**Appendix 1: Flow Diagram**

Records screened
(n = 131)

Records after duplicates removed
(n = 131)

## Identification

Records identified through database searching (n = 103)

Additional records identified through other sources (n =28)

Full-text articles excluded- no estimates (n =17)

Records excluded (qualitative, research not original, not primarily focussing on Africa/pregnancy
(n = 95)

## Screening

## Eligibility

## Included

Studies included in quantitative synthesis (meta-analysis) (n = 19)

Full-text articles assessed for eligibility (n = 36)