

**Table S1: Prevalence of ischemic heart disease for adults 70 years and older in 1990 and 2019 for both sexes and percentage change in rates per 100,000 in Iran
(Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>)**

	1990		2019		Percentage change in rate per 100,000
	No (95% UI)	Rate per 100,000 (95% UI)	No (95% UI)	Rate per 100,000 (95% UI)	
Iran	472577 (422626 , 523901)	49186.3 (43987.3 , 54528.1)	1836178 (1650657 , 2026967)	52886.4 (47543 , 58381.6)	7.5 (5.5 , 9.9)
Alborz	10337 (9289 , 11451)	52713.4 (47371.8 , 58395.2)	58755 (52833 , 65026)	54271.9 (48800.9 , 60064.3)	3 (-0.5 , 6)
Ardeabil	8042 (7206 , 8883)	50619.4 (45356.8 , 55918)	31154 (28129 , 34201)	55302.1 (49932.9 , 60710.3)	9.3 (5.8 , 13)
Bushehr	4712 (4215 , 5223)	53121.4 (47525.1 , 58882.5)	19768 (17684 , 21841)	53552.9 (47905 , 59168.5)	0.8 (-2.3 , 4.6)
Chahar Mahaal and Bakhtiari	5332 (4744 , 5930)	48233 (42911.2 , 53635.6)	20159 (18067 , 22236)	53520.9 (47965.7 , 59033.8)	11 (6.8 , 15.4)
East Azarbeyejan	27129 (24246 , 30102)	50607.6 (45228.4 , 56153.9)	99119 (89209 , 109612)	53615.6 (48255.2 , 59291.9)	5.9 (2.2 , 10)
Fars	26305 (23332 , 29377)	46931.9 (41628.8 , 52414)	97502 (87215 , 108475)	48815.2 (43664.9 , 54308.6)	4 (0.2 , 8)
Gilan	21375 (18975 , 23809)	47661.6 (42310.1 , 53088.9)	84808 (76187 , 93482)	54377.3 (48849.7 , 59938.7)	14.1 (9.8 , 18.6)
Golestan	9194 (8180 , 10196)	50039.8 (44523.9 , 55493.7)	32783 (29373 , 36054)	53388.7 (47836.5 , 58716)	6.7 (2.8 , 10.6)
Hamadan	14499 (12869 , 16157)	44226.6 (39255 , 49282.9)	47643 (42640 , 52893)	50447.8 (45149.6 , 56006.6)	14.1 (8.9 , 19.4)
Hormozgan	7612 (6779 , 8456)	48090.9 (42824.8 , 53422.9)	25861 (23214 , 28482)	51444.3 (46177.8 , 56656.5)	7 (2.7 , 11)
Ilam	2970 (2665 , 3290)	51117.6 (45867.9 , 56616.8)	9650 (8624 , 10622)	51726.7 (46226.7 , 56936.4)	1.2 (-1.9 , 4.2)
Isfahan	34375 (30494 , 38499)	46646.9 (41380.5 , 52244.2)	129309 (116064 , 142800)	51229.2 (45982 , 56573.9)	9.8 (5.5 , 14.4)
Kerman	16262 (14499 , 18058)	51050.8 (45517.8 , 56689.4)	60710 (54632 , 67075)	54821.4 (49333 , 60568.5)	7.4 (3.5 , 11.8)

Kermanshah	13123 (11744 , 14538)	48816.4 (43685.2 , 54080.5)	46386 (41733 , 50955)	54013.7 (48595.7 , 59334.3)	10.6 (6.8 , 14.6)
Khorasan-e-Razavi	41696 (37246 , 46216)	51137.4 (45679.9 , 56679.9)	143616 (128958 , 158679)	54336.9 (48791.1 , 60036.2)	6.3 (2.7 , 10.3)
Khuzestan	27956 (25062 , 30948)	51351.7 (46036.6 , 56847.8)	89988 (81192 , 99086)	55891.5 (50428.3 , 61542.1)	8.8 (5.5 , 12.4)
Kohgiluyeh and Boyer-Ahmad	2219 (1973 , 2468)	47379.2 (42126 , 52711.6)	11501 (10387 , 12668)	54028.2 (48791.1 , 59505.9)	14 (9.7 , 18.2)
Kurdistan	10005 (8923 , 11114)	48669.5 (43403.1 , 54062.6)	35712 (32182 , 39204)	52569.7 (47373.2 , 57709.9)	8 (4.3 , 11.8)
Lorestan	11048 (9882 , 12293)	48481.6 (43363.7 , 53943.3)	38364 (34564 , 42309)	52578.3 (47371.4 , 57985.5)	8.4 (4.6 , 12.5)
Markazi	12061 (10732 , 13441)	49504.4 (44047 , 55169.6)	47049 (42523 , 51891)	56126.7 (50727.6 , 61902.7)	13.4 (9.1 , 18.3)
Mazandaran	22173 (19818 , 24562)	49470.6 (44217.2 , 54801.4)	96580 (87692 , 106150)	54920.5 (49866.3 , 60362.6)	11 (7.3 , 15.6)
North Khorasan	4352 (3879 , 4865)	49419.6 (44051 , 55248.4)	19779 (17833 , 21762)	56005.7 (50496.6 , 61621)	13.3 (8.8 , 18.2)
Qazvin	8329 (7400 , 9315)	48029.1 (42674 , 53718.2)	28186 (25331 , 31231)	51845.5 (46595.2 , 57447.8)	7.9 (3.8 , 12.4)
Qom	6024 (5380 , 6681)	50639.8 (45221 , 56160.5)	26072 (23433 , 28710)	54624.3 (49095.3 , 60150.2)	7.9 (3.8 , 11.8)
Semnan	5939 (5285 , 6593)	51179.3 (45546.3 , 56811)	18507 (16640 , 20454)	54746.5 (49222.2 , 60505.2)	7 (3.2 , 10.7)
Sistan and Baluchistan	8683 (7727 , 9771)	45482.1 (40474.1 , 51182.6)	28115 (25204 , 31083)	49451.5 (44330.7 , 54670.4)	8.7 (4.5 , 13.8)
South Khorasan	6737 (5955 , 7509)	47888 (42327.3 , 53374.4)	21293 (19168 , 23425)	53022.2 (47731 , 58331.3)	10.7 (5.5 , 15.4)
Tehran	75747 (67874 , 84008)	50184.8 (44968.6 , 55657.9)	353082 (317770 , 389815)	51572.9 (46415.1 , 56938.2)	2.8 (-0.3 , 6.5)
West Azarbeyejan	14035 (12473 , 15649)	46839.1 (41628.2 , 52226)	59888 (53627 , 66427)	50361.2 (45096.1 , 55860)	7.5 (3.8 , 11.9)
Yazd	7345 (6579 , 8177)	50782 (45484.3 , 56536)	26417 (23749 , 29044)	56365 (50673.4 , 61970.6)	11 (6.9 , 15.5)
Zanjan	6963 (6203 , 7698)	48752.4 (43429.7 , 53898.7)	28421 (25517 , 31300)	54070.1 (48546.1 , 59547.2)	10.9 (7.2 , 15.2)

