

A Retrospective Analysis of Systolic Blood Pressure Time in Target Range in Coronary Care Unit Patients

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Figure S1 Study flowchart with patient inclusion/exclusion criteria.

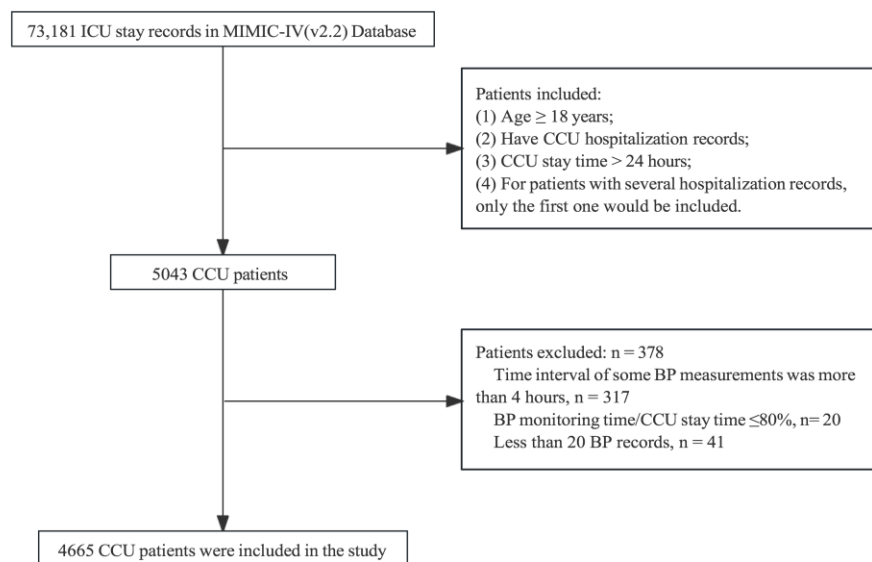


Figure S2 Restricted cubic spline curve between SBP-TTR and one-year prognosis.

The model was adjusted for confounders in model 3.

