**Supplementary table S3** Prevalence of heart failure attributable to chronic kidney disease among older adults and corresponding AAPCs from 1990 to 2021 at the country/territory level.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Country and territory | Case,1990 | Prevalence,1990 | Case,2021 | Prevalence,2021 | AAPC,1990-2021 | P value |
| Afghanistan | 365.15(242.09-526.07) | 54.3(35.63-79.09) | 569.73(351.45-873.72) | 73.26(45.18-112.55) | 0.98(0.94 to 1.01) | <0.001 |
| Albania | 74.74(46.68-110.12) | 33.61(20.83-49.76) | 245.18(148.78-382.01) | 42.61(25.7-66.72) | 0.78(0.75 to 0.81) | <0.001 |
| Algeria | 630.13(418.95-900.91) | 52.65(34.81-76.26) | 3676.08(2329.78-5536.87) | 100.05(62.64-152.26) | 2.13(2.09 to 2.17) | <0.001 |
| American Samoa | 1.95(1.26-2.87) | 99.8(64.02-147.53) | 11.34(6.87-17.35) | 235.97(141.64-363.16) | 2.89(2.82 to 2.97) | <0.001 |
| Andorra | 3.58(2.21-5.37) | 58.56(35.63-88.79) | 17.4(9.95-27.65) | 81.21(46.93-127.87) | 1.06(1.02 to 1.09) | <0.001 |
| Angola | 436.79(212.78-778.14) | 162.94(79.4-288.46) | 1961.68(953.92-3438.43) | 229.54(112.53-398.5) | 1.12(1.11 to 1.14) | <0.001 |
| Antigua and Barbuda | 7.92(5.4-11.02) | 107.15(73.11-149.31) | 20.83(13.11-31.57) | 171.81(107.57-261.22) | 1.61(1.41 to 1.79) | <0.001 |
| Argentina | 2661.85(1617.25-4072.76) | 69.58(42.05-107.18) | 7986.39(4374.69-12968.99) | 107.68(59.15-174.62) | 1.33(1.25 to 1.39) | <0.001 |
| Armenia | 5.55(3.43-8.46) | 1.92(1.17-2.95) | 215.24(138.19-320.86) | 38(24.22-56.77) | 10.48(10.19 to 10.8) | <0.001 |
| Australia | 1291.59(786.92-1975.05) | 52.85(32.13-81.04) | 8385.95(5043.74-12804.42) | 128.48(77.65-195.68) | 3.2(3.02 to 3.35) | <0.001 |
| Austria | 498.31(318.61-710.12) | 31.52(20.21-44.85) | 2569.73(1480.26-3943.66) | 89.88(52.18-137.39) | 3.49(3.29 to 3.66) | <0.001 |
| Azerbaijan | 46.95(28.02-72.26) | 9.04(5.36-13.99) | 216.11(119.7-356.42) | 20.65(11.22-34.53) | 2.75(2.68 to 2.8) | <0.001 |
| Bahamas | 9.1(5.88-13.41) | 54.57(35.26-80.62) | 43.68(26.22-69.41) | 100.32(60.02-159.4) | 2.04(1.85 to 2.19) | <0.001 |
| Bahrain | 9.16(6.32-13.01) | 68.59(46.64-98.36) | 122.42(83-177.2) | 172.92(114.83-254.61) | 3.03(2.99 to 3.07) | <0.001 |
| Bangladesh | 1371.84(914.7-1985.2) | 29.9(19.83-43.62) | 6216.85(3791.92-9538.52) | 42.04(25.58-64.96) | 1.07(1.03 to 1.1) | <0.001 |
| Barbados | 39.25(26.5-56.83) | 94.21(63.64-136.6) | 128.91(82.6-193.18) | 188.85(120.84-283.36) | 2.36(2.27 to 2.46) | <0.001 |
| Belarus | 23.31(14.66-34.64) | 1.47(0.92-2.19) | 142.98(86.04-226.83) | 6.64(3.98-10.57) | 5.34(5.11 to 5.55) | <0.001 |
| Belgium | 664.21(397.95-1003.22) | 32.71(19.63-49.61) | 2166.57(1358.5-3302.69) | 57.48(36.23-86.87) | 1.75(1.49 to 1.97) | <0.001 |
| Belize | 13.09(8.62-19.05) | 115.69(76.36-168.05) | 65.35(40.47-100.77) | 208.71(129.08-321.9) | 2.08(1.99 to 2.16) | <0.001 |
| Benin | 388.9(194.76-683.93) | 188.19(94.09-329.44) | 1166.55(593.84-2009.85) | 248.78(126.89-426.85) | 0.9(0.88 to 0.92) | <0.001 |
| Bermuda | 4.39(2.86-6.4) | 59.07(38.37-86.42) | 29(18.06-43.75) | 152.73(95.31-229.72) | 3.1(3.04 to 3.16) | <0.001 |
| Bhutan | 8.43(5.76-11.97) | 41.16(27.7-59.03) | 47.69(31.34-70.17) | 70.39(46.03-103.96) | 1.74(1.71 to 1.76) | <0.001 |
| Bolivia (Plurinational State of) | 444.81(294.02-645.1) | 136.83(90.01-199.65) | 2844.33(1815.49-4280.17) | 284.72(181.09-429.93) | 2.4(2.36 to 2.43) | <0.001 |
| Bosnia and Herzegovina | 104.55(62.49-160.29) | 25.14(14.88-38.98) | 323.1(177.71-513.42) | 38.5(21.04-61.36) | 1.41(1.37 to 1.44) | <0.001 |
