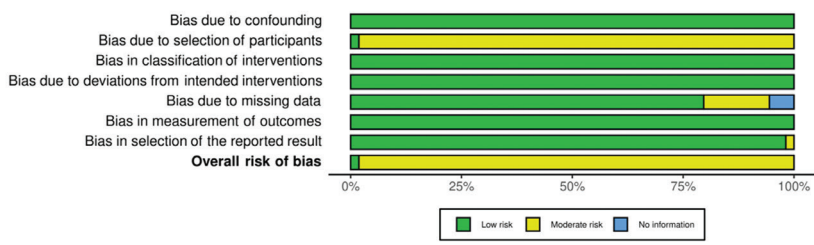


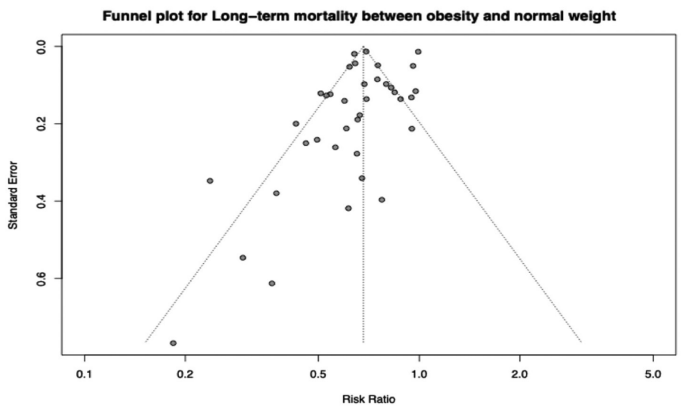
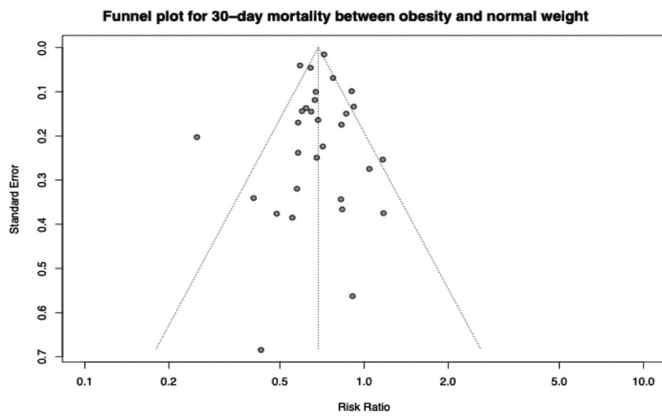
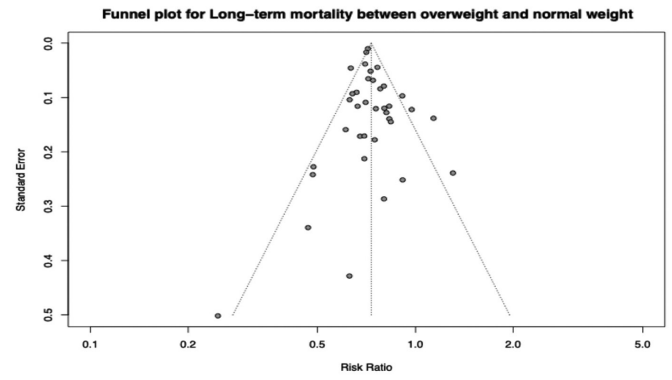
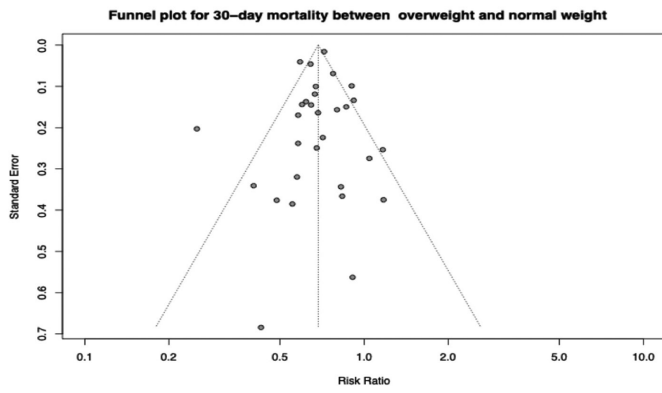
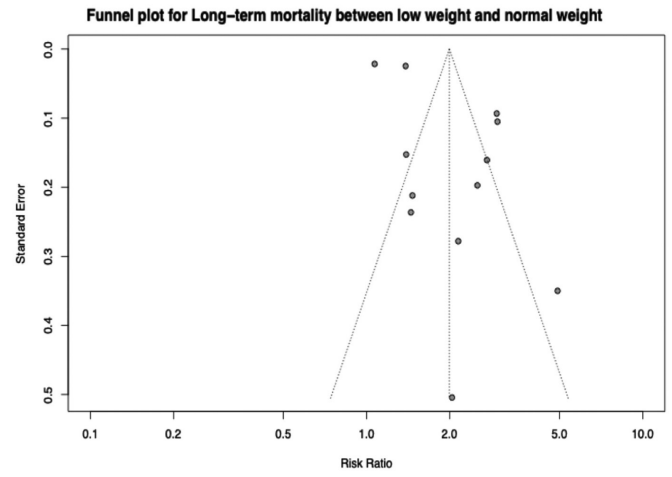
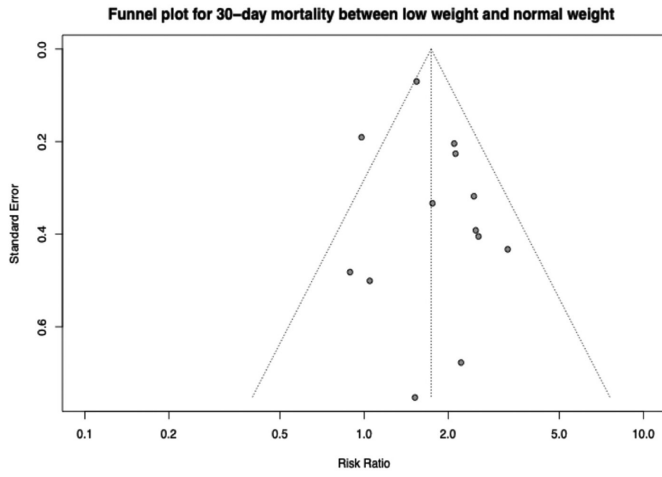
Study	Risk of bias domains							Overall
	D1	D2	D3	D4	D5	D6	D7	
Lopez-Jimenez et al., 2004	+	-	+	+	+	+	+	-
Rana et al.	+	-	+	+	+	+	+	-
Einstein et al.	+	-	+	+	+	+	+	-
Nikolsky et al.	+	+	+	+	+	+	+	+
Buettner et al.	+	-	+	+	+	+	+	+
Mehta et al., 2007	+	-	+	+	+	+	+	-
Lopez-Jimenez et al., 2008	+	-	+	+	-	+	-	-
Wienbergen et al.	+	-	+	+	+	+	+	-
Aronson et al.	+	-	+	+	+	+	+	-
Shechter et al.	+	-	+	+	-	+	+	-
Timotoe et al.	+	-	+	+	+	+	+	-
Bucholz et al., 2012	+	-	+	+	-	+	+	-
Lazzeri et al.	+	-	+	+	+	+	+	-
Herrmann et al.	+	-	+	+	+	+	+	-
Colombo et al.	+	-	+	+	-	+	+	-
Kang et al.	+	-	+	+	+	+	+	-
Moscarella et al.	+	-	+	+	+	+	+	-
Ndrepepa et al.	+	-	+	+	+	+	+	-
Zeller et al.	+	-	+	+	+	+	+	-
Nigam et al.	+	-	+	+	+	+	+	-
Hoit et al.	+	-	+	+	+	+	+	-
Kennedy et al.	+	-	+	+	?	+	+	-
O'Brien et al.	+	-	+	+	+	+	+	-
Fukuoka et al.	+	-	+	+	-	+	+	-
Cheng et al.	+	-	+	+	+	+	+	-
