Unadjusted Effects of Risk Factors on Binary Stunting Outcomes

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Point prevalence of stunting 1

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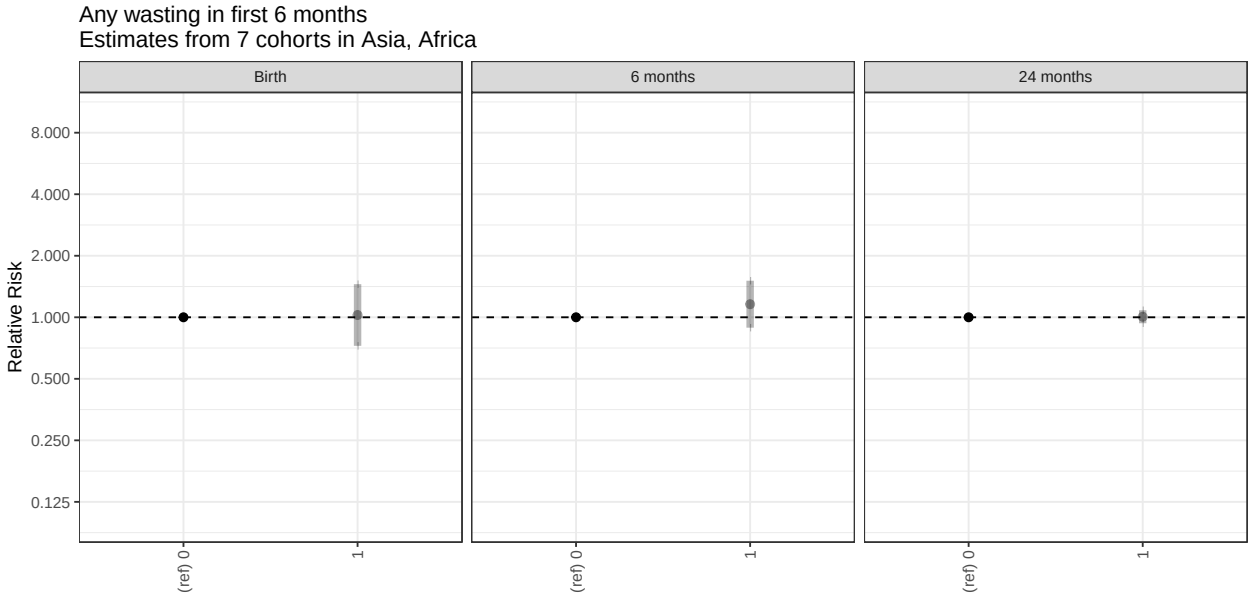
Point prevalence of stunting 89