| Botswana | 58.51(28.54-105.22) | 127.17(62.21-225.98) | 272.63(131.51-478.8) | 215.3(104.27-376.36) | 1.72(1.69 to 1.73) | <0.001 |
| Brazil | 4867.4(2963.35-7541.95) | 54.81(33.22-84.73) | 36620.59(20181.48-60570.29) | 121.04(66.82-199.75) | 2.61(2.49 to 2.71) | <0.001 |
| Brunei Darussalam | 3.92(1.36-7.08) | 46.01(16.8-83.13) | 19.07(6.21-35.39) | 70.13(23.81-130.41) | 1.35(1.32 to 1.36) | <0.001 |
| Bulgaria | 146.39(91.96-214.44) | 9.89(6.12-14.75) | 434.24(244.01-716.2) | 21.37(12.01-35.35) | 2.65(2.51 to 2.76) | <0.001 |
| Burkina Faso | 935.87(467.1-1645.09) | 240.2(120.43-418.28) | 2348.47(1197.92-4051.07) | 274.79(140.49-471.8) | 0.45(0.43 to 0.48) | <0.001 |
| Burundi | 303.01(146.53-546.98) | 138.92(67.18-249.65) | 814.94(394.89-1465.67) | 205.77(99.96-368.33) | 1.29(1.28 to 1.31) | <0.001 |
| Cabo Verde | 50.1(25.31-86.67) | 163.6(82.34-284.08) | 138.18(70.8-238) | 284.63(145.66-489.85) | 1.81(1.78 to 1.84) | <0.001 |
| Cambodia | 159.26(105.02-230.82) | 39.4(25.79-57.65) | 726.73(459.39-1086.16) | 60.81(38.16-91.48) | 1.41(1.38 to 1.44) | <0.001 |
| Cameroon | 1038.71(524.17-1801.96) | 272.76(137.5-471.82) | 3502.48(1807.95-5935.32) | 333.29(173.02-561.7) | 0.65(0.6 to 0.7) | <0.001 |
| Canada | 1870.39(1178.51-2806.98) | 44.64(28.05-67.1) | 14865.64(8565.26-23661.47) | 143.46(82.96-227.49) | 3.77(3.65 to 3.89) | <0.001 |
| Central African Republic | 125.03(61.19-222.13) | 162.12(79.46-284.15) | 253.69(125.73-447.29) | 185.22(92.12-324.51) | 0.44(0.43 to 0.45) | <0.001 |
| Chad | 459.32(230.05-814.56) | 157.93(78.97-278.24) | 897.85(454.42-1546.22) | 182.17(92.16-312.93) | 0.46(0.45 to 0.47) | <0.001 |
| Chile | 623.41(366.13-970.63) | 56.31(32.88-88.35) | 4482.55(2495.69-7256.33) | 134.48(74.88-217.72) | 2.95(2.84 to 3.04) | <0.001 |
| China | 36574.25(21775.18-57201.07) | 42.6(25.23-66.74) | 176495.45(98547.04-292023.73) | 66.66(37.18-110.41) | 1.5(1.44 to 1.57) | <0.001 |
| Colombia | 1116.84(746.97-1625.37) | 62.08(41.29-90.63) | 8349.8(5415.18-12703.71) | 119.16(77.64-180.51) | 2.15(2.09 to 2.21) | <0.001 |
| Comoros | 31.3(15.1-56.8) | 184.04(88.98-330.85) | 127.97(62.54-226.75) | 269.73(132.05-476.74) | 1.26(1.25 to 1.27) | <0.001 |
| Congo | 175.89(88.17-312.81) | 208.85(104.34-365.98) | 556.31(279.11-971.08) | 276.42(138.15-480.23) | 0.92(0.9 to 0.93) | <0.001 |
| Cook Islands | 0.36(0.22-0.55) | 29.57(18.22-45.25) | 2.15(1.27-3.48) | 66.61(38.98-108.07) | 2.64(2.58 to 2.68) | <0.001 |
| Costa Rica | 149.15(99.54-215.92) | 73.89(49.25-107.09) | 1661.87(1046.92-2496.35) | 240.79(152.14-360.82) | 3.98(3.92 to 4.05) | <0.001 |
| Coted'Ivoire | 615.29(311.23-1086.86) | 218.06(110.1-383.87) | 2326.13(1197.94-3993.7) | 262.84(136.02-448.71) | 0.61(0.59 to 0.63) | <0.001 |
| Croatia | 119.08(68.44-183.16) | 16.94(9.55-26.4) | 531.4(289.22-848.37) | 41.51(22.58-66.33) | 2.78(2.59 to 2.94) | <0.001 |
| Cuba | 440.45(297.34-625.18) | 34.48(23.19-49.18) | 2399.76(1528.89-3635.48) | 93.46(59.8-141.13) | 3.31(3.22 to 3.39) | <0.001 |
| Cyprus | 38.01(20.67-59.27) | 46.11(24.78-73.27) | 193.25(109.47-308.51) | 73.92(41.54-118.95) | 1.8(1.41 to 2.18) | <0.001 |
| Czechia | 430.89(262.45-640.55) | 24.25(14.79-36.25) | 1479.73(831.08-2403.71) | 48.06(27.14-77.84) | 2.3(1.9 to 2.65) | <0.001 |
| Democratic People's Republic of Korea | 566.9(384.61-802.94) | 36.35(24.45-51.97) | 1716.48(1136-2554.32) | 45.4(30-67.79) | 0.73(0.72 to 0.74) | <0.001 |