Table S2: Deaths due to ischemic heart disease for adults 70 years and older in 1990 and 2019 for both sexes and percentage change in rates per 100,000 in Iran
(Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		Percentage change in rate per 100,000
	No (95% UI)	Rate per 100,000 (95% UI)	No (95% UI)	Rate per 100,000 (95% UI)	
Iran	23821 (21375 , 25623)	2479.4 (2224.8 , 2666.9)	67109 (59744 , 72711)	1932.9 (1720.8 , 2094.2)	-22 (-29.2 , -15.1)
Alborz	498 (413 , 585)	2538.8 (2105.6 , 2984.4)	2257 (1942 , 2548)	2085.2 (1794.2 , 2353.9)	-17.9 (-32.6 , 1.3)
Ardebil	444 (373 , 512)	2796 (2350.6 , 3225.2)	1423 (1250 , 1565)	2525.7 (2219.6 , 2778.2)	-9.7 (-23.5 , 8.6)
Bushehr	240 (200 , 274)	2702.8 (2251 , 3092.4)	765 (680 , 847)	2072.8 (1843.1 , 2295.8)	-23.3 (-34.4 , -8.3)
Chahar Mahaal and Bakhtiari	322 (275 , 368)	2916.4 (2486.4 , 3327.3)	977 (830 , 1126)	2594.7 (2203.8 , 2990.7)	-11 (-25.9 , 7.4)
East Azarbeyejan	1426 (1192 , 1641)	2660.5 (2223.5 , 3060.8)	3480 (3014 , 4223)	1882.3 (1630.5 , 2284.5)	-29.3 (-41.2 , -14.6)
Fars	1677 (1427 , 1897)	2992.1 (2545.2 , 3384.9)	4362 (3723 , 5022)	2183.9 (1864 , 2514.5)	-27 (-38.9 , -10.7)
Gilan	1321 (1140 , 1485)	2945.9 (2542 , 3310.7)	3780 (3273 , 4252)	2423.9 (2098.6 , 2726)	-17.7 (-30.2 , -2.3)
Golestan	542 (462 , 615)	2950.4 (2514.5 , 3345.5)	1548 (1373 , 1693)	2520.2 (2236.6 , 2757.2)	-14.6 (-25.9 , 2.4)
Hamadan	895 (770 , 1030)	2729.7 (2347.7 , 3141.3)	2427 (2065 , 2721)	2569.8 (2186.3 , 2881.6)	-5.9 (-21.2 , 12.1)
Hormozgan	451 (375 , 517)	2852.1 (2371.8 , 3269)	1050 (908 , 1168)	2087.9 (1805.4 , 2324.1)	-26.8 (-38.1 , -9.9)
Ilam	221 (190 , 252)	3800.7 (3265.4 , 4340.5)	468 (409 , 513)	2507.5 (2191.6 , 2750.8)	-34 (-42 , -23.9)
Isfahan	1768 (1450 , 2081)	2399.2 (1967.1 , 2824.3)	5273 (4529 , 5998)	2089.2 (1794.2 , 2376.3)	-12.9 (-28 , 8.2)
Kerman	919 (797 , 1042)	2886.3 (2502.3 , 3272.3)	2329 (1997 , 2658)	2103.4 (1803.2 , 2400.2)	-27.1 (-39.4 , -13.3)
Kermanshah	810 (695 , 927)	3012.8 (2585.5 , 3447.6)	2059 (1781 , 2343)	2397.3 (2073.9 , 2727.9)	-20.4 (-33.4 , -3.6)

Khorasan-e-Razavi	2221 (1929 , 2544)	2723.6 (2366.1 , 3120.2)	5033 (4322 , 5853)	1904 (1635.4 , 2214.6)	-30.1 (-41.8 , -17.4)
Khuzestan	1528 (1326 , 1720)	2807 (2435.5 , 3159.8)	3973 (3471 , 4442)	2467.8 (2156.1 , 2758.6)	-12.1 (-25.2 , 4)
Kohgiluyeh and Boyer-Ahmad	122 (101 , 142)	2607.7 (2152.6 , 3039.2)	569 (471 , 663)	2674 (2213.1 , 3113.9)	2.5 (-16.6 , 25.6)
Kurdistan	622 (537 , 708)	3025.5 (2612.8 , 3446.4)	1419 (1213 , 1588)	2088.5 (1785.4 , 2338.3)	-31 (-40.9 , -19.3)
Lorestan	634 (545 , 723)	2781.9 (2391.5 , 3171.9)	1830 (1579 , 2059)	2508 (2164.1 , 2822)	-9.8 (-24.1 , 7.5)
Markazi	549 (470 , 634)	2252 (1928.6 , 2603.7)	1454 (1226 , 1717)	1734.7 (1462.2 , 2048.6)	-23 (-36.3 , -7.6)
Mazandaran	1081 (914 , 1238)	2411.9 (2038.4 , 2761.5)	3360 (2881 , 3881)	1910.9 (1638.4 , 2207.2)	-20.8 (-33.8 , -3.9)
North Khorasan	195 (162 , 231)	2213.9 (1840.5 , 2626.7)	735 (640 , 849)	2080.2 (1811.4 , 2403)	-6 (-22 , 13.5)
Qazvin	381 (309 , 448)	2197.2 (1781.1 , 2583.8)	1053 (896 , 1188)	1936.1 (1647.7 , 2185.2)	-11.9 (-27.5 , 7.1)
Qom	233 (189 , 275)	1959.3 (1589.3 , 2312.3)	958 (816 , 1071)	2006.4 (1708.8 , 2243.6)	2.4 (-16.1 , 27.3)
Semnan	246 (204 , 285)	2122.4 (1754.5 , 2459)	618 (529 , 715)	1828.4 (1563.4 , 2114.3)	-13.9 (-27.6 , 4.6)
Sistan and Baluchistan	391 (310 , 465)	2048.9 (1626.2 , 2435.4)	1001 (828 , 1175)	1761.4 (1456.2 , 2067.1)	-14 (-30.1 , 8.7)
South Khorasan	260 (220 , 308)	1845.7 (1560.4 , 2189)	716 (608 , 824)	1783.9 (1513.5 , 2052.2)	-3.3 (-19.2 , 16)
Tehran	2257 (1773 , 2771)	1495.7 (1175 , 1835.8)	7391 (6080 , 8647)	1079.6 (888 , 1263)	-27.8 (-42.9 , -8.6)
West Azarbeyejan	915 (797 , 1028)	3052.7 (2658.3 , 3429.7)	2790 (2461 , 3120)	2346.3 (2069.4 , 2624.1)	-23.1 (-34.6 , -9.4)
Yazd	307 (251 , 356)	2122.2 (1734.1 , 2464.6)	816 (694 , 971)	1740.8 (1480.2 , 2071.9)	-18 (-32.8 , 0.6)
Zanjan	344 (292 , 397)	2411.4 (2041.6 , 2777.7)	1194 (1029 , 1312)	2271.9 (1957.7 , 2495.6)	-5.8 (-19.7 , 10.2)

