

Appendix 1:

Table A: The result of multivariate regression analysis on the effect of confounding variables on mortality

Outcome: Mortality	Coefficient	Standard error	t	P> t	95% confidence interval	
HTN	0.087	0.04	2.16	0.031	0.007	0.166
DM	0.00	0.01	-0.54	0.590	-0.046	0.026
Valve disease	0.030	0.03	1.03	0.305	-0.028	0.090
HF	-0.047	0.04	-1.14	0.254	-0.129	0.034
CVDs	-0.10	0.04	-2.50	0.013	-0.184	-0.022

HTN: Hypertension; DM: Diabetes mellitus; HF: Heart failure; CVDs: Cardiovascular diseases

Table B: The result of multivariate regression analysis on the effect of confounding variables on recurrence

Outcome: Recurrence	Coefficient	Standard error	t	P> t	95% confidence interval	
HTN	0.421	0.24	1.71	0.08	-0.62	0.905
DM	-0.17	0.11	-1.52	0.130	-0.39	0.050
Valve disease	0.23	0.18	1.26	0.207	-0.12	0.595
HF	0.14	0.25	0.58	0.563	-0.35	0.644
CVDs	-0.53	0.25	-2.13	0.034	-1.033	-0.040

HTN: Hypertension; DM: Diabetes mellitus; HF: Heart failure; CVDs: Cardiovascular diseases

Table C: The result of multivariate regression analysis on the effect of confounding variables on hospitalization

Outcome: Hospitalization	Coefficient	Standard error	t	P> t	95% confidence interval	
HTN	0.20	0.12	1.60	0.11	-0.047	0.45
DM	-0.06	0.05	-1.18	0.241	-0.183	0.04
Valve disease	0.134	0.09	1.42	0.157	-0.05	0.32
HF	0.05	0.13	0.39	0.698	-0.20	0.30
CVDs	-0.26	0.13	-2.00	0.046	-0.51	-0.004

HTN: Hypertension; DM: Diabetes mellitus; HF: Heart failure; CVDs: Cardiovascular diseases