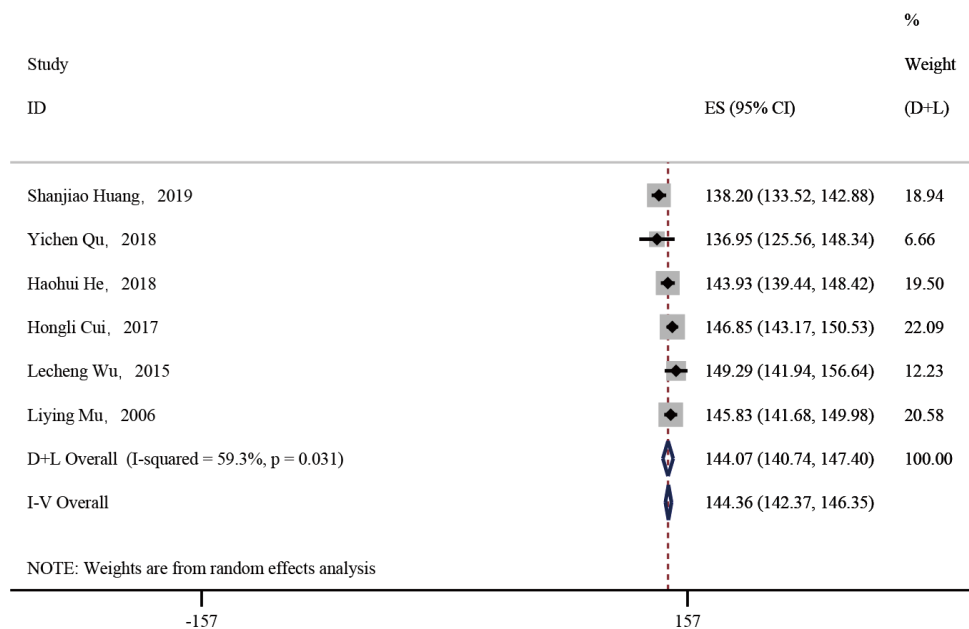


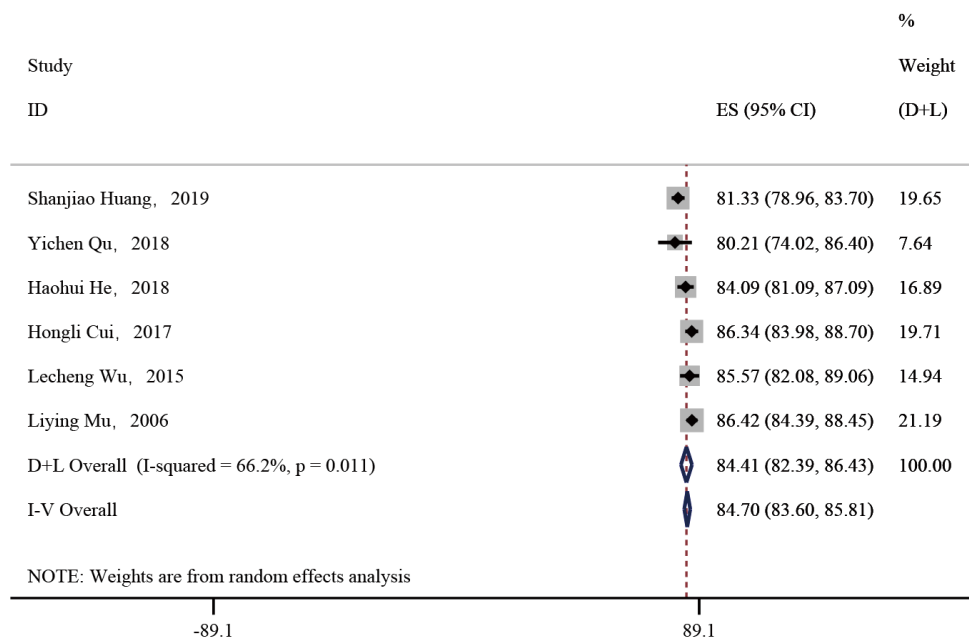
Table S1 The assessment of all the outcomes

