (444.25–551.13)	803 [414–1420]	6.29 (3.21–11.22)
Belgium	63021 [46359–82333]	603.06 (446.73–792.04)	65942 [59544–72544]	399.41 (359.47–444.62)	829 [422–1439]	5.01 (2.53–8.73)
Belize	1619 [1273–2096]	354.03 (280.03–454.24)	1068 [982–1157]	278.96 (257.75–300.29)	14 [7–24]	3.54 (1.86–6.15)
Benin	21023 [17240–25369]	144.37 (119.49–173.98)	11334 [10454–12245]	133.19 (124.4–142.36)	142 [73–249]	1.69 (0.87–2.96)
Bermuda	133 [104–168]	264.48 (206.92–337.15)	169 [156–182]	184.39 (168.41–200.16)	2 [1–4]	2.34 (1.21–4.06)
Bhutan	1723 [1378–2099]	225.88 (180.43–273.93)	1346 [1234–1477]	195.29 (179.69–214.62)	17 [9–30]	2.46 (1.3–4.35)
Bolivia (Plurinational State of)	32929 [26518–40352]	271.96 (219.19–333.33)	23196 [21194–25200]	218.79 (200.87–236.39)	293 [151–513]	2.76 (1.43–4.81)
Bosnia and Herzegovina	19528 [15034–25313]	705.11 (537.97–916.24)	23445 [20368–27882]	531.5 (459.08–635.96)	295 [161–520]	6.65 (3.62–11.74)
Botswana	4195 [3472–5050]	167.68 (138.76–201.43)	3480 [3232–3746]	168.55 (157.32–180.48)	44 [23–81]	2.13 (1.11–3.85)
Brazil	699625 [565254–871029]	322.02 (259.67–400.93)	741440 [676245–819033]	302.84 (276.34–335.78)	9388 [4946–16468]	3.82 (2.01–6.7)
Brunei Darussalam	2667 [2001–3454]	566.9 (422.52–737.67)	1687 [1532–1858]	373.04 (339.18–408.46)	21 [11–37]	4.7 (2.41–8.13)
Bulgaria	49335 [38200–63005]	870.03 (666.43–1117.72)	56085 [51085–61563]	588.59 (534.75–649.91)	712 [369–1239]	7.43 (3.78–13.13)
Burkina Faso	37170 [30683–44768]	150.66 (125.44–182.18)	20598 [18842–22397]	141.44 (131.74–150.86)	259 [136–454]	1.8 (0.93–3.14)
Burundi	19443 [16091–23543]	138.57 (115.24–166.66)	30521 [15948–62173]	337.55 (183.46–678.75)	375 [186–708]	4.16 (2.12–7.6)
Cabo Verde	875 [720–1063]	155.26 (127.62–188.34)	769 [711–824]	147.4 (136.92–157.59)	10 [5–17]	1.88 (0.96–3.28)
Cambodia	33700 [26623–42156]	193.93 (153.01–242.74)	38772 [29213–63667]	265.76 (202.54–432.42)	486 [264–862]	3.32 (1.81–5.88)
Cameroon	46599 [38353–55779]	138.07 (114.6–164.83)	27416 [25065–30271]	132.86 (123.4–143.33)	345 [186–593]	1.68 (0.9–2.92)
Canada	134778 [102570–171581]	361.64 (274.47–459.79)	139229 [128006–151947]	252.48 (231.17–274.99)	1749 [893–3008]	3.17 (1.6–5.41)
Central African Republic	11044 [8720–14368]	183.61 (148.3–234.85)	7166 [5961–9527]	180.3 (157.66–223.85)	89 [52–146]	2.25 (1.29–3.7)
Chad	31107 [25521–37320]	159.57 (133.23–192.26)	17026 [14576–21158]	169.97 (145.44–215.29)	211 [122–363]	2.13 (1.23–3.65)
Chile	164103 [119415–219900]	927.15 (675.56–1243)	116482 [104810–128497]	531.37 (474.31–591.72)	1468 [745–2565]	6.66 (3.35–11.59)
China	2425262 [1874966–3105172]	176.58 (137.64–226.77)	3669188 [3340155–4040350]	196.71 (180–215.75)	47043 [24767–83237]	2.51 (1.32–4.44)
Colombia	143696 [115086–178652]	310.11 (245.98–386.39)	137330 [124483–153722]	259.22 (234.41–290.62)	1748 [941–3071]	3.29 (1.76–5.79)
Comoros	1039 [851–1277]	137.27 (112.4–168.88)	798 [743–868]	130.05 (121.98–139.48)	10 [5–18]	1.64 (0.85–2.85)
Congo	6456 [5364–7769]	117.32 (97.23–140.36)	6636 [5173–9775]	159.87 (130.25–222.86)	83 [49–139]	2 (1.18–3.38)
Cook Islands	23 [18–30]	138.09 (107.32–176.43)	33 [30–36]	149.11 (136.75–165.09)	0 [0–1]	1.89 (1.01–3.4)
Costa Rica	13345 [10515–16714]	302.88 (236.94–384.58)	12432 [11438–13737]	238.58 (218.42–263.64)	158 [81–275]	3.01 (1.54–5.27)
Coted'Ivoire	41563 [34020–50422]	143.3 (118.26–173.32)	25623 [23721–27685]	140.52 (131.49–149.72)	324 [169–564]	1.78 (0.93–3.11)
Croatia	25129 [19783–31303]	665.12 (525.22–842.03)	33200 [30001–36474]	519.3 (469.24–576.37)	416 [217–705]	6.51 (3.35–11.11)
Cuba	34214 [27332–42489]	334.85 (265.34–416.96)	42209 [38508–46324]	265.41 (243.06–291.81)	533 [277–935]	3.34 (1.72–5.86)
