

Supplement to Longitudinal analysis of child
wasting and concurrence with stunting in
low-resource settings

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2020-06-10

Contents

Chapter 1

Overview

Recommended citation: Mertens A N, et al. 2020. Longitudinal analysis of child wasting and concurrence with stunting in low-resource settings. *Journal Name*. doi.

This site contains supplementary information to the *Longitudinal analysis of child wasting and concurrence with stunting in low-resource settings*.

Chapter 2

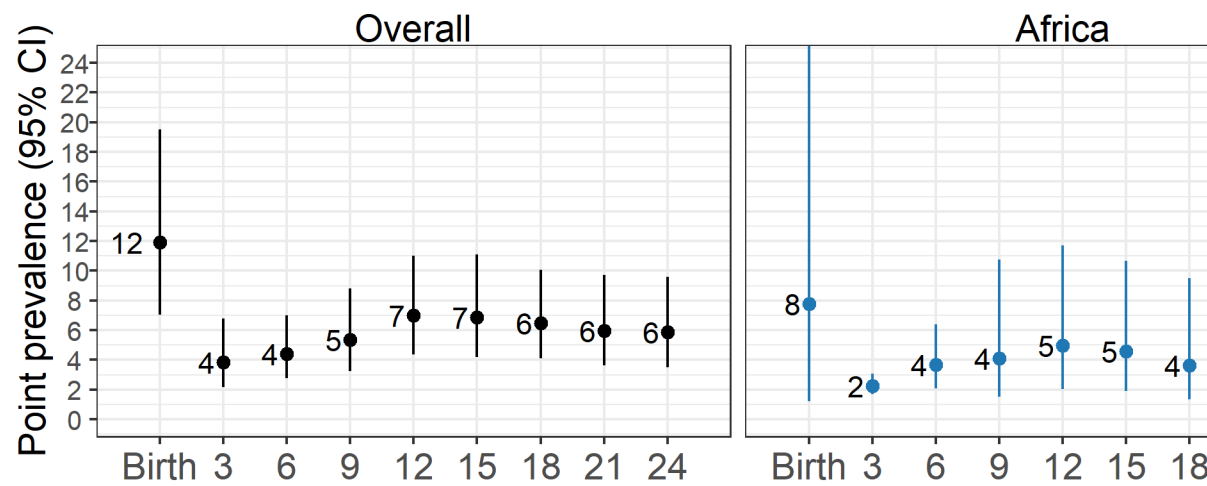
Sensitivity analysis using fixed effects

The primary analyses presented in this manuscript pooled across individual studies using random effects. Inferences about estimates from fixed effects models are restricted to only the included studies.¹ The random effects approach is more conservative in the presence of study heterogeneity and has larger confidence intervals around each point estimate unless all cohort-specific estimates are very similar. Overall, the inference from results produced by each method did not greatly differ.

¹Hedges, L. V. & Vevea, J. L. Fixed- and random-effects models in meta-analysis. *Psychol. Methods* 3, 486–504 (1998).

