Optimal Settings for OMOP 2011-2012 Research

Data	Acute kidney injury	Acute liver injury	Acute myocardial infarction	GI Bleed
MDCR	Observational screening	Observational screening	Observational screening	Observational screening
	OS: 401002	OS: 401002	OS: 407002	OS: 402002
	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Study design: Self-controlled cohort
	Exposures to include: All occurrences	Exposures to include: All occurrences	Exposures to include: All occurrences	Exposures to include: All occurrences
	Outcomes to include: All occurrences	Outcomes to include: All occurrences	Outcomes to include: First occurrence	Outcomes to include: All occurrences
	Time-at-risk: Length of exposure + 30d	Time-at-risk: Length of exposure + 30d	Time-at-risk: Length of exposure + 30d	Time-at-risk: Length of exposure + 30d
	Include index date in time-at-risk: No	Include index date in time-at-risk: No	Include index date in time-at-risk: No	Include index date in time-at-risk: Yes
	Control period: Length of exposure + 30d	Control period: Length of exposure + 30d	Control period: Length of exposure + 30d	Control period: Length of exposure + 30d
	Include index date in control period: No	Include index date in control period: No	Include index date in control period: No	Include index date in control period: Yes
CCAE	Observational screening	Observational screening	Observational screening	Self-controlled case series
	OS: 404002	OS: 403002	OS: 408013	SCCS: 1931010
	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Outcomes to include: All occurrences
	Exposures to include: All occurrences	Exposures to include: All occurrences	Exposures to include: First occurrence	Prior distribution: normal
	Outcomes to include: All occurrences	Outcomes to include: All occurrences	Outcomes to include: First occurrence after	Variance of the prior: Determined through cross-
	Time-at-risk: Length of exposure + 30d	Time-at-risk: Length of exposure + 30d	exposure	validation
	Include index date in time-at-risk: No	Include index date in time-at-risk: Yes	Time-at-risk: All time post-exposure start	Time-at-risk: All time post-exposure start
	Control period: Length of exposure + 30d	Control period: Length of exposure + 30d	Include index date in time-at-risk: No	Include index date in time-at-risk: No
	Include index date in control period: Yes	Include index date in control period: No	Control period: All time prior to exposure start	Apply multivariate adjustment on all drugs: No
			Include index date in control period: No	Required observation time: 180d
MDCD	Observational screening	Observational screening	Observational screening	Observational screening
	OS: 408013	OS: 409013	OS: 407004	OS: 401004
	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Study design: Self-controlled cohort
	Exposures to include: First occurrence	Exposures to include: First occurrence	Exposures to include: All occurrences	Exposures to include: All occurrences
	Outcomes to include: First occurrence after	Outcomes to include: First occurrence	Outcomes to include: First occurrence	Outcomes to include: All occurrences
	exposure	Time-at-risk: All time post-exposure start	Time-at-risk: Length of exposure + 30d	Time-at-risk: Length of exposure + 30d
	Time-at-risk: All time post-exposure start	Include index date in time-at-risk: No	Include index date in time-at-risk: No	Include index date in time-at-risk: No
	Include index date in time-at-risk: No	Control period: All time prior to exposure start	Control period: 365d prior to exposure start	Control period: 365d prior to exposure start
	Control period: All time prior to exposure start	Include index date in control period: No	Include index date in control period: No	Include index date in control period: No
	Include index date in control period: No			
MSLR	Self-controlled case series	Observational screening	Observational screening	Observational screening
	SCCS: 1939009	OS: 406002	OS: 403002	OS: 403002
	Outcomes to include: All occurrences	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Study design: Self-controlled cohort
	Prior distribution: Laplace	Exposures to include: All occurrences	Exposures to include: All occurrences	Exposures to include: All occurrences
	Variance of the prior: Determined through cross-	Outcomes to include: First occurrence after	Outcomes to include: All occurrences	Outcomes to include: All occurrences
	validation	exposure	Time-at-risk: Length of exposure + 30d	Time-at-risk: Length of exposure + 30d
	Time-at-risk: All time post-exposure start	Time-at-risk: Length of exposure + 30d	Include index date in time-at-risk: Yes	Include index date in time-at-risk: Yes
	Include index date in time-at-risk: Yes	Include index date in time-at-risk: No	Control period: Length of exposure + 30d	Control period: Length of exposure + 30d
	Apply multivariate adjustment on all drugs: Yes	Control period: Length of exposure + 30d	Include index date in control period: No	Include index date in control period: No
	Required observation time: None	Include index date in control period: No		
GE	Observational screening	Observational screening	Temporal pattern discovery	Temporal pattern discovery
	OS: 409002	OS: 409002	ICTPD: 3016001	ICTPD: 3034001
	Study design: Self-controlled cohort	Study design: Self-controlled cohort	Control period: -1080d to -361d before exposure	Control period: -810d to -361d before exposure
	Exposures to include: First occurrence	Exposures to include: First occurrence	start	start
	Outcomes to include: First occurrence	Outcomes to include: First occurrence	Time-at-risk: 60d from exposure start	Time-at-risk: 60d from exposure start
	Time-at-risk: Length of exposure + 30d	Time-at-risk: Length of exposure + 30d	Use control period in expected calculation: Yes	Use control period in expected calculation: Yes
	Include index date in time-at-risk: No	Include index date in time-at-risk: No	Use 1mo prior to exposure in expected	Use 1mo prior to exposure in expected
	Control period: Length of exposure + 30d	Control period: Length of exposure + 30d	calculation: Yes	calculation: No
	Include index date in control period: No	Include index date in control period: No	Use 1d prior to exposure in expected calculation:	Use 1d prior to exposure in expected calculation:
			No	Yes