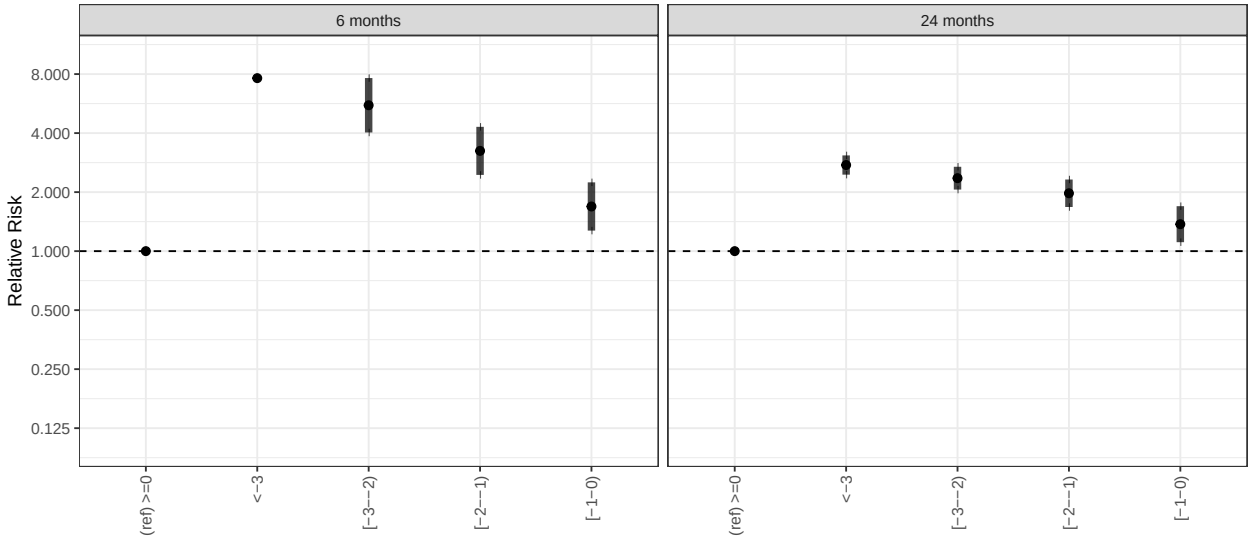
Relative risk pooled across cohorts

Point prevalence of stunting

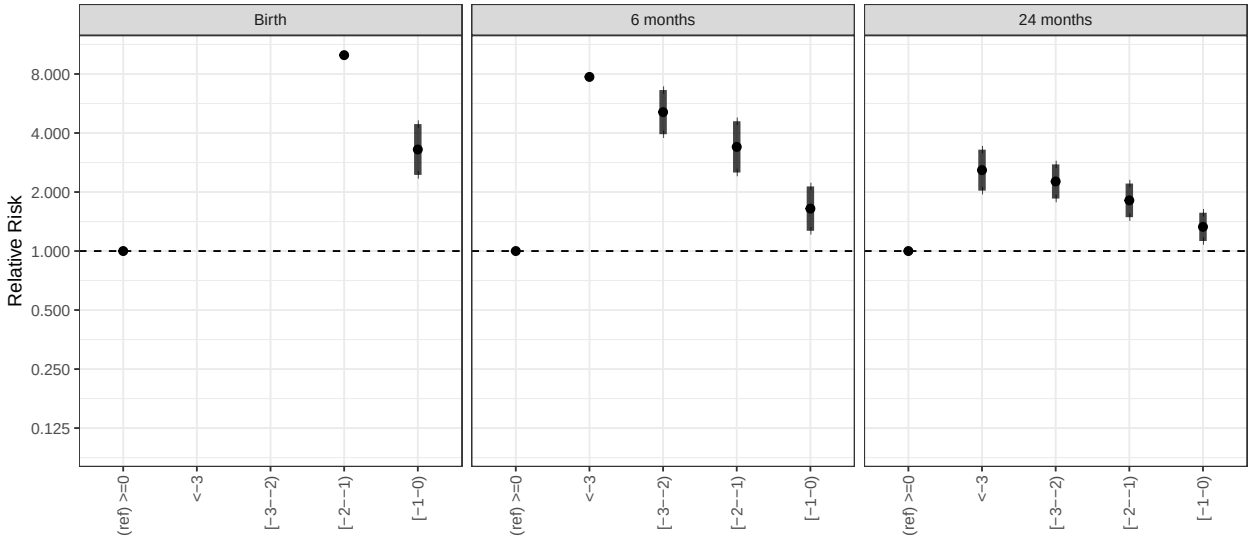
Child characteristics



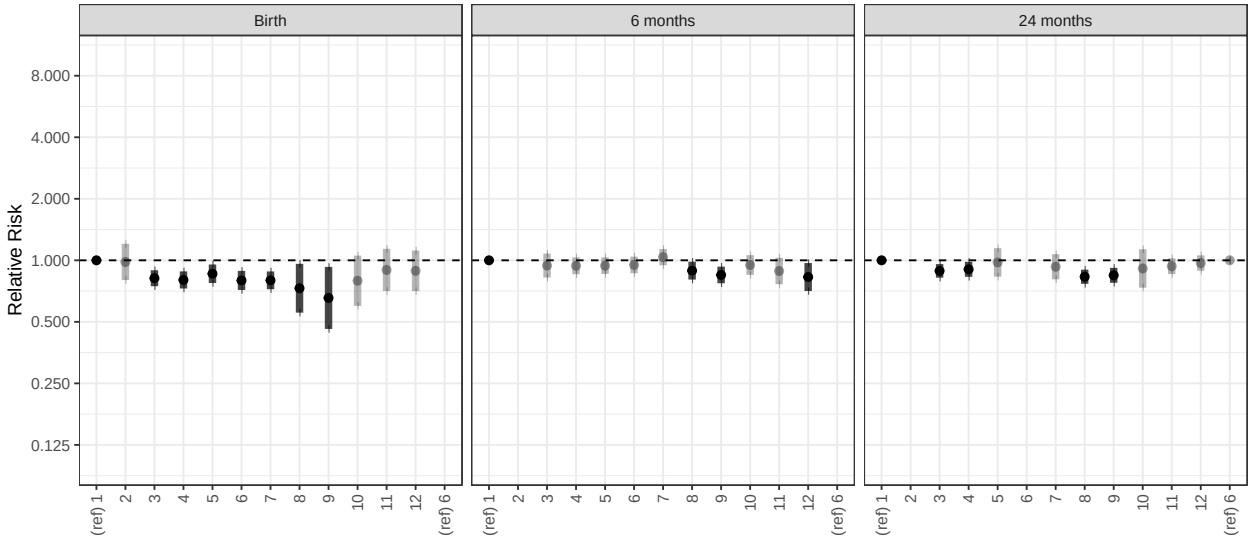
Birth length
Estimates from 7 cohorts in Asia, Africa



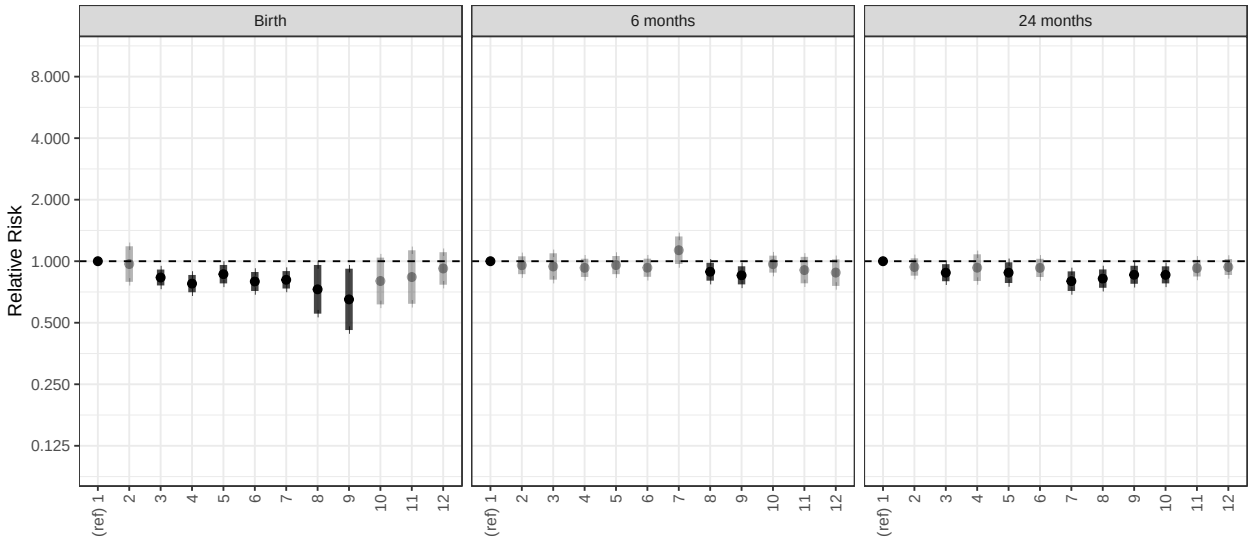
Birthweight
Estimates from 2 cohorts in Asia, Africa



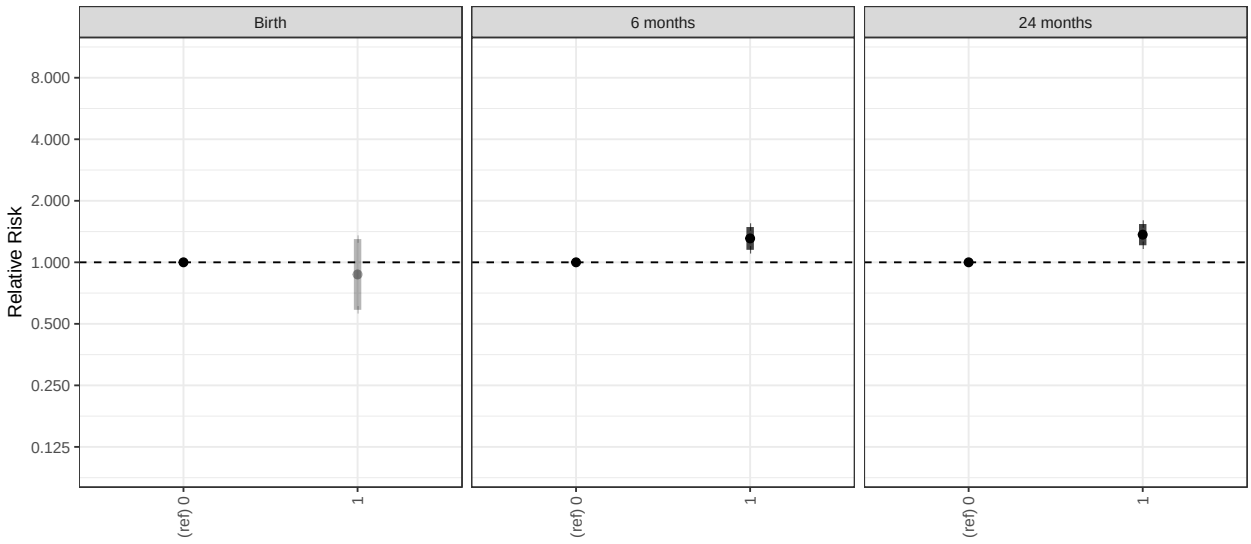
Calendar month of birth
Estimates from 10 cohorts in Asia, Africa, Europe



