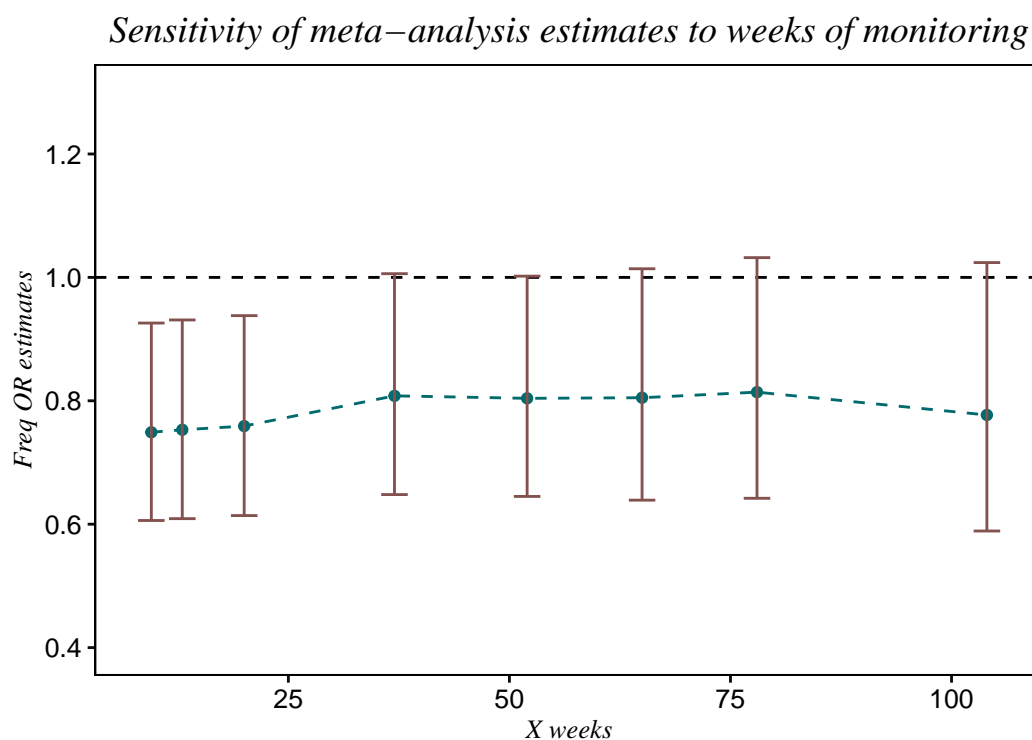


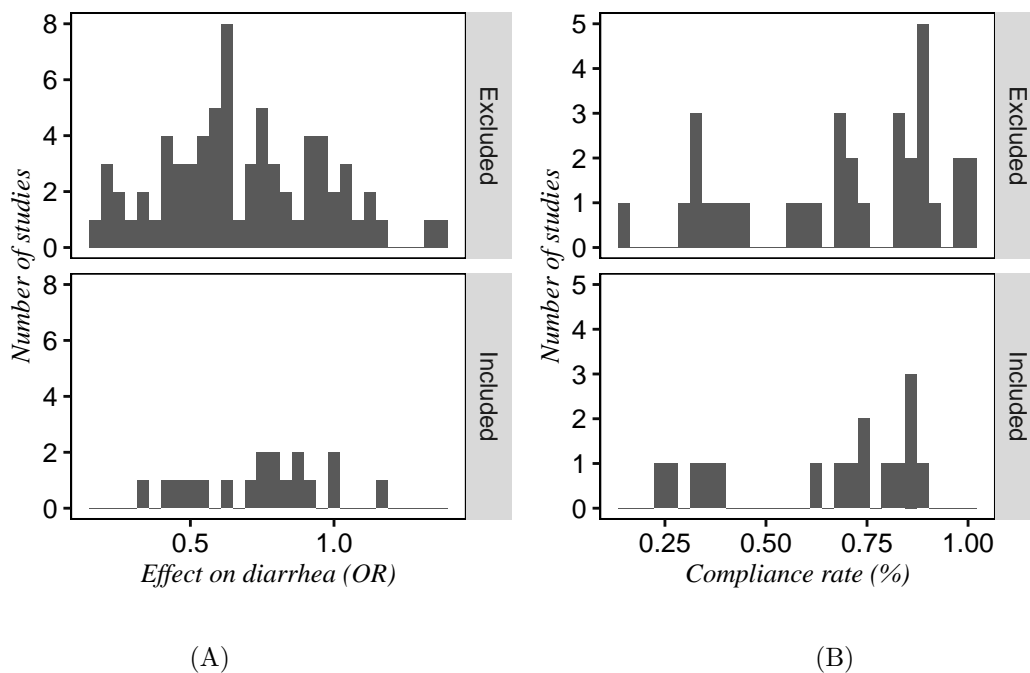
Supplementary Figures

Fig. S1. Restricting set of studies to longer follow-up lengths



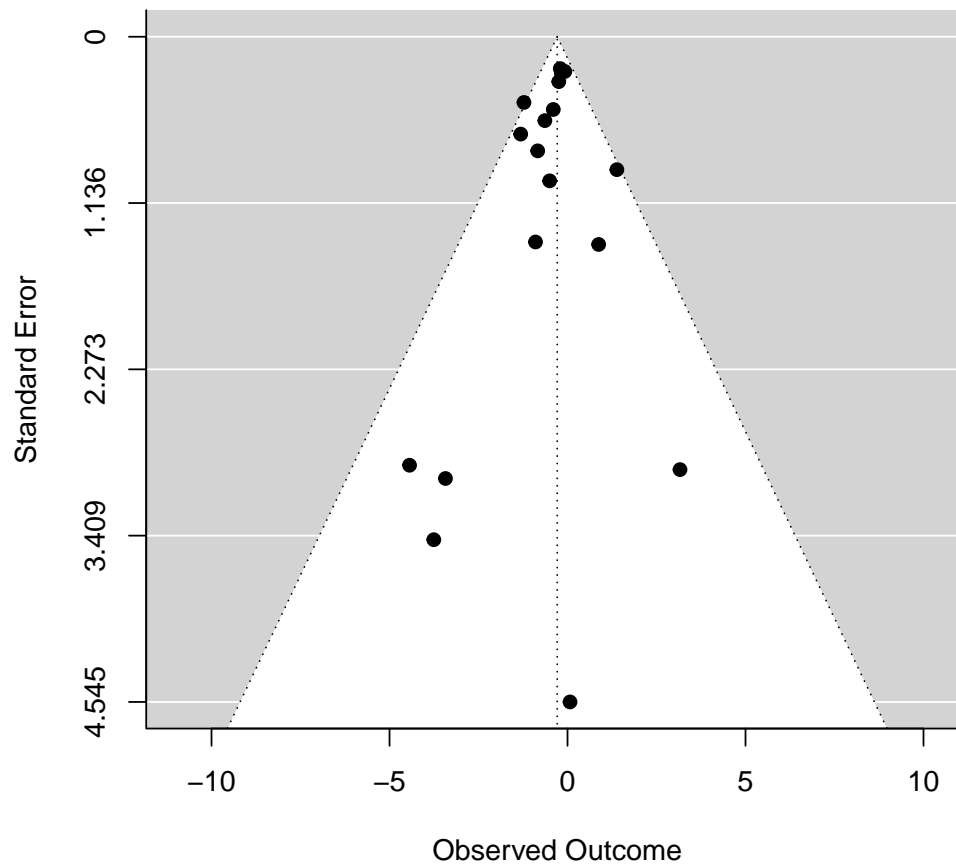
Notes: This figure presents the odds ratio estimated by the frequentist meta-analysis model with studies shorter than X weeks removed. Each point is the frequentist OR estimate, and the bars represent the 95% Confidence Interval for each estimate. All 18 studies in the main sample are included for $X = 9.5$ weeks, and 4 studies are included for $X = 104$ weeks (2 years).

Fig. S2. Diarrhea effect estimates and compliance rates across included and excluded studies