| Democratic Republic of the Congo | 2402.2(1181.32-4306.44) | 211.82(104.5-374.62) | 6498.15(3234.43-11427.82) | 233.64(116.88-407.38) | 0.33(0.29 to 0.37) | <0.001 |
| Denmark | 144.68(84.64-223.02) | 12.99(7.64-20) | 1499.31(829.85-2433.1) | 85.13(47.5-137.35) | 6.49(6.32 to 6.64) | <0.001 |
| Djibouti | 14.57(6.95-26.36) | 156.05(74.83-279.4) | 120.04(58.82-215.6) | 253.27(123.78-450.85) | 1.59(1.56 to 1.61) | <0.001 |
| Dominica | 5.75(3.75-8.36) | 74.48(48.53-108.57) | 13.36(8.15-20.68) | 133.85(81.46-207.65) | 1.96(1.92 to 1.99) | <0.001 |
| Dominican Republic | 256.76(169.17-370.16) | 66.33(43.46-96.1) | 1297.11(779.73-2044.59) | 108.9(65.38-171.78) | 1.56(1.43 to 1.63) | <0.001 |
| Ecuador | 647.15(422.03-953.7) | 111.71(72.55-165.41) | 5480.09(3404.73-8476) | 276.56(171.43-428.32) | 3.01(2.94 to 3.08) | <0.001 |
| Egypt | 1567.93(1057.13-2237.41) | 71.15(47.33-102.72) | 6545.23(4180.22-9884.77) | 125.17(78.35-191.25) | 1.86(1.78 to 1.93) | <0.001 |
| El Salvador | 463.36(315.36-666.75) | 133.09(90.62-191.28) | 3410.51(2217.54-5043.87) | 426.23(278.59-627.45) | 3.92(3.81 to 4.03) | <0.001 |
| Equatorial Guinea | 26.06(12.85-45.71) | 173.94(85.78-302.67) | 142.89(71.22-249.01) | 350.72(175.46-608.63) | 2.33(2.28 to 2.38) | <0.001 |
| Eritrea | 79.08(38.29-142.34) | 123.04(59.52-219.15) | 377.45(184.56-677.17) | 188.63(92.08-337.25) | 1.46(1.42 to 1.51) | <0.001 |
| Estonia | 27.22(16.88-41.29) | 10.54(6.52-16.06) | 246.48(122.76-433.92) | 61.45(30.75-107.96) | 5.17(4.85 to 5.45) | <0.001 |
| Eswatini | 42.19(20.81-75.73) | 176.59(86.61-314.2) | 110.09(54.9-195.49) | 243.59(122.02-428.57) | 1.03(1 to 1.05) | <0.001 |
| Ethiopia | 3591.79(1760.23-6408.72) | 233.82(115.82-410.51) | 13221.38(6615.5-23239.76) | 323.74(162.46-565.92) | 1.07(1.05 to 1.08) | <0.001 |
| Fiji | 14.83(9.7-21.89) | 50.22(32.47-74.61) | 74.33(46.98-112.39) | 103.98(64.65-158.82) | 2.35(2.33 to 2.37) | <0.001 |
| Finland | 89.41(49.19-137.92) | 9.86(5.43-15.26) | 645.84(353.96-1085.28) | 31.47(17.45-52.37) | 3.92(3.63 to 4.21) | <0.001 |
| France | 9279.44(5995.97-13566.03) | 81.23(52.45-119.06) | 43383.71(26119.44-67304.3) | 186.19(113.38-286.14) | 2.64(2.42 to 2.86) | <0.001 |
| Gabon | 129.26(64.75-224.41) | 226.68(113.25-391.03) | 321.25(160.43-561.23) | 357.03(178.49-620.86) | 1.48(1.46 to 1.49) | <0.001 |
| Gambia | 59.45(30.17-104.3) | 196.41(99.59-341.89) | 228.98(117.87-391.59) | 247.36(127.27-422.76) | 0.72(0.71 to 0.74) | <0.001 |
| Georgia | 33.76(19.69-51.79) | 4.42(2.57-6.8) | 161.44(61.1-286.82) | 19.84(7.45-35.21) | 4.95(4.66 to 5.23) | <0.001 |
| Germany | 4586.7(2824.02-6917.6) | 27.18(16.79-41.02) | 29700.66(16526.88-48209.94) | 95.03(53.02-154.31) | 4.29(4.04 to 4.53) | <0.001 |
| Ghana | 473.8(230.97-851.64) | 92.98(45.16-166.64) | 2258.63(1072.59-4100.93) | 157.65(75.11-285.5) | 1.75(1.72 to 1.77) | <0.001 |
| Greece | 1223.84(756.18-1826.48) | 65.94(40.51-99.18) | 2435.69(1354.19-3879.75) | 62.36(34.95-99.51) | -0.01(-0.23 to 0.19) | 0.875 |
| Greenland | 0.84(0.39-1.41) | 32.9(14.93-56) | 4.46(1.99-7.91) | 68.75(29.52-123.38) | 2.5(2.39 to 2.59) | <0.001 |
| Grenada | 10.15(6.6-14.83) | 99.21(64.68-144.8) | 23.49(14.38-35.72) | 183.52(112.34-279.2) | 2.26(2.15 to 2.38) | <0.001 |
| Guam | 3.66(2.34-5.56) | 57.92(36.6-88.96) | 36.39(20.96-59.47) | 130.01(75.81-210.31) | 2.65(2.6 to 2.69) | <0.001 |
| Guatemala | 548.36(357.61-819.53) | 161.73(104.56-242.96) | 4695.25(3013.38-7009.52) | 362.08(231.5-542.39) | 2.62(2.56 to 2.69) | <0.001 |
