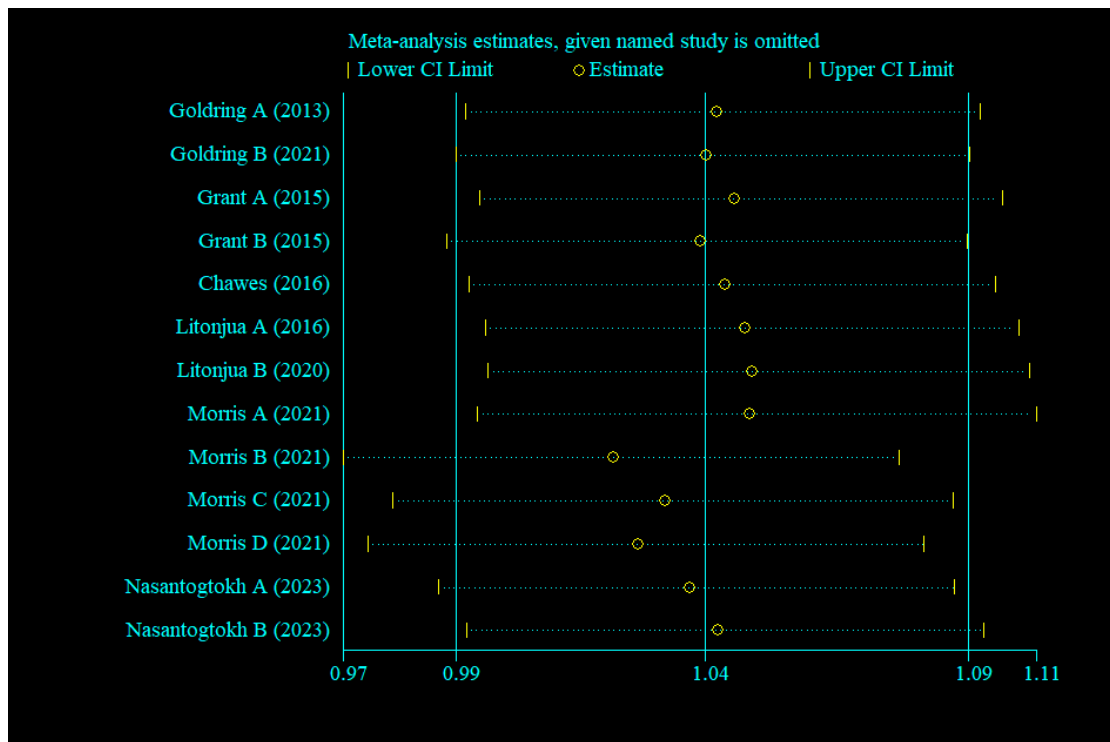
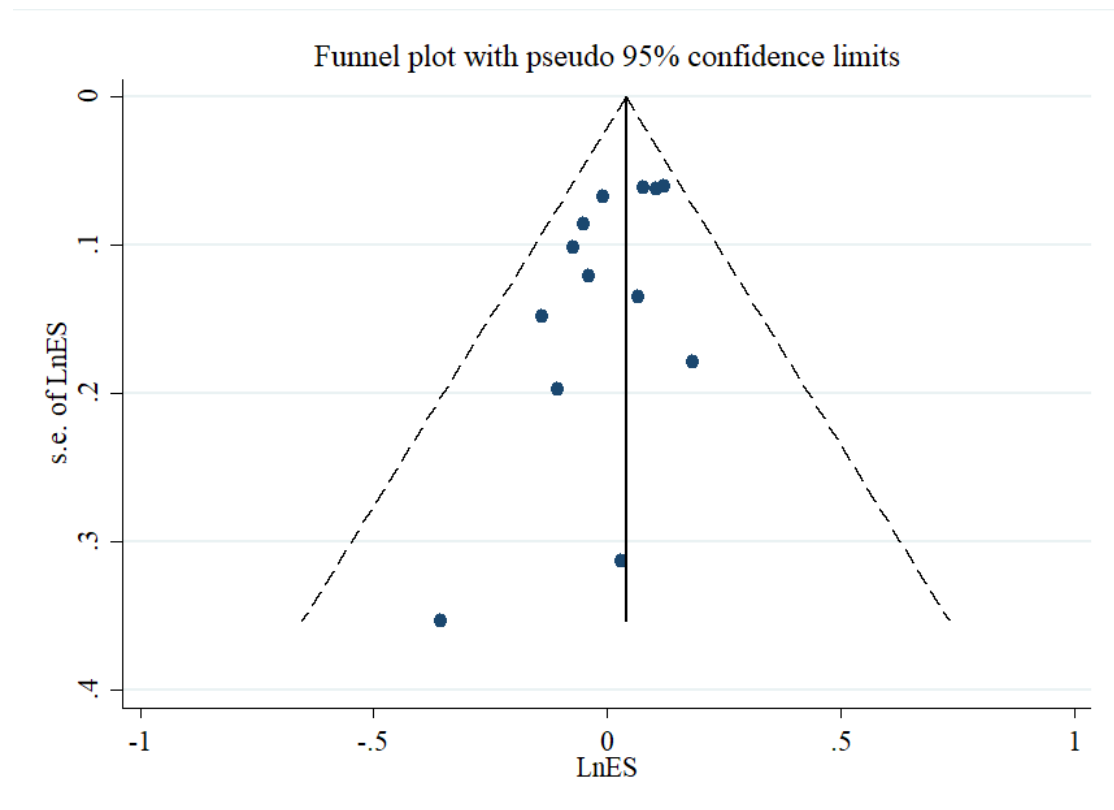


Table1. PubMed retrieval strategy

((("Vitamin D"[Mesh] OR "Vitamin D"[tiab] OR "Cholecalciferol"[Mesh] OR Cholecalciferol[tiab] OR "Ergocalciferols"[Mesh] OR Ergocalciferol[tiab] OR "Calcitriol"[Mesh] OR Calcitriol[tiab] OR "25-hydroxyvitamin D"[tiab] OR "1,25-dihydroxyvitamin D"[tiab] OR "vitamin D3"[tiab] OR "D3"[tiab]) AND "Pregnancy"[Mesh] OR "Pregnant Women"[Mesh] OR Pregnant*[tiab] OR "Maternal"[tiab] OR "Mother"[tiab] OR Gestation*[tiab] OR Antenatal[tiab] OR Prenatal[tiab])) AND ("Respiratory Tract Infections"[Mesh] OR "Respiratory System"[Mesh] OR "Immune System"[Mesh] OR "Immunity"[Mesh] OR "Respiratory"[tiab] OR "Pulmonary"[tiab] OR "Lung"[tiab] OR "Airway"[tiab] OR "Wheez*[tiab] OR "Asthma"[tiab] OR "Bronchitis"[tiab] OR "Pneumonia"[tiab] OR "Immune"[tiab] OR "Immunity"[tiab] OR "Immunological"[tiab] OR "Allergy"[tiab] OR "Allergic"[tiab] OR "Atopy"[tiab] OR "Atopic"[tiab])) AND ("Randomized Controlled Trial"[pt] OR "Controlled Clinical Trial"[pt] OR "Random*[tiab] OR "Placebo"[tiab] OR "Clinical trial"[tiab] OR "Controlled trial"[tiab] OR "RCT"[tiab])



Supplementary figure 1. The results of sensitivity analysis for RTI.



Supplementary figure 2. The funnel plot for the RTI.