Table S3: DALYs due to ischemic heart disease for adults 70 years and older in 1990 and 2019 for both sexes and percentage change in rates per 100,000 in Iran
(Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		Percentage change in rate per 100,000
	No (95% UI)	Rate per 100,000 (95% UI)	No (95% UI)	Rate per 100,000 (95% UI)	
Iran	342562 (311195 , 367230)	35654.2 (32389.5 , 38221.7)	820446.5 (745654.2 , 882346.2)	23630.9 (21476.7 , 25413.7)	-33.7 (-39.8 , -28)
Alborz	6770 (5642 , 7946)	34525.8 (28770.6 , 40524.2)	29117.5 (25305.7 , 32851.1)	26895.5 (23374.6 , 30344.3)	-22.1 (-36.3 , -3.6)
Ardebil	6080 (5116 , 7073)	38274.6 (32203.3 , 44523.9)	17309.7 (15358.1 , 19006.5)	30726.7 (27262.4 , 33738.9)	-19.7 (-32.7 , -3.1)
Bushehr	3523 (2950 , 4035)	39721.7 (33264.2 , 45494.8)	10151.9 (9079.8 , 11254.7)	27501.6 (24597.3 , 30489.2)	-30.8 (-41.2 , -16.6)
Chahar Mahaal and Bakhtiari	4612 (3947 , 5282)	41717.3 (35705 , 47774.5)	11460 (9823.8 , 13236.9)	30425 (26081.1 , 35142.6)	-27.1 (-39.6 , -11.2)
East Azarbeyejan	19920 (16675 , 23160)	37159.4 (31106.3 , 43202.8)	44468 (38696.4 , 53470)	24053.9 (20931.9 , 28923.2)	-35.3 (-46.7 , -21.6)
Fars	24242 (20572 , 27562)	43252.4 (36703.9 , 49174.6)	51690.7 (44550.2 , 59653)	25879.3 (22304.3 , 29865.7)	-40.2 (-50.1 , -25.8)
Gilan	19409 (16694 , 21867)	43279.1 (37225.6 , 48760)	46347.3 (40647.2 , 52183.4)	29716.9 (26062.1 , 33458.8)	-31.3 (-42.3 , -17.6)
Golestan	7908 (6736 , 9057)	43040.2 (36662.6 , 49296)	19946.7 (17981.6 , 21875.3)	32484.6 (29284.4 , 35625.5)	-24.5 (-35.6 , -8.9)
Hamadan	13382 (11509 , 15535)	40820.4 (35105.8 , 47386)	29140.7 (25317.9 , 32628.6)	30856 (26808.3 , 34549.3)	-24.4 (-37.5 , -9.5)
Hormozgan	6679 (5426 , 7680)	42194.8 (34277.7 , 48520.6)	12920 (11302.4 , 14288.3)	25700.9 (22483.1 , 28422.7)	-39.1 (-48.9 , -23.4)
Ilam	2894 (2489 , 3306)	49809 (42841 , 56905.8)	5677.6 (5050.2 , 6191.7)	30432.7 (27070 , 33188.1)	-38.9 (-46.7 , -29.2)
Isfahan	25099 (20633 , 29716)	34060.5 (28000.1 , 40325.1)	63350.2 (54699.7 , 71923)	25097.9 (21670.8 , 28494.2)	-26.3 (-39.6 , -7.5)
Kerman	13901 (12020 , 15800)	43639.3 (37734.1 , 49601.4)	27610.2 (23772.5 , 31451.1)	24932.1 (21466.6 , 28400.3)	-42.9 (-52.5 , -31.3)
Kermanshah	11767 (10099 , 13609)	43770.6 (37564.8 , 50623.3)	25119.6 (22050.1 , 28469.8)	29250.4 (25676.1 , 33151.5)	-33.2 (-44.6 , -18.7)

Khorasan-e-Razavi	34109 (29627 , 39198)	41831.7 (36335.5 , 48073)	63499.4 (55451.7 , 73426.6)	24025 (20980.1 , 27780.9)	-42.6 (-52.4 , -32.2)
Khuzestan	21835 (18849 , 24706)	40109.1 (34623.9 , 45382.2)	49145.4 (43468.1 , 54978.9)	30524.1 (26997.9 , 34147.2)	-23.9 (-35.5 , -9.3)
Kohgiluyeh and Boyer-Ahmad	1647 (1360 , 1925)	35180.3 (29051.4 , 41115)	6559.7 (5468.1 , 7644.4)	30814.2 (25686.5 , 35909.6)	-12.4 (-29.2 , 8.4)
Kurdistan	8755 (7525 , 10021)	42588.4 (36602.7 , 48744.4)	17230.1 (15075.4 , 19130.6)	25363.5 (22191.6 , 28161.1)	-40.4 (-49.4 , -30)
Lorestan	9040 (7738 , 10354)	39668.3 (33955.9 , 45437.2)	22559.9 (19465.7 , 25427.7)	30918.8 (26678.2 , 34849.2)	-22.1 (-35 , -7.1)
Markazi	8019 (6880 , 9299)	32913 (28237.8 , 38166)	16863.8 (14408.6 , 19796.3)	20117.6 (17188.6 , 23615.9)	-38.9 (-49.7 , -26)
Mazandaran	15662 (13224 , 18044)	34945.1 (29504.9 , 40258.2)	40943.5 (35472.8 , 47005)	23282.7 (20171.8 , 26729.6)	-33.4 (-44.5 , -19.1)
North Khorasan	3024 (2525 , 3605)	34335.8 (28669.6 , 40940.9)	9278 (8181.3 , 10698)	26271.6 (23166.2 , 30292.5)	-23.5 (-36.8 , -7.7)
Qazvin	5708 (4660 , 6715)	32916.1 (26871.7 , 38724)	13127.3 (11330.3 , 14847.1)	24146.8 (20841.3 , 27310.3)	-26.6 (-39.7 , -10.5)
Qom	3410 (2778 , 4051)	28667.1 (23355 , 34050.9)	11638.1 (10072.3 , 12938.9)	24383 (21102.5 , 27108.3)	-14.9 (-30.3 , 7)
Semnan	3764 (3096 , 4389)	32436.2 (26676.5 , 37819.3)	7865.7 (6754.3 , 9099.7)	23267.8 (19980.2 , 26918.2)	-28.3 (-40.1 , -11.6)
Sistan and Baluchistan	5896 (4555 , 7085)	30883.6 (23859.7 , 37112)	12514.7 (10586.1 , 14615.3)	22011.8 (18619.7 , 25706.4)	-28.7 (-42.4 , -6.6)
South Khorasan	3856 (3247 , 4580)	27407.1 (23078 , 32553)	8417.1 (7226 , 9625.5)	20959.6 (17993.5 , 23968.6)	-23.5 (-36.1 , -7.9)
Tehran	29229 (23224 , 36101)	19365.5 (15386.9 , 23918.4)	87307 (73612.8 , 101642.2)	12752.5 (10752.2 , 14846.3)	-34.1 (-48.1 , -16.7)
West Azarbeyejan	12797 (11066 , 14568)	42708.9 (36930.6 , 48619.2)	34794.5 (30757.3 , 38886.4)	29259.4 (25864.5 , 32700.5)	-31.5 (-42 , -18.2)
Yazd	4577 (3770 , 5331)	31644.8 (26062.9 , 36858.8)	9895.7 (8466.7 , 11616.3)	21114.2 (18065.1 , 24785.4)	-33.3 (-45.2 , -17.2)
Zanjan	5045 (4271 , 5869)	35324.1 (29906.8 , 41092.3)	14496.6 (12705.9 , 15915.5)	27579.6 (24172.7 , 30279.1)	-21.9 (-34.3 , -8)