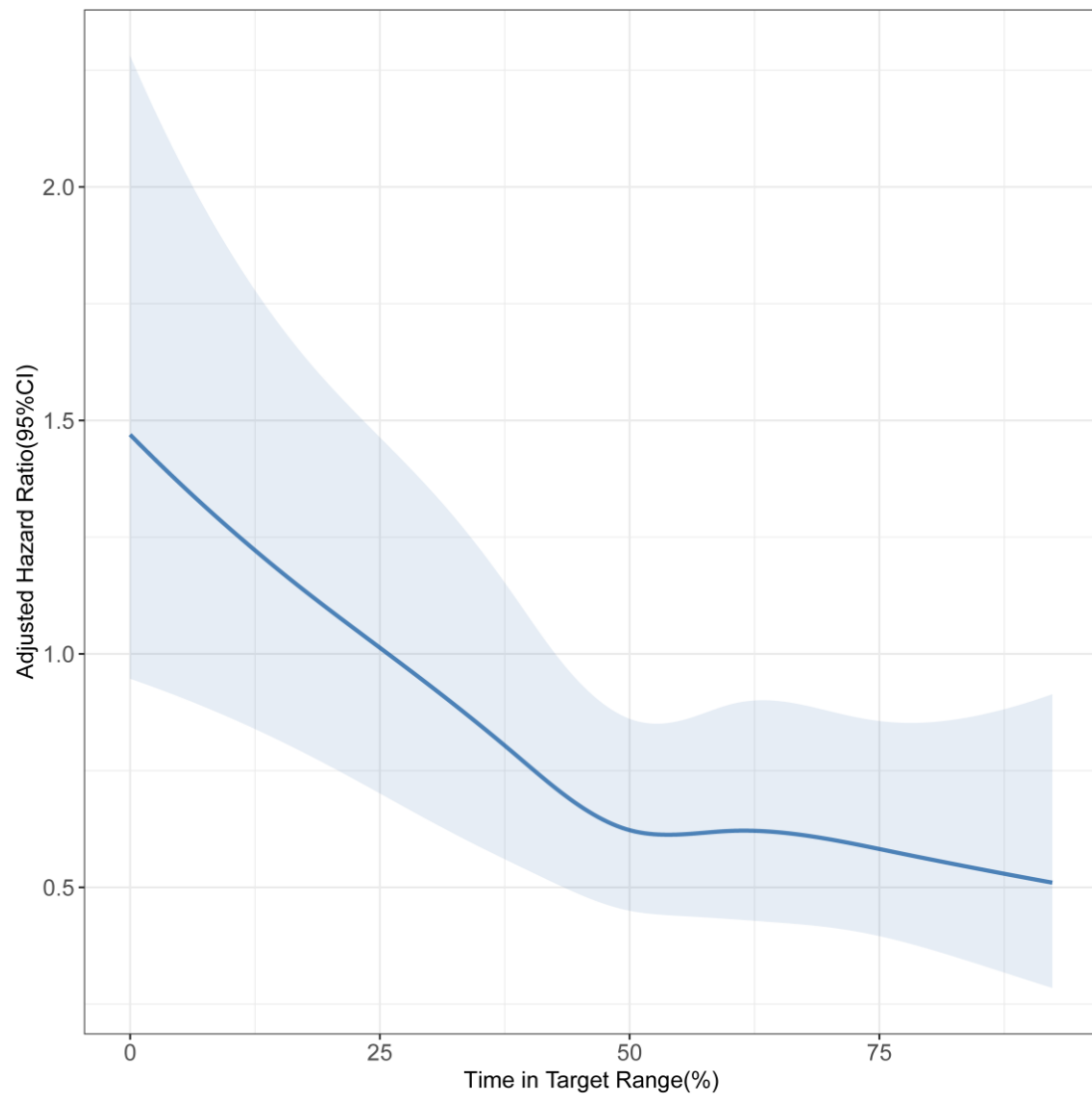


Figure S3 Association between all-course SBP-TTR and all-cause mortality when stratified by SBP-TTR of the first 24 hours among patients with relatively longer CCU days (≥ 72 hours).

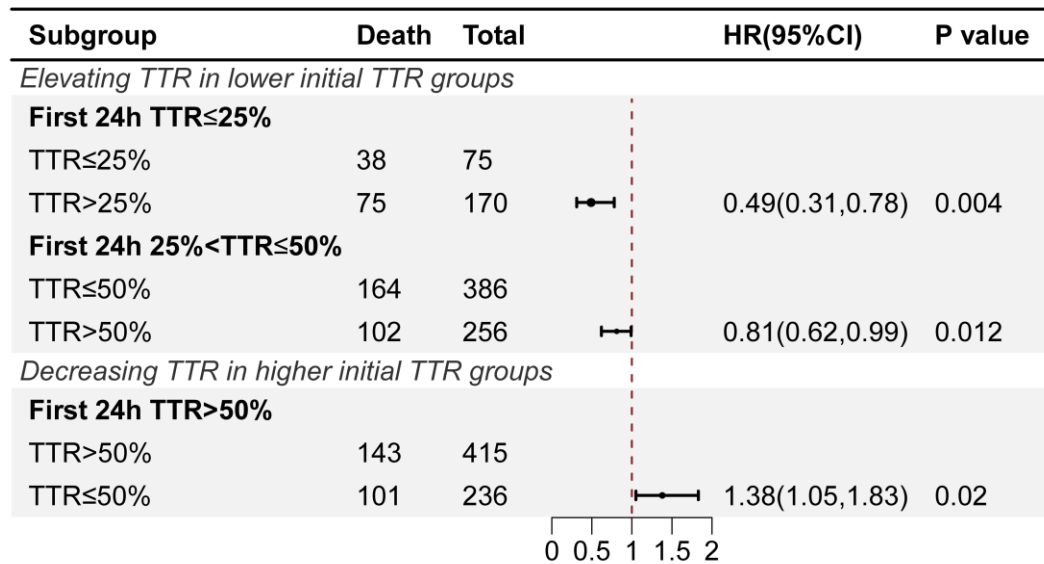
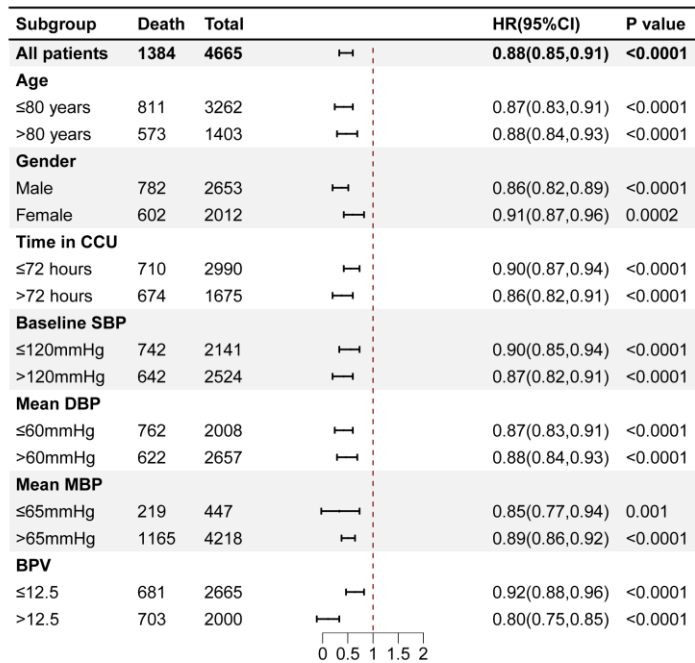