2.1 Age-specific prevalence

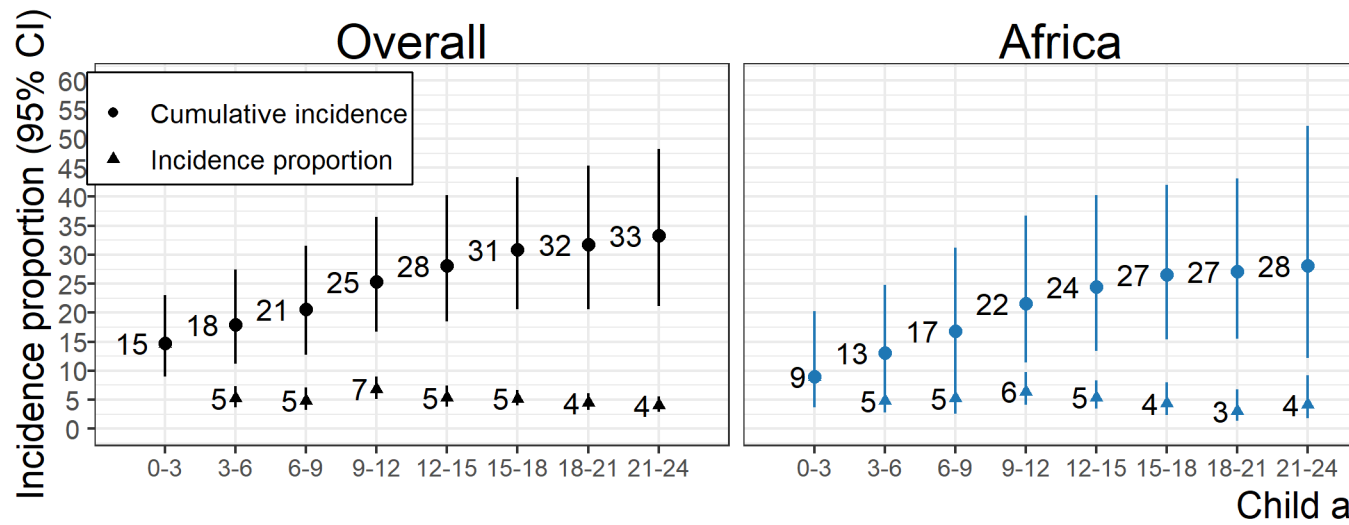
2.1.1 Random effects



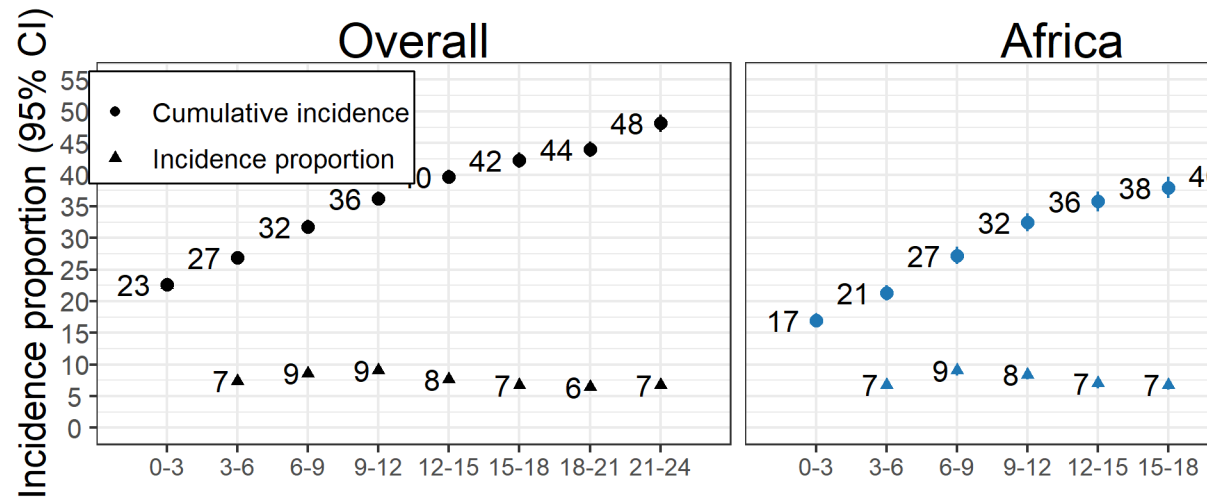
2.1.2 Fixed effects

2.2 Age-specific incidence

2.2.1 Random effects

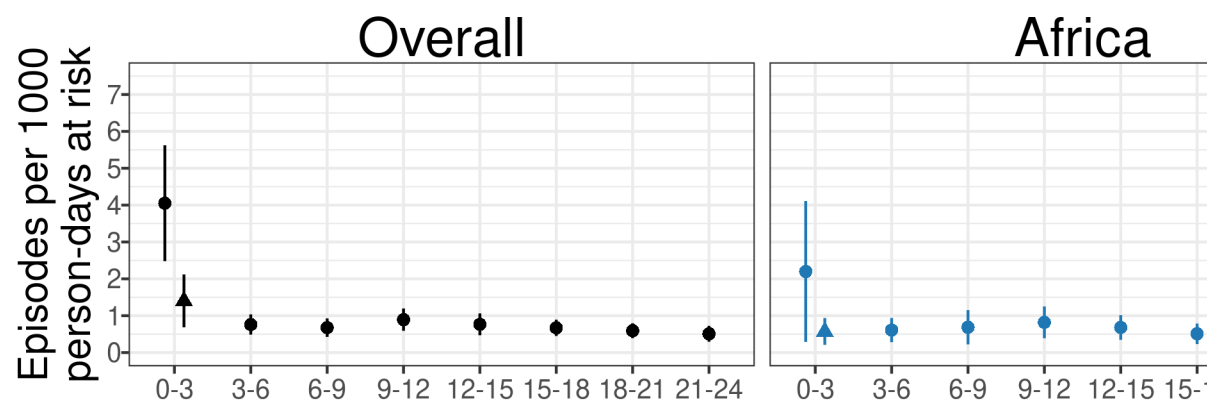


2.2.2 Fixed effects