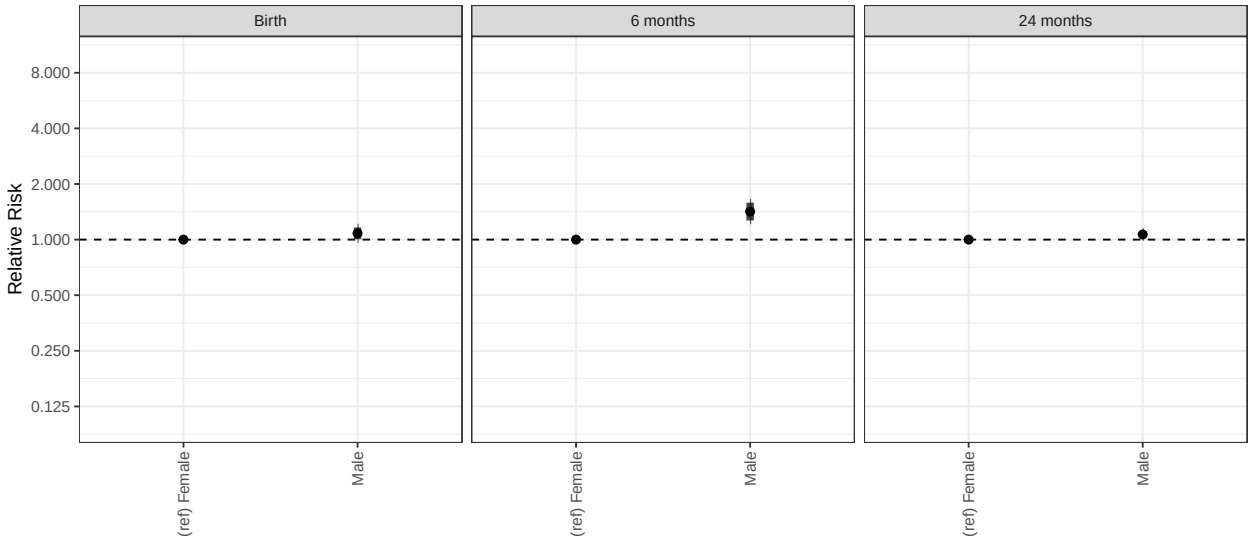
Calendar month of measurement
Estimates from 11 cohorts in Asia, Africa, Europe



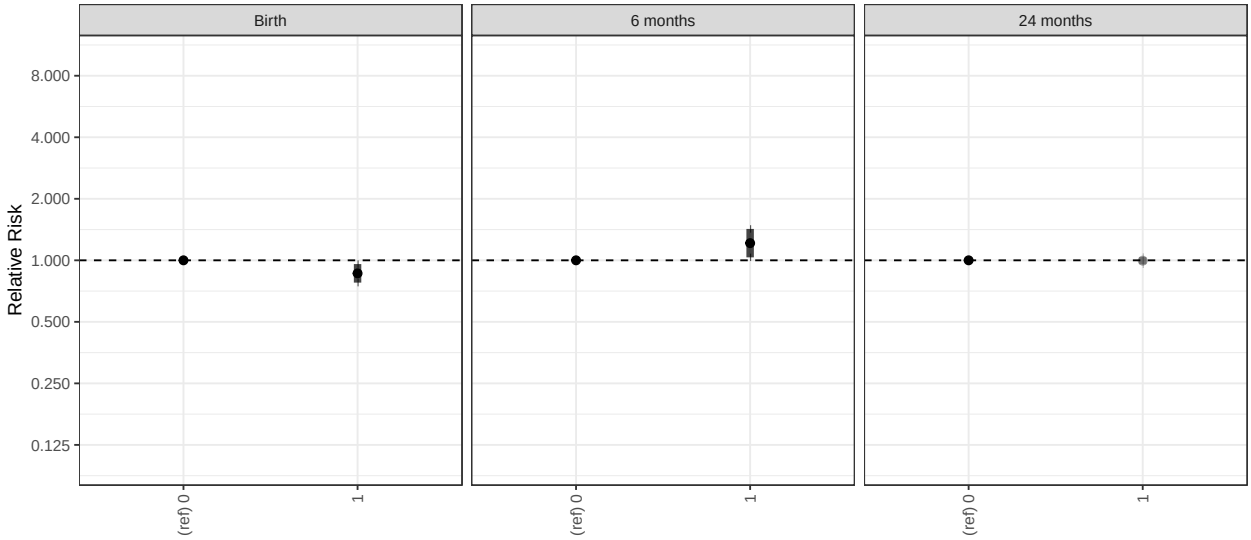
Child delivered at home
Estimates from 4 cohorts in Asia



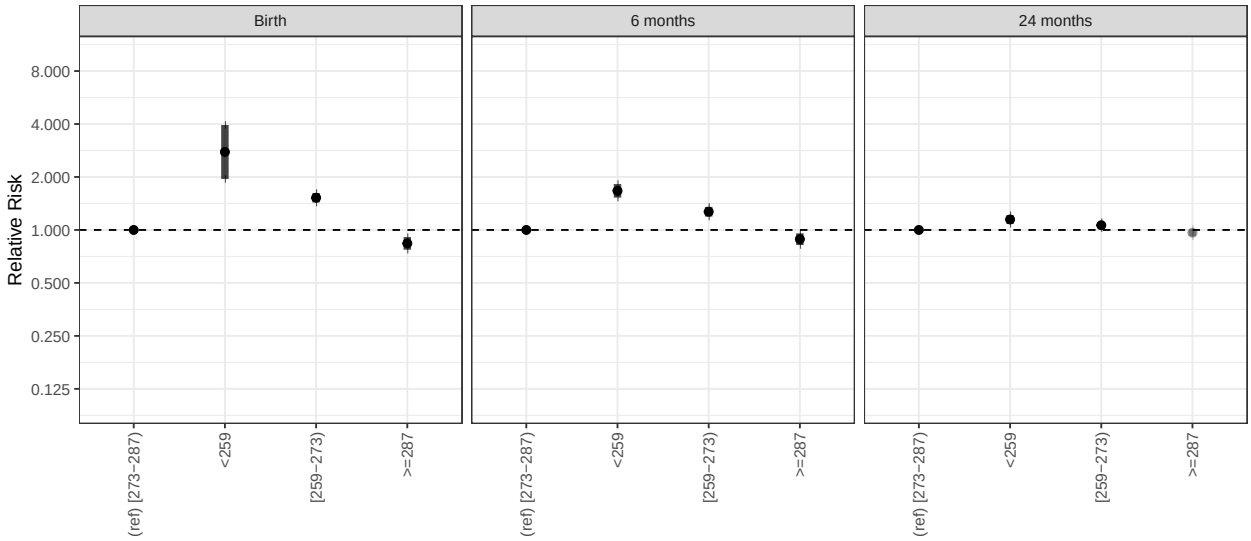
Child's sex
Estimates from 18 cohorts in Asia, Latin America, Africa, Europe



