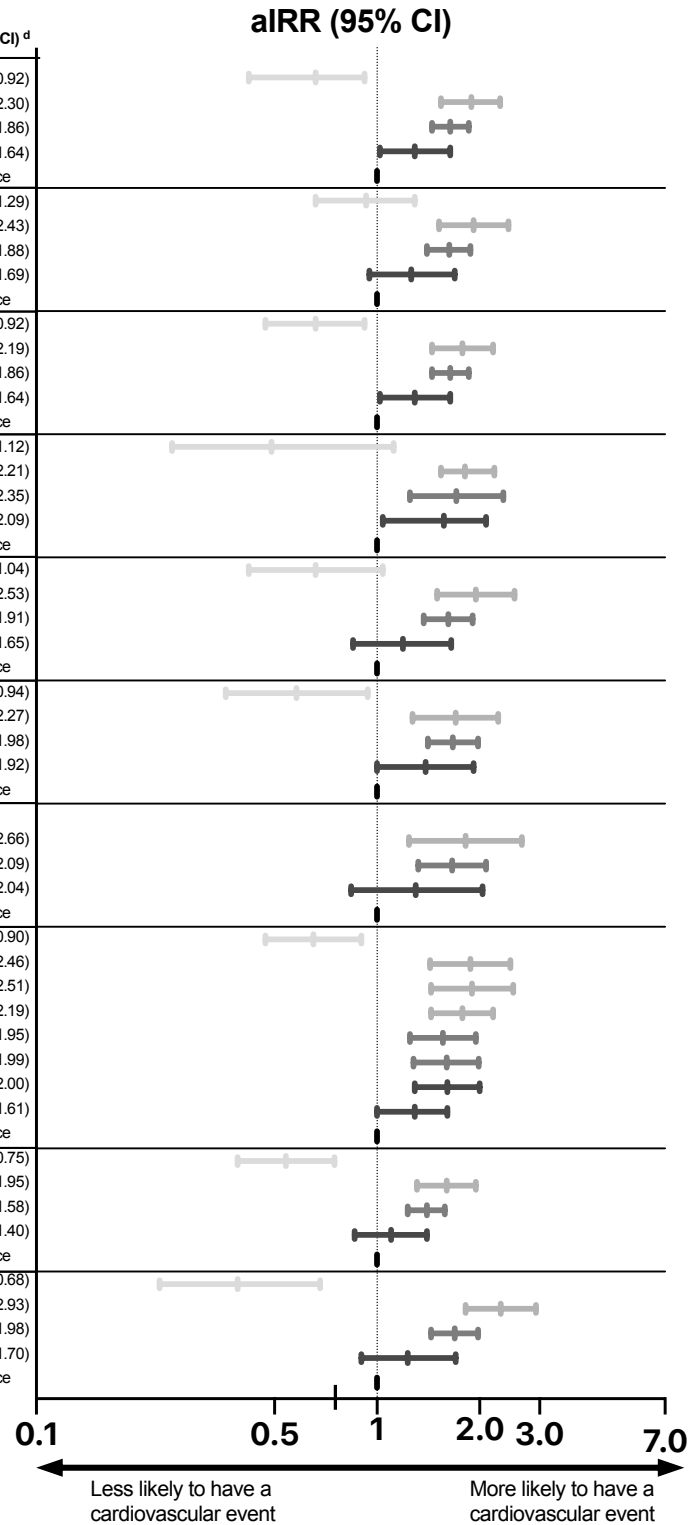	Timer period	Number of events [a]	Events/1000 person -days (95%CI)	Unadjusted absolute difference in event rate/1000 person-days (95%CI)	aIRR (95% CI) [d]
Main analysis [b] [N=1421]	30 to 1 days before flare [c]	37	0.87	-0.44 (-0.74 to -0.15)	0.66 (0.42-0.92)
	Flare date to 60 days after flare	218	2.49	1.17 (0.83 - 1.52)	1.89 (1.54-2.30)
	61-120 days after flare	183	2.16	0.84 (0.52 - 1.17)	1.64 (1.45-1.86)
	121-180 days after flare	144	1.70	0.38 (0.09 - 0.67)	1.29 (1.02-1.64)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	839	1.32	Reference	Reference
Excluding patients with fatal cardiovascular events [b] [N=1020]	30 to 1 days before flare [c]	37	1.22	-0.09 (-0.49 - 0.32)	0.93 (0.66-1.29)
	Flare date to 60 days after flare	158	2.52	1.21 (0.81 - 1.62)	1.92 (1.52-2.43)
	61-120 days after flare	129	2.13	0.82 (0.44 – 1.20)	1.63 (1.40-1.88)
	121-180 days after flare	100	1.65	0.34 (0.00 - 0.68)	1.26 (0.95-1.69)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	596	1.31	Reference	Reference
Excluding patients with cardiovascular event on the same date as consultation for gout flare [b] [N=1417]	30 to 1 days before flare [c]	37	0.88	-0.44 (-0.74 to -0.15)	0.66 (0.47-0.92)
	Flare date to 60 days after flare	206	2.36	1.04 (0.70 - 1.37)	1.78 (1.45-2.19)
	61-120 days after flare	183	2.17	0.85 (0.52 - 1.17)	1.64 (1.45-1.86)
	121-180 days after flare	144	1.71	0.39 (0.09 - 0.68)	1.29 (1.02-1.64)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	839	1.32	Reference	Reference
Excluding patients with cardiovascular disease prior to gout diagnosis [b] [N=636]	30 to 1 days before flare [c]	9	0.48	-0.81 (-1.14 - 0.47)	0.49 (0.25-1.12)
	Flare date to 60 days after flare	89	2.27	0.99 (0.50 - 1.48)	1.81 (1.54-2.21)
	61-120 days after flare	86	2.27	0.99 (0.49 - 1.49)	1.71 (1.25-2.35)
	121-180 days after flare	76	2.01	0.73 (0.26 -1.20)	1.57 (1.04-2.09)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	365	1.28	Reference	Reference
Considering acute myocardial infarction as the outcome [b] [N=813]	30 to 1 days before flare [c]	23	0.95	-0.37 (-0.7 - 0.03)	0.66 (0.42-1.04)
	Flare date to 60 days after flare	128	2.56	1.24 (0.78 -1.69))	1.95 (1.50-2.53)
	61-120 days after flare	103	2.13	0.81 (0.38 – 1.23)	1.62 (1.37-1.91)
	121-180 days after flare	76	1.57	0.25 (-0.13 - 0.62)	1.19 (0.85-1.65)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	482	1.32	Reference	Reference