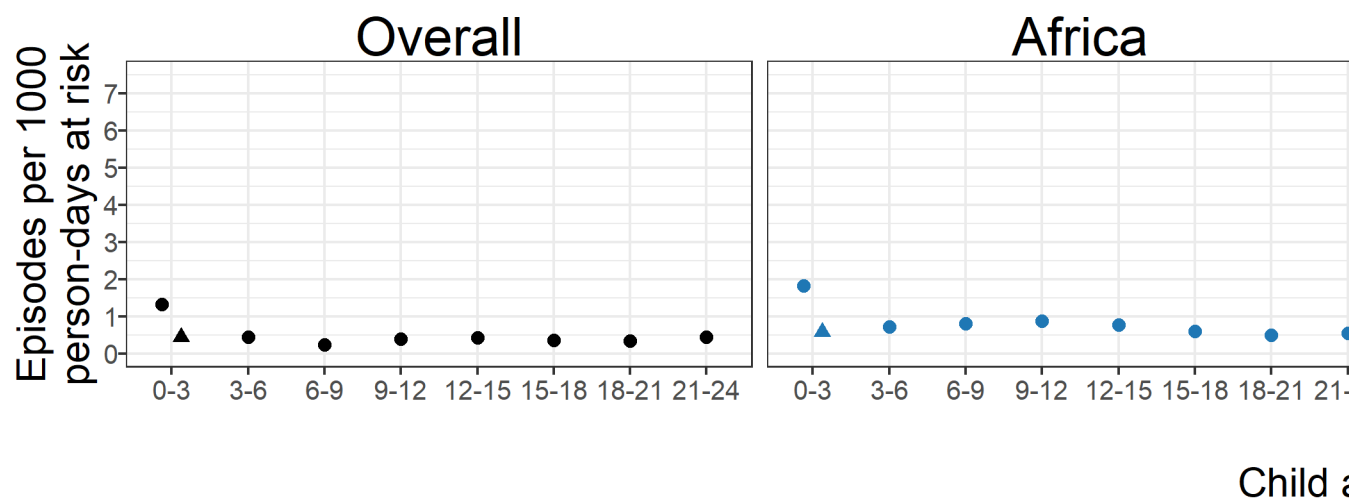


2.3 Age-specific incidence rate

2.3.1 Random effects

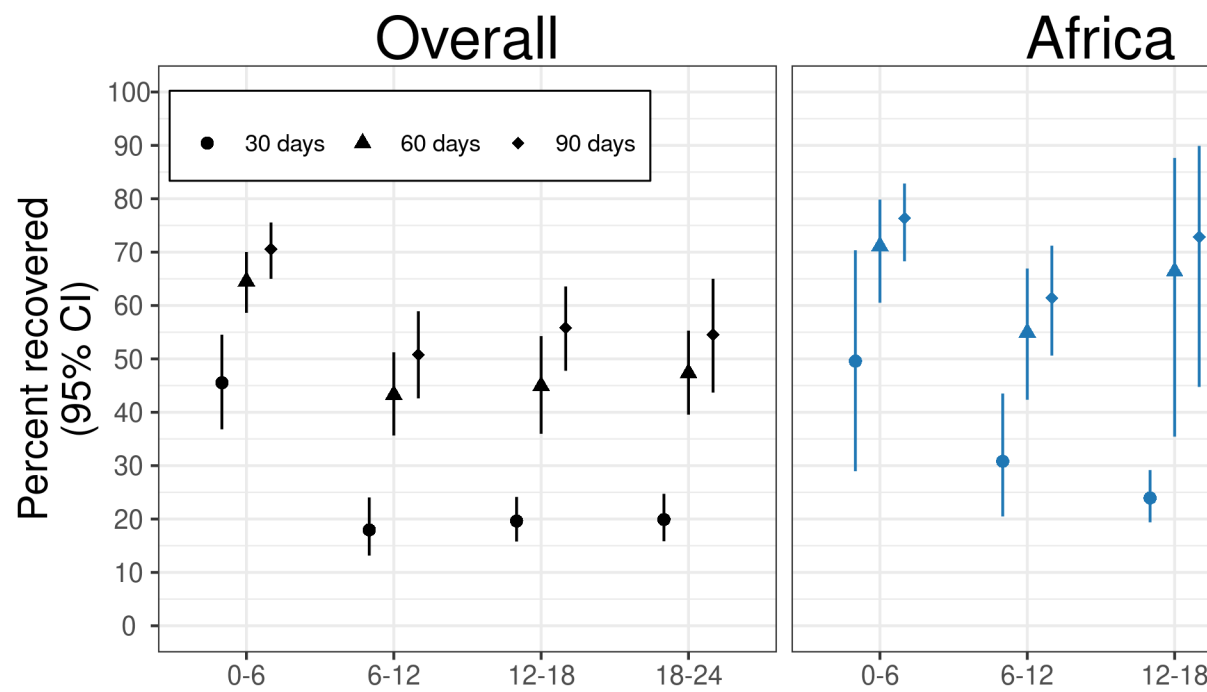


2.3.2 Fixed effects

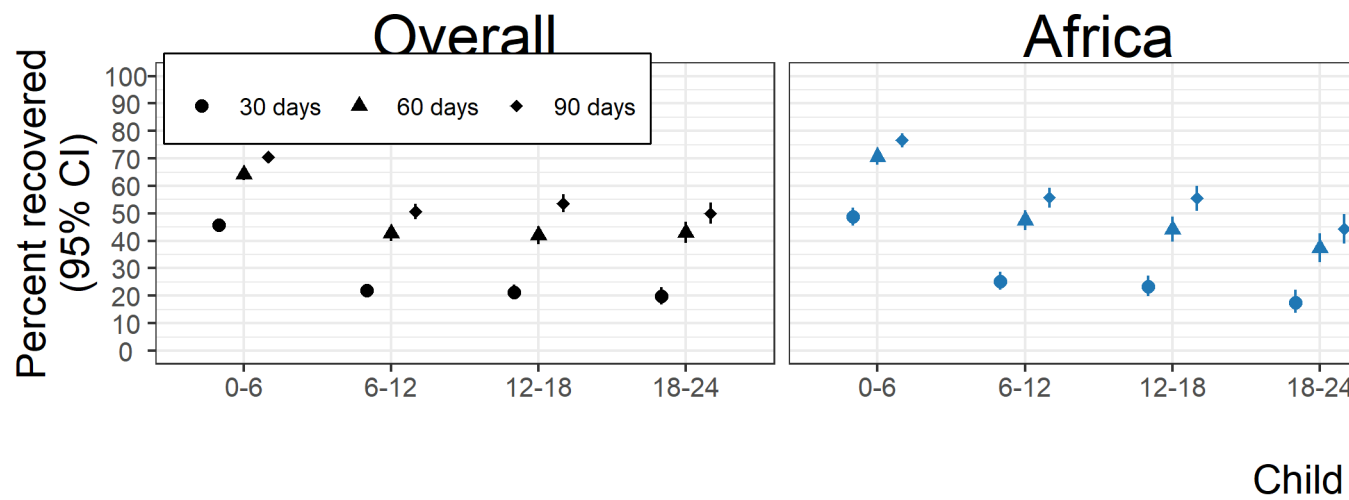


2.4 Age-specific recovery

2.4.1 Random effects

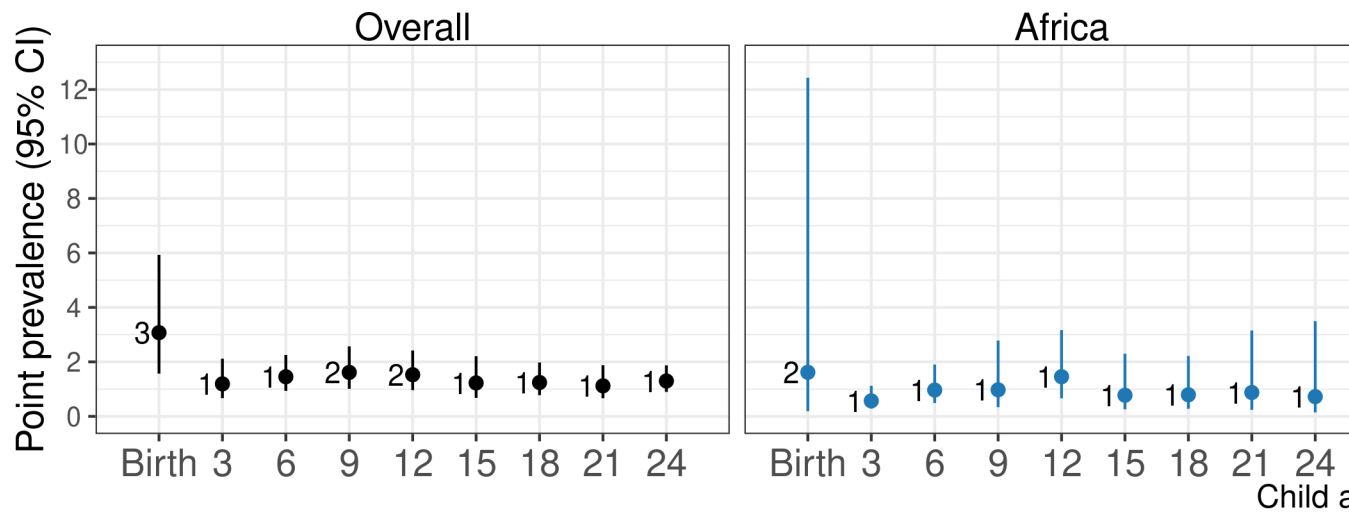