| Guinea | 630.31(315.87-1096.28) | 187.36(93.94-323.96) | 1141.11(578.68-1963.39) | 211.32(107.21-362.56) | 0.38(0.36 to 0.4) | <0.001 |
| Guinea-Bissau | 59.11(29.58-105.14) | 184.91(93.14-324.75) | 109.75(55.76-190.95) | 208.55(106.42-359.34) | 0.37(0.33 to 0.41) | <0.001 |
| Guyana | 16.73(10.95-24.58) | 44.63(28.98-66.11) | 72.02(45.09-111.31) | 108.74(67.61-168.66) | 3.15(3 to 3.33) | <0.001 |
| Haiti | 144.61(96.41-210.14) | 48.23(31.89-70.48) | 452.26(290.48-679.74) | 69.72(44.36-105.49) | 1.2(1.19 to 1.21) | <0.001 |
| Honduras | 105.99(72.19-149.85) | 48.81(33.06-69.36) | 539.93(345.22-806.52) | 77.61(49.38-116.28) | 1.52(1.47 to 1.56) | <0.001 |
| Hungary | 184.11(100.25-288.16) | 9.94(5.41-15.67) | 864.62(459.1-1443.27) | 30.55(16.26-50.91) | 3.67(3.57 to 3.76) | <0.001 |
| Iceland | 2.66(1.32-4.29) | 6.83(3.41-10.97) | 19.73(10.27-33.19) | 23.55(12.42-39.25) | 3.5(2.41 to 4.73) | <0.001 |
| India | 13422.24(8021.65-21024.96) | 34.18(20.22-53.6) | 62723.35(33186.4-105536.52) | 49.97(26.32-84.13) | 1.25(1.22 to 1.29) | <0.001 |
| Indonesia | 3881.8(2326.61-6075.38) | 43.57(26.04-68.07) | 13184.83(7388.2-21853.74) | 57.19(31.99-94.31) | 0.93(0.85 to 1.01) | <0.001 |
| Iran (Islamic Republic of) | 1253.13(738.93-1961.16) | 53.25(31.14-83.43) | 7695.81(4136.26-12884.54) | 92.98(49.82-155.87) | 1.94(1.88 to 2.01) | <0.001 |
| Iraq | 1129.15(760.69-1604.8) | 130(87.5-184.82) | 3435.82(2270.56-5032.8) | 157.29(103.25-231.74) | 0.63(0.6 to 0.66) | <0.001 |
| Ireland | 105.06(61.73-164.25) | 21.1(12.39-33.14) | 713.59(412.93-1140.08) | 65.59(38.03-104.69) | 3.84(3.71 to 3.94) | <0.001 |
| Israel | 373.05(214.04-582.72) | 64.77(37.22-101.76) | 3314.2(1937.41-5155.25) | 188.17(110.36-291.81) | 3.81(3.63 to 4.01) | <0.001 |
| Italy | 3785.56(2043.92-6138.46) | 32.92(17.83-53.52) | 16975.52(9355.26-28433.79) | 73.79(40.88-123.11) | 2.69(2.54 to 2.85) | <0.001 |
| Jamaica | 243.59(156.93-358.04) | 102.05(65.87-149.88) | 543.63(339.87-824.75) | 134.18(84.67-201.36) | 0.99(0.9 to 1.07) | <0.001 |
| Japan | 9220.86(4544.26-15239.2) | 47.47(23.57-78.46) | 57217.4(30613.99-93801.28) | 85.43(46.33-139.59) | 1.95(1.9 to 1.99) | <0.001 |
| Jordan | 90.25(60.96-127.89) | 79.79(53.35-114.37) | 942.57(612.59-1399.94) | 142.73(91.89-213.68) | 1.91(1.87 to 1.95) | <0.001 |
| Kazakhstan | 115.76(71.93-172.74) | 7.98(4.94-11.94) | 562.66(328.14-882.61) | 28.78(16.58-45.53) | 4.34(4.1 to 4.54) | <0.001 |
| Kenya | 1157.85(574.91-2059.84) | 149.77(74.57-265.3) | 3992.12(1996.86-7072.76) | 198.41(99.61-347.89) | 0.99(0.91 to 1.07) | <0.001 |
| Kiribati | 2.3(1.43-3.47) | 71.34(43.98-108.47) | 6.54(3.91-10.18) | 111.16(65.68-173.86) | 1.49(1.43 to 1.54) | <0.001 |
| Kuwait | 50.34(32.81-74.15) | 108.03(69.66-159.77) | 283.23(182.23-428.95) | 115.53(73.92-175.23) | 0.27(0.16 to 0.38) | <0.001 |
| Kyrgyzstan | 19.16(11.23-29.83) | 5.6(3.26-8.77) | 115.58(72.3-172.74) | 22.83(14.07-34.5) | 4.69(4.61 to 4.79) | <0.001 |
| Lao People's Democratic Republic | 109.68(70.95-161.61) | 58.08(37.32-86.21) | 387.35(242.03-586.44) | 88.76(54.99-135.34) | 1.37(1.35 to 1.39) | <0.001 |
| Latvia | 23.28(14.31-35.19) | 5.17(3.17-7.84) | 144.78(79.71-237.23) | 25.14(13.93-41.08) | 5.88(5.6 to 6.15) | <0.001 |
| Lebanon | 216.09(147.24-308.53) | 98.73(66.65-142.26) | 1867.25(1242.01-2700.55) | 232.83(155.2-336) | 2.91(2.85 to 2.97) | <0.001 |
| Lesotho | 103.59(51.43-183.66) | 120.83(59.98-213.24) | 177.03(87.87-312.3) | 185.32(92.17-323.64) | 1.4(1.38 to 1.41) | <0.001 |
