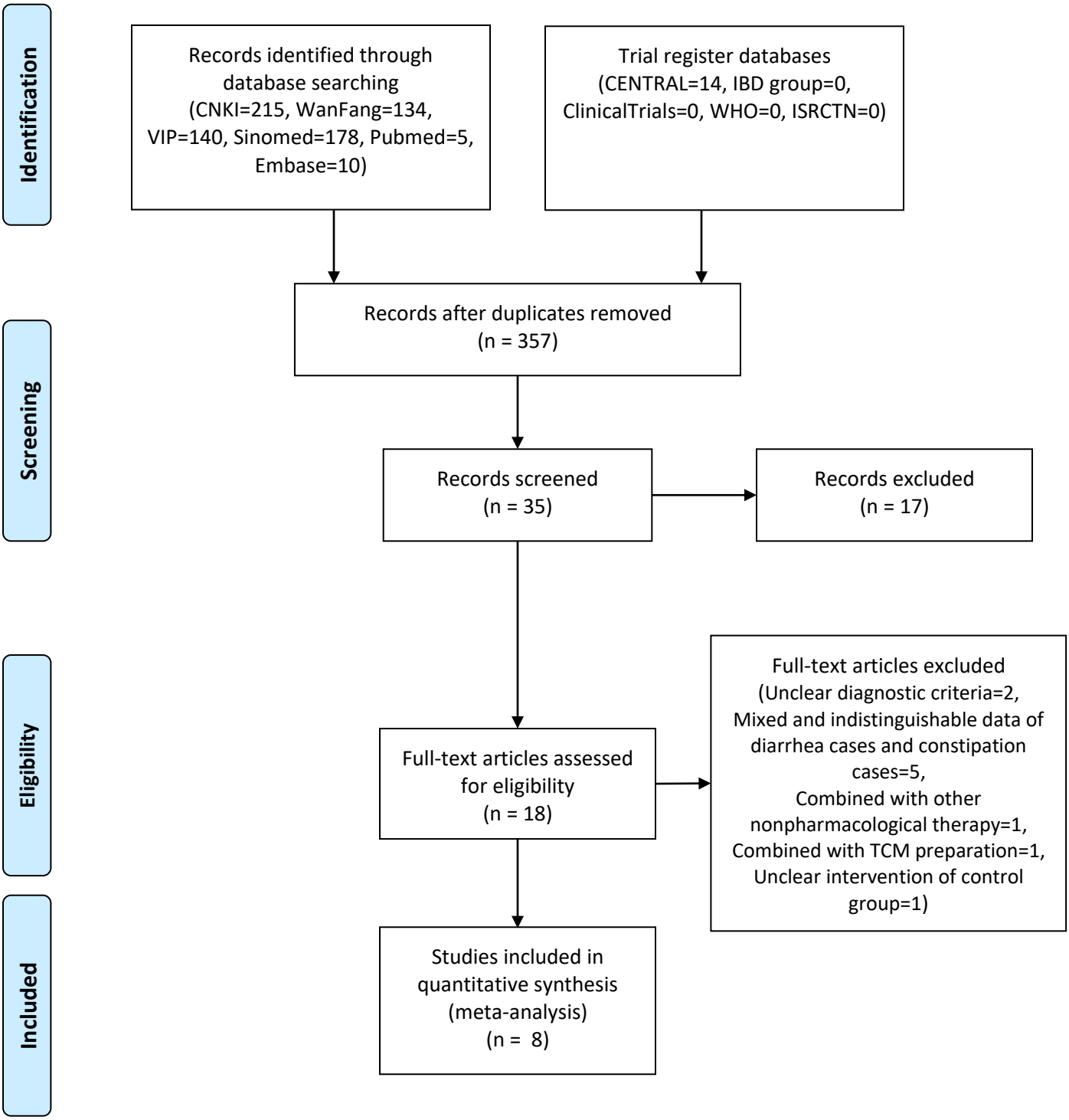Figure 1 Flow Diagram