2.4.2 Fixed effects

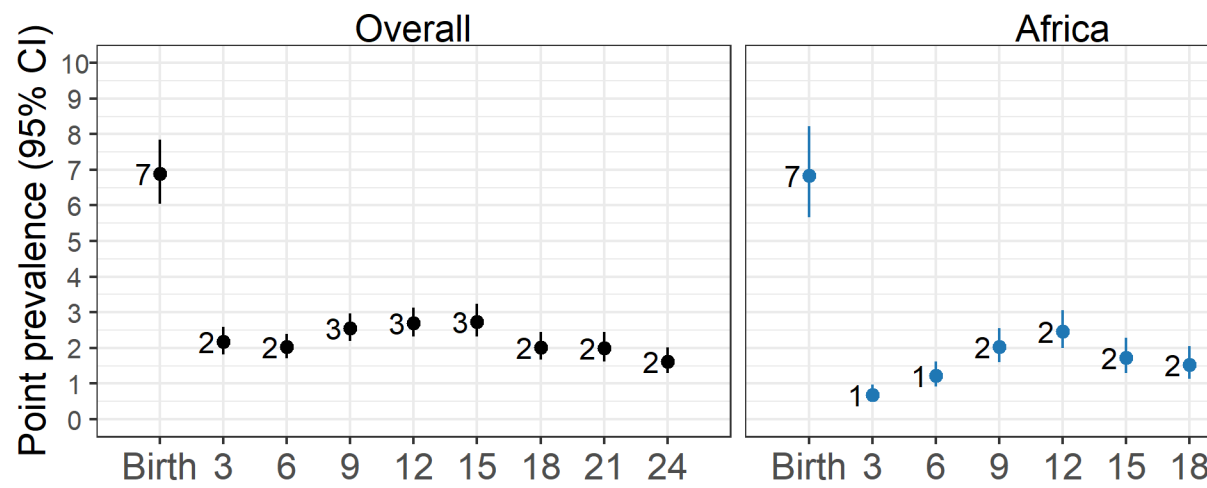


2.5 Age-specific prevalence of severe wasting

2.5.1 Random effects



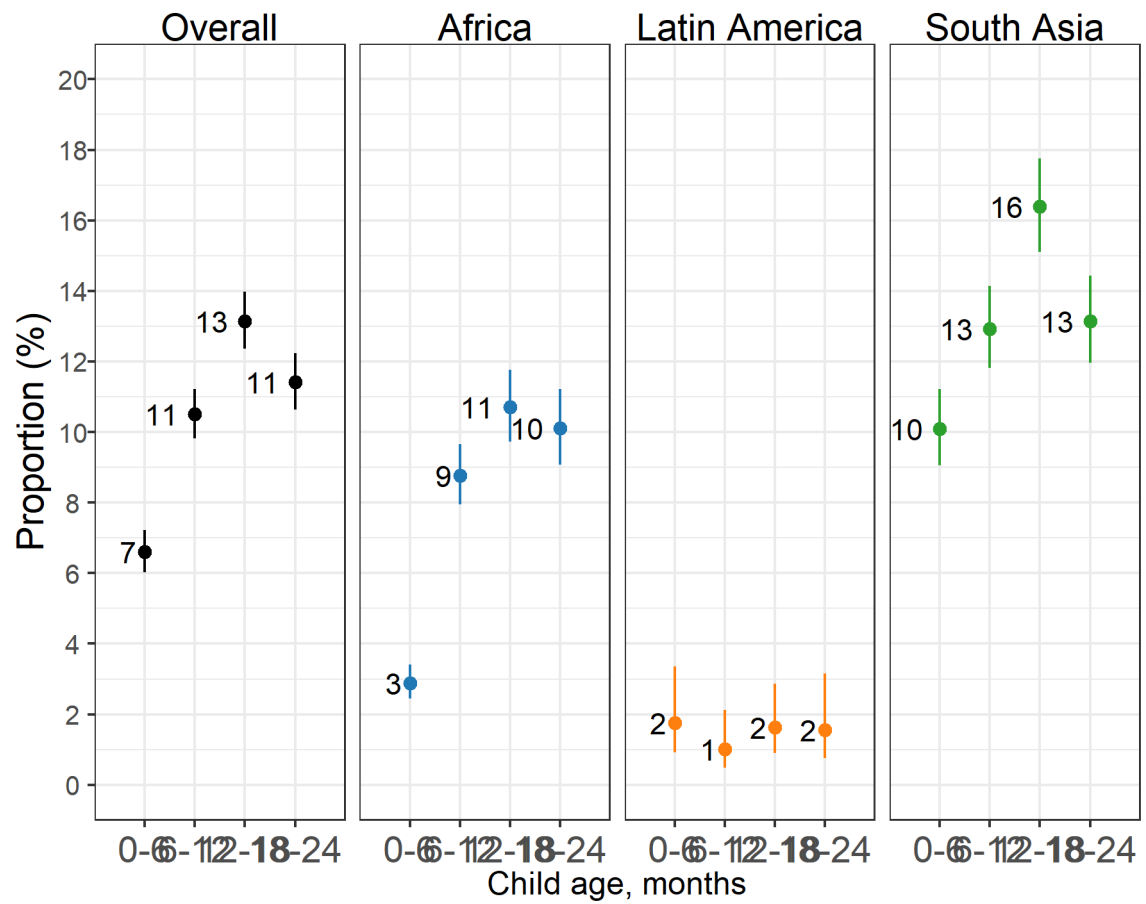
2.5.2 Fixed effects



2.6 Age-specific longitudinal prevalence of persistent wasting

