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Supplementary Material

Article Title: Risk of Cardiovascular Diseases and Stroke Events in Methamphetamine Users: A 10-Year Follow-Up Study

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List of Supplementary Material for the article

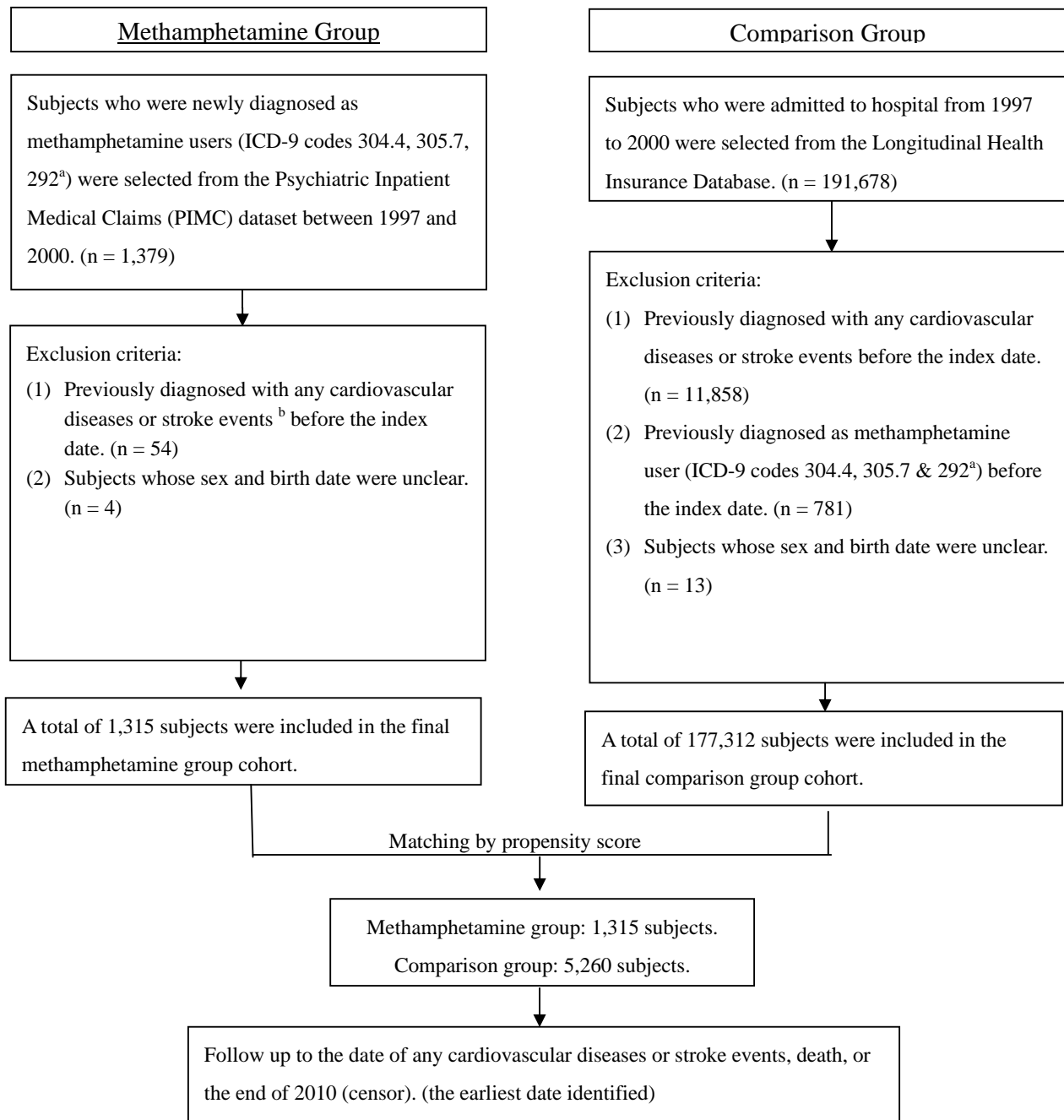
1. [eFigure 1](#) Flow chart of sample selection
2. [eTable 1](#) Incidence of cardiovascular diseases and stroke events in the methamphetamine cohort and secondary comparison group matched by propensity scores in a ratio of 1:1

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Supplemental e-Figure 1. Flow chart of sample selection



^a At least one diagnosis of drug-induced mental disorder (ICD-9 code of 292) , excluding those not induced by methamphetamine (excluding those who in the prior year or 1 year after diagnosis of ICD-9 code 292 had any primary and secondary ICD code of 304.0*, 304.1*,304.2*, 304.3*, 304.5*, 304.6*,304.7*, 304.8*, 304.9*,305.0*, 305.1,305.2*, 305.3*, 305.4*, 305.5*,305.6*,305.8*,305.9*).

^bThe ICD-9 codes for cardiovascular diseases or stroke events are 390–398, 401–405, 410, 411, 413, 414, 420–426, 429, 430–432, 433–435, and 436.

^cThe comparison control group was matched with the methamphetamine group based on the decimal 8-digit match algorithm for propensity scores. The scores were obtained in the multivariate logistic regression with covariates including sex, age, Charlson comorbidity index (CCI) score, urbanization, and index year of the population.

Supplemental e-Table 1. Incidence of cardiovascular diseases and stroke events in the methamphetamine cohort and secondary comparison group (i.e., patients hospitalized for appendectomy) matched by propensity scores in a ratio of 1:1

	Methamphetamine cohort (n = 1,077)		Comparison control group (n = 1,077)		Hazard ratio	95%CI	p-value	
	N	Incidence ^a	N	Incidence ^a				
Cardiovascular disease or stroke event	97	85.2	48	39.3	2.12	1.50-3.00	<0 .001	**
Cardiovascular disease	59	50.9	32	26.1	1.89	1.23-2.90	0.004	**
Acute coronary syndrome	0	0	1	0.8	-	-	0.998	
Coronary artery disease	17	14.2	6	4.8	2.88	1.13-7.29	0.026	*
Arrhythmia	17	14.2	7	5.6	2.46	1.02-5.93	0.045	*
Congestive heart failure	6	5.0	1	0.8	6.16	0.74-51.13	0.092	
Hypertensive disease	25	21.0	18	14.5	1.41	0.77-2.58	0.271	
Others	6	5.0	6	4.8	1.01	0.33-3.14	0.984	
Stroke event	44	37.1	20	16.0	2.32	1.37-3.93	0.002	**
Hemorrhagic stroke	24	20.0	10	8.0	2.53	1.21-5.28	0.014	*
Ischemic stroke	17	14.1	10	8.0	1.77	0.81-3.86	0.153	
Subarachnoid stroke	9	7.5	0	0	0	0	0	

**P<0.01,*P<0.05 ;

^aPer 10,000person-years ;