Cyprus	7011 [5331–8901]	569.07 (430.12–728.28)	6127 [5589–6777]	361.7 (326.04–401.79)	78 [39–136]	4.56 (2.3–7.96)
Czechia	71161 [55184–90370]	782.41 (602.37–1006.35)	82420 [75547–90250]	548.45 (498.22–606.57)	1038 [527–1770]	6.89 (3.46–12.08)
Democratic People's Republic of Korea	27031 [22561–32151]	100.3 (84.13–119.5)	39282 [36599–41994]	123.28 (114.97–131.65)	509 [261–880]	1.59 (0.81–2.75)
Democratic Republic of the Congo	122456 [101219–146794]	128.78 (107.42–153.53)	86111 [74578–107455]	144.21 (128.32–174.27)	1076 [612–1871]	1.81 (1.02–3.15)
Denmark	24655 [18323–31655]	491.96 (362.74–649.27)	23830 [21698–26450]	303.1 (270.83–338.43)	302 [151–529]	3.82 (1.89–6.76)
Djibouti	1872 [1550–2271]	147.1 (122.4–178.69)	1352 [1232–1499]	140.27 (129.04–153.31)	17 [9–30]	1.78 (0.95–3.08)
Dominica	156 [125–194]	241.56 (194.01–300.91)	147 [135–158]	192.3 (177.37–207.8)	2 [1–3]	2.44 (1.27–4.29)
Dominican Republic	33131 [26537–41651]	294.31 (236.76–370.05)	25140 [23248–27140]	232.46 (215.33–250.59)	319 [160–557]	2.95 (1.48–5.14)
Ecuador	53592 [43502–65579]	289.81 (234.74–353.86)	43398 [40024–46812]	248.24 (229.18–267.51)	551 [287–988]	3.15 (1.65–5.64)
Egypt	227373 [184788–271592]	205.95 (169.09–244.73)	162608 [149573–178744]	190.4 (176.28–208.83)	2057 [1066–3615]	2.41 (1.25–4.23)
El Salvador	19497 [15579–24379]	297.97 (238.29–372.24)	23219 [18586–32059]	371.78 (295.19–519.45)	290 [169–499]	4.64 (2.71–7.98)
Equatorial Guinea	1859 [1509–2268]	116.69 (94.64–140.75)	1075 [993–1161]	114.25 (106.69–122.25)	14 [7–24]	1.44 (0.74–2.51)
Eritrea	10257 [8493–12472]	151.57 (125.65–183.77)	16161 [8952–32639]	379.38 (207.79–775.35)	197 [103–374]	4.62 (2.39–8.6)
Estonia	6101 [4834–7538]	537.65 (423.39–667.44)	7490 [6859–8274]	408.41 (369.4–450.08)	95 [49–168]	5.17 (2.63–9.3)
Eswatini	2254 [1886–2718]	180.9 (152.52–216.88)	1534 [1432–1650]	175.94 (165.45–187.71)	19 [10–34]	2.22 (1.14–3.91)
Ethiopia	189028 [149913–242244]	164.39 (132.89–208.19)	109818 [92144–149389]	155.64 (133.17–206.83)	1363 [772–2493]	1.94 (1.1–3.51)
Fiji	1108 [906–1360]	119.16 (97.43–145.93)	1019 [938–1103]	118.13 (109.58–127.24)	13 [7–23]	1.5 (0.77–2.66)
Finland	32001 [23669–41641]	669.21 (490.66–880.2)	34588 [31224–38575]	426.01 (381.18–482.44)	435 [223–765]	5.35 (2.65–9.54)
France	350850 [260369–452674]	582.38 (431.74–752.46)	358336 [324130–397086]	376.85 (339.08–422.02)	4497 [2299–7853]	4.73 (2.37–8.3)
Gabon	2427 [1983–2938]	131.07 (107.47–157.43)	1808 [1682–1943]	132.72 (123.9–141.67)	23 [12–41]	1.68 (0.86–3)
Gambia	3226 [2612–3930]	128.37 (105.27–155.3)	1836 [1671–2012]	121.59 (111.69–132.61)	23 [12–41]	1.53 (0.8–2.63)
Georgia	20305 [16238–25099]	640.12 (508.63–792.06)	20982 [19057–22910]	466.43 (420.08–512.87)	266 [139–454]	5.9 (3.09–10.12)
Germany	366364 [274665–472521]	507.44 (380.37–665.23)	399074 [361220–442193]	318.93 (286.58–358.84)	5029 [2564–8720]	4 (1.99–7.13)
Ghana	44935 [36848–54427]	126.12 (103.81–151.75)	28945 [26738–31277]	119.92 (111.37–128.48)	367 [184–643]	1.52 (0.78–2.63)
Greece	42908 [32944–54166]	521.7 (395.32–667.54)	48217 [44262–52939]	330 (298.34–367.9)	613 [311–1075]	4.17 (2.1–7.36)
Greenland	281 [214–353]	490.08 (375.47–618.45)	239 [217–262]	364.34 (331.57–398.75)	3 [2–5]	4.58 (2.32–7.99)
Grenada	374 [295–494]	364.81 (287.36–478.23)	306 [273–350]	268.69 (240.78–304.09)	4 [2–7]	3.38 (1.81–5.89)
Guam	203 [163–252]	133.2 (106.31–165.86)	265 [243–288]	141.91 (130.36–154.33)	3 [2–6]	1.82 (0.95–3.19)
Guatemala	79184 [62050–100256]	474.92 (373.7–598.83)	55514 [48948–65268]	415.13 (365.78–496.27)	693 [389–1208]	5.19 (2.95–9.09)