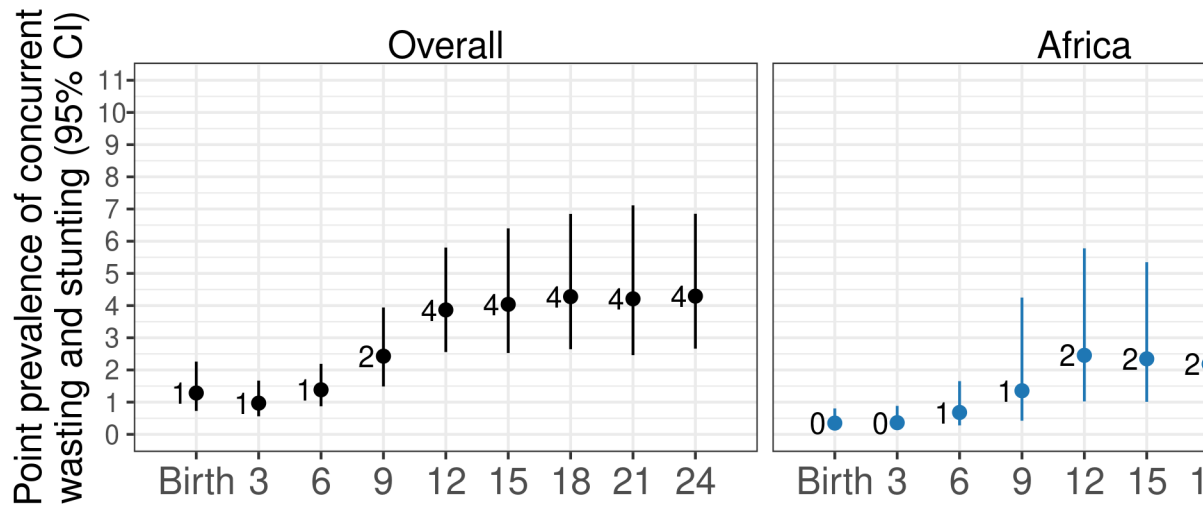
2.6.1 Random effects

2.6.2 Fixed effects

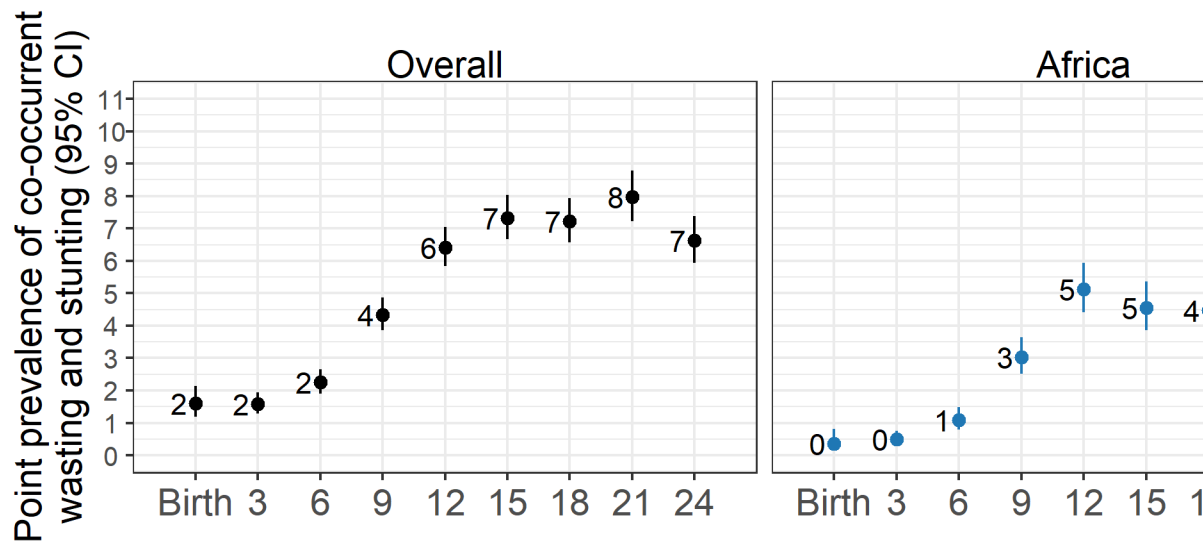


2.7 Age-specific prevalence of concurrent wasting and stunting

2.7.1 Random effects



2.7.2 Fixed effects

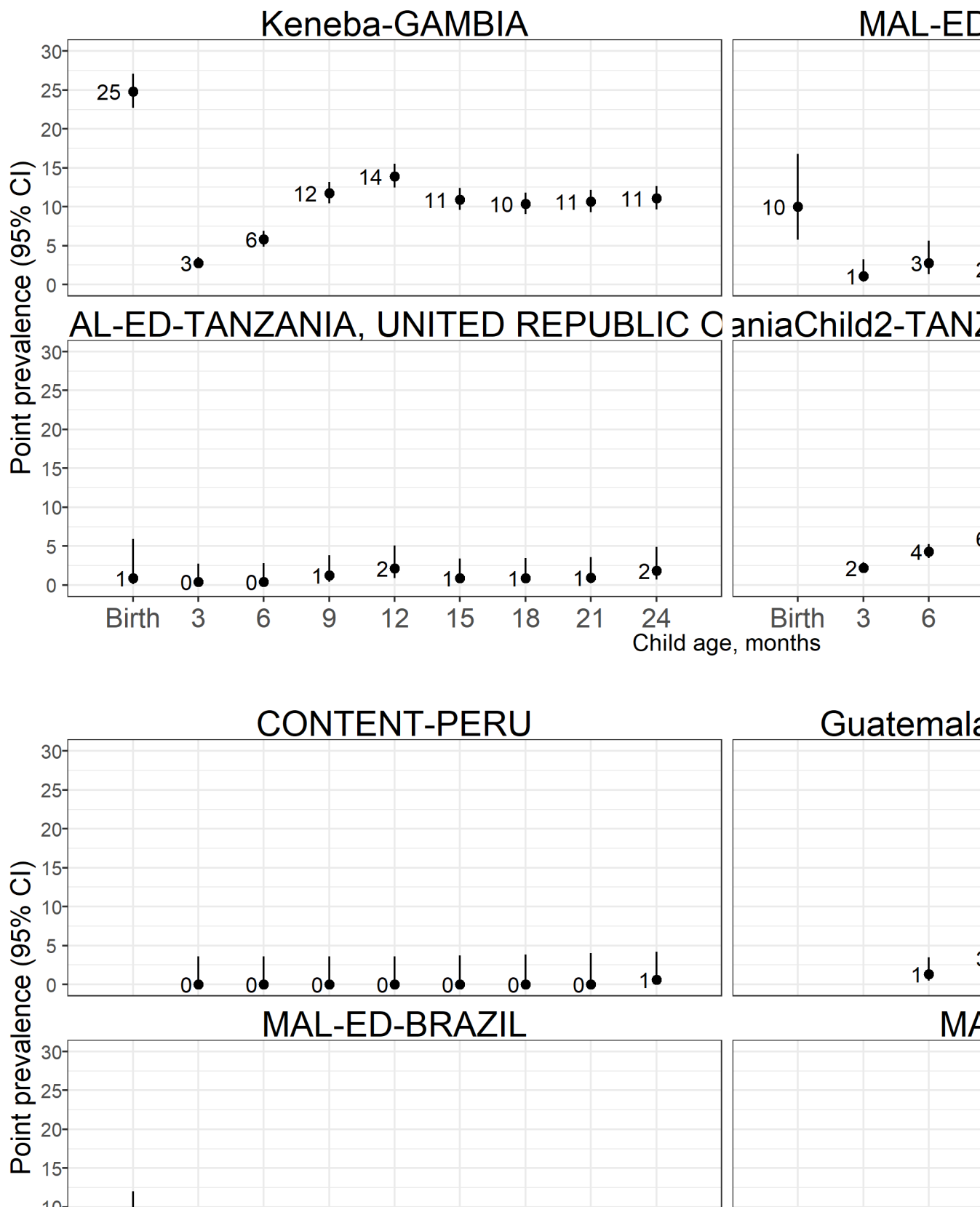