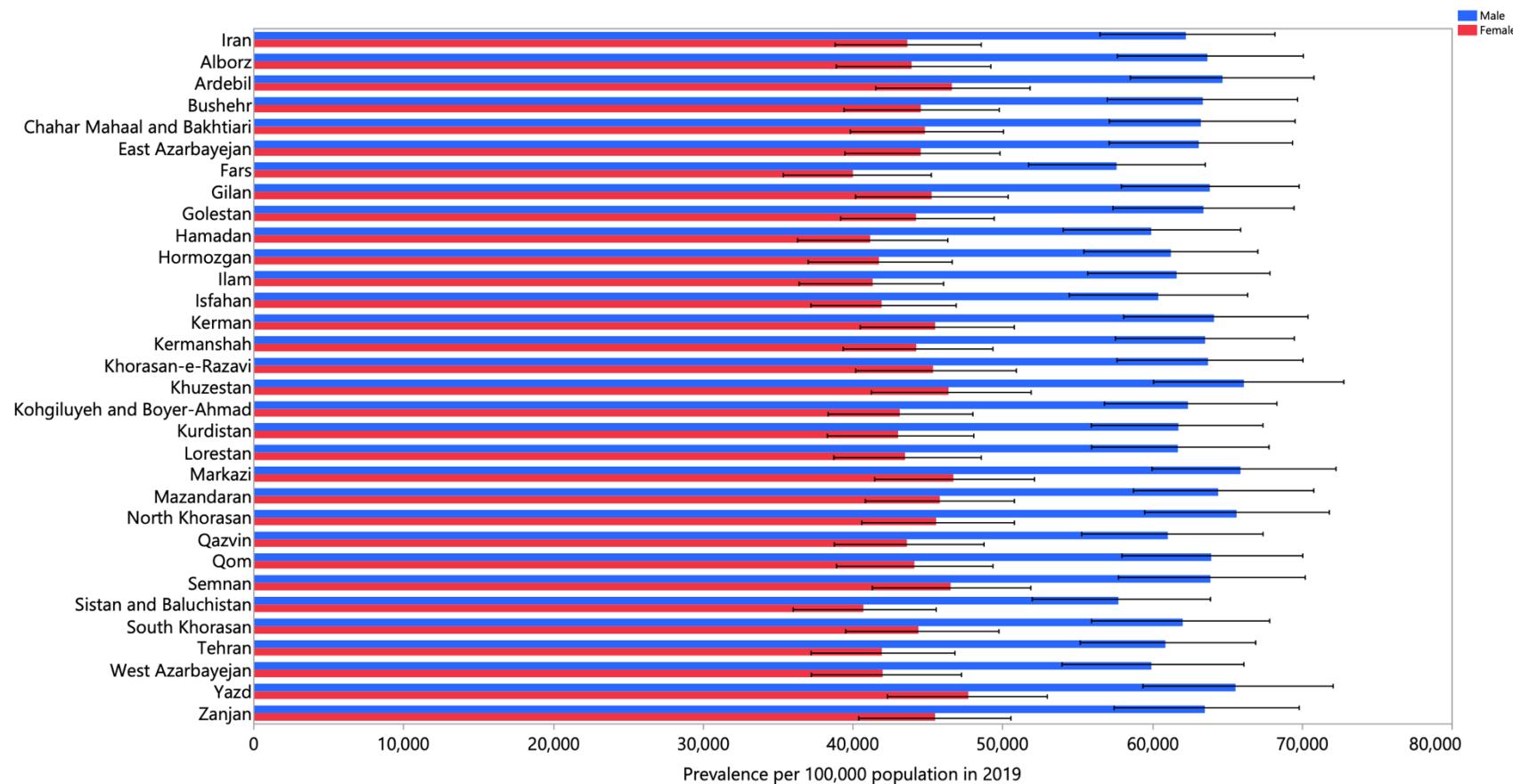


Figure S1. The Point Prevalence of IHD (per 100,000 population) for Adults Aged 70 and Older in 2019 by Sex and Province

Note. IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.