Guinea	21304 [17422–25810]	147.48 (121.74–177.54)	12364 [11450–13382]	141.94 (132.87–151.43)	155 [80–275]	1.8 (0.94–3.2)
Guinea-Bissau	3109 [2578–3732]	145.88 (120.54–174.82)	1932 [1785–2120]	154.47 (144.19–167.15)	24 [12–43]	1.96 (1.02–3.43)
Guyana	2439 [1991–2952]	310.29 (253.35–375.62)	1896 [1753–2032]	263.03 (243.97–281.94)	24 [12–42]	3.31 (1.73–5.81)
Haiti	52648 [41869–67254]	387.83 (310.32–493.67)	35071 [28984–48512]	331.95 (275.85–455.3)	436 [249–762]	4.13 (2.34–7.19)
Honduras	34210 [27378–43532]	323.79 (258.48–411.35)	23229 [21313–25479]	277.45 (256.09–302.07)	293 [155–499]	3.5 (1.87–6)
Hungary	56790 [44129–71685]	689.16 (526.54–892.56)	69107 [62841–76370]	496.39 (451.77–552.04)	872 [438–1507]	6.25 (3.11–10.86)
Iceland	1670 [1235–2149]	529.95 (390.85–691.01)	1432 [1303–1583]	329.15 (296.79–365.69)	18 [9–32]	4.16 (2.07–7.25)
India	2734108 [2153268–3471633]	191.54 (150.04–243.39)	2773819 [2528367–3088952]	219.33 (199.47–246.09)	34807 [18463–60787]	2.73 (1.46–4.73)
Indonesia	435443 [352728–531624]	157.27 (127.69–192.06)	393563 [361089–431694]	148.28 (136.64–162.01)	5017 [2709–8852]	1.87 (1.01–3.29)
Iran (Islamic Republic of)	221640 [176842–268544]	259.72 (209.06–314.62)	228189 [203991–264500]	257.22 (230.47–298.65)	2889 [1614–4951]	3.24 (1.8–5.55)
Iraq	184521 [146302–229651]	423.48 (335.82–525.1)	187239 [130746–309225]	545.8 (381.67–903.92)	2298 [1290–3837]	6.68 (3.75–11.07)
Ireland	23178 [17095–29912]	529.54 (389.47–690.89)	19680 [17774–21984]	325.81 (292.21–364.52)	250 [128–439]	4.11 (2.08–7.26)
Israel	44773 [34035–57679]	484.23 (367–623.42)	31230 [27938–34999]	304.56 (270.63–343.39)	394 [204–680]	3.84 (1.99–6.62)
Italy	253007 [190376–324895]	524.39 (390.13–683.25)	29			

Table S1 (continued)

Location	Incidence		Prevalence		YLDs	
	Number [95% UI]	ASIR [95% UI, in 100,000 population]	Number [95% UI]	ASPR [95% UI, in 100,000 population]	Number [95% UI]	ASYR (95% UI, in 100,000 population)
Mexico	443679 [352097–552115]	345.16 (273.64–431.56)	384413 [355819–423095]	291.67 (269.88–321.1)	4878 [2533–8670]	3.69 (1.92–6.54)
Micronesia (Federated States of)	161 [133–199]	152.42 (126.04–187.13)	156 [144–168]	176.36 (163.14–189.67)	2 [1–4]	2.25 (1.18–3.96)
Monaco	148 [111–190]	511.88 (379.38–666.48)	177 [162–195]	316.48 (283.59–353.6)	2 [1–4]	4 (2–7.1)
Mongolia	18562 [14710–22684]	541.47 (429.51–661.6)	12940 [11741–14081]	420.85 (383.05–457.31)	165 [84–297]	5.34 (2.75–9.6)
Montenegro	3997 [3118–5097]	720.24 (559.73–920.58)	3903 [3568–4299]	503.71 (458.8–558.08)	50 [25–88]	6.36 (3.22–11.31)
Morocco	104862 [85291–127722]	278.72 (226.89–339.25)	86327 [79841–93827]	234.5 (217.43–253.97)	1092 [569–1958]	2.96 (1.54–5.28)
Mozambique	47034 [38761–57143]	141.55 (117.6–169.85)	33412 [26483–47939]	188.84 (145.79–285.14)	413 [237–729]	2.34 (1.35–4.01)
Myanmar	141367 [113982–171218]	245.29 (198.13–296.55)	116304 [99856–141158]	216.71 (187.45–260.68)	1463 [849–2527]	2.72 (1.56–4.68)
Namibia	3955 [3270–4769]	154.69 (127.86–185.89)	3360 [2996–3913]	177.15 (158.36–209.08)	42 [23–72]	2.23 (1.26–3.79)
Nauru	19 [16–24]	169.94 (139.35–209.13)	16 [15–17]	195.42 (181.18–209.8)	0 [0–0]	2.48 (1.3–4.32)
Nepal	66901 [51974–87143]	206.06 (160.25–268.44)	60527 [52725–70618]	225.94 (197.11–261.9)	760 [423–1333]	2.83 (1.57–4.94)
Netherlands	68378 [50950–87355]	434.72 (321.51–566.3)	69801 [63445–76198]	281.49 (255.57–309.34)	881 [458–1552]	3.54 (1.82–6.32)
New Zealand	58555 [42828–78442]	1280.99 (943.25–1697.94)	44089 [39864–48711]	709.58 (635.16–793.94)	554 [284–965]	8.87 (4.49–15.49)