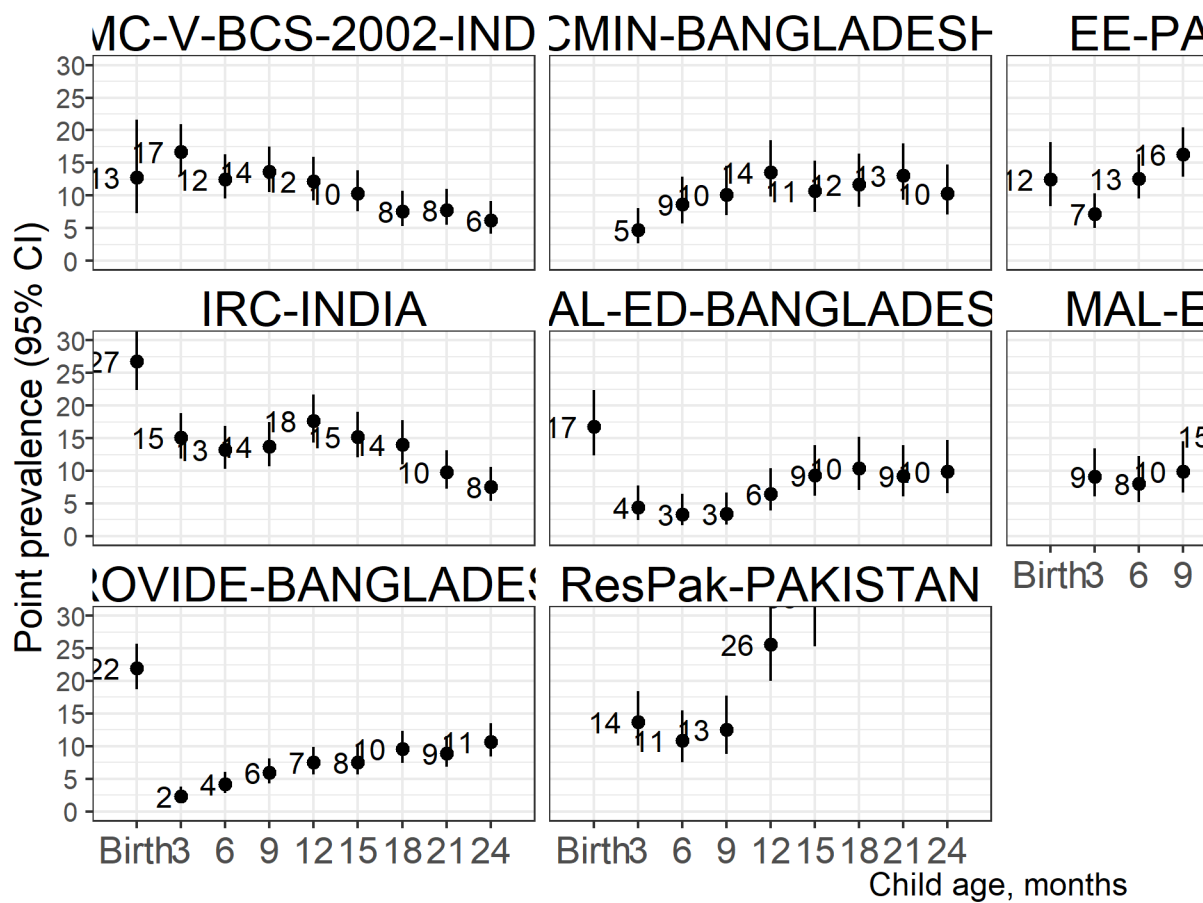
Chapter 3

Cohort-specific estimates

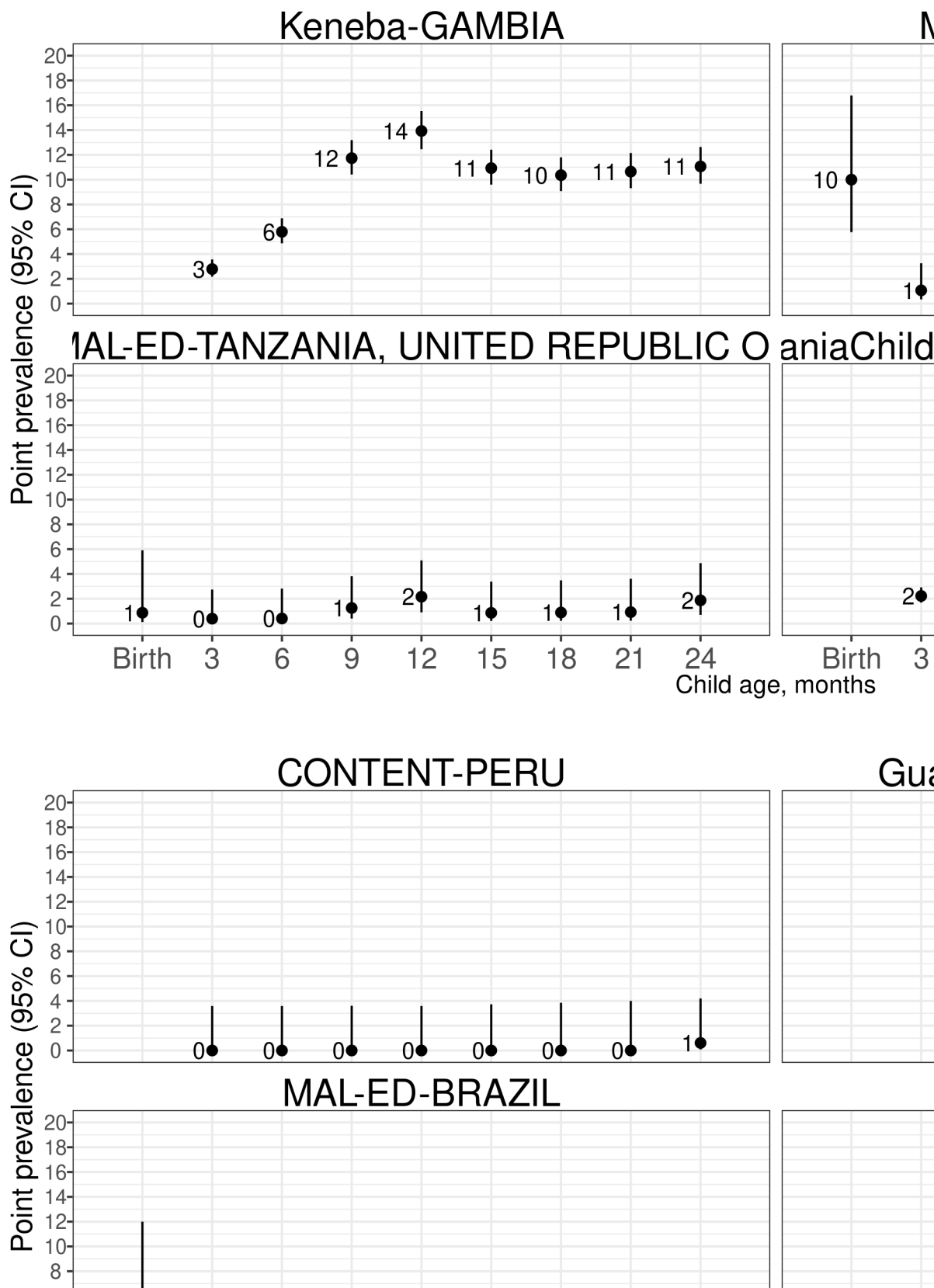
Below are the cohort-specific estimates for the age-specific prevalences of wasting, severe wasting, persistent wasting, underweight, and concurrent wasting and stunting.

