

Fig. S1. The PRISMA flow diagram of the study

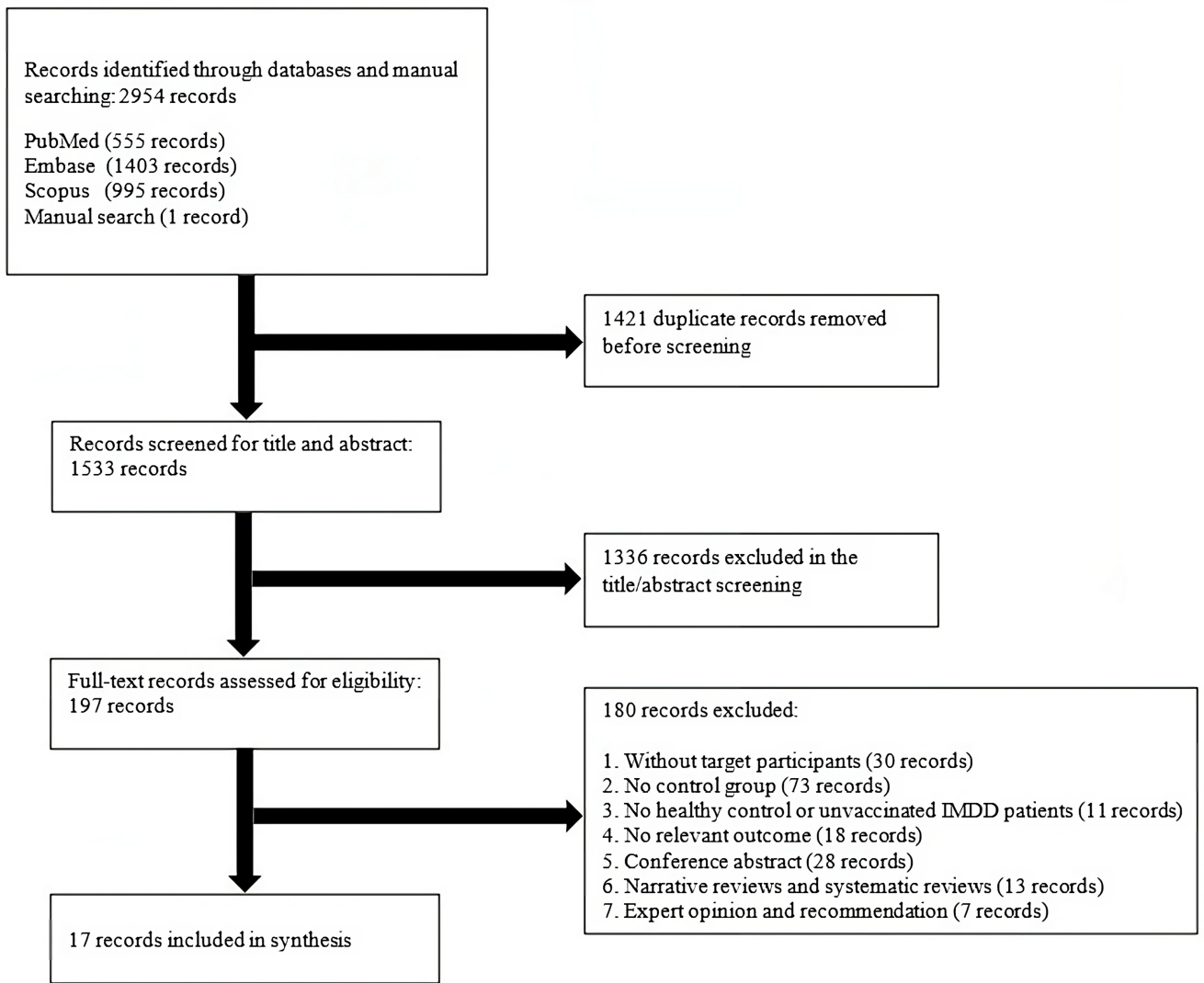


Fig. S2. Funnel plots and contour-enhanced funnel plots for meta-analyses of the seroconversion (a), anti-SARS-CoV-2 IgG antibody (b), breakthrough COVID-19 infection (c), and adverse events (d) outcomes in vaccinated IMDD patients compared with vaccinated HCs