Nicaragua	18600 [14576–23584]	271.42 (213.26–343.13)	17990 [13357–28183]	307.41 (226–488.39)	223 [129–376]	3.79 (2.2–6.43)
Niger	40973 [33894–49602]	148.36 (123.97–178.67)	20438 [18580–22385]	142.02 (130.88–152.19)	256 [136–440]	1.8 (0.96–3.07)
Nigeria	315696 [260083–384780]	127.49 (105.69–153.98)	188750 [172400–205725]	127.38 (117.5–136.36)	2374 [1237–4089]	1.61 (0.85–2.76)
Niue	2 [2–3]	140.17 (113.27–175.66)	3 [3–3]	146.5 (134.77–159)	0 [0–0]	1.87 (0.97–3.38)
North Macedonia	13968 [10915–18130]	715.52 (557.3–932.76)	12970 [11789–14324]	475.48 (430.96–529.77)	165 [84–288]	5.98 (3.02–10.53)
Northern Mariana Islands	92 [74–114]	194.79 (157.67–241.75)	105 [96–115]	201.87 (185.73–220.41)	1 [1–2]	2.56 (1.34–4.5)
Norway	24827 [18673–31871]	498.39 (370.57–649.24)	23287 [21110–25685]	316.4 (285.65–350.73)	293 [150–505]	3.97 (2.04–6.88)
Oman	14343 [11497–17297]	293.87 (238.62–356.14)	10989 [10033–12037]	275.36 (253.85–299.49)	141 [71–250]	3.49 (1.8–6.14)
Pakistan	299518 [250661–361340]	121.33 (101.7–145.27)	237064 [209525–278446]	130.51 (117.84–148.4)	2985 [1722–5155]	1.64 (0.92–2.82)
Palau	44 [36–55]	252.63 (203.93–318.38)	56 [51–61]	257.14 (234.83–280.76)	1 [0–1]	3.26 (1.66–5.73)
Palestine	13778 [11243–16879]	241.7 (197.43–296.09)	14966 [9810–25788]	371.28 (247.09–637.74)	185 [104–306]	4.58 (2.6–7.59)
Panama	12669 [10064–16052]	299.13 (236.43–378.92)	10045 [9182–11206]	229.26 (209.69–256.03)	127 [67–224]	2.9 (1.53–5.12)
Papua New Guinea	17021 [13779–21103]	158.87 (128.96–196.05)	13904 [12567–15091]	191.11 (175.4–206.75)	177 [91–312]	2.42 (1.25–4.25)
Paraguay	22945 [18442–28264]	306.4 (245.84–377.1)	16844 [15371–18650]	250.05 (228.97–275.63)	213 [107–375]	3.16 (1.6–5.59)
Peru	105052 [83577–129405]	283.51 (226.39–348.66)	81554 [73614–91720]	226.16 (204.34–253.95)	1033 [554–1799]	2.86 (1.54–4.97)
Philippines	172810 [142450–210336]	147.55 (121.41–178.87)	161927 [144346–186415]	162.71 (146.6–186.2)	2056 [1153–3542]	2.06 (1.16–3.55)
Poland	228971 [177877–289650]	662 (508.48–847.97)	261572 [237937–287194]	487.36 (440.9–535.68)	3306 [1709–5735]	6.14 (3.16–10.81)
Portugal	34855 [26642–44187]	394.47 (299.85–510.81)	40664 [37085–44245]	257.74 (233.9–282.93)	516 [271–913]	3.25 (1.69–5.77)
Puerto Rico	8566 [6905–10611]	306.92 (244.93–385.27)	12041 [11024–13106]	245.93 (225.77–269.16)	152 [81–275]	3.11 (1.67–5.53)
Qatar	11645 [9129–14359]	333.34 (266.31–409.71)	8173 [7247–9242]	274.27 (247.87–301.43)	105 [52–184]	3.47 (1.74–5.98)
Republic of Korea	256506 [192995–323544]	530.76 (395.33–685.86)	254574 [231777–277522]	344.02 (311.34–378.33)	3235 [1655–5721]	4.33 (2.23–7.55)
Republic of Moldova	14070 [11178–17242]	444.22 (354.73–550.15)	16580 [15239–18128]	346.88 (318.33–378.89)	212 [110–380]	4.4 (2.27–7.96)
Romania	127681 [99226–161302]	772.85 (592.69–985.37)	142246 [128821–156688]	541.63 (493.42–597.76)	1809 [920–3212]	6.85 (3.46–12.26)
Russian Federation	816928 [651067–1010782]	604.66 (484.68–747.08)	972204 [880648–1066098]	504.07 (457.77–551.25)	12332 [6432–21673]	6.37 (3.3–11.25)
Rwanda	17187 [14017–20923]	123.13 (100.95–148.45)	30076 [15958–62332]	318.62 (171.07–654.17)	369 [187–708]	3.9 (1.99–7.49)
Saint Kitts and Nevis	228 [177–291]	405.93 (312.36–517.53)	197 [180–214]	288.25 (261.97–313.46)	3 [1–4]	3.64 (1.84–6.46)
Saint Lucia	501 [392–643]	301.45 (235.52–384.22)	478 [442–517]	222.79 (204.7–241.78)	6 [3–11]	2.82 (1.41–4.98)
Saint Vincent and the Grenadines	349 [273–439]	315.46 (246.54–397)	317 [292–344]	243.43 (223.91–264.87)	4 [2–7]	3.08 (1.59–5.32)
Samoa	304 [248–376]	141.89 (115.79–174.94)	269 [246–294]	159.4 (145.98–173.12)	3 [2–6]	2.02 (1.08–3.57)