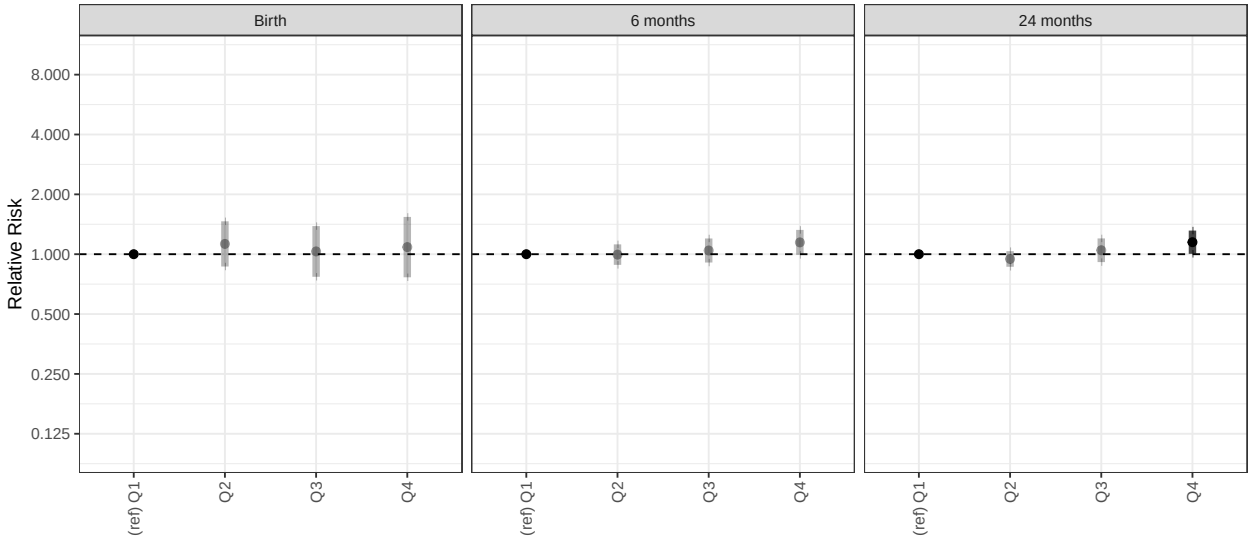
Enrolled wasted
Estimates from 16 cohorts in Latin America, Asia, Africa, Europe



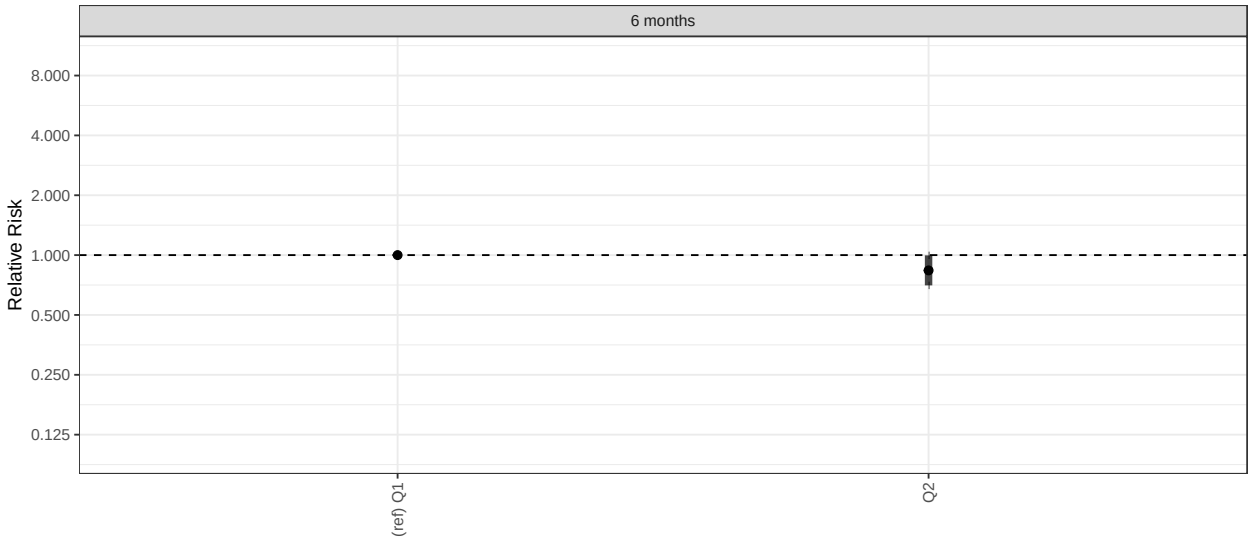
Gestational age at birth in days
Estimates from 9 cohorts in Asia, Latin America, Africa, Europe