Bucholz et al., 2016	+	-	+	+	-	+	+	-
Angeras et al.	+	-	+	+	+	+	+	-
Samanta et al.	+	-	+	+	+	+	+	-
Park et al.	+	-	+	+	+	+	+	-
Migaj et al.	+	-	+	+	+	+	+	-
Shebab et al.	+	-	+	+	+	+	+	-
Kouvari et al.	+	-	+	+	-	+	+	-
Catalbro et al.	+	-	+	+	+	+	+	-
Akin et al.	+	-	+	+	+	+	+	-
Li et al.	+	-	+	+	-	+	+	-
Karrowni et al.	+	-	+	+	?	+	+	-
Kanic et al.	+	-	+	+	+	+	+	-
Neeland et al.	+	-	+	+	+	+	+	-
Diercks et al.	+	-	+	+	+	+	+	-
Goldberg et al.	+	-	+	+	+	+	+	-
Iakobishvili et al.	+	-	+	+	+	+	+	-
Wells et al.	+	-	+	+	+	+	+	-
Mehta et al., 2008	+	-	+	+	+	+	+	-
Hadi et al.	+	-	+	+	?	+	+	-
Mahaffey et al.	+	-	+	+	+	+	+	-
Das et al.	+	-	+	+	+	+	+	-
Camprubi et al.	+	-	+	+	+	+	+	-
Witassek et al.	+	-	+	+	+	+	+	-
Kosuge et al.	+	-	+	+	+	+	+	-
Mobeirek et al.	+	-	+	+	+	+	+	-
Ratwatte et al.	+	-	+	+	+	+	+	-
Kim et al., 2021	+	-	+	+	+	+	+	-
Yokoyama et al.	+	-	+	+	+	+	+	-
Kim et al., 2019	+	-	+	+	+	+	+	-

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
- Moderate
+ Low
? No information



Supplementary File 1. ROBINS-I tool for the assessment of the risk of bias in the included studies.



Supplementary File 2. Funnel plots for detecting potential publication bias for outcomes.