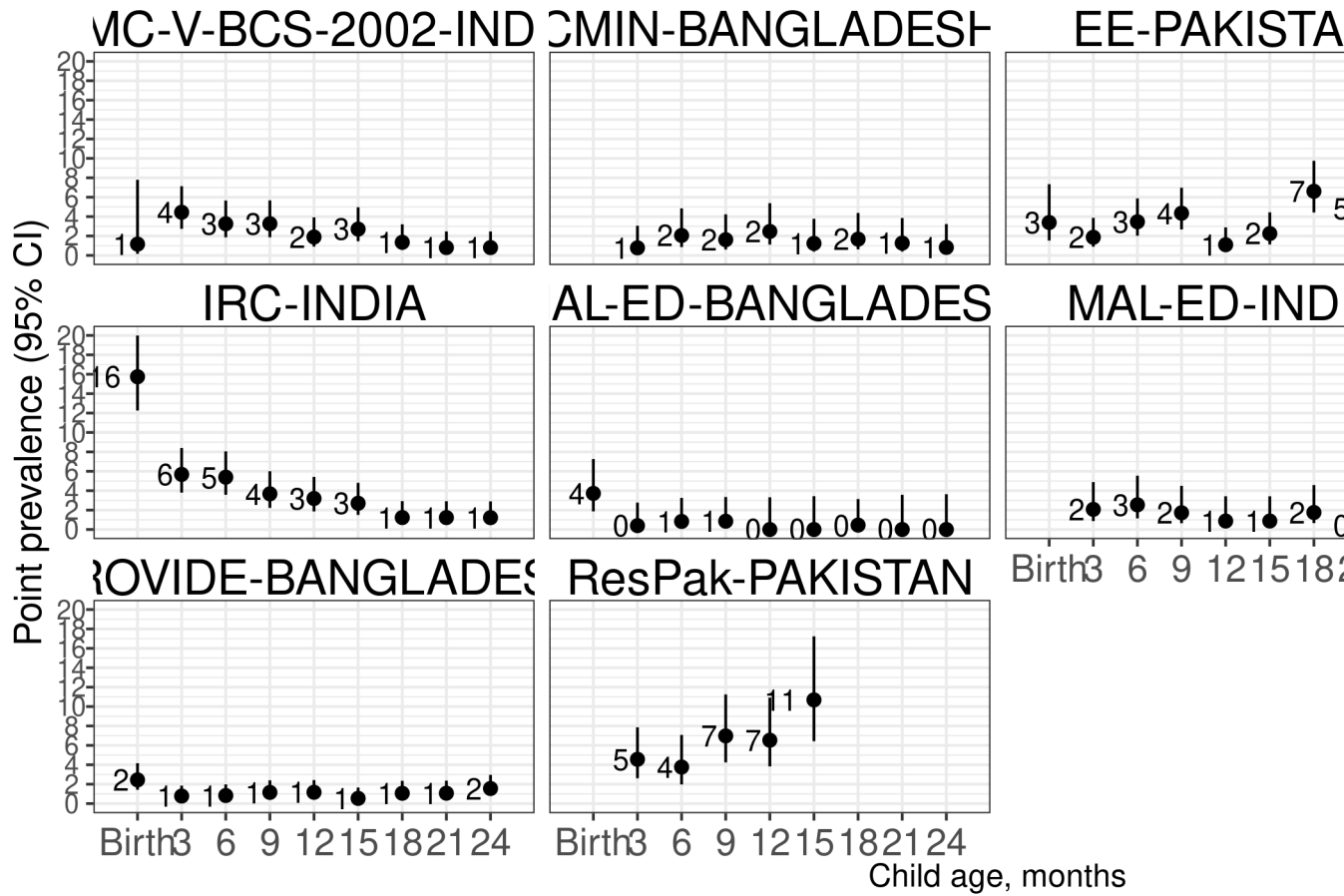
3.1 Age-specific prevalence



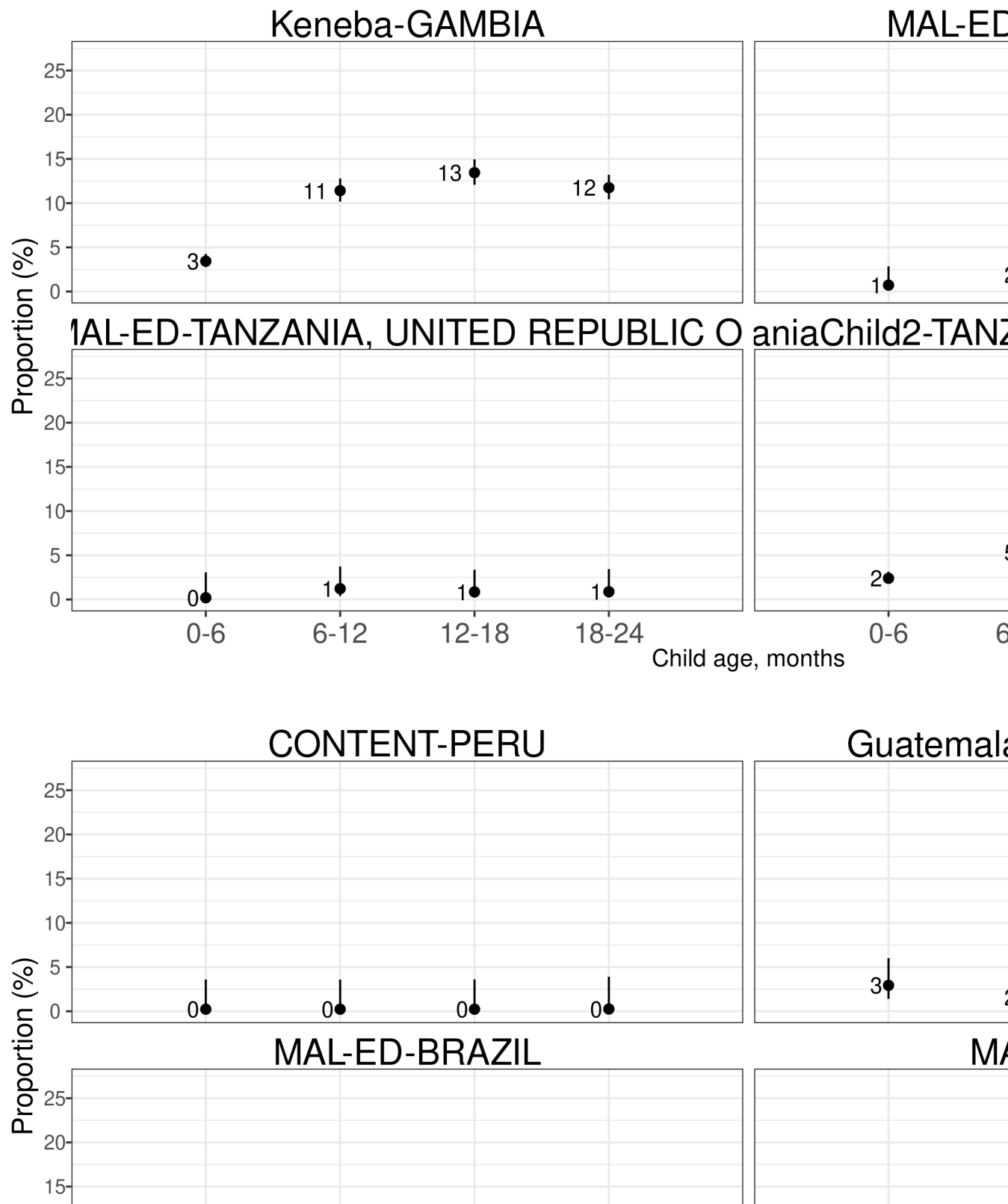


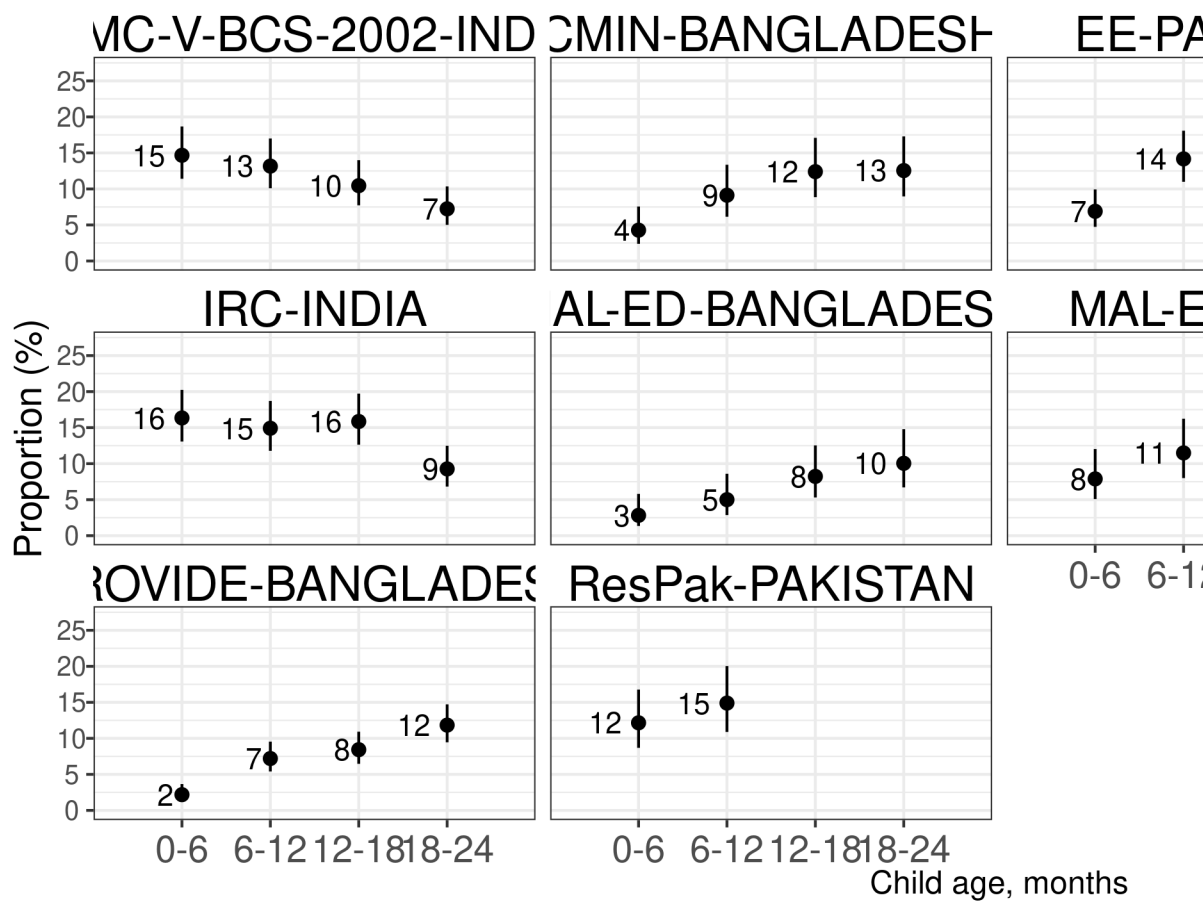
3.2 Age-specific prevalence of severe wasting