Risk factor	NO. studies	Number		Statistic Model	Odds ratio and 95% CI	Heterogeneity	P value
		Stroke group	Non-stroke group				
Age	15	1,557	4,564	Random effects model	3.88 (2.20 to 5.56)	0.85	<0.00001*
Female	13	2,482	9,303	Random effects model	0.94 (0.76 to 1.18)	0.76	0.6
Heart failure	11	1,288	5,295	Random effects model	1.06 (0.47 to 2.40)	0.95	0.88
Hypertension	14	1,414	5,761	Random effects model	2.06 (1.54 to 2.27)	0.73	<0.00001*
Diabetes	16	2,391	10,338	Random effects model	1.6 (1.30 to 1.98)	0.57	<0.00001*
History of ischemic stroke	4	626	3,441	Random effects model	2.56 (1.19 to 5.48)	0.98	<0.00001*
Vascular disease	8	573	2,540	Random effects model	2.56 (1.19 to 5.48)	0.89	<0.00001*
Coronary heart disease	10	1,703	8,661	Random effects model	1.6 (1.09 to 2.35)	0.85	0.02*
Smoking	10	359	1,485	Random effects model	1.05 (0.69 to 1.59)	0.83	0.82
Alcohol intake	5	1,133	5,665	Random effects model	0.65 (0.52 to 0.81)	0	0.0002*
BMI	5	546	2,754	Random effects model	-0.73 (-2.04 to 0.58)	0.93	0.28
TC	13	1,400	2,810	Random effects model	0.32 (0.04 to 0.61)	0.91	0.02*
TG	10	1,222	2,163	Random effects model	0.12 (-0.02 to 0.25)	0.82	0.10
LDL-C	9	1,007	2,153	Random effects model	0.14 (0.02 to 0.26)	0.57	0.02*
HDL-C	5	709	1,446	Random effects model	0.03 (0.00 to 0.06)	0	0.04*
Systolic blood pressure	6	470	1,016	Random effects model	10.98 (7.80 to 14.17)	0.41	<0.00001*
Diastolic blood pressure	6	470	1,016	Random effects model	4.46 (2.57 to 6.35)	0.48	<0.00001*
Left ventricular ejection fraction	6	891	2,274	Random effects model	-3.05 (-5.96 to -0.14)	0.91	0.04*
Anticoagulant therapy	8	1,576	7,474	Random effects model	0.97 (0.86 to 1.10)	0.73	0.65

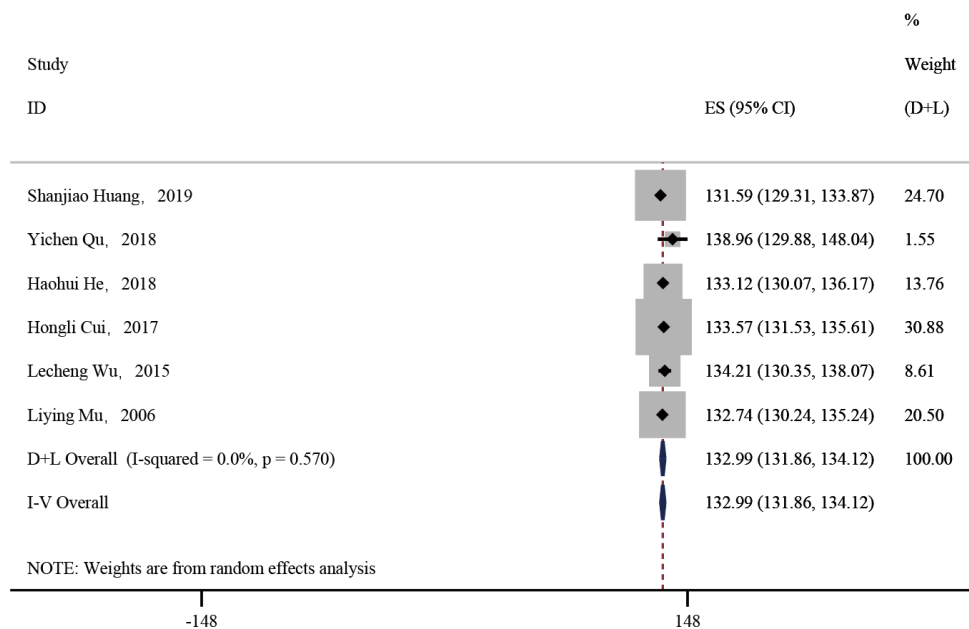
BMI, body mass index; TC, total cholesterol; TG, triglyceride; LDL-C, low density lipoprotein cholesterol; HDL-C, high density lipoprotein cholesterol; CI, confidence interval. \*statistically significant (P<0.05).



