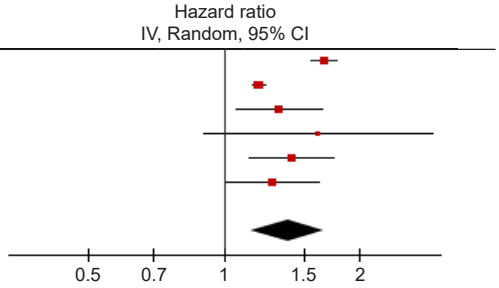
A SBP 120–140 mmHg vs. <120 mmHg

Study or subgroup	log (Hazard ratio)	SE	Weight	Hazard ratio IV, Random, 95% CI	Year
Li Z 2006	0.5098	0.0345	21.3%	1.66 [1.56, 1.78]	2006
Molnar, M. Z 2010	0.1759	0.0178	21.8%	1.19 [1.15, 1.23]	2010
Chang T I 2011	0.2805	0.1122	16.8%	1.32 [1.06, 1.65]	2011
Sipahioglu M H 2012	0.4796	0.2959	7.0%	1.62 [0.90, 2.89]	2012
Flythe J E 2013	0.3434	0.1091	17.0%	1.41 [1.14, 1.75]	2013
Inaba M 2014	0.2448	0.1203	16.2%	1.28 [1.01, 1.62]	2014
Total (95% CI)			**100.0%**	**1.38 [1.15, 1.67]**	

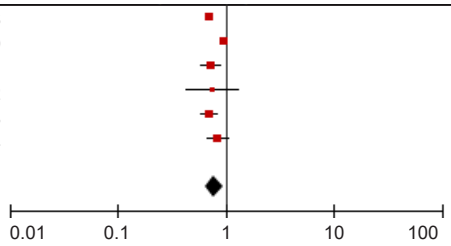
Heterogeneity: Tau^2 = 0.04; Chi^2 = 75.45, df = 6 (P < 0.00001), I^2 = 93%
Test for overall effect: Z = 3.43 (P = 0.0006)



B SBP 120–140 mmHg vs. <140–160 mmHg

Study or subgroup	log (Hazard ratio)	SE	Weight	Hazard ratio IV, Random, 95% CI	Year
Li Z 2006	–0.357	0.0292	20.8%	0.70 [0.66, 0.74]	2006
Molnar, M. Z 2010	–0.0392	0.0171	21.0%	0.96 [0.93, 0.99]	2010
Chang T I 2011	–0.3293	0.1065	16.7%	0.72 [0.58, 0.89]	2011
Sipahioglu M H 2012	–0.2848	0.2799	7.4%	0.75 [0.43, 1.30]	2012
Flythe J E 2013	–0.3646	0.0933	17.6%	0.69 [0.58, 0.83]	2013
Inaba M 2014	–0.174	0.1104	16.5%	0.84 [0.68, 1.04]	2014
Total (95% CI)			**100.0%**	**0.78 [0.65, 0.94]**	

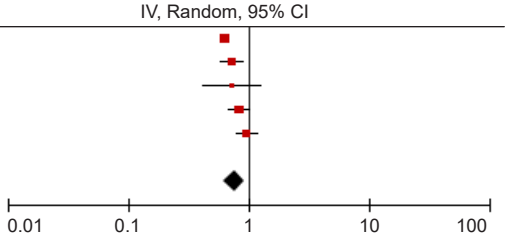
Heterogeneity: Tau^2 = 0.04; Chi^2 = 98.91, df = 5 (P < 0.00001), I^2 = 95%
Test for overall effect: Z = 2.65 (P = 0.008)



C SBP 120–140 mmHg vs. <160–180 mmHg

Study or subgroup	log (Hazard ratio)	SE	Weight	Hazard ratio IV, Random, 95% CI	Year
Li Z 2006	–0.4587	0.0301	27.4%	0.63 [0.60, 0.67]	2006
Chang T I 2011	–0.3194	0.1134	20.7%	0.73 [0.58, 0.91]	2011
Sipahioglu M H 2012	–0.3195	0.2868	8.5%	0.73 [0.41, 1.27]	2012
Flythe J E 2013	–0.1823	0.1017	21.8%	0.82 [0.68, 1.02]	2013
Inaba M 2014	–0.0342	0.104	21.6%	0.97 [0.79, 1.18]	2014
Total (95% CI)			**100.0%**	**0.77 [0.63, 0.93]**	

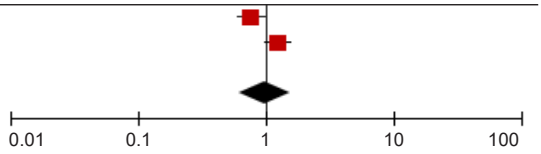
Heterogeneity: Tau^2 = 0.04; Chi^2 = 21.34, df = 4 (P = 0.0003), I^2 = 81%
Test for overall effect: Z = 2.65 (P = 0.008)



D SBP 120–140 mmHg vs. ≥180 mmHg

Study or subgroup	log (Hazard ratio)	SE	Weight	Hazard ratio IV, Random, 95% CI
Chang T I 2011	–0.2616	0.1197	49.8%	0.77 [0.61, 0.97]
Inaba M 2014	0.2113	0.1163	50.2%	1.24 [0.98, 1.55]
Total (95% CI)			**100.0%**	**1.06 [0.82, 1.37]**

Heterogeneity: Tau^2 = 0.10; Chi^2 = 8.03, df = 1 (P = 0.005), I^2 = 88%
Test for overall effect: Z = 0.10 (P = 0.92)



Supplementary Figure 4. Pooled analysis for association between SBP categories and mortality risk without the present study. Forest plots for (A) SBP of 120–140 mmHg vs. <120 mmHg, (B) SBP of 120–140 mmHg vs. 140–160 mmHg, (C) SBP of 120–140 mmHg vs. 160–180 mmHg, and (D) SBP of 120–140 mmHg vs. ≥180 mmHg were shown, respectively.
CI, confidence interval; df, degree of freedom; SBP, systolic blood pressure.