

Additional file 1: Meta-regression and Additional figures.

Meta-regression

1. Sepsis mortality

Meta-regression	Number of obs	=	14
REML estimate of between-study variance	tau2	=	.0113
% residual variation due to heterogeneity	I-squared_res	=	91.99%
Proportion of between-study variance explained	Adj R-squared	=	-61.65%
Joint test for all covariates	Model F(5,8)	=	0.13
With Knapp-Hartung modification	Prob > F	=	0.9825

	_ES	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Definition	.019325	.0350875	0.55	0.597	-0.0615869	.1002369	
Study design	.0098267	.0719412	0.14	0.895	-.15607	.1757235	
Study location	-.0290154	.0558661	-0.52	0.618	-.1578428	.099812	
Endpoints	.0310449	.0814382	0.38	0.713	-.156752	.2188418	
Study centers	-.0185944	.0701453	-0.27	0.798	-.1803497	.1431608	
_cons	.2844725	.2191471	1.30	0.230	-.2208817	.7898267	

2. Septic shock mortality

Meta-regression	Number of obs	=	10
REML estimate of between-study variance	tau2	=	.01358
% residual variation due to heterogeneity	I-squared_res	=	87.42%
Proportion of between-study variance explained	Adj R-squared	=	24.45%
Joint test for all covariates	Model F(4,5)	=	1.53
With Knapp-Hartung modification	Prob > F	=	0.3220

	_ES	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Definition	.0245329	.1276626	0.19	0.855	-.3036343	.3527	
Study design	-.2249434	.1081076	-2.08	0.092	-.5028429	.052956	
Study location	-.0291704	.1532626	-0.19	0.857	-.4231445	.3648036	
Study centers	.0133103	.1025027	0.13	0.902	-.2501813	.2768019	
_cons	.7553199	.3030357	2.49	0.055	-.0236582	1.534298	

Figure S1

		Risk of bias domains							
		D1	D2	D3	D4	D5	D6	D7	Overall
Chen 2009		-	X	?	?	-	+	X	X
Wang 2014		+	X	?	?	+	+	-	-
Yin 2014		+	-	?	?	+	-	-	-
Cheng 2017b		+	X	?	?	+	-	+	-
Huang 2018		!	X	?	?	-	-	-	X
Zhou 2018		X	X	?	?	+	+	-	-
Zhang Z 2019		+	+	?	?	+	+	-	+
Xing 2019		-	+	+	-	+	+	-	+
Dong 2020		+	+	?	?	+	+	+	+
Xie 2020		+	+	?	?	+	+	+	+
Jiang 2019		+	-	?	?	+	+	-	-
Zhang W 2019		+	+	?	?	+	-	-	-
Zhao 2020		X	!	?	?	-	-	X	X
Cheng 2017a		+	+	?	?	+	+	+	+
Yang 2007		-	-	?	+	+	+	-	-
Li 2013		-	+	?	?	-	+	-	+
Wu 2013		+	-	+	-	+	+	-	+
Zhou 2014		+	+	?	?	-	+	-	-
Wu 2015		!	X	-	?	X	-	X	X
Lu 2016		X	X	?	?	-	-	!	X
Xue 2019		-	X	?	?	-	-	X	-
Xie 2008		+	+	?	?	+	+	-	+
Xu 2014		-	+	+	+	-	+	-	+
Luo 2015		+	X	-	-	-	+	X	-
Li 2016		-	+	+	-	+	+	-	+
Wang 2017		X	-	-	-	+	+	X	-
Yan 2017		+	-	?	?	-	+	-	-
Liu 2018		+	+	+	+	+	+	+	+
Liang 2019		!	X	?	?	-	-	X	X

Study

Domains:
 D1: Bias due to confounding.
 D2: Bias due to selection of participants.
 D3: Bias in classification of interventions.
 D4: Bias due to deviations from intended interventions.
 D5: Bias due to missing data.
 D6: Bias in measurement of outcomes.
 D7: Bias in selection of the reported result.

Judgement
 Critical
 Serious
 Moderate
 Low
 No information

Figure S2

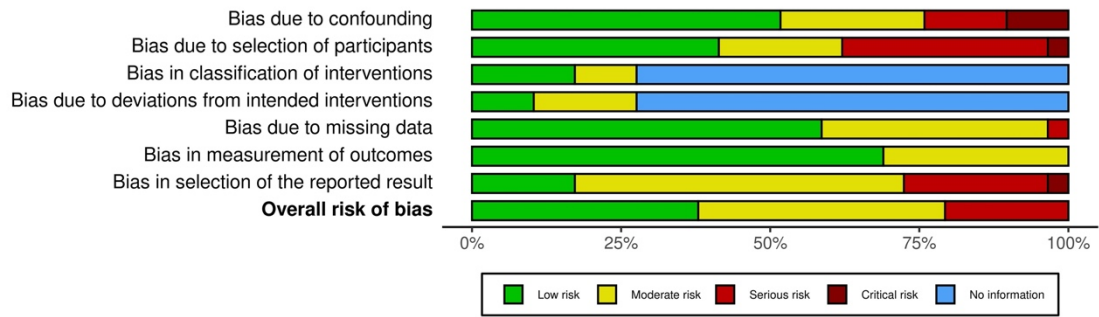


Figure S3