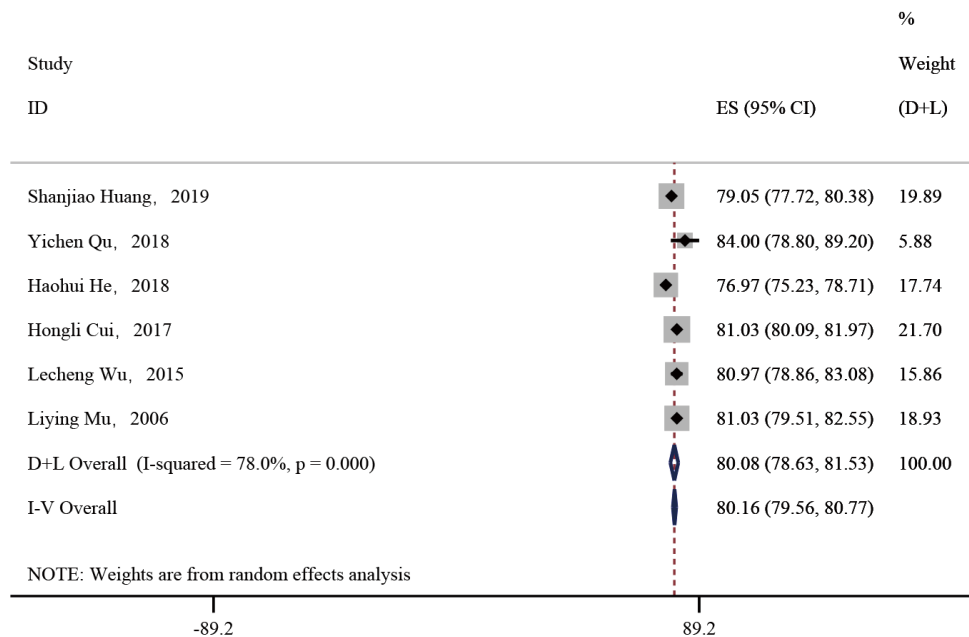
**Figure S1** Forest plot of mean systolic blood pressure (SBP) in the ischemic stroke group. Weights were from random effects analysis. ES, effect size; IV, inverse variance; D+L, DerSimonian-Laired; CI, confidence interval.