San Marino	150 [113–192]	560.73 (423.02–727.64)	163 [148–180]	344.31 (308.55–383.86)	2 [1–4]	4.34 (2.22–7.61)
Sao Tome and Principe	422 [342–520]	187.62 (152.93–230.56)	265 [241–289]	167.64 (153.28–182.35)	3 [2–6]	2.13 (1.1–3.68)
Saudi Arabia	259389 [207372–322853]	600.73 (481.73–738.74)	197708 [174449–221368]	567.81 (506.34–628.16)	2516 [1239–4534]	7.14 (3.57–12.64)
Senegal	21375 [17254–26097]	127.9 (103.94–154.2)	12849 [11762–13958]	117.23 (108.62–126.18)	162 [83–277]	1.48 (0.75–2.52)
Serbia	53907 [41479–68670]	686.68 (521.39–881.46)	57104 [51773–63301]	478.82 (433.11–536.07)	723 [375–1277]	6.03 (3.1–10.69)
Seychelles	169 [137–205]	163.14 (131.97–198.4)	178 [164–192]	150.25 (139–162.34)	2 [1–4]	1.91 (1–3.35)
Sierra Leone	12220 [10006–14783]	128.4 (105.39–153.94)	9637 [7586–13651]	159.48 (127.73–224.31)	120 [73–203]	2 (1.19–3.33)
Singapore	25775 [18822–34153]	523.53 (383.28–702.79)	23218 [20963–25602]	317.84 (284.5–353.72)	299 [154–522]	4.03 (2.06–7.1)
Slovakia	41383 [32051–52638]	842.27 (647.53–1079.68)	44194 [40009–48688]	598.51 (541.33–662.63)	560 [286–988]	7.54 (3.84–13.29)
Slovenia	16937 [13054–21544]	927.19 (714.52–1194.03)	20628 [18811–22523]	658.97 (599.04–727.15)	259 [132–443]	8.29 (4.2–14.4)
Solomon Islands	1406 [1126–1782]	207.86 (166.48–263.65)	1144 [1047–1243]	247.83 (226.85–270.73)	15 [7–25]	3.14 (1.62–5.41)
Solomon Islands	1406 [1126–1782]	207.86 (166.48–263.65)	1144 [1047–1243]	247.83 (226.85–270.73)	15 [7–25]	3.14 (1.62–5.41)
Solomon Islands	1406 [1126–1782]	207.86 (166.48–263.65)	1144 [1047–1243]	247.83 (226.85–270.73)	15 [7–25]	3.14 (1.62–5.41)
Solomon Islands	1406 [1126–1782]	207.86 (166.48–263.65)	1144 [1047–1243]	247.83 (226.85–270.73)	15 [7–25]	3.14 (1.62–5.41)
Somalia	41798 [34255–51535]	180.75 (150.41–218.81)	26306 [20096–39024]	196.25 (156.2–287.13)	326 [189–573]	2.45 (1.4–4.36)
South Africa	93835 [78830–112986]	158.63 (132.8–191.14)	99919 [92502–107167]	181.91 (168.91–194.64)	1270 [658–2234]	2.3 (1.2–4.05)
South Sudan	17496 [14431–21201]	166.97 (138.23–204.71)	12742 [9634–19234]	191.09 (149.41–277.85)	157 [93–288]	2.37 (1.4–4.03)
Spain	184074 [137093–236485]	495.65 (361.53–646.7)	197908 [179020–221384]	308.68 (275.88–348.83)	2514 [1305–4441]	3.9 (1.97–7.04)
Sri Lanka	49436 [39558–60513]	223.31 (178.81–273.46)	74769 [58501–107400]	300.84 (234.3–435.73)	936 [556–1606]	3.76 (2.23–6.41)
Sudan	110506 [90232–133137]	234.65 (191.48–279.64)	76073 [64816–94824]	239.47 (207.89–293.58)	953 [535–1667]	3.01 (1.69–5.22)
Suriname	1454 [1163–1820]	255.85 (205.21–321.22)	1302 [1194–1481]	209.9 (192.77–237.18)	17 [9–29]	2.65 (1.38–4.69)
Sweden	45497 [34081–58788]	492.52 (365.11–645.52)	44309 [40005–48632]	306.98 (277.35–341.08)	558 [288–958]	3.86 (1.98–6.71)
Switzerland	50850 [37849–65605]	657.68 (485.05–858.92)	50712 [46131–55990]	405.48 (365.62–454.76)	639 [321–1109]	5.09 (2.56–8.92)
Syrian Arab Republic	33261 [26486–41694]	232.62 (185.03–292.51)	56980 [33824–106250]	439.25 (251.35–848.12)	708 [378–1243]	5.44 (2.86–9.65)
Taiwan (Province of China)	23729 [18840–29622]	100.68 (80.13–125.72)	42514 [38902–46191]	118.81 (109.45–128.27)	545 [291–960]	1.52 (0.8–2.7)
Tajikistan	34049 [26842–41899]	313.55 (248.43–386.26)	23324 [19977–28403]	275.23 (237.44–335.04)	295 [168–498]	3.49 (2.01–5.91)
Thailand	126500 [103347–153562]	200.23 (163.81–243.48)	181036 [166969–196084]	196.41 (181.76–212.44)	2320 [1234–4122]	2.51 (1.34–4.41)
Timor-Leste	2259 [1864–2730]	155.79 (128.47–187.17)	3186 [1929–5891]	322.26 (191.55–608.81)	39 [21–69]	3.96 (2.12–7.1)
Togo	11361 [9348–13638]	131.06 (108.48–156.69)	7507 [6990–8048]	130.55 (122.13–139.49)	95 [48–168]	1.66 (0.84–2.91)