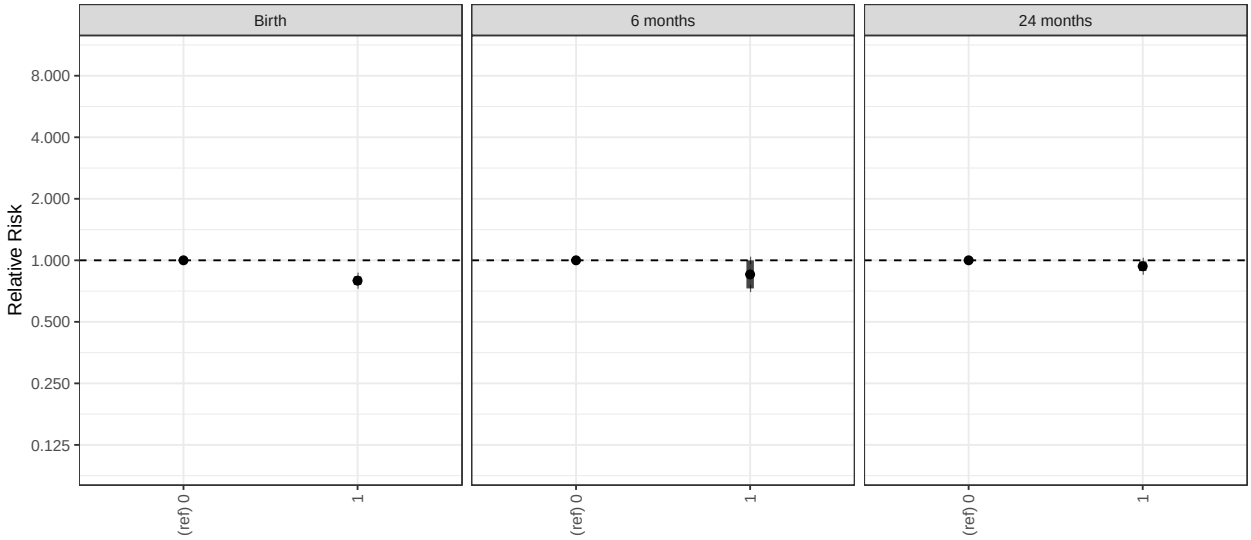
Percent diarrhea in first 24 months
Estimates from 8 cohorts in Africa, Latin America, Asia



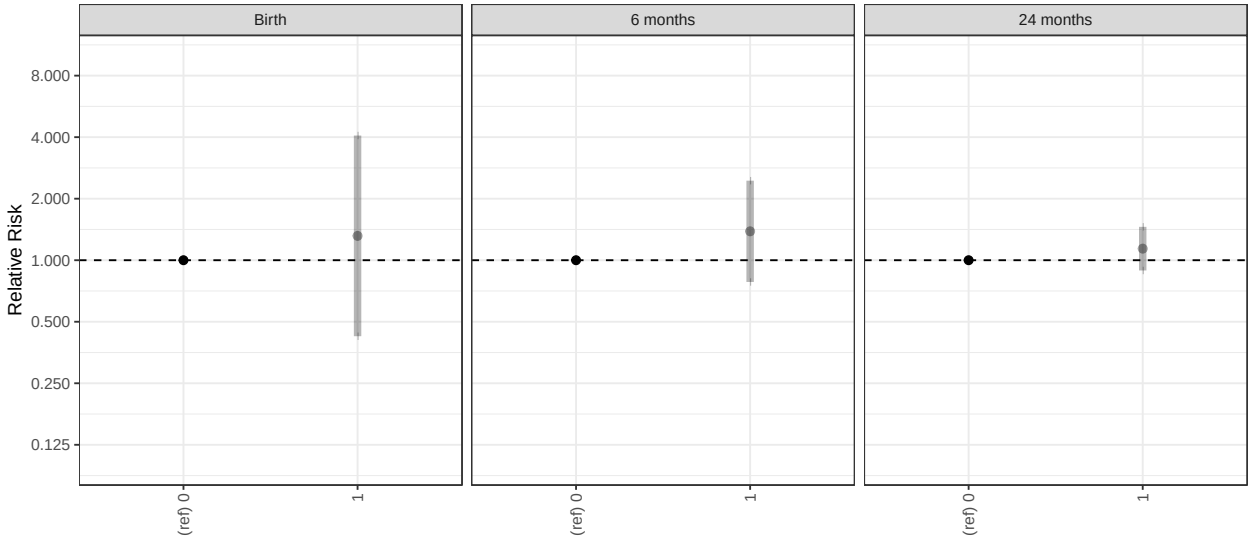
Percent diarrhea in first 6 months
Estimates from 1 cohorts in Asia



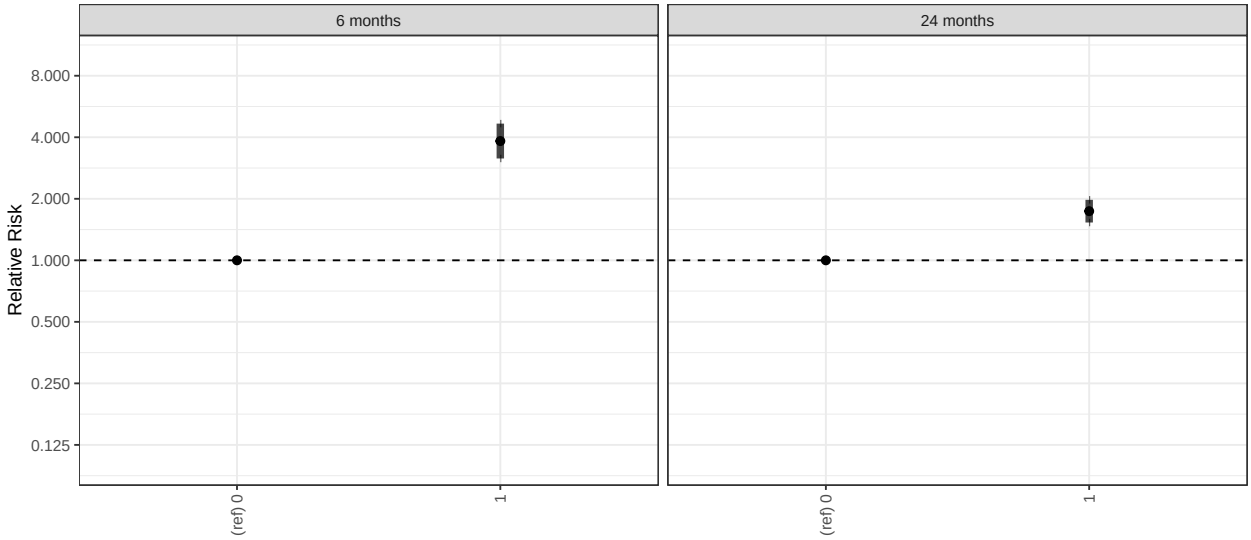
Percent exclusive breastfeeding
Estimates from 11 cohorts in Asia, Africa, Latin America