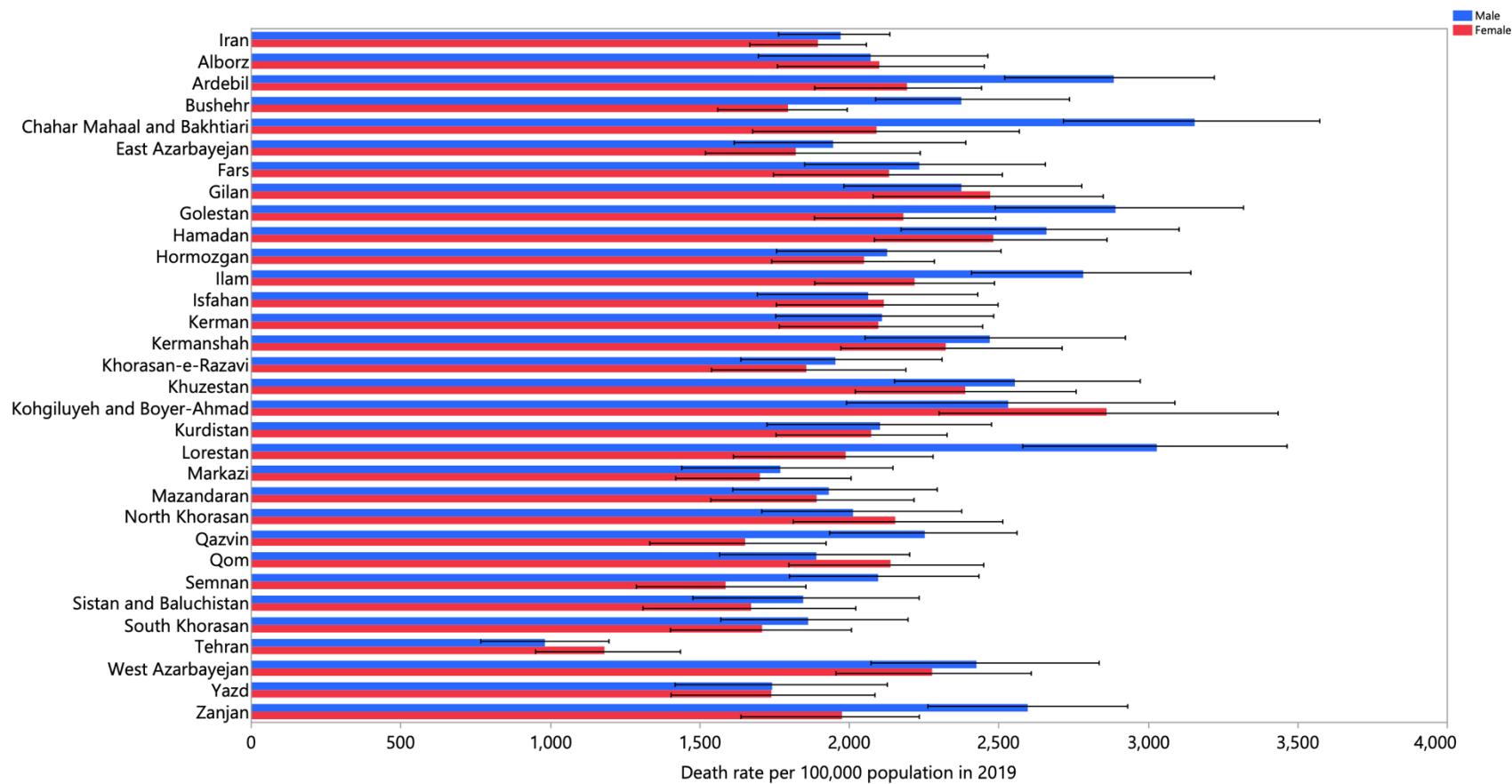


Figure S2. The Death Rate of IHD (per 100,000 population) for Adults Aged 70 and Older in 2019 by Sex and Province

Note. IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.

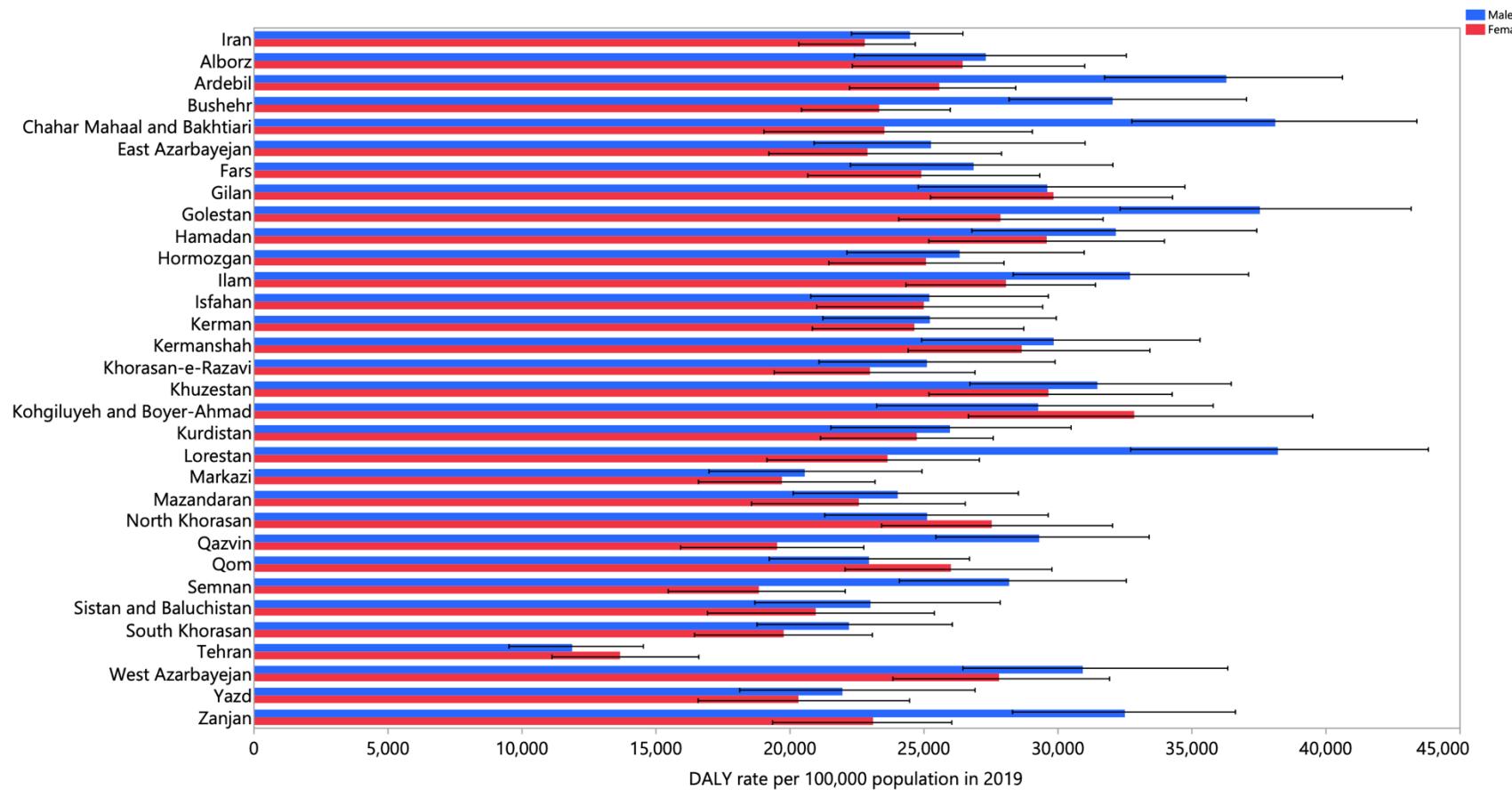


Figure S3. The DALY Rate of IHD (per 100,000 population) for Adults Aged 70 and Older in 2019, by Sex and Province

Note. DALY: Disability-adjusted life year; IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.