Figure S4 Association Between 10% Increase in SBP-TTR and Mortality by (A) Demographics, and BP level; (B) Comorbidities.

A



B

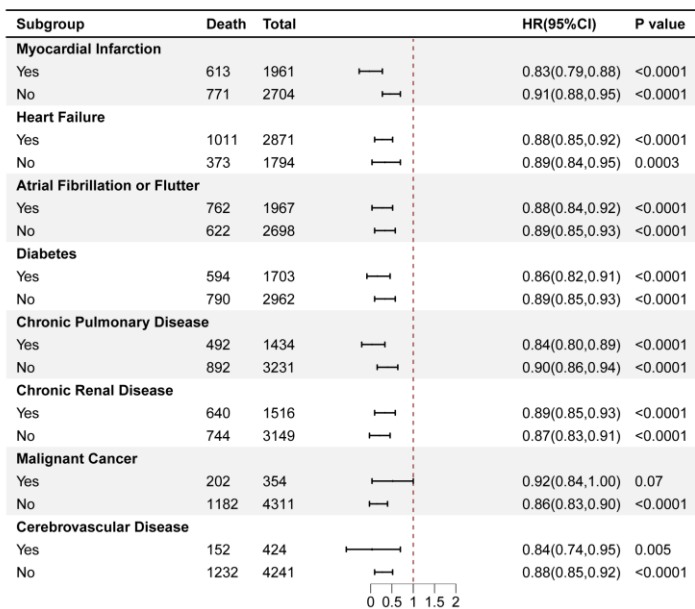


Table S1 Association between SBP-TTR of the first 24 hours and one-year prognosis among patients with relatively longer CCU days (≥ 72 hours).

TTR Categories For the First 24 Hours	Death	Total	HR(95%CI)	<i>P</i> Value
Low SBP-TTR(0-25%)	113	245	<i>Ref</i>	
Low-Moderate SBP-TTR(25-50%)	266	642	0.78(0.62,0.99)	0.038
High-Moderate SBP-TTR(50-75%)	188	490	0.79(0.61,1.00)	0.054
High SBP-TTR(75-100%)	56	161	0.79(0.57,1.10)	0.1672

Hazard ratios and 95% CIs were calculated using the Cox proportional hazards regression model. The model was adjusted for confounders in model 3.

Table S2 Association between SBP-TTR and one-year prognosis across different awake or sleep SBP targets.