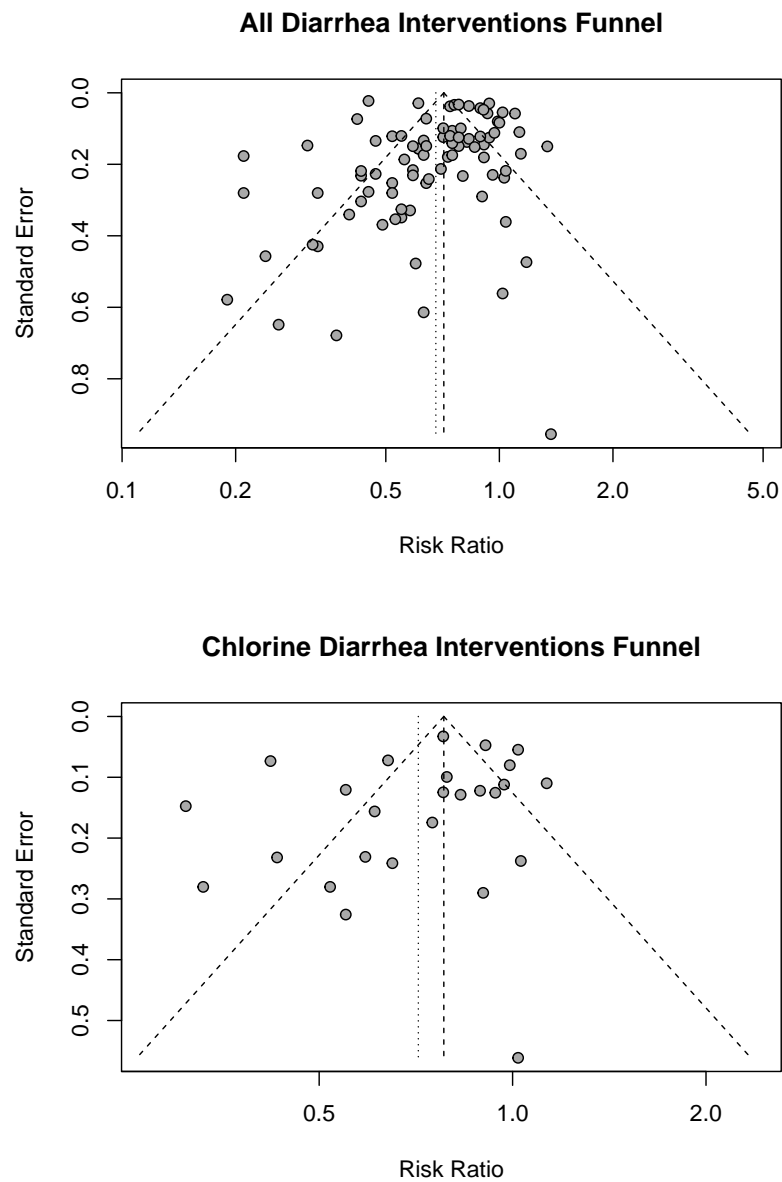
Notes: Figure (A) presents the diarrhea effect size across included (bottom panel) and excluded (top panel) studies. Figure (B) presents the compliance rate across included (bottom panel) and excluded (top panel) studies.

Fig. S3. Funnel plot to examine publication bias



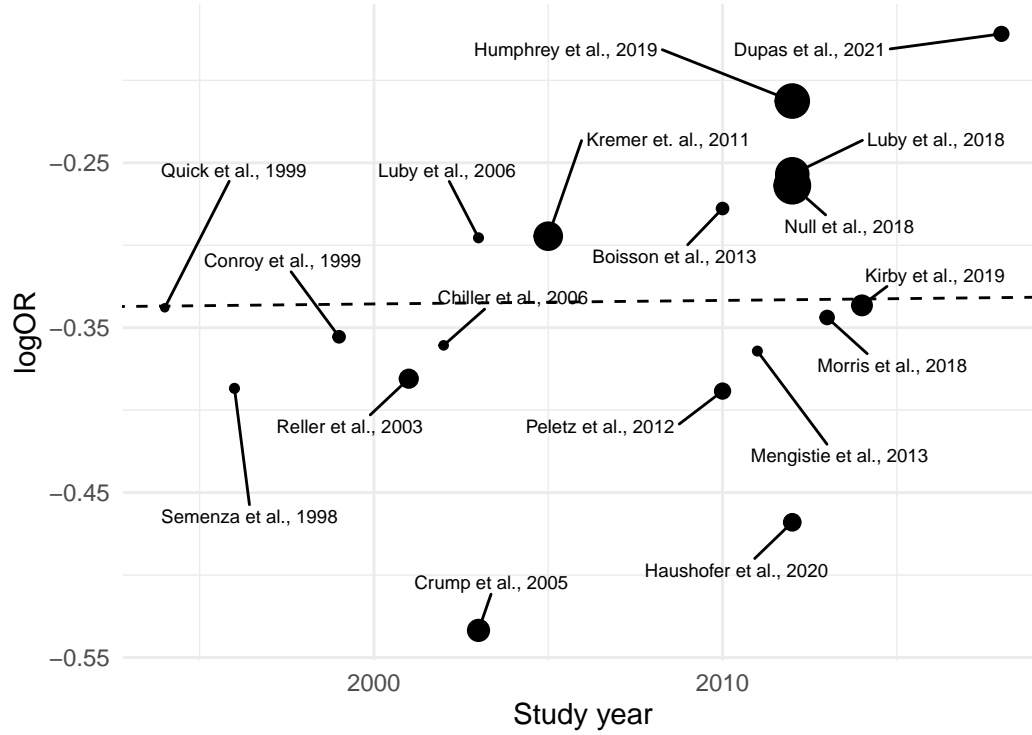
Notes: This figure presents a funnel plot. Symmetry on either side of the vertical line (representing the overall effect) suggests that publication bias is not present. Results for funnel asymmetry test are reported in Materials and Methods, Section 5.