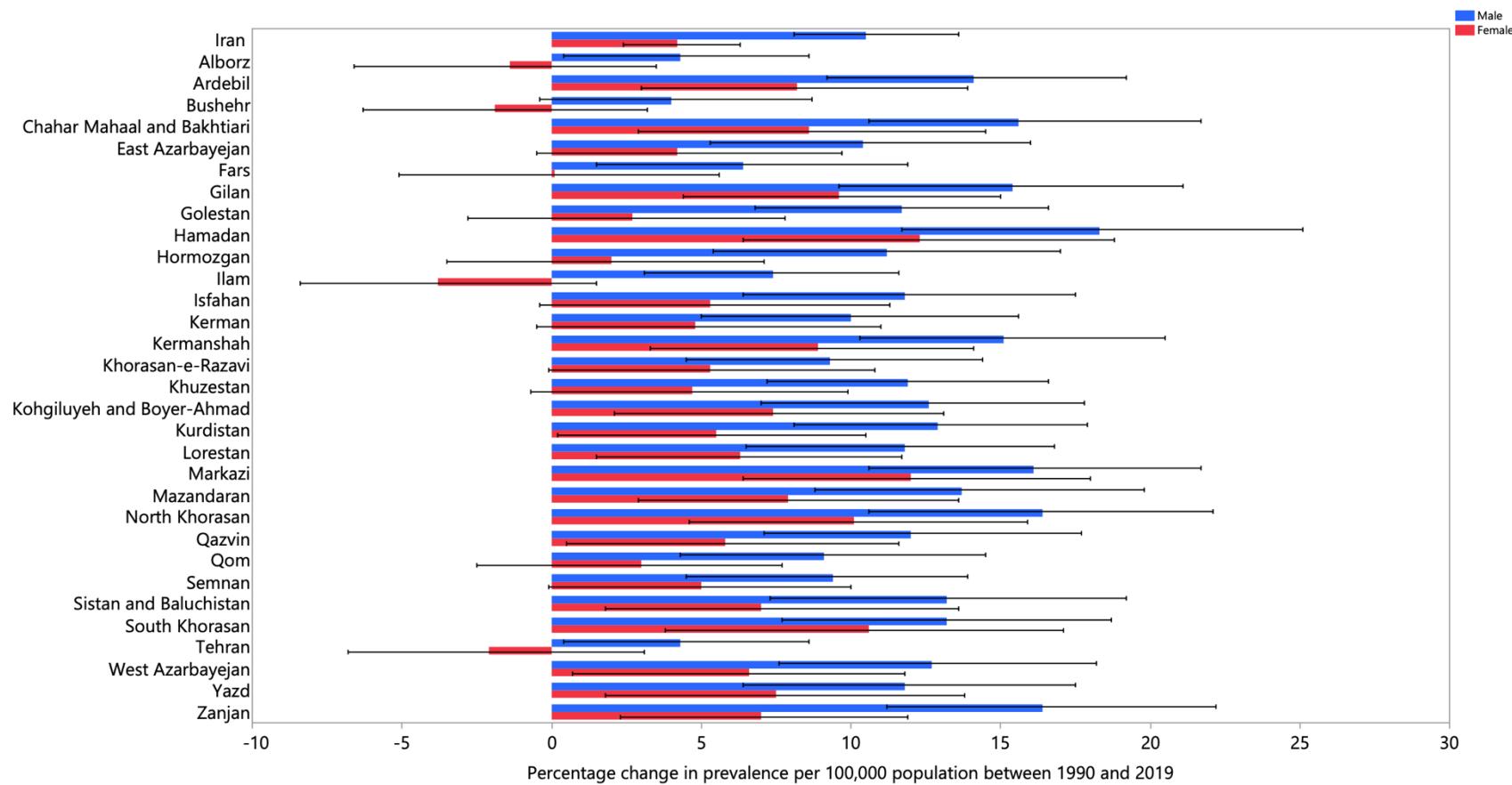


Figure S4. The Percentage Change in the Point Prevalence of IHD from 1990 to 2019 for Adults Aged 70 and older by Sex and Province

Note. IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.