Tokelau	2 [1–2]	129.53 (104.57–162.13)	2 [2–2]	134.59 (124.41–145.18)	0 [0–0]	1.71 (0.88–3.04)
Tonga	115 [93–144]	106.26 (85.65–131.67)	92 [86–100]	103.76 (96.61–111.89)	1 [1–2]	1.32 (0.67–2.33)
Trinidad and Tobago	3135 [2542–3847]	249.41 (200.64–307.58)	3413 [3136–3744]	206.35 (189.06–227.53)	43 [23–75]	2.61 (1.36–4.5)
Tunisia	36787 [29121–44925]	316.4 (248.67–386.28)	32366 [29808–35253]	247.36 (227.87–269.53)	410 [210–712]	3.12 (1.6–5.41)
Turkey	184630 [147815–228424]	226.1 (181.9–280.26)	171722 [156223–188115]	188.1 (171.62–205.61)	2182 [1130–3794]	2.38 (1.22–4.14)
Turkmenistan	21169 [16342–26500]	395.89 (305.67–495.39)	13508 [12189–14879]	274.54 (249.54–301.15)	172 [89–298]	3.5 (1.81–6.06)
Tuvalu	18 [15–22]	143.51 (118.22–176.57)	18 [17–20]	162.18 (150.77–174.07)	0 [0–0]	2.07 (1.08–3.67)
Uganda	59458 [48671–72614]	125.34 (104.21–151.77)	40159 [32438–55238]	163.41 (129.03–238.5)	500 [287–877]	2.04 (1.18–3.51)
Ukraine	242779 [193950–298066]	631.38 (507.67–778.38)	311806 [281223–343810]	525.33 (473.83–579.93)	3972 [2091–7037]	6.66 (3.44–11.89)
United Arab Emirates	34984 [27818–42713]	330.7 (266.38–399.37)	34447 [30510–38758]	307.32 (278.44–338.27)	446 [218–814]	3.9 (1.98–7.17)
United Kingdom	260558 [194548–333901]	435.67 (322.92–570.27)	250965 [227402–277817]	275.81 (248.4–307.63)	3165 [1658–5509]	3.46 (1.78–6.07)
United Republic of Tanzania	83693 [67853–102890]	132.31 (108.97–160.24)	48937 [44944–52961]	123.42 (114.55–132.41)	619 [302–1065]	1.57 (0.79–2.71)
United States of America	1261270 [981602–1576937]	374.59 (292.75–469.07)	1318350 [1209016–1433701]	282.71 (260–305.31)	16389 [8619–27923]	3.52 (1.83–6.03)
United States Virgin Islands	202 [161–253]	272.9 (215.07–349.18)	273 [253–293]	214.86 (198.68–233.48)	3 [2–6]	2.71 (1.4–4.75)
Uruguay	33197 [24163–45078]	1033.79 (746.99–1400.04)	25044 [22780–27411]	605.34 (546.57–668.53)	316 [159–547]	7.6 (3.81–13.21)
Uzbekistan	121723 [97578–149245]	348.02 (279.55–428.98)	84366 [77278–92052]	259.81 (240.38–283.1)	1078 [542–1943]	3.31 (1.68–5.93)
Vanuatu	415 [341–505]	129.54 (106.9–156.73)	325 [302–352]	138.85 (128.99–149.62)	4 [2–8]	1.78 (0.92–3.2)
Venezuela (Bolivarian Republic of)	105648 [83731–133867]	422.47 (333.48–536.72)	95186 [87939–104154]	331.38 (305.4–363.7)	1214 [638–2133]	4.21 (2.2–7.39)

Table S2 Global burden of fracture of hands in 2021 regarding age and sex

Age (years)	Sex	Incidence		Prevalence		YLDs	
		Number [95% UI]	Rate [95% UI, in 100,000 population]	Number [95% UI]	Rate [95% UI, in 100,000 population]	Number [95% UI]	Rate (95% UI, in 100,000 population)
0 to 4	Both	1248333 [987771–1582913]	189.67 (150.08–240.5)	168802 [130577–219226]	25.65 (19.84–33.31)	1791 [799–3270]	0.27 (0.12–0.5)
	Female	518227 [400013–670514]	162.87 (125.71–210.73)	71305 [54651–93771]	22.41 (17.18–29.47)	761 [339–1414]	0.24 (0.11–0.44)
	Male	730106 [580601–923544]	214.75 (170.78–271.65)	97496 [75315–125499]	28.68 (22.15–36.91)	1030 [462–1843]	0.3 (0.14–0.54)
5 to 9	Both	1609032 [1179328–2201008]	234.19 (171.65–320.35)	282214 [220366–358110]	41.08 (32.07–52.12)	3177 [1538–5833]	0.46 (0.22–0.85)
	Female	637076 [450137–900030]	191.56 (135.35–270.62)	115768 [90383–149578]	34.81 (27.18–44.98)	1315 [625–2522]	0.4 (0.19–0.76)
	Male	971956 [714868–1301426]	274.19 (201.67–367.14)	166445 [130014–211238]	46.96 (36.68–59.59)	1862 [905–3394]	0.53 (0.26–0.96)
10 to 14	Both	1745086 [1282590–2388294]	261.77 (192.4–358.26)	395174 [322589–479882]	59.28 (48.39–71.99)	4645 [2356–8332]	0.7 (0.35–1.25)
	Female	651628 [451606–933061]	201.79 (139.85–288.94)	157605 [128336–192855]	48.81 (39.74–59.72)	1870 [946–3374]	0.58 (0.29–1.04)