| Liberia | 268.38(136.4-477.81) | 236.1(119.92-415.88) | 498.82(256.8-859.35) | 289.81(149.35-498.09) | 0.66(0.62 to 0.7) | <0.001 |
| Libya | 205.66(140.37-296.06) | 104.13(70.9-149.95) | 740.31(466.29-1116.98) | 150.88(94.75-227.65) | 1.18(1.1 to 1.23) | <0.001 |
| Lithuania | 25.65(15.8-38.96) | 4.55(2.79-6.96) | 189.45(102.84-309.75) | 23.64(12.92-38.71) | 5.1(4.79 to 5.33) | <0.001 |
| Luxembourg | 21.96(11.61-35.13) | 33.15(17.63-53.17) | 157.86(87.47-256.02) | 105.16(58.67-169.68) | 3.72(3.49 to 3.9) | <0.001 |
| Madagascar | 484.61(232.5-876.84) | 106.24(51.03-191.32) | 1119.76(545.52-2018.28) | 136.78(66.68-244.24) | 0.83(0.82 to 0.85) | <0.001 |
| Malawi | 577.21(276.39-1041.07) | 176.83(85.13-316.07) | 1530.51(737.41-2717.24) | 235.62(113.86-416.35) | 0.94(0.93 to 0.95) | <0.001 |
| Malaysia | 683.41(454.41-984) | 71.17(47.25-102.62) | 4211.64(2768.48-6206.59) | 135.83(88.88-200.95) | 2.08(2.04 to 2.11) | <0.001 |
| Maldives | 8.77(5.88-12.75) | 124.75(82.09-184.52) | 60.01(38.53-89.68) | 188.76(120.54-283.46) | 1.31(1.28 to 1.34) | <0.001 |
| Mali | 720.71(358.44-1277.57) | 221.46(110.75-387.57) | 1959.75(978.78-3426.79) | 263.9(132.63-458.01) | 0.56(0.55 to 0.57) | <0.001 |
| Malta | 16.76(10.41-25.34) | 34.72(21.38-52.86) | 123.77(70.52-199.84) | 84.49(48.42-135.82) | 2.8(2.6 to 2.95) | <0.001 |
| Marshall Islands | 0.83(0.53-1.23) | 54.55(34.53-81.57) | 2.76(1.69-4.26) | 103.96(62.92-160.98) | 2.15(2.11 to 2.19) | <0.001 |
| Mauritania | 223.07(111.72-387.8) | 223.59(112.54-387.29) | 611.57(308.42-1062.55) | 284.38(143.34-493.15) | 0.76(0.73 to 0.79) | <0.001 |
| Mauritius | 74.09(46.32-111.53) | 99.97(62.14-151.32) | 680.24(443.09-990.09) | 297.31(193.06-434.62) | 3.61(3.54 to 3.67) | <0.001 |
| Mexico | 8148.52(5128.5-12431.25) | 183.95(114.95-281.48) | 52553.08(30939.67-83450.93) | 351.38(206.26-558.65) | 2.16(2.08 to 2.24) | <0.001 |
| Micronesia (Federated States of) | 2.58(1.63-3.89) | 52.48(32.96-79.45) | 6.66(4.01-10.46) | 107.93(64.21-170.15) | 2.38(2.33 to 2.43) | <0.001 |
| Monaco | 2.83(1.77-4.26) | 26.62(16.71-40.26) | 10.45(6.04-16.55) | 67.9(39.72-106.24) | 3.12(2.99 to 3.22) | <0.001 |
| Mongolia | 27.93(15.18-43.67) | 23.72(12.86-37.23) | 73.62(39.3-120.21) | 35.28(18.57-58.25) | 1.26(1.18 to 1.33) | <0.001 |
| Montenegro | 29.87(18.49-45.12) | 41.68(25.76-63.05) | 64.45(38.69-99.11) | 51.31(30.46-79.52) | 0.68(0.64 to 0.71) | <0.001 |
| Morocco | 1902.06(1267.17-2741.41) | 127.13(84.18-184.31) | 6534.2(4109.38-10038.62) | 180.59(112.74-278.69) | 1.12(1.1 to 1.15) | <0.001 |
| Mozambique | 852.21(439.45-1488.76) | 181.21(93.19-313.1) | 2131.73(1091.8-3631.46) | 249.77(129.24-420.85) | 1.05(1.03 to 1.06) | <0.001 |
| Myanmar | 808.47(530.76-1188.73) | 37.89(24.67-56.21) | 2992.86(1859.6-4638.24) | 59.84(36.94-92.95) | 1.49(1.44 to 1.53) | <0.001 |
| Namibia | 65.77(31.99-117.91) | 119.39(58.35-211.66) | 208.28(102.17-362.83) | 169.48(83.73-294.54) | 1.14(1.11 to 1.16) | <0.001 |
| Nauru | 0.18(0.11-0.27) | 52.15(32.46-78.66) | 0.4(0.23-0.64) | 82.69(48.13-131.81) | 1.46(1.38 to 1.51) | <0.001 |
| Nepal | 418.9(284.01-603.32) | 51.52(34.44-74.86) | 2057.65(1298.18-3132.18) | 86.28(54.19-131.79) | 1.66(1.62 to 1.69) | <0.001 |
| Netherlands | 720.46(464.22-1057.56) | 27.5(17.7-40.48) | 4559.17(2611.2-7287.04) | 89.13(51.13-142.24) | 4.06(3.8 to 4.29) | <0.001 |
| New Zealand | 159.04(87.71-258.97) | 31.97(17.61-52.21) | 933.45(508.4-1573.22) | 80.35(43.84-135.32) | 3.13(2.97 to 3.28) | <0.001 |