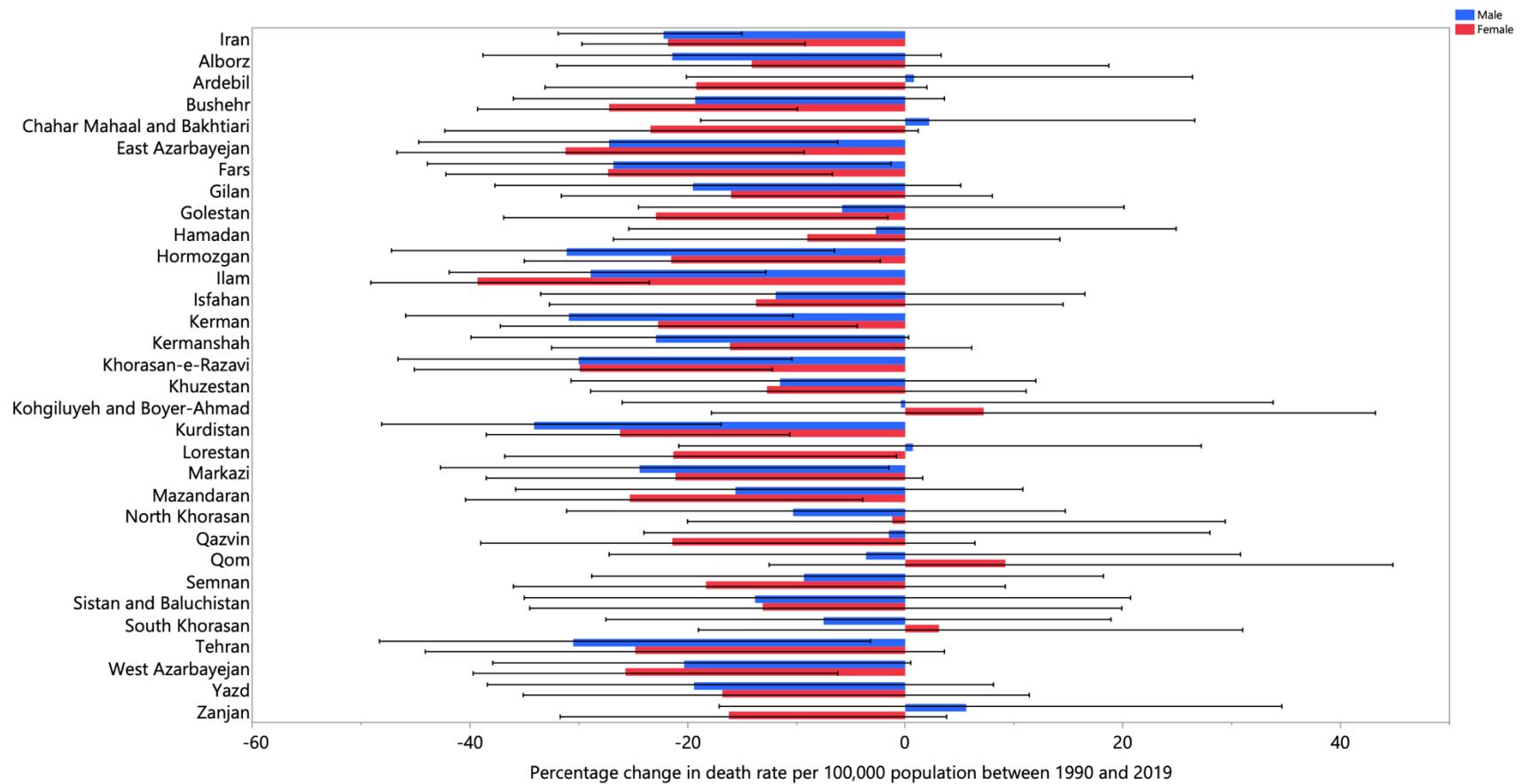


Figure S5. The Percentage Change in the Death Rate of IHD from 1990 to 2019 for Adults Aged 70 and Older, by Sex and Province

Note. IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.

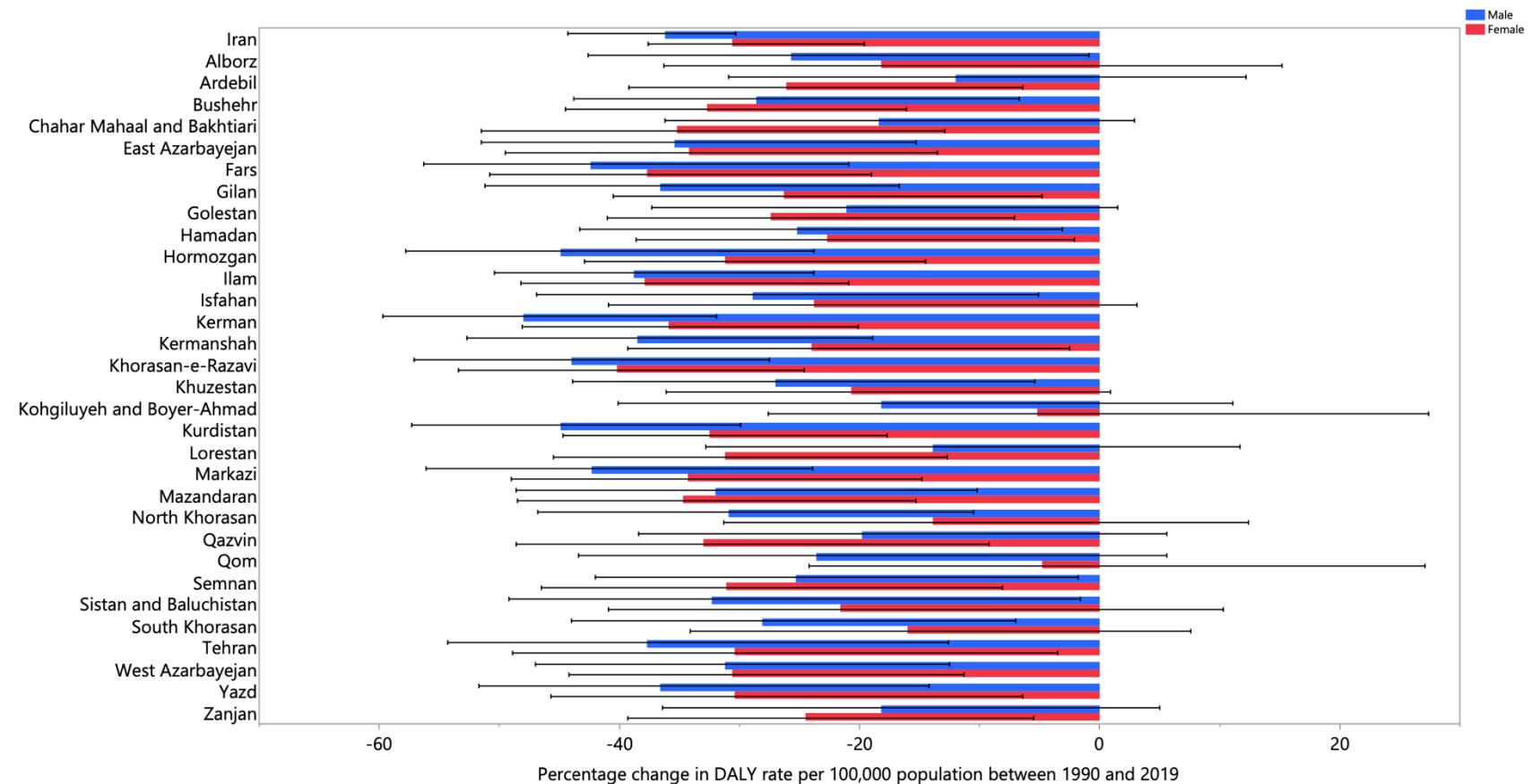


Figure S6. The Percentage Change in the DALY Rate of IHD from 1990 to 2019 for Adults Aged 70 and Older by Sex and Province

Note. DALY: Disability-adjusted life year; IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.

