

Appendix: Incidence rate, age adjusted ratio, and fully adjusted ratio of cardiovascular adverse events before and after methylphenidate [posted as supplied by author]

Risk Periods	N	Person-years	Incidence rate	Age adjusted rate ratio
Arrhythmias				
Unexposed	630	2,707	2.06 (1.95 to 2.18)	1.00
Exposed	234	749	3.41 (3.16 to 3.67)	1.66 (1.51 to 1.82)
Times since initiation of methylphenidate				
1-3 days	24	52	4.91 (4.29 to 5.60)	2.42 (2.11 to 2.78)
4-7 days	26	68	4.04 (3.56 to 4.60)	2.00 (1.75 to 2.28)
8-14 days	35	109	3.42 (3.06 to 3.82)	1.69 (1.50 to 1.90)
15-28 days	45	152	3.17 (2.87 to 3.50)	1.56 (1.41 to 1.74)
29-56 days	51	145	3.79 (3.44 to 4.16)	1.87 (1.69 to 2.07)
> 56 days	53	224	2.53 (2.29 to 2.80)	1.25 (1.12 to 1.40)
Hypertension				
Unexposed	304	1,249	2.15 (1.98 to 2.33)	1.00
Exposed	92	335	2.75 (2.43 to 3.10)	1.28 (1.11 to 1.48)
Times since initiation of methylphenidate				
1-3 days	6	22	2.70 (2.08 to 3.50)	1.26 (0.96 to 1.64)
4-7 days	11	29	3.75 (3.09 to 4.55)	1.74 (1.43 to 2.13)
8-14 days	8	47	1.69 (1.35 to 2.12)	0.79 (0.62 to 0.99)
15-28 days	19	68	2.78 (2.39 to 3.24)	1.29 (1.10 to 1.52)
29-56 days	18	70	2.60 (2.23 to 3.04)	1.21 (1.03 to 1.43)
> 56 days	30	99	3.17 (2.77 to 3.63)	1.47 (1.27 to 1.71)
Myocardial Infarction				
Unexposed	42	170	1.56 (1.25 to 1.95)	1.00
Exposed	10	38	2.70 (1.94 to 3.75)	1.73 (1.16 to 2.58)
Times since initiation of methylphenidate				
1-3 days	0	3	NA	NA
4-7 days	0	3	NA	NA
8-14 days	3	6	5.84 (4.08 to 8.35)	3.44 (2.33 to 5.08)
15-28 days	2	7	2.99 (1.93 to 4.61)	1.76 (1.11 to 2.79)
29-56 days	3	8	4.32 (3.00 to 6.22)	2.55 (1.71 to 3.80)
> 56 days	2	12	1.88 (1.19 to 2.97)	1.11 (0.68 to 1.81)
Ischemic Stroke				
Unexposed	57	210	2.22 (1.86 to 2.65)	1.00
Exposed	10	58	1.51 (1.05 to 2.16)	0.68 (0.45 to 1.03)
Times since initiation of methylphenidate				
1-3 days	1	3	2.83 (1.56 to 5.13)	1.27 (0.69 to 2.33)
4-7 days	0	4	NA	NA
8-14 days	3	7	3.90 (2.74 to 5.56)	1.75 (1.21 to 2.54)
15-28 days	0	11	NA	NA
29-56 days	4	13	2.69 (1.95 to 3.71)	1.21 (0.85 to 1.71)
> 56 days	2	20	0.80 (0.51 to 1.26)	0.36 (0.22 to 0.58)
Heart Failure				
Unexposed	40	149	1.89 (1.41 to 2.53)	1.00
Exposed	4	27	1.12 (0.63 to 1.96)	0.59 (0.32 to 1.09)
Times since initiation of methylphenidate				
1-3 days	0	2	NA	NA
4-7 days	0	2	NA	NA
8-14 days	1	4	2.11 (1.11 to 3.99)	1.10 (0.57 to 1)
15-28 days	1	4	1.86 (0.99 to 3.48)	0.97 (0.51 to 1)
29-56 days	0	5	NA	NA
> 56 days	2	10	1.64 (0.96 to 2.79)	0.85 (0.48 to 2)

NA: not applicable

