## Supplementary sheet S1: Search strategy

Search method

Three electronic databases (PubMed, Scopus, and ScienceDirect) were searched for references between 1990 to June 2018. We used combination of keywords as search strategy in selected databases.

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| Low birth weight | "infant, low birth weight"[MeSH Terms] OR ("infant"[All Fields] AND "low"[All Fields] AND "birth"[All Fields] AND "weight"[All Fields]) OR "low birth weight infant"[All Fields] OR ("low"[All Fields] AND "birth"[All Fields] AND "weight"[All Fields]) OR "low birth weight"[All Fields] |
| Preterm birth | "premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("preterm"[All Fields] AND "birth"[All Fields]) OR "preterm birth"[All Fields] |
| Small for gestational age | "Small"[Journal] OR "small"[All Fields]"gestational age"[MeSH Terms] OR ("gestational"[All Fields] AND "age"[All Fields]) OR "gestational age"[All Fields] |
| Stunting | "growth disorders"[MeSH Terms] OR ("growth"[All Fields] AND "disorders"[All Fields]) OR "growth disorders"[All Fields] OR "stunting"[All Fields] |
| Wasting | "cachexia"[MeSH Terms] OR "cachexia"[All Fields] OR "wasting"[All Fields] |
| Underweight | "thinness"[MeSH Terms] OR "thinness"[All Fields] OR "underweight"[All Fields] |
| Undernutrition | "malnutrition"[MeSH Terms] OR "malnutrition"[All Fields] OR "undernutrition"[All Fields] |
| free full text[sb] | "loattrfree full text"[sb] |
| full text[sb] | "loattrfull text"[sb] |

**Combination of keywords**:

The combination took into account to the country, the socioeconomic exposure, and the outcome of interest (birth and infant growth outcomes).

1. **Setting :**

Angola OR Benin OR Botswana OR Burkina Faso OR Burundi OR Cameroon OR Cape Verde OR Central African OR Republic Chad OR Comoros OR Congo OR Democratic Republic of Congo OR Zaire OR Côte d'Ivoire OR Djibouti OR Equatorial Guinea OR Eritrea OR Ethiopia OR Gabon OR The Gambia OR Ghana OR Guinea OR Guinea-Bissau OR Kenya OR Lesotho OR Liberia OR Madagascar OR Malawi OR Mali OR Mauritania OR Mauritius OR Mozambique OR Namibia OR Niger OR Nigeria OR Réunion OR Rwanda OR Sao Tome and Principe OR Sao Tome OR Senegal OR Seychelles OR Sierra Leone OR Somalia OR South Africa OR Sudan OR Swaziland OR Tanzania OR Togo OR Uganda OR Western Sahara OR Zambia OR Zimbabwe OR sub Saharan Africa OR Eastern Africa OR Southern Africa OR Central Africa OR Austral Africa OR Western Africa.

1. **Socioeconomic factors** :

Household ownership OR Household assets OR Housing OR Wealth index OR Socioeconomic status OR Socioeconomic position OR Socioeconomic inequality OR Income OR Education OR Marital status OR Occupation OR Employment.

1. **Outcomes** :

Low birth weight OR Preterm birth OR Small for gestational age OR Stunting OR Stunted OR Wasting OR Wasted OR Underweight OR Undernutrition OR Malnutrition.