Fig. S4. Funnel plot for all diarrhea interventions and chlorine diarrhea interventions



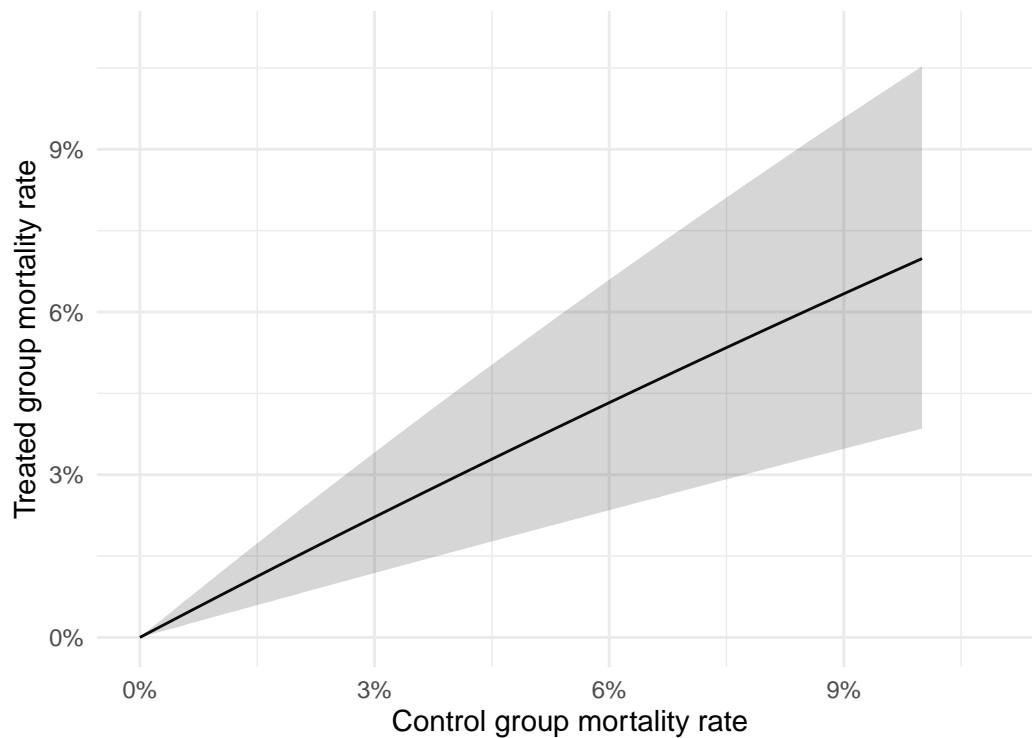
Notes: Funnel plot to assess publication bias in risk ratio estimates of diarrhea morbidity in all augmented available studies (top panel) and the subset of chlorination studies (bottom panel).

Fig. S5. Heterogeneity in treatment effects, by study year



Notes: The relationship between treatment effect estimates (y axis) and the study year (x axis) across 18 studies included in the sample. Year of intervention is the year that each studied intervention was launched. We find no association (slope is less than 0.0002 per year, with SD = 0.0025) between mortality and study year. Each point represents a study. The size of each bubble is inversely proportional to the standard errors of treatment effect estimate.

Fig. S6. Predicted mortality among treated as a function of control group mortality



Notes: The relationship between a given mortality rate in control group, p (x axis) and mortality among treated (y axis) is, for a given OR , $\frac{OR[p/(1-p)]}{1+OR[p/(1-p)]}$. For small values of p the relationship is nearly linear, as seen in the figure. We use the posterior predictive distribution (of OR 's in a new setting) from the Bayesian model to construct mean (solid line) and 90% interval (shaded area) for mortality among treated.

Fig. S7. Diarrhea prevalence in included studies compared to distribution low- and middle- income countries