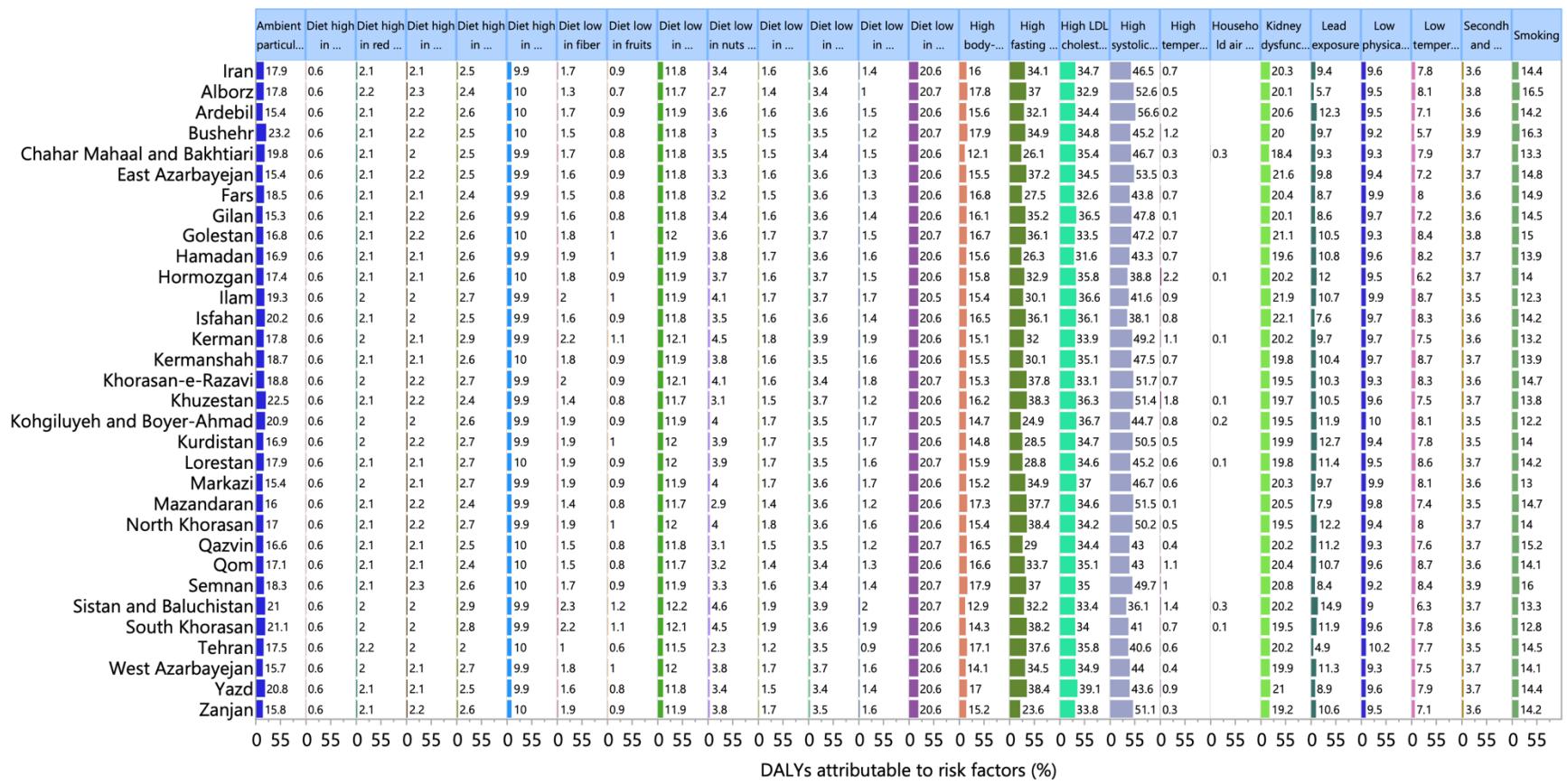


Figure S7. Percent of DALYs due to ischemic heart disease which were attributable to each risk factor for adults 70 years and older in Iran in 2019, for males.

Note. DALY: Disability-adjusted life year; IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.

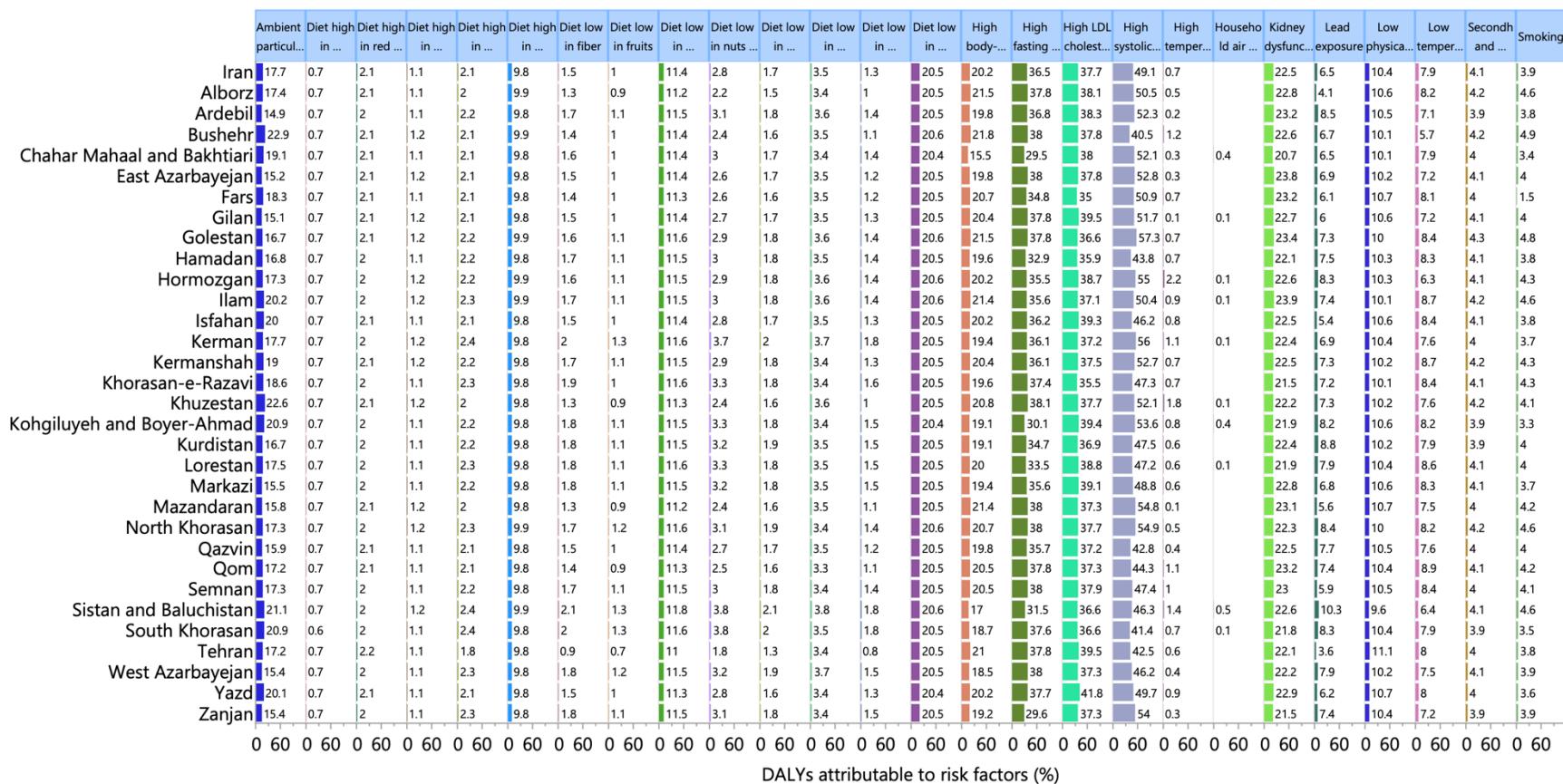


Figure S8. Percent of DALYs due to ischemic heart disease which were attributable to each risk factor for adults 70 years and older in Iran in 2019, for females.

Note. DALY: Disability-adjusted life year; IHD: Ischemic heart disease. Generated from data available from <http://ghdx.healthdata.org/gbd-results-tool>.