

Online Table 1: QRISK2 - NICE Framingham reclassification (Men) into low, intermediate and high risk

NICE Framingham		QRISK2				TOTALS	Number reclassified (%)
		Low	Intermediate		High		
		< 10%	10% – 15%	15% – 20%	≥ 20%		
<10%	n (range)	372225 (352715, 394547)	7033 (6427, 7865)	2965 (2754, 3243)	2103 (1912, 2288)	384326 (364057, 407610)	12101 (3.1)
	CVD events (range)	5830 (5172, 6505)	449 (370, 583)	167 (136, 221)	134 (117, 147)	6580 (5824, 7416)	
	Observed risk	2.89 (2.48 to 3.29)	10.94 (8.79 to 13.10)	10.85 (8.20 to 13.51)	13.34 (9.79 to 16.90)	3.14 (2.70 to 3.57)	
	Mean risk QRISK2	2.90 (2.85 to 2.95)	12.00 (11.95 to 12.06)	17.27 (17.19 to 17.34)	23.42 (23.21 to 23.62)	3.29 (3.19 to 3.39)	
	Mean risk NICE	5.44 (5.34 to 5.53)	6.97 (6.45 to 7.49)	6.43 (5.50 to 7.37)	7.06 (6.40 to 7.72)	5.48 (5.36 to 5.60)	
10%-15%	n (range)	107871 (103668, 110696)	20554 (18861, 22316)	4977 (4510, 5465)	2508 (2145, 2938)	135910 (133685, 138657)	115356 (84.9)
	CVD events (range)	3833 (3593, 4035)	1623 (1400, 1859)	587 (470, 708)	276 (246, 337)	6319 (5757, 6860)	
	Observed risk	6.10 (5.58 to 6.62)	12.26 (10.40 to 14.12)	18.24 (14.38 to 22.10)	19.18 (14.79 to 23.58)	7.68 (6.85 to 8.52)	
	Mean risk QRISK2	6.34 (6.28 to 6.41)	11.89 (11.84 to 11.93)	16.98 (16.93 to 17.02)	24.65 (24.13 to 25.18)	7.91 (7.69 to 8.13)	
	Mean risk NICE	12.16 (12.12 to 12.20)	12.94 (12.91 to 12.97)	13.04 (12.95 to 13.12)	12.79 (12.56 to 13.01)	12.32 (12.28 to 12.36)	
15%-20%	n (range)	35846 (31592, 39159)	34080 (32712, 35727)	13627 (12367, 14800)	6620 (5874, 7480)	90170 (87088, 93799)	76546 (84.9)
	CVD events (range)	1601 (1526, 1725)	2617 (2446, 2819)	1552 (1356, 1717)	925 (766, 1074)	6695 (6249, 7168)	
	Observed risk	7.53 (6.50 to 8.56)	12.16 (11.20 to 13.12)	17.42 (14.91 to 19.93)	22.00 (18.57 to 25.43)	11.78 (10.62 to 12.94)	
	Mean risk QRISK2	8.05 (7.98 to 8.12)	12.16 (12.09 to 12.23)	17.09 (17.04 to 17.15)	24.07 (23.67 to 24.47)	12.15 (11.70 to 12.60)	
	Mean risk NICE	16.89 (16.85 to 16.94)	17.53 (17.46 to 17.59)	17.79 (17.74 to 17.84)	17.91 (17.86 to 17.96)	17.34 (17.32 to 17.37)	
≥20%	n (range)	5183 (4146, 6120)	33008 (28037, 37371)	41402 (37566, 44763)	95731 (85884, 105245)	175324 (155674, 193429)	79593 (45.4)
	CVD events (range)	236 (210, 275)	2458 (2172, 2722)	4430 (4071, 4609)	15690 (14410, 17014)	22814 (21157, 24563)	
	Observed risk	7.70 (5.76 to 9.65)	11.93 (10.05 to 13.81)	16.45 (14.80 to 18.10)	24.52 (22.74 to 26.31)	19.76 (17.97 to 21.55)	
	Mean risk QRISK2	8.99 (8.95 to 9.03)	12.77 (12.74 to 12.80)	17.49 (17.46 to 17.52)	28.87 (28.45 to 29.29)	22.57 (22.20 to 22.94)	
	Mean risk NICE	21.69 (21.60 to 21.78)	23.75 (23.49 to 24.01)	26.69 (26.03 to 27.35)	35.47 (33.59 to 37.36)	30.79 (29.59 to 31.98)	
TOTALS	n (range)	521125 (508556, 534767)	94675 (91661, 97412)	62971 (60758, 65078)	106962 (98293, 115929)	785733	283596 (36.1)
	CVD events (range)	11500 (10721, 12266)	7147 (6951, 7386)	6736 (6558, 6919)	17025 (15917, 18167)	42408	
	Observed risk	4.00 (3.68 to 4.32)	12.02 (11.22 to 12.82)	16.59 (15.43 to 17.75)	24.12 (22.68 to 25.56)	9.00 (8.90 to 9.10)	
	Mean risk QRISK2	4.03 (3.92 to 4.14)	12.30 (12.27 to 12.33)	17.35 (17.32 to 17.38)	28.37 (27.88 to 28.86)	9.41 (8.88 to 9.94)	
	Mean risk NICE	7.78 (7.47 to 8.09)	17.91 (17.26 to 18.56)	22.73 (21.76 to 23.70)	33.30 (31.20 to 35.39)	13.68 (12.63 to 14.72)	