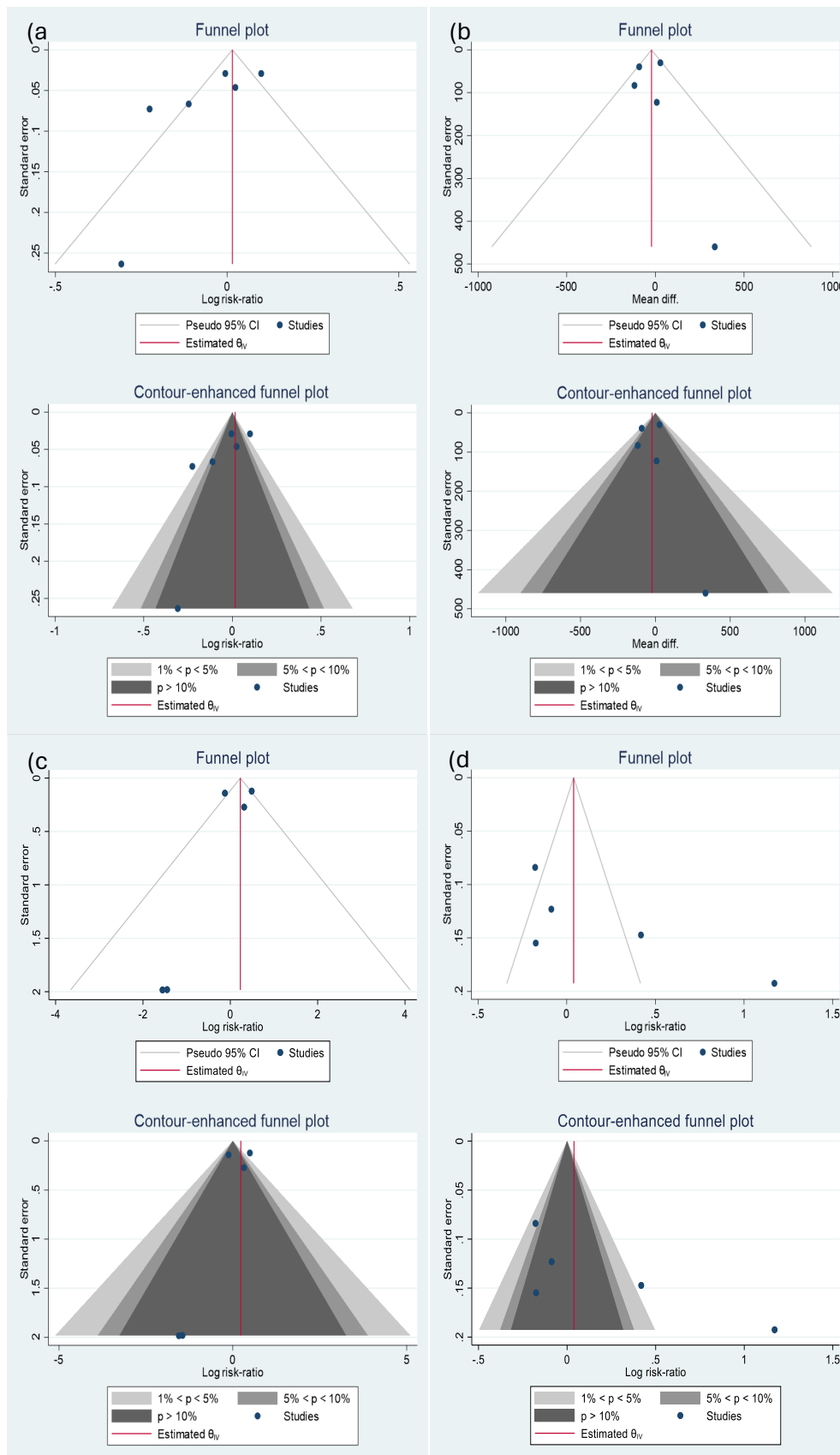


Fig. S3. Funnel plot and contour-enhanced funnel plot for meta-analysis of the breakthrough COVID-19 infection outcome in vaccinated IMDD patients compared with unvaccinated IMDD patients