	Male	1093458 [811939–1504560]	318.13 (236.23–437.74)	237569 [192407–289724]	69.12 (55.98–84.29)	2775 [1403–4984]	0.81 (0.41–1.45)
15 to 19	Both	1971255 [1518809–2557161]	315.92 (243.41–409.81)	545459 [465616–636776]	87.42 (74.62–102.05)	6587 [3424–11211]	1.06 (0.55–1.8)
	Female	593286 [422712–814550]	195.38 (139.21–268.25)	194990 [164792–230709]	64.22 (54.27–75.98)	2398 [1214–4233]	0.79 (0.4–1.39)
	Male	1377969 [1079433–1749144]	430.17 (336.98–546.04)	350468 [297839–409437]	109.41 (92.98–127.82)	4189 [2186–7111]	1.31 (0.68–2.22)
20 to 24	Both	2034163 [1564775–2652817]	340.64 (262.04–444.24)	732694 [633607–844472]	122.7 (106.1–141.42)	9057 [4776–15575]	1.52 (0.8–2.61)
	Female	548065 [388649–797601]	186.57 (132.31–271.52)	242112 [209317–281289]	82.42 (71.26–95.76)	3039 [1573–5425]	1.03 (0.54–1.85)
	Male	1486098 [1150697–1881778]	489.8 (379.26–620.22)	490583 [419289–572400]	161.69 (138.19–188.66)	6018 [3243–10424]	1.98 (1.07–3.44)
25 to 29	Both	1828787 [1359296–2378730]	310.84 (231.04–404.31)	922185 [807918–1041507]	156.74 (137.32–177.02)	11669 [6142–20521]	1.98 (1.04–3.49)
	Female	475373 [333071–672469]	163.37 (114.46–231.1)	295919 [257929–338105]	101.69 (88.64–116.19)	3773 [1931–6777]	1.3 (0.66–2.33)
	Male	1353414 [1016920–1720742]	455.15 (341.99–578.68)	626266 [542389–711185]	210.61 (182.4–239.17)	7896 [4157–13818]	2.66 (1.4–4.65)
30 to 34	Both	1733305 [1265377–2210550]	286.74 (209.33–365.69)	1167849 [1034673–1309218]	193.2 (171.17–216.59)	14997 [7907–26341]	2.48 (1.31–4.36)
	Female	450871 [307493–635818]	150.83 (102.86–212.7)	370481 [326953–415549]	123.94 (109.37–139.01)	4775 [2475–8482]	1.6 (0.83–2.84)
	Male	1282434 [955016–1628797]	419.71 (312.56–533.07)	797368 [702852–903033]	260.96 (230.03–295.54)	10222 [5459–17897]	3.35 (1.79–5.86)
35 to 39	Both	1506350 [1096083–1973167]	268.58 (195.43–351.81)	1344210 [1199381–1507026]	239.67 (213.84–268.7)	17402 [9108–30820]	3.1 (1.62–5.5)
	Female	395144 [271740–552591]	142.24 (97.82–198.91)	417035 [370154–472801]	150.12 (133.24–170.19)	5397 [2779–9649]	1.94 (1–3.47)
	Male	1111206 [822053–1447849]	392.56 (290.41–511.49)	927175 [825477–1043455]	327.55 (291.62–368.63)	12005 [6369–21202]	4.24 (2.25–7.49)
40 to 44	Both	1190309 [896637–1575362]	237.94 (179.24–314.91)	1441815 [1289580–1624778]	288.22 (257.79–324.79)	18746 [9829–33506]	3.75 (1.96–6.7)
	Female	321910 [230959–438852]	129.76 (93.09–176.89)	442619 [393469–496278]	178.41 (158.6–200.04)	5735 [3028–10181]	2.31 (1.22–4.1)
	Male	868400 [664981–1135338]	344.38 (263.71–450.24)	999196 [894141–1125365]	396.25 (354.59–446.29)	13011 [6849–23411]	5.16 (2.72–9.28)
45 to 49	Both	1027229 [773169–1359990]	216.94 (163.29–287.22)	1585841 [1426364–1777348]	334.92 (301.24–375.36)	20646 [10865–36156]	4.36 (2.29–7.64)
	Female	301781 [216633–412850]	128.07 (91.93–175.2)	497075 [441561–561484]	210.94 (187.39–238.28)	6440 [3406–11331]	2.73 (1.45–4.81)
	Male	725449 [549370–958099]	304.99 (230.96–402.8)	1088766 [982022–1223768]	457.73 (412.85–514.49)	14207 [7496–24856]	5.97 (3.15–10.45)
50 to 54	Both	914910 [681835–1228360]	205.63 (153.25–276.08)	1736820 [1558403–1952695]	390.36 (350.26–438.88)	22554 [12082–39913]	5.07 (2.72–8.97)
	Female	300392 [214907–418539]	134.74 (96.4–187.73)	558294 [495644–630308]	250.42 (222.32–282.72)	7217 [3809–12821]	3.24 (1.71–5.75)
	Male	614518 [464103–832727]	276.83 (202.07–375.14)	1178527 [1058278–1333842]	530.91 (476.74–600.88)	15337 [8231–26977]	6.91 (3.71–12.15)
55 to 59	Both	781631 [589615–1021281]	197.52 (149–258.08)	1831298 [1653894–2043737]	462.77 (417.94–516.45)	23675 [12722–41075]	5.98 (3.21–10.38)