Online Table 2: QRISK2 - NICE Framingham reclassification (Women) into low, intermediate and high risk

NICE Framingham		QRISK2				TOTALS	Number reclassified (%)
		Low	Intermediate		High		
		< 10%	10% – 15%	15% – 20%	≥ 20%		
<10%	n (range)	557714 (546789, 565598)	20113 (18748, 21378)	6520 (6021, 7096)	1444 (1186, 1782)	585791 (574080, 594753)	28077 (4.8)
	CVD events (range)	7988 (7389, 8428)	1552 (1356, 1692)	612 (542, 677)	172 (142, 192)	10324 (9462, 10912)	
	Observed risk	2.45 (2.23 to 2.68)	12.33 (10.65 to 14.02)	15.25 (12.60 to 17.90)	20.57 (15.10 to 26.05)	2.97 (2.68 to 3.27)	
	Mean risk QRISK2	2.47 (2.43 to 2.50)	12.07 (12.05 to 12.10)	16.89 (16.75 to 17.04)	23.14 (22.90 to 23.38)	3.01 (2.90 to 3.12)	
	Mean risk NICE	3.45 (3.38 to 3.53)	7.05 (6.85 to 7.26)	7.05 (6.53 to 7.58)	7.27 (6.63 to 7.91)	3.63 (3.52 to 3.73)	
10%-15%	n (range)	52444 (50389, 56468)	27993 (26894, 29074)	13885 (13444, 14463)	4971 (4690, 5322)	99293 (95560, 105327)	71300 (71.8)
	CVD events (range)	2112 (2033, 2180)	2087 (2028, 2171)	1501 (1385, 1571)	691 (652, 740)	6391 (6239, 6555)	
	Observed risk	6.30 (5.72 to 6.89)	11.04 (10.25 to 11.84)	15.69 (13.89 to 17.48)	20.75 (18.55 to 22.94)	9.67 (8.99 to 10.35)	
	Mean risk QRISK2	6.99 (6.94 to 7.05)	12.22 (12.19 to 12.26)	17.13 (17.10 to 17.17)	23.36 (23.24 to 23.49)	10.71 (10.55 to 10.87)	
	Mean risk NICE	11.96 (11.92 to 11.99)	12.46 (12.41 to 12.51)	12.67 (12.62 to 12.72)	12.93 (12.88 to 12.99)	12.25 (12.22 to 12.28)	
15%-20%	n (range)	11336 (10278, 12707)	18567 (17632, 20117)	13795 (12888, 14534)	9333 (8818, 9913)	53031 (50789, 56945)	39236 (74.0)
	CVD events (range)	516 (480, 573)	1408 (1257, 1519)	1466 (1366, 1549)	1278 (1198, 1375)	4668 (4370, 4992)	
	Observed risk	7.08 (5.85 to 8.30)	11.24 (10.11 to 12.38)	15.33 (14.12 to 16.54)	19.66 (18.16 to 21.16)	12.90 (12.11 to 13.70)	
	Mean risk QRISK2	8.10 (8.05 to 8.15)	12.45 (12.41 to 12.50)	17.32 (17.28 to 17.35)	23.96 (23.85 to 24.08)	14.82 (14.54 to 15.09)	
	Mean risk NICE	16.79 (16.73 to 16.84)	17.20 (17.14 to 17.25)	17.39 (17.35 to 17.43)	17.61 (17.57 to 17.65)	17.23 (17.20 to 17.26)	
≥20%	n (range)	1617 (1360, 1979)	9219 (7938, 10588)	14642 (12890, 16077)	33780 (30423, 36205)	59258 (52611, 64332)	25478 (43.0)
	CVD events (range)	83 (69, 95)	689 (620, 785)	1574 (1418, 1704)	5328 (4888, 6000)	7674 (7095, 8544)	
	Observed risk	8.23 (5.18 to 11.29)	11.09 (8.17 to 14.02)	15.30 (12.71 to 17.88)	22.36 (18.94 to 25.78)	18.53 (15.46 to 21.60)	
	Mean risk QRISK2	8.81 (8.74 to 8.87)	12.84 (12.79 to 12.90)	17.59 (17.55 to 17.62)	28.19 (27.79 to 28.59)	22.66 (22.02 to 23.30)	
	Mean risk NICE	21.94 (21.75 to 22.12)	23.35 (23.07 to 23.62)	25.05 (24.58 to 25.52)	30.97 (30.17 to 31.76)	28.07 (27.47 to 28.68)	
TOTALS	n (range)	623111 (61632, 628832)	75892 (74521, 78165)	48842 (47606, 51067)	49528 (46059, 52626)	797373	164091 (20.6)
	CVD events (range)	10699 (10203, 11177)	5736 (5615, 5876)	5153 (5016, 5249)	7469 (7047, 8123)	29057	
	Observed risk	2.92 (2.73 to 3.11)	11.42 (10.88 to 11.96)	15.41 (14.67 to 16.14)	21.67 (19.39 to 23.94)	5.89 (5.81 to 5.96)	
	Mean risk QRISK2	2.97 (2.87 to 3.06)	12.32 (12.28 to 12.36)	17.29 (17.24 to 17.33)	26.76 (26.42 to 27.10)	6.21 (6.01 to 6.42)	
	Mean risk NICE	4.46 (4.28 to 4.64)	13.51 (13.09 to 13.93)	16.96 (16.35 to 17.58)	25.95 (24.95 to 26.94)	7.42 (7.10 to 7.75)	