| Nicaragua | 246.07(165.11-351.6) | 149.56(100.17-213.98) | 1923.97(1252.38-2852.3) | 345.85(224.29-514.17) | 2.78(2.73 to 2.82) | <0.001 |
| Niger | 368.63(184.23-654.13) | 170.74(85.53-299.7) | 1285.79(640.38-2227.38) | 191.09(95.97-330.25) | 0.37(0.35 to 0.39) | <0.001 |
| Nigeria | 25157.47(14287.3-39824.18) | 589.66(335.63-925.75) | 61636.82(35039.8-95834.05) | 775.85(442.28-1196.81) | 0.85(0.78 to 0.9) | <0.001 |
| Niue | 0.2(0.12-0.3) | 65.24(41.32-98.37) | 0.35(0.21-0.55) | 137.11(81.91-214.86) | 2.42(2.39 to 2.45) | <0.001 |
| North Macedonia | 38.81(23.75-57.93) | 18.61(11.33-27.88) | 117.16(66.53-186.47) | 28.36(15.91-45.41) | 1.4(1.37 to 1.44) | <0.001 |
| Northern Mariana Islands | 1.75(1.15-2.54) | 160.28(103.77-234.55) | 12.1(7.4-18.87) | 258.04(154.42-404.21) | 1.53(1.48 to 1.57) | <0.001 |
| Norway | 119.85(49.05-212.36) | 12.3(5.14-21.71) | 785.38(367.68-1381.8) | 52.65(24.87-92.16) | 5.01(4.87 to 5.18) | <0.001 |
| Oman | 26.05(18.2-36.12) | 42.58(29.51-59.38) | 170.37(112.41-250.55) | 110.25(72.26-163.29) | 3.14(3.08 to 3.19) | <0.001 |
| Pakistan | 4410.6(2644.75-6908.42) | 77.7(46.36-121.51) | 11331.94(6266.46-18891.82) | 103.99(57.28-173.1) | 0.92(0.9 to 0.94) | <0.001 |
| Palau | 1.07(0.68-1.6) | 107.85(68.76-162.44) | 3.98(2.46-6.1) | 196.56(120.19-303.73) | 1.98(1.95 to 2.02) | <0.001 |
| Palestine | 77.07(52.7-108.25) | 83.99(57.02-119.04) | 293.04(193.9-425.75) | 124.2(81.8-182) | 1.26(1.23 to 1.28) | <0.001 |
| Panama | 146.97(99.52-212.48) | 85.45(57.92-123.5) | 1534.57(990.13-2278.7) | 275.41(178.33-407.5) | 3.98(3.92 to 4.05) | <0.001 |
| Papua New Guinea | 35.76(23.38-53.36) | 25.17(16.21-37.78) | 141.28(87.07-216.95) | 35.49(21.67-54.63) | 1.12(1.08 to 1.14) | <0.001 |
| Paraguay | 176.66(116.98-254.01) | 71.19(47.14-102.4) | 856.29(527.65-1307.01) | 127.96(78.98-195.05) | 1.98(1.92 to 2.04) | <0.001 |
| Peru | 2517.13(1662.79-3680.45) | 191.64(126.38-280.58) | 15289.33(9826.29-22918.67) | 374.48(241.17-560.04) | 2.22(2.13 to 2.3) | <0.001 |
| Philippines | 2072.04(1231.12-3259.6) | 77.6(45.89-121.78) | 9171.79(4947.68-15442.84) | 110.73(59.68-186.14) | 1.16(1.14 to 1.18) | <0.001 |
| Poland | 2587.95(1561.13-4002.56) | 48.6(29.26-75.35) | 6045.09(3441.82-9672.36) | 60.44(34.4-96.87) | 1.33(0.95 to 1.67) | <0.001 |
| Portugal | 855.03(547.73-1254.56) | 50.68(32.44-74.8) | 4755.47(2820.15-7406.59) | 120.44(71.72-187.17) | 3.1(2.99 to 3.2) | <0.001 |
| Puerto Rico | 675.26(450.01-983.59) | 148.13(98.41-216.52) | 3418.72(2135.5-5164.39) | 313.52(198.34-468.83) | 2.43(2.35 to 2.52) | <0.001 |
| Qatar | 4.35(2.98-6.12) | 67.02(45.04-95.63) | 108.73(72.53-157.4) | 201.06(131.38-295.1) | 3.6(3.54 to 3.66) | <0.001 |
| Republic of Korea | 1387.7(747.91-2179.96) | 53.23(28.75-84.36) | 15080.43(9470.05-22620.44) | 126.41(79.09-190.14) | 2.82(2.73 to 2.91) | <0.001 |
| Republic of Moldova | 14.26(8.68-21.8) | 2.78(1.67-4.3) | 70.99(38.66-122.13) | 8.92(4.84-15.36) | 3.98(3.81 to 4.15) | <0.001 |
| Romania | 439.59(248.03-680.89) | 13.36(7.44-20.89) | 969.09(490.39-1609.58) | 18.4(9.31-30.54) | 1.07(0.8 to 1.27) | <0.001 |
| Russian Federation | 1986.71(1170.58-3154.95) | 8.89(5.22-14.17) | 6750.7(3671.85-11397.78) | 21.13(11.44-35.83) | 2.84(2.53 to 3.14) | <0.001 |
| Rwanda | 343.77(166.27-614.01) | 147.86(72-261.57) | 1234.66(603.36-2201.98) | 226.99(111.32-403.49) | 1.41(1.39 to 1.43) | <0.001 |
| Saint Kitts and Nevis | 5.2(3.43-7.58) | 99.03(65.38-144.51) | 14.24(9.04-21.55) | 198.58(124.71-303.16) | 2.4(2.08 to 2.65) | <0.001 |