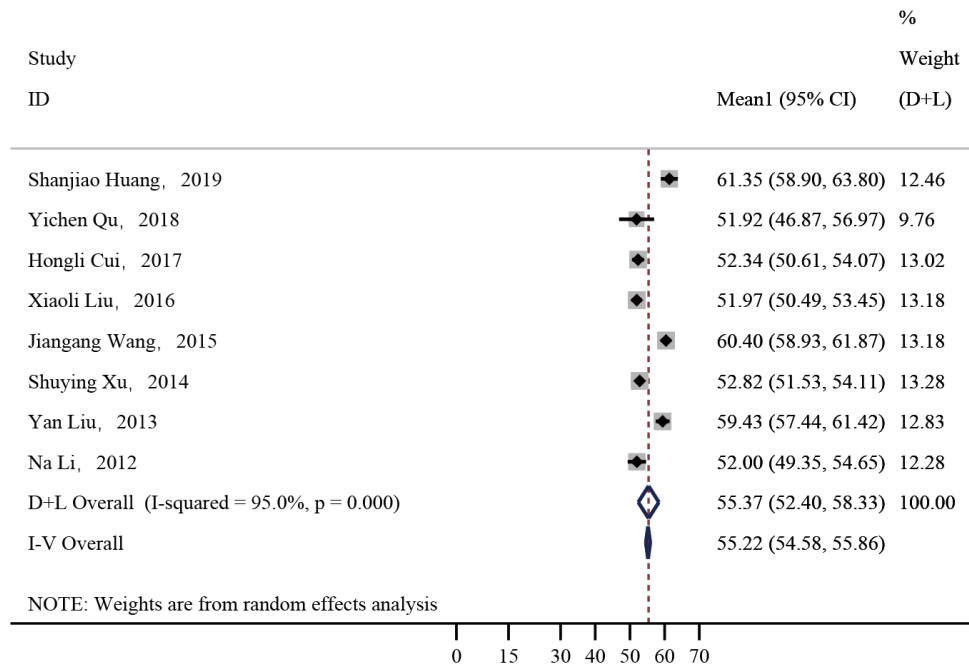
**Figure S2** Forest plot of mean diastolic blood pressure (DBP) in the ischemic stroke group. Weights were from random effects analysis. ES, effect size; IV, inverse variance; D+L, DerSimonian-Laired; CI, confidence interval.



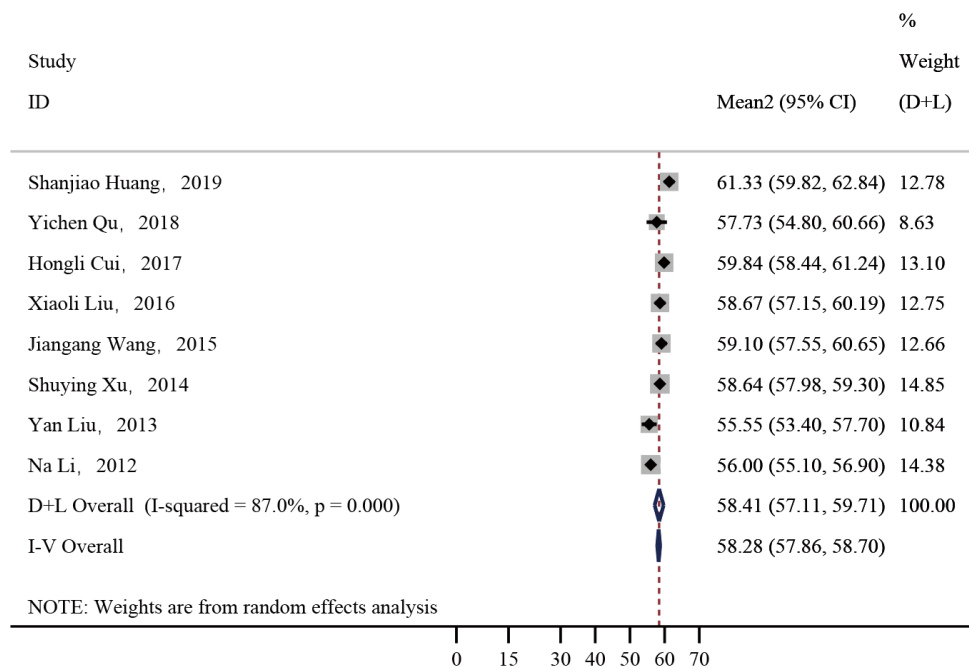
**Figure S3** Forest plot of mean systolic blood pressure (SBP) in the non-stroke group. Weights were from random effects analysis. ES, effect size; IV, inverse variance; D+L, DerSimonian-Laired; CI, confidence interval.



