

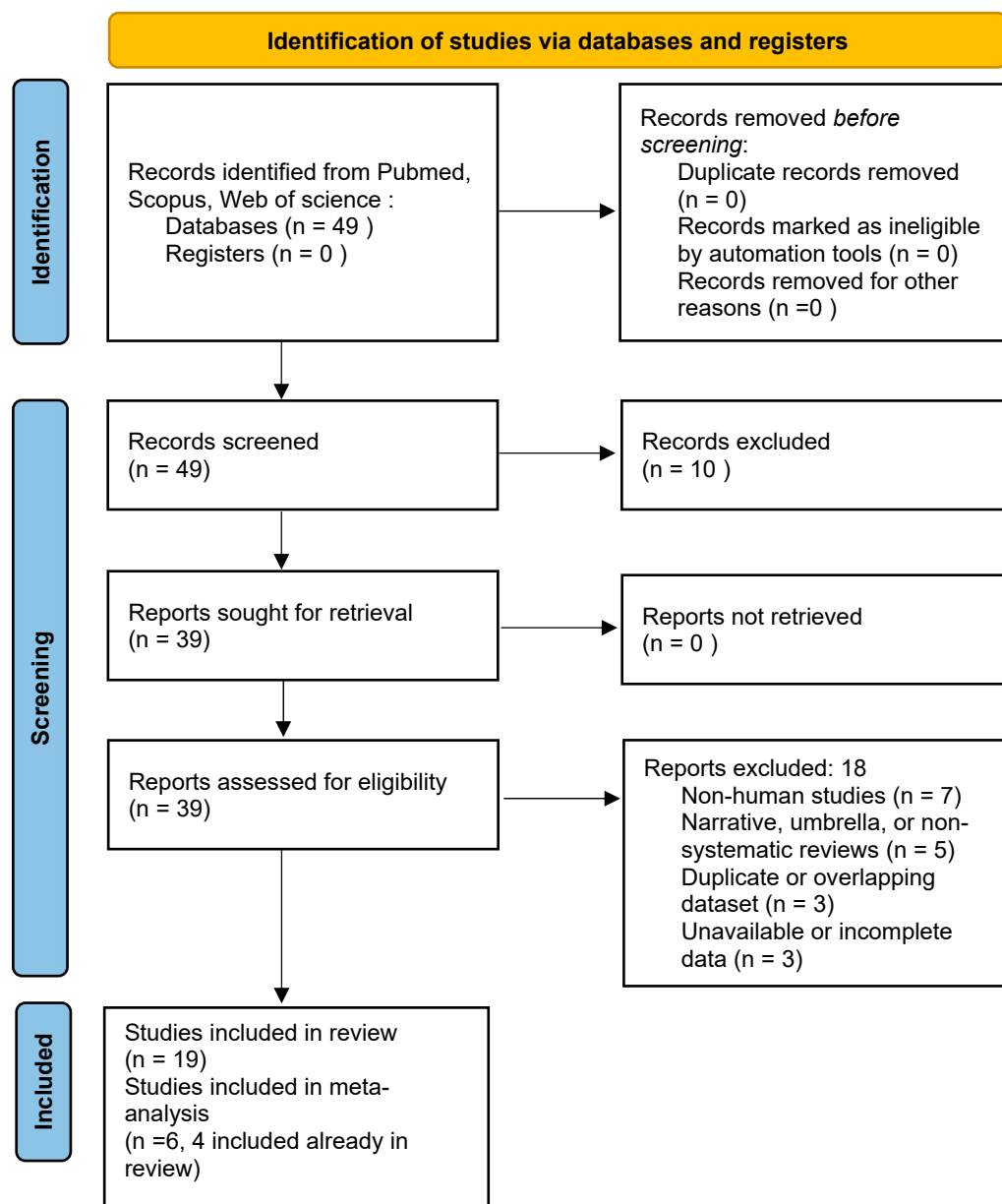


Figure S1. PRISMA 2020 flow diagram illustrating the study selection process.

The database search (PubMed, Scopus, Web of Science; 2004–June 2025) identified 49 records after deduplication. After title and abstract screening, 10 studies were excluded for irrelevance, leaving 39 full-text articles assessed for eligibility. Of these, 20 were excluded for specific reasons: non-human or animal studies (n = 6), narrative or umbrella reviews (n = 5), absence of relevant neonatal outcomes (n = 5), duplicate or overlapping datasets (n = 2), and incomplete or unavailable data (n = 2). Nineteen studies were included in the qualitative synthesis, and six provided quantitative data for meta-analysis.