| Saint Lucia | 10.68(7.04-15.48) | 98.39(64.75-143.35) | 48.24(30.24-73.03) | 165.32(103.43-250.68) | 1.85(1.76 to 1.94) | <0.001 |
| Saint Vincent and the Grenadines | 5.66(3.73-8.16) | 63.42(41.76-92.1) | 20.36(12.56-31.35) | 117.54(72.11-181.91) | 2.06(1.94 to 2.17) | <0.001 |
| Samoa | 5.68(3.67-8.55) | 66.99(42.96-101.46) | 15.64(9.46-24.43) | 105.86(63.55-165.98) | 1.51(1.46 to 1.56) | <0.001 |
| San Marino | 1.41(0.88-2.12) | 29.43(18.44-44.08) | 6.86(4.01-10.88) | 53.74(32.08-83.84) | 2.04(2 to 2.09) | <0.001 |
| Sao Tome and Principe | 19.61(9.85-33.88) | 281.43(141.32-485.1) | 38.88(20.21-66.06) | 390.8(202.47-663.53) | 1.08(1.06 to 1.1) | <0.001 |
| Saudi Arabia | 500.37(340.27-705.85) | 92.92(62.9-132.23) | 2673.1(1782.59-3883.6) | 208.15(136.95-305.71) | 2.63(2.61 to 2.66) | <0.001 |
| Senegal | 779.2(402.13-1328.58) | 254.47(130.98-430.96) | 2308.85(1214.26-3911.98) | 310.63(163.52-524.51) | 0.61(0.58 to 0.63) | <0.001 |
| Serbia | 263.1(141.04-416.89) | 20.34(10.51-32.81) | 767.53(372.95-1265.37) | 33.49(16.34-55.11) | 1.82(1.62 to 2.09) | <0.001 |
| Seychelles | 3.25(2.11-4.72) | 45.52(29.6-66.26) | 14.96(9.12-23.3) | 119.8(72.64-187.13) | 3.24(3.17 to 3.3) | <0.001 |
| Sierra Leone | 360.38(180.01-629.08) | 171.09(85.81-297.97) | 703.87(361.34-1212.93) | 202.68(104.3-347.96) | 0.55(0.53 to 0.58) | <0.001 |
| Singapore | 57.07(28.3-94.43) | 28.86(14.51-47.74) | 1003.92(545.47-1693.24) | 95.67(51.84-161.42) | 3.89(3.79 to 3.97) | <0.001 |
| Slovakia | 191.23(123.62-280.07) | 25.35(16.34-37.35) | 504.09(301.46-815.06) | 39.26(23.4-63.55) | 1.24(0.92 to 1.47) | <0.001 |
| Slovenia | 45.86(24.16-72.92) | 15.14(7.94-24.17) | 223.9(118.42-364.51) | 35.09(18.74-56.75) | 2.81(2.65 to 2.94) | <0.001 |
| Solomon Islands | 3.55(2.21-5.47) | 32.77(20.13-50.82) | 11.86(6.74-18.97) | 41.5(23.29-67) | 0.76(0.72 to 0.8) | <0.001 |
| Somalia | 234.4(113.05-430.61) | 151.86(73.06-275.92) | 834.6(409.7-1490.16) | 197.4(96.88-349.18) | 0.86(0.85 to 0.87) | <0.001 |
| South Africa | 3574.93(1841.62-6150.04) | 167.42(86.25-286.95) | 11237.32(5806.82-19241.73) | 239.85(123.8-407.98) | 1.16(1.14 to 1.18) | <0.001 |
| South Sudan | 454.4(217.36-815.58) | 182.21(87.4-324.94) | 841.66(412.77-1501.26) | 277.71(136.35-491.4) | 1.4(1.38 to 1.43) | <0.001 |
| Spain | 4006.5(2461.89-6076.69) | 58.01(35.58-88.11) | 14838.45(9706.68-21611.49) | 93.48(61.49-135.69) | 1.61(1.54 to 1.69) | <0.001 |
| Sri Lanka | 704.24(475.6-1013.38) | 68.32(45.62-99.29) | 3152.29(2047.05-4658.43) | 97.19(62.72-144.29) | 1.19(1.11 to 1.25) | <0.001 |
| Sudan | 350.94(231.9-502.49) | 37.94(24.94-54.87) | 1261.36(791.33-1914.79) | 68.75(42.94-104.62) | 1.98(1.95 to 2.01) | <0.001 |
| Suriname | 24.85(16.26-35.85) | 89.95(58.78-129.63) | 134.55(84.16-203.76) | 184.65(115.46-279.69) | 2.39(2.34 to 2.43) | <0.001 |
| Sweden | 688.78(387.21-1108.22) | 31.72(17.85-51.03) | 4364.34(2256.2-7380.94) | 128.37(66.9-216.55) | 4.95(4.78 to 5.14) | <0.001 |
| Switzerland | 312.26(168.44-493.97) | 21.73(11.8-34.4) | 1827.08(1004.65-2982.09) | 63.5(35.61-102.18) | 3.7(3.56 to 3.84) | <0.001 |
| Syrian Arab Republic | 377.75(254.76-541.88) | 73.72(49.36-106.28) | 1364.73(871.63-2053.71) | 105.98(66.87-160.83) | 1.18(1.15 to 1.2) | <0.001 |
| Taiwan (Province of China) | 2028.26(1355.08-2918.96) | 127.48(84.39-185.85) | 15218.31(10034.74-22443.11) | 272.84(180.1-401.56) | 2.5(2.46 to 2.56) | <0.001 |
| Tajikistan | 6.62(3.87-10.48) | 2.21(1.28-3.51) | 23.32(13.11-38.26) | 4.19(2.31-6.95) | 2.15(2.08 to 2.21) | <0.001 |