Considering stroke as the outcome [b] [N=735]	30 to 1 days before flare [c]	17	0.78	-0.54 (-0.93 to -0.15)	0.58 (0.36-0.94)
	Flare date to 60 days after flare	102	2.26	0.94 (0.48 -1.39)	1.70 (1.27-2.27)
	61-120 days after flare	97	2.22	0.90 (0.44 - 1.36)	1.67 (1.41-1.98)
	121-180 days after flare	80	1.83	0.51 (0.01 - 0.93)	1.39 (1.00-1.92)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	434	1.32	Reference	Reference
Considering fatal cardiovascular events as the outcome [b] [N=1421]	30 to 1 days before flare [c]	0	0.00	-0.38 (-0.43 to -0.33)	/
	Flare date to 60 days after flare	60	0.69	0.31 (0.13 - 0.49)	1.82 (1.24-2.66)
	61-120 days after flare	53	0.63	0.25 (0.07 - 0.42)	1.66 (1.32-2.09)
	121-180 days after flare	42	0.50	0.12 (-0.04 - 0.27)	1.30 (0.84-2.04)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	242	0.38	Reference	Reference
Applying shorter time intervals for risk periods [b] [N=1421]	30 to 1 days before flare [c]	37	0.87	-0.44 (-0.74 to -0.15)	0.65 (0.47-0.90)
	Flare date to 15 days after flare	56	2.48	1.16 (0.51 – 1.82)	1.88 (1.43-2.46)
	16-30 days after flare	53	2.50	1.19 (0.51 – 1.87)	1.90 (1.44-2.51)
	31-60 days after flare	99	2.34	1.02 (0.55 - 1.49)	1.78 (1.44-2.19)
	61-90 days after flare	87	2.05	0.74 (0.30 - 1.18)	1.56 (1.25-1.95)
	91-120 days after flare	89	2.10	0.78 (0.34 – 1.23)	1.60 (1.28-1.99)
	121-150 days after flare	91	2.15	0.83 (0.38 – 1.28)	1.61 (1.29-2.00)
	151-180 days after flare	72	1.70	0.38 (-0.02 - 0.79)	1.29 (1.00-1.61)
	Baseline period: 180 to 31 days before flare + 181-540 days after flare	839	1.32	Reference	Reference
Considering only post-flare period as baseline [b] [N=1378]	30 to 1 days before flare [c]	37	0.90	-0.70 (-1.01 to -0.39)	0.54 (0.39-0.75)
	Flare date to 60 days after flare	218	2.57	0.97 (0.61 – 1.33)	1.60 (1.31-1.95)
	61-120 days after flare	183	2.23	0.63 (0.29 – 0.97)	1.40 (1.23-1.58)
	121-180 days after flare	144	1.76	0.16 (-0.16 - 0.46)	1.10 (0.86-1.40)
	Baseline period: 181-540 days after flare	550	1.60	Reference	Reference
Excluding patients with cardiovascular event or controls with matched index date before 1st January 2010 [b] [N=857]	30 to 1 days before flare [c]	13	0.51	-0.79 (-1.09 to -0.49)	0.39 (0.23-0.68)
	Flare date to 60 days after flare	158	3.0	1.69 (1.21 - 2.17	2.31 (1.82-2.93)
	61-120 days after flare	112	2.20	0.89 (0.47 – 1.32)	1.69 (1.44-1.98)
	121-180 days after flare	82	1.61	0.30 (-0.01 to 0.67)	1.23 (0.90-1.70)
	Baseline period: 181-540 days after flare	500	1.30	Reference	Reference