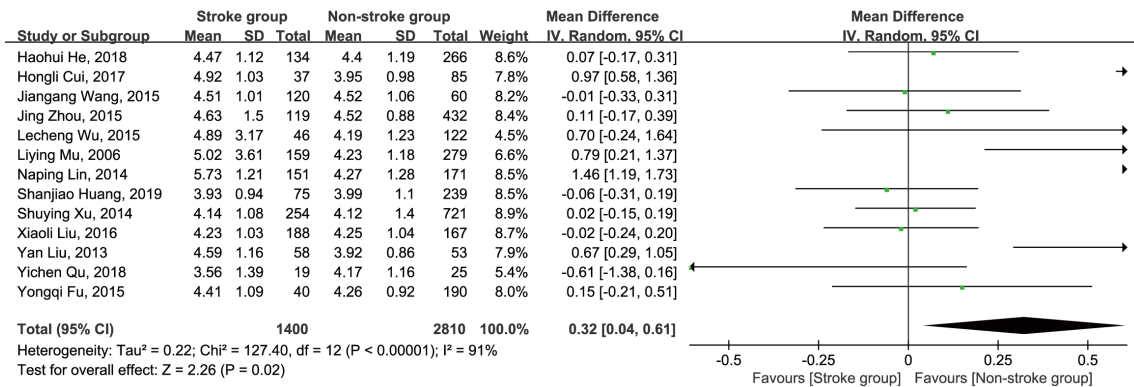
**Figure S4** Forest plot of mean diastolic blood pressure (DBP) in the non-stroke group. Weights were from random effects analysis. ES, effect size; IV, inverse variance; D+L, DerSimonian-Laired; CI, confidence interval.



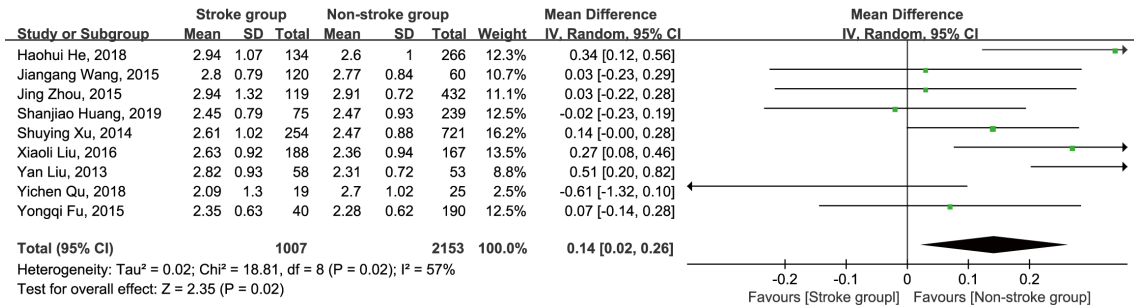
**Figure S5** Forest plot of mean left ventricular ejection fractions (LVEF) in the ischemic stroke group. Weights were from random effects analysis. IV, inverse variance; D+L, DerSimonian-Laired; CI, confidence interval.



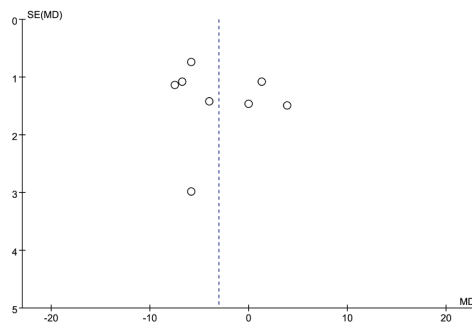
**Figure S6** Forest plot of mean left ventricular ejection fractions (LVEF) in the non-stroke group. Weights were from random effects analysis. IV, inverse variance; D+L, DerSimonian-Laired; CI, confidence interval.



**Figure S7** Forest plot of mean difference in total cholesterol (TC) between the ischemic stroke group and the non-stroke group. Weights were from random effects analysis. SD, standard deviation; IV, inverse variance; CI, confidence interval.



**Figure S8** Forest plot of mean difference in low density lipoprotein cholesterol (LDL-C) between the ischemic stroke group and the non-stroke group. Weights were from random effects analysis. SD, standard deviation; IV, inverse variance; CI, confidence interval.



**Figure S9** Funnel plot of the studies that evaluated LVEF. SE, standard error; MD, mean difference.