| Thailand | 5167.08(3486.11-7471.93) | 151.42(101.61-219.7) | 48795.39(32322.76-71326.07) | 355.63(235.46-519.52) | 2.78(2.74 to 2.82) | <0.001 |
| Timor-Leste | 12.29(8.06-17.91) | 58(37.51-85.57) | 69.6(43.41-105.01) | 73.76(45.69-112.14) | 0.74(0.71 to 0.77) | <0.001 |
| Togo | 185.82(94.75-328.13) | 180.74(91.99-317.4) | 630.97(322.68-1092.56) | 212.04(108.82-364.32) | 0.51(0.49 to 0.53) | <0.001 |
| Tokelau | 0.08(0.05-0.11) | 48.95(31.31-72.8) | 0.19(0.11-0.29) | 97.53(58.44-152.88) | 2.31(2.27 to 2.35) | <0.001 |
| Tonga | 3.99(2.49-6.08) | 70.25(43.49-107.5) | 11.55(6.67-18.28) | 123.43(71.09-195.75) | 1.82(1.77 to 1.87) | <0.001 |
| Trinidad and Tobago | 56.66(37.56-81.83) | 58.37(38.5-84.88) | 460.48(291.78-691.35) | 187.29(118.64-281.39) | 3.95(3.73 to 4.16) | <0.001 |
| Tunisia | 318.83(213.75-457.82) | 61.78(41.06-89.45) | 1684.7(1076.63-2535.31) | 110.13(70.06-166.28) | 1.89(1.86 to 1.91) | <0.001 |
| Turkey | 3084.43(2108.79-4348.83) | 88.81(60.14-126.14) | 16287.32(10786.62-23801.91) | 147.26(97.15-215.68) | 1.66(1.58 to 1.74) | <0.001 |
| Turkmenistan | 23.21(13.83-35.62) | 11.13(6.6-17.18) | 109.2(63.6-170.28) | 26.63(15.31-41.91) | 2.85(2.62 to 3.07) | <0.001 |
| Tuvalu | 0.26(0.17-0.39) | 41.36(26.03-62.88) | 0.92(0.55-1.43) | 83.72(49.77-131.33) | 2.32(2.27 to 2.35) | <0.001 |
| Uganda | 964.22(466.46-1744.87) | 163.13(78.94-293.77) | 3241.56(1586.92-5798.81) | 252.43(123.48-449.99) | 1.44(1.4 to 1.47) | <0.001 |
| Ukraine | 19.44(11.48-30.65) | 0.22(0.13-0.34) | 387.99(201.09-675.69) | 3.66(1.9-6.39) | 10.18(9.77 to 10.63) | <0.001 |
| United Arab Emirates | 14.72(10-20.79) | 52.89(35.62-75.7) | 243.47(162.85-348.42) | 121.16(78.38-178.47) | 2.76(2.71 to 2.81) | <0.001 |
| United Kingdom | 1478.25(815.52-2379.3) | 11.98(6.62-19.32) | 6606.37(3548.76-10844.92) | 33.21(17.93-54.55) | 3.4(3.3 to 3.48) | <0.001 |
| United Republic of Tanzania | 2156.09(1045.59-3936.68) | 217.96(105.85-395.13) | 6528.5(3221.69-11682.27) | 274.38(135.64-489.34) | 0.8(0.73 to 0.87) | <0.001 |
| United States of America | 18334.83(10007.95-29809.18) | 42.14(23.05-68.46) | 124966.05(69016.24-206178.66) | 154.14(85.23-254.04) | 4.38(4.31 to 4.45) | <0.001 |
| United States Virgin Islands | 4.79(3.16-6.97) | 54.95(36.08-80.47) | 28.15(17.65-43.07) | 109.78(68.71-168.35) | 2.24(2.21 to 2.26) | <0.001 |
| Uruguay | 233.01(138.22-364.65) | 46.44(27.51-72.81) | 642.46(321.85-1059.36) | 78.87(40.14-129.22) | 1.9(1.8 to 1.99) | <0.001 |
| Uzbekistan | 167.35(99.3-260.5) | 13.23(7.81-20.7) | 677.76(354.76-1130.61) | 26.13(13.37-44.05) | 2.18(1.97 to 2.32) | <0.001 |
| Vanuatu | 1.99(1.27-3.01) | 38.88(24.56-58.93) | 9.95(5.98-15.53) | 66.1(39.47-103.55) | 1.74(1.72 to 1.76) | <0.001 |
| Venezuela (Bolivarian Republic of) | 479.09(316.43-697) | 46.62(30.63-68.16) | 5561.67(3599.51-8384.64) | 153.41(99.23-230.79) | 4.03(3.92 to 4.15) | <0.001 |
| Viet Nam | 3376.94(2210.06-4956.62) | 75.4(49.24-110.98) | 12024.42(7548.57-18043.97) | 114.71(71.55-173.1) | 1.37(1.35 to 1.38) | <0.001 |
| Yemen | 131.64(88.4-189.57) | 29.63(19.71-42.92) | 517.98(328.34-785.22) | 40.13(25.21-61.26) | 1(0.98 to 1.01) | <0.001 |
| Zambia | 390.3(187.96-703.24) | 160.85(77.51-289.31) | 1092.03(528.47-1938.03) | 193.98(94.26-343.23) | 0.63(0.61 to 0.65) | <0.001 |
| Zimbabwe | 627.4(319.24-1082.84) | 174.76(88.59-300.43) | 1126.54(559.82-1992.73) | 210.13(105.39-367.96) | 0.55(0.49 to 0.59) | <0.001 |

Abbreviations: AAPC, average annual percentage change