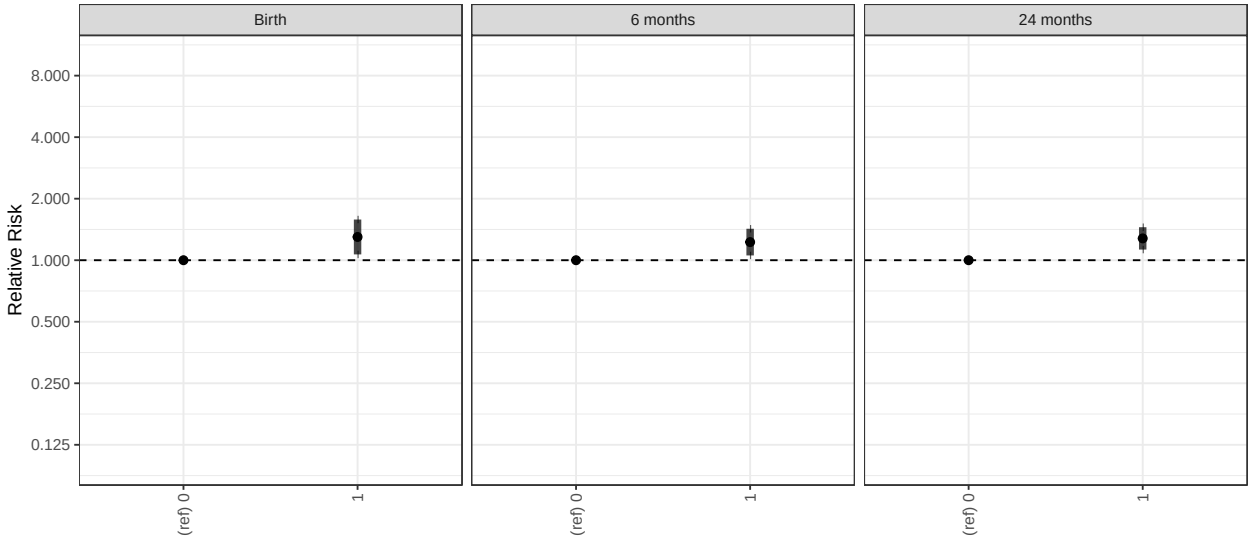
Persistent wasting in first 6 months
Estimates from 2 cohorts in Asia



Stunted at enrollment
Estimates from 20 cohorts in Asia, Africa, Latin America, Europe