Different BP Targets	TTR Categories	Death	Total	Unadjusted		Full-adjusted	
				HR(95%CI)	P Value	HR(95%CI)	P Value
TTRG1 <i>Awake Time: 110-140mmHg</i> <i>Sleep Time: 90-120mmHg</i>	Low SBP-TTR(0-25%)	180	495	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	614	1857	0.86(0.72,1.01)	0.007	0.64(0.54,0.76)	<0.001
	High-Moderate SBP-TTR(50-75%)	547	2041	0.66(0.56,0.78)	<0.001	0.55(0.46,0.65)	<0.001
	High SBP-TTR(75-100%)	43	272	0.36(0.26,0.50)	<0.001	0.48(0.34,0.68)	<0.001
TTRG2 <i>Awake Time: 110-140mmHg</i> <i>Sleep Time: 90-130mmHg</i>	Low SBP-TTR(0-25%)	159	418	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	528	1514	0.87(0.73,1.03)	0.111	0.67(0.56,0.80)	<0.001
	High-Moderate SBP-TTR(50-75%)	587	2138	0.64(0.53,0.76)	<0.001	0.51(0.42,0.61)	<0.001
	High SBP-TTR(75-100%)	110	595	0.41(0.32,0.52)	<0.001	0.52(0.40,0.67)	<0.001
TTRG3 <i>Awake Time: 110-140mmHg</i> <i>Sleep Time: 90-140mmHg</i>	Low SBP-TTR(0-25%)	150	372	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	483	1338	0.84(0.70,1.01)	0.059	0.67(0.56,0.81)	<0.001
	High-Moderate SBP-TTR(50-75%)	590	2080	0.61(0.51,0.73)	<0.001	0.50(0.41,0.61)	<0.001
	High SBP-TTR(75-100%)	161	875	0.37(0.30,0.46)	<0.001	0.49(0.39,0.61)	<0.001
TTRG4 <i>Awake Time: 100-140mmHg</i> <i>Sleep Time: 90-120mmHg</i>	Low SBP-TTR(0-25%)	96	302	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	306	909	1.06(0.85,1.33)	0.601	0.74(0.58,0.93)	0.01
	High-Moderate SBP-TTR(50-75%)	680	2180	0.95(0.77,1.18)	0.646	0.53(0.42,0.66)	<0.001
	High SBP-TTR(75-100%)	302	1274	0.68(0.54,0.86)	0.001	0.51(0.40,0.64)	<0.001
TTRG5 <i>Awake Time: 100-140mmHg</i> <i>Sleep Time: 90-130mmHg</i>	Low SBP-TTR(0-25%)	80	250	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	271	762	1.13(0.88,1.45)	0.328	0.81(0.63,1.04)	0.09
	High-Moderate SBP-TTR(50-75%)	591	1852	0.97(0.77,1.23)	0.818	0.56(0.44,0.71)	<0.001
	High SBP-TTR(75-100%)	442	1801	0.70(0.55,0.89)	0.004	0.51(0.40,0.66)	<0.001
TTRG6 <i>Awake Time: 100-140mmHg</i> <i>Sleep Time: 90-140mmHg</i>	Low SBP-TTR(0-25%)	75	216	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	234	641	1.05(0.81,1.37)	0.686	0.78(0.60,1.02)	0.072
	High-Moderate SBP-TTR(50-75%)	546	1678	0.90(0.70,1.14)	0.379	0.56(0.43,0.72)	<0.001
	High SBP-TTR(75-100%)	529	2130	0.64(0.50,0.81)	<0.001	0.50(0.39,0.64)	<0.001
TTRG7 <i>Awake Time: 90-140mmHg</i> <i>Sleep Time: 90-120mmHg</i>	Low SBP-TTR(0-25%)	57	217	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	164	565	1.13(0.84,1.53)	0.427	0.66(0.48,0.90)	0.01
	High-Moderate SBP-TTR(50-75%)	470	1479	1.26(0.95,1.66)	0.095	0.46(0.34,0.62)	<0.001
	High SBP-TTR(75-100%)	693	2404	1.10(0.84,1.44)	0.5	0.40(0.29,0.54)	<0.001
TTRG8 <i>Awake Time: 90-140mmHg</i> <i>Sleep Time: 90-130mmHg</i>	Low SBP-TTR(0-25%)	45	176	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	150	469	1.31(0.93,1.82)	0.115	0.74(0.52,1.04)	0.083
	High-Moderate SBP-TTR(50-75%)	368	1154	1.31(0.96,1.79)	0.084	0.47(0.34,0.66)	<0.001
	High SBP-TTR(75-100%)	821	2866	1.12(0.83,1.51)	0.456	0.41(0.30,0.58)	<0.001
TTRG9 <i>Awake Time: 90-140mmHg</i> <i>Sleep Time: 90-140mmHg</i>	Low SBP-TTR(0-25%)	41	142	<i>Ref</i>		<i>Ref</i>	
	Low-Moderate SBP-TTR(25-50%)	121	359	1.21(0.85,1.73)	0.286	0.70(0.48,1.01)	0.054
	High-Moderate SBP-TTR(50-75%)	339	1015	1.20(0.87,1.66)	0.263	0.48(0.34,0.68)	<0.001
	High SBP-TTR(75-100%)	883	3149	0.94(0.69,1.29)	0.709	0.36(0.26,0.51)	<0.001

Hazard ratios and 95% CIs were calculated using the Cox proportional hazards regression model. The

full-adjusted model was adjusted for confounders in model 3.