

S2 Table. Quality Assessment of Included Studies

| Study | Score for study design | Risk of selection bias? | Risk of information bias? | Risk of attrition bias? | Adequate adjustment for confounding? | Accounted for reverse causality? | Should the score for study design be adjusted for study quality? | Score after adjustment |
|---------------------|--|---|---|---|--|--|--|------------------------|
| Akter 2015 | Low - Cross-sectional | Yes - cross sectional | Yes - recall up to 3 years allowed | No - not applicable due to study design | Yes | No | Yes | Very low |
| Bamji 2008 | Low - Retrospective and prospective cohort | Yes - 30% of selected women were not reachable and thus excluded from study | Yes - assessment conducted 1-2 months after delivery. | Yes - 30% of selected women were Not reachable and thus excluded from study | No - Proportions presented. No control for confounding. | Yes - excluded 7 children who died on day 1. | Yes | Very low |
| Caglar 2006 | Low - Case control | No | No | No - not applicable due to study design | No | Yes | Yes | Very low |
| Clemens 1999 | Low - Prospective cohort | No | No - median age at enrollment was 11 days (IQR 7-16). | No -loss to follow up = 10% | No - Adjusted models do not include preterm or low birthweight status. | Yes - Median age at enrollment was 11 days. | No | Low |
| Dewey 2003 | Low - Prospective cohort | No | No | No | Not for our exposure and outcome of interest | Not for our exposure and outcome of interest | Yes | Very low |
| Edmond 2006 | Low - Prospective cohort (within RCT) | No | No - median assessment at 14 days postpartum | No | Yes | Yes | Yes | Moderate |
| Engelbrechtsen 2008 | Low - Cross-sectional | Yes - cross sectional | No | No - not applicable due to study design | No | No | Yes | Very low |
| Enzunga 1990 | Low - Prospective cohort | unclear | unclear | unclear | No | No | Yes | Very low |

S2 Table (continued). Quality Assessment of Included Studies

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|--|---------------------------------------|-------------------------|---|---|--------------------------------------|----------------------------------|--|------------------------|
| Garcia 2011 | Low - Prospective cohort | No | No | No | Yes | Yes | Yes | Moderate |
| Hajeebhoy 2014 | Low - Cross-sectional | Yes - cross sectional | Yes - median age as assessment was 3.3 months | No - not applicable due to study design | No | No | Yes | Very low |
| Meshram 2012 | Low - Cross-sectional | Yes - cross sectional | No | No - not applicable due to study design | No | Yes | Yes | Very low |
| Mullany 2008 | Low - Prospective cohort (within RCT) | No | No | No | Yes | Yes | Yes | Moderate |
| Mullany 2010 | Low - Prospective cohort (within RCT) | No | No | No | Yes | Yes | Yes | Moderate |
| Mullany 2009 | Low - Prospective cohort (within RCT) | No | No | No (89% of infants receive all 6 assessments) | Yes | Yes | Yes | Moderate |
| Neovita 2016 [Includes: Edmond 2015 Masanja 2015 Mazunder 2015] | Low - Prospective cohort (within RCT) | No | No | Very low LTFU | Yes | Early deaths excluded | Yes | Moderate |
| Niswade 2011 | Low - Prospective cohort | No | No - visited on day 0 and day 1 | No | Yes | No | Yes | Very low |

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|--------------------|---------------------------------------|-------------------------|---|---|--------------------------------------|--|--|------------------------|
| Shah 2014 | Low - Prospective cohort (within RCT) | No | No - visisted on day of birth | No (~10% excluded due to missing LMP) | Yes | Yes | Yes | Moderate |
| Sutan 2014 | Low - Case control | No | Yes - retrospective assessment of breastfeeding after child death | No - not applicable due to study design | Yes | No | Yes | Very low |
| Van den Bosch 1990 | High - Randomized Control Trial | No | No | No (~11% missing 24 hour measurement) | N/A (due to study design) | Yes - preterm, low birthweight, and low Apgar score infants excluded | Yes | High |
| Wren 2015 | Low - Cross-sectional | Yes - cross sectional | No | No - not applicable due to study design | No | Yes | Yes | Very low |