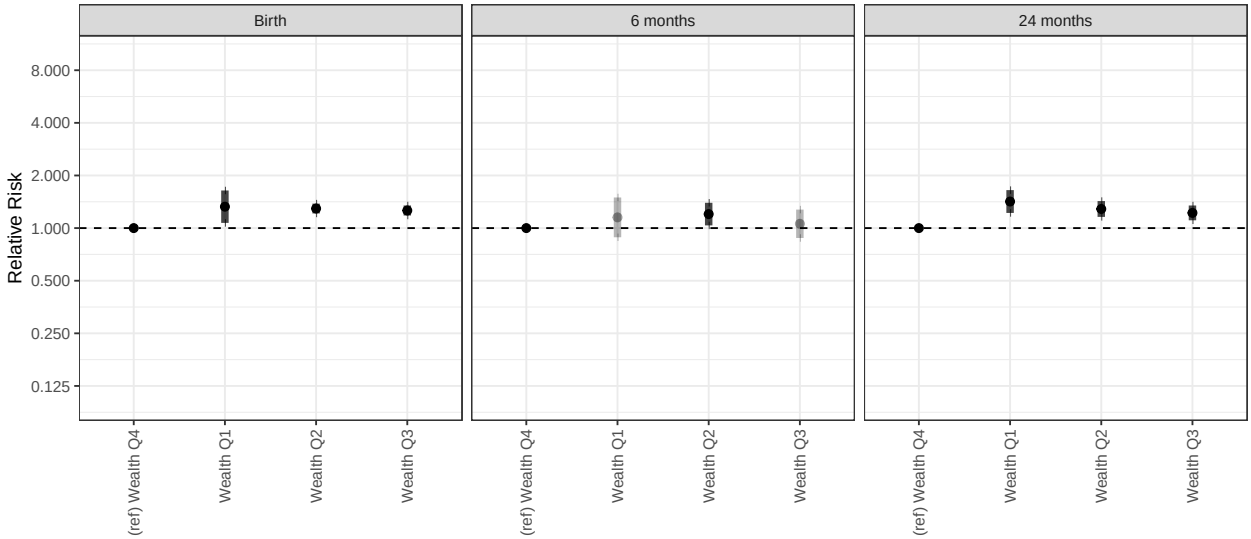


Vaginal delivery
Estimates from 9 cohorts in Asia, Europe, Africa

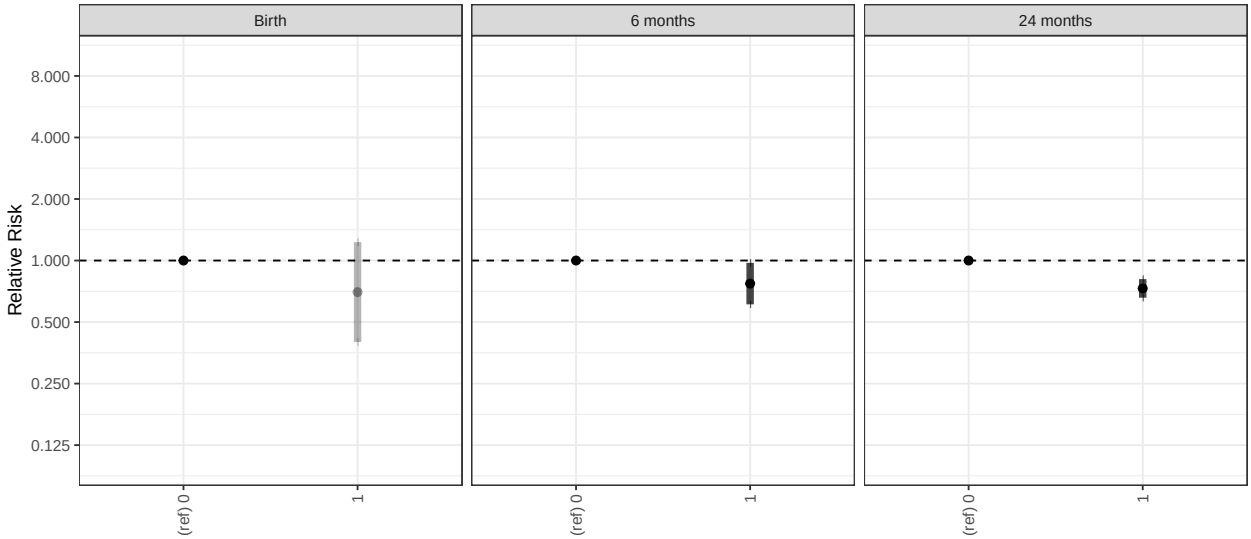


Household characteristics

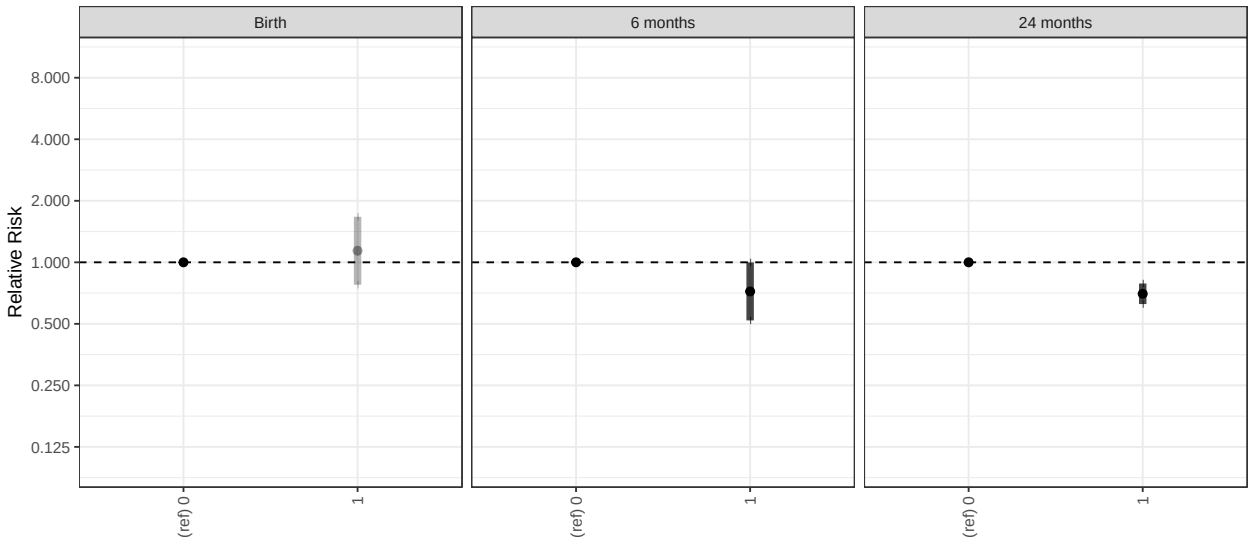
Asset based wealth index
Estimates from 10 cohorts in Asia, Latin America, Africa



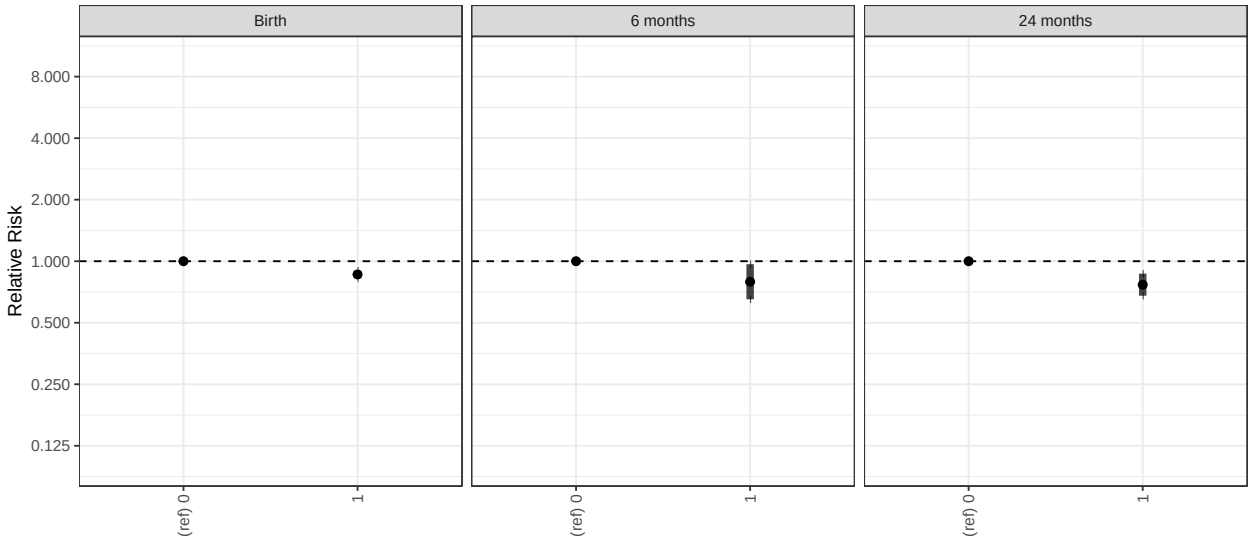
Clean cook
Estimates from 4 cohorts in Asia



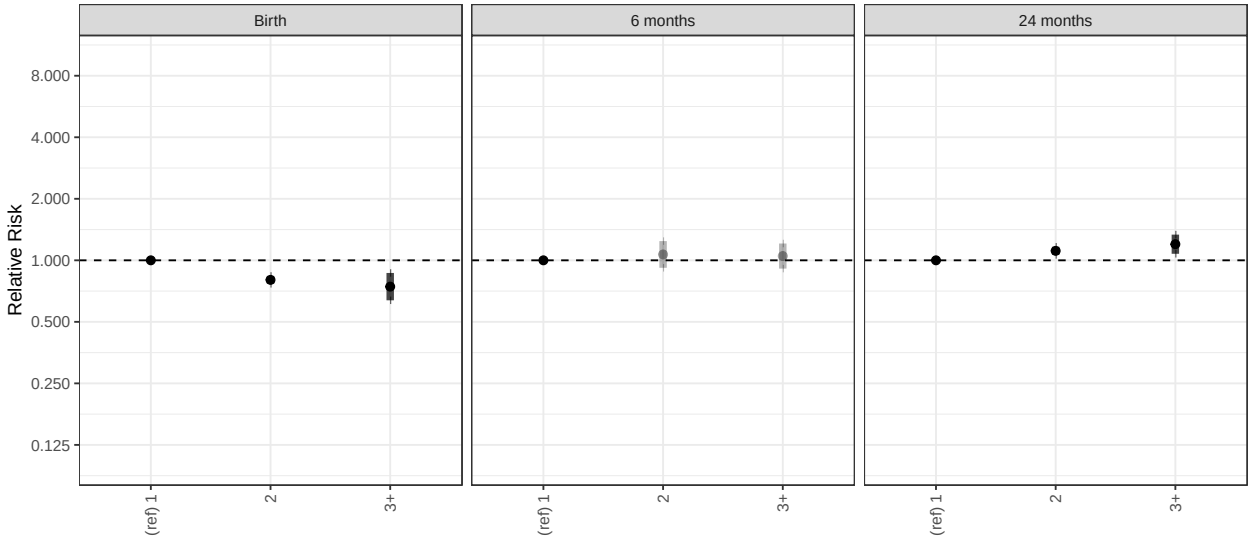
Improved floor
Estimates from 8 cohorts in Asia, Latin America