	Female	282971 [200239–393143]	140.78 (99.62–195.59)	621017 [555915–702883]	308.96 (276.57–349.69)	8002 [4194–14064]	3.98 (2.09–7)
	Male	498660 [378808–658696]	256.09 (194.54–338.27)	1210280 [1087756–1349728]	621.53 (558.61–693.15)	15673 [8535–27292]	8.05 (4.38–14.02)
60 to 64	Both	626945 [470117–830403]	195.89 (146.89–259.46)	1746140 [1589627–1917688]	545.59 (496.68–599.19)	22417 [12030–39456]	7 (3.76–12.33)
	Female	251955 [177099–354474]	153.15 (107.65–215.47)	635939 [565737–715302]	386.56 (343.89–434.81)	8122 [4245–14234]	4.94 (2.58–8.65)
	Male	374990 [282713–496551]	241.09 (181.77–319.25)	1110201 [1019692–1205451]	713.79 (655.59–775.03)	14295 [7712–25291]	9.19 (4.96–16.26)
65 to 69	Both	501428 [364610–680383]	181.78 (132.18–246.66)	1746391 [1582797–1938475]	633.11 (573.81–702.75)	22223 [11743–38672]	8.06 (4.26–14.02)
	Female	226952 [157679–325727]	157.6 (109.49–226.19)	698406 [613982–801945]	484.97 (426.35–556.87)	8841 [4698–15367]	6.14 (3.26–10.67)
	Male	274476 [204879–359832]	208.2 (155.41–272.94)	1047985 [961633–1141681]	794.93 (729.43–866)	13382 [7098–23587]	10.15 (5.38–17.89)
70 to 74	Both	384201 [275611–514200]	186.65 (133.9–249.81)	1533007 [1360588–1721493]	744.76 (661–836.33)	19257 [10082–33278]	9.36 (4.9–16.17)
	Female	189876 [128504–272902]	173.49 (117.41–249.34)	660535 [569014–768815]	603.52 (519.9–702.45)	8255 [4273–14290]	7.54 (3.9–13.06)
	Male	194325 [145084–249959]	201.6 (150.52–259.32)	872471 [792990–957983]	905.13 (822.68–993.85)	11002 [5804–19030]	11.41 (6.02–19.74)
75 to 79	Both	274539 [197158–381988]	208.17 (149.49–289.64)	1155653 [1026845–1289389]	876.26 (778.59–977.67)	14289 [7493–24458]	10.83 (5.68–18.54)
	Female	152990 [104381–226164]	112.2 (144.78–313.69)	547902 [470178–633152]	759.94 (652.14–878.19)	6737 [3518–11665]	9.34 (4.88–16.18)
	Male	121550 [90793–159268]	203.31 (151.86–266.39)	607751 [554272–664426]	1016.53 (927.08–1111.33)	7552 [3981–12855]	12.63 (6.66–21.5)
80 to 84	Both	213231 [151968–300410]	243.46 (173.51–343)	947068 [825177–1085679]	1081.34 (942.17–1239.6)	11515 [6112–19367]	13.15 (6.98–22.11)
	Female	130494 [88653–197026]	256.22 (174.06–386.85)	503023 [420761–600539]	987.65 (826.14–1179.12)	6082 [3184–10212]	11.94 (6.25–20.05)
	Male	82737 [61462–110561]	225.74 (167.69–301.65)	444045 [404842–492068]	1211.52 (1104.56–1342.55)	5433 [2914–9111]	14.82 (7.95–24.86)
85 to 89	Both	124123 [84771–187426]	271.48 (185.41–409.93)	598180 [517373–691039]	1308.3 (1131.57–1511.4)	7133 [3739–12098]	15.6 (8.18–26.46)
	Female	81394 [53060–127363]	285.9 (186.38–447.37)	354002 [294415–424150]	1243.46 (1034.16–1489.86)	4196 [2177–7051]	14.74 (7.65–24.77)
	Male	42729 [31788–59579]	247.66 (184.25–345.33)	244179 [221567–270149]	1415.31 (1284.25–1565.84)	2937 [1557–4956]	17.03 (9.03–28.73)
90 to 94	Both	49587 [34299–73552]	277.19 (191.73–411.15)	278219 [244960–318912]	1555.22 (1369.31–1782.69)	3253 [1696–5563]	18.19 (9.48–31.1)
	Female	35020 [23164–54014]	290.36 (192.06–447.85)	182310 [155666–214219]	1511.58 (1290.67–1776.15)	2119 [1103–3654]	17.57 (9.15–30.3)
	Male	14567 [10991–19592]	249.93 (188.57–336.15)	95910 [88169–105322]	1645.53 (1512.72–1807.02)	1134 [593–1922]	19.46 (10.18–32.97)
95 plus	Both	14507 [9665–22130]	266.17 (177.33–406.03)	94910 [83223–109386]	1741.37 (1526.95–2006.97)	1086 [560–1845]	19.93 (10.27–33.85)
	Female	10921 [7062–17313]	277.31 (179.32–439.61)	68395 [58673–80848]	1736.67 (1489.81–2052.88)	778 [402–1322]	19.76 (10.2–33.58)
	Male	3586 [2551–4918]	237.17 (168.68–325.23)	26515 [24291–29023]	1753.62 (1606.51–1919.47)	308 [161–525]	20.38 (10.63–34.7)

UI, uncertainty interval; YLD, year lived with disability.