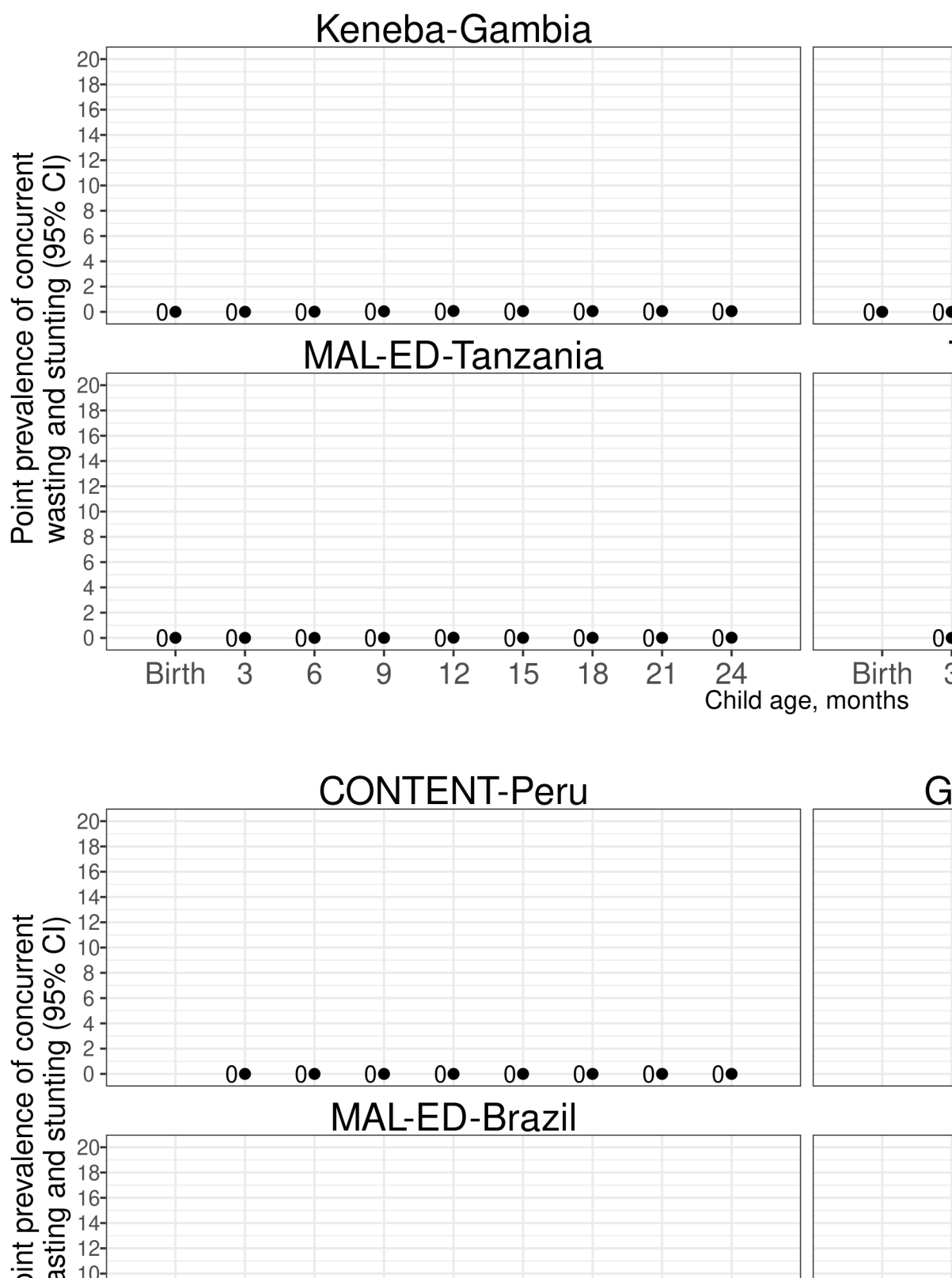
3.3 Age-specific longitudinal prevalence of persistent wasting

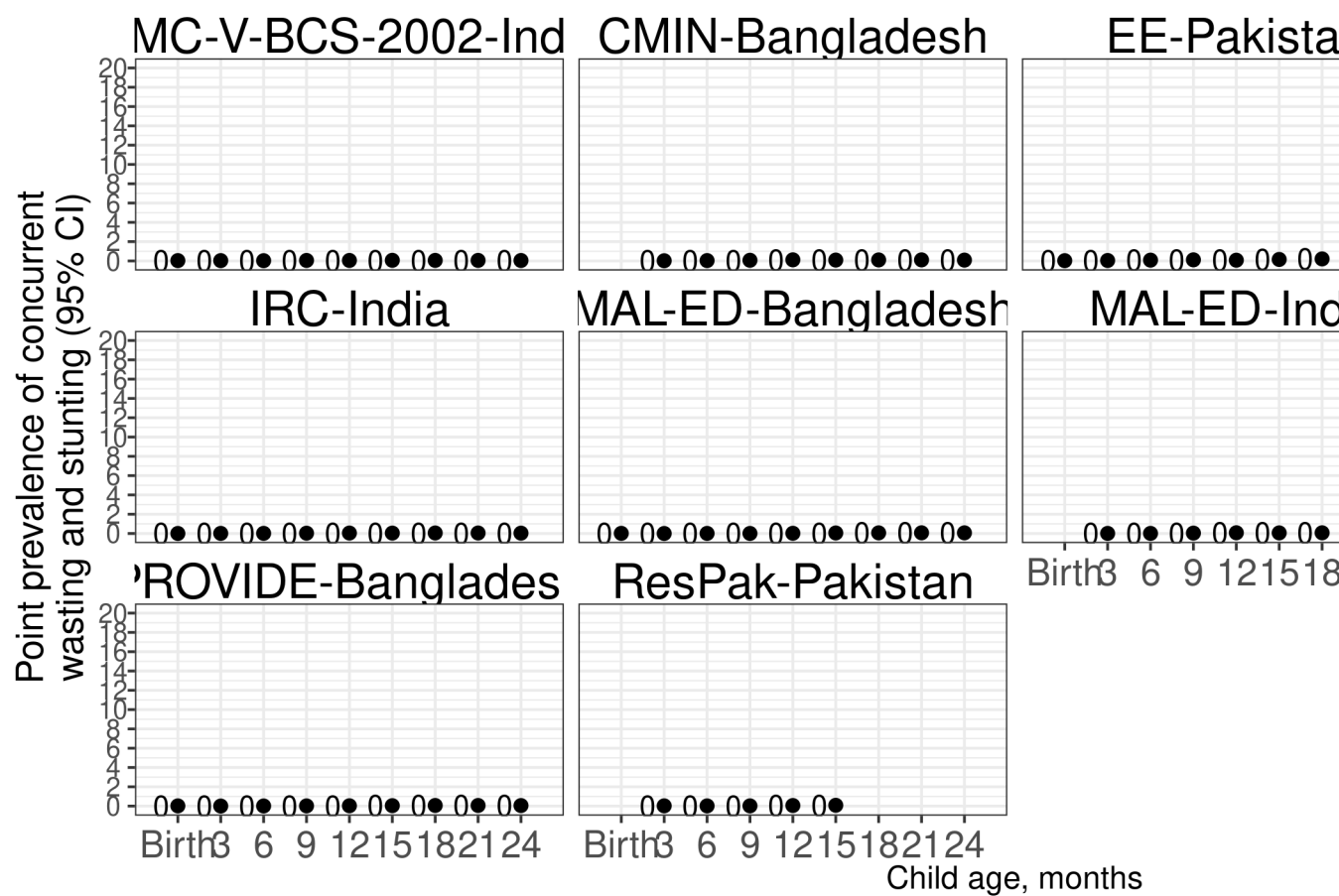




3.3. AGE-SPECIFIC LONGITUDINAL PREVALENCE OF PERSISTENT WASTING²⁷

3.4 Age-specific prevalence of concurrent wasting and stunting





3.5 Age-specific prevalence of underweight
(weight-for-age Z-score < -2)