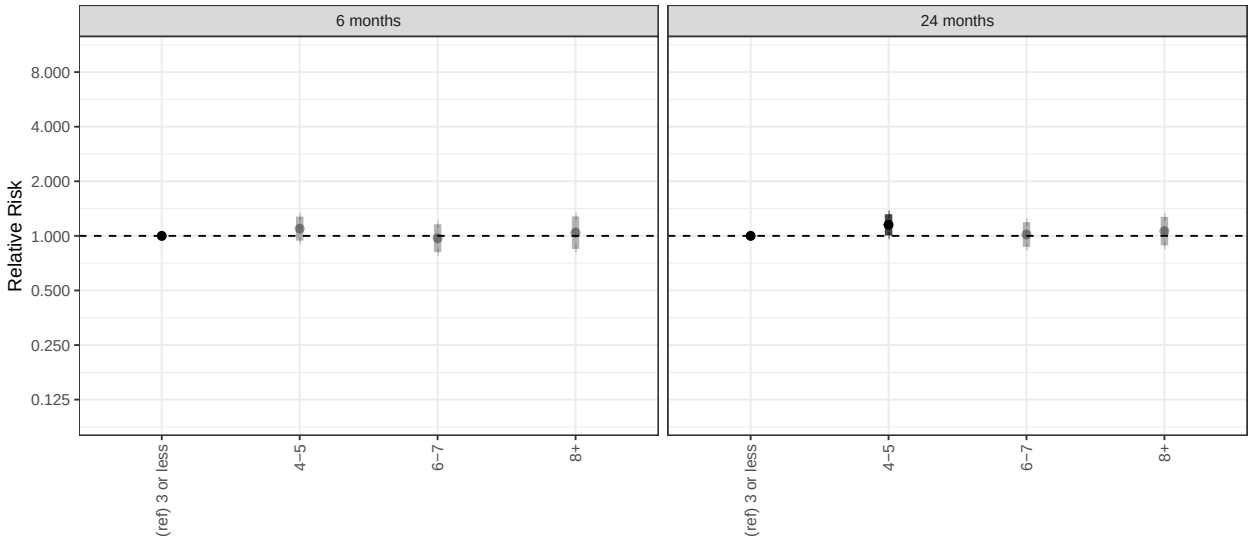
Improved sanitation
Estimates from 11 cohorts in Latin America, Asia



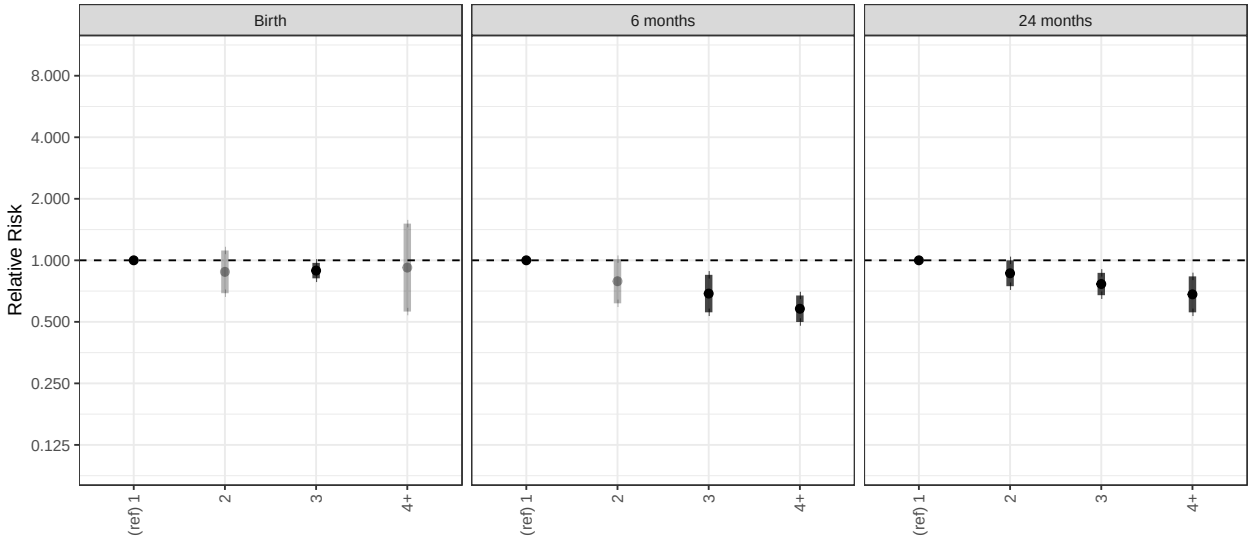
Number of children in the household under 5 years
Estimates from 2 cohorts in Asia



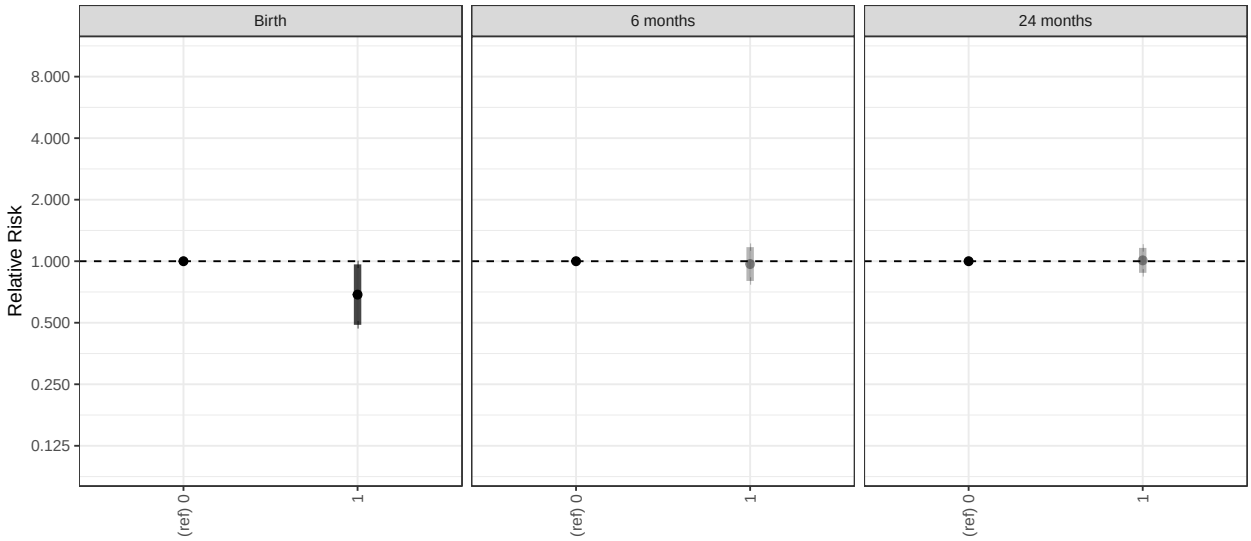
Number of people in the household
Estimates from 6 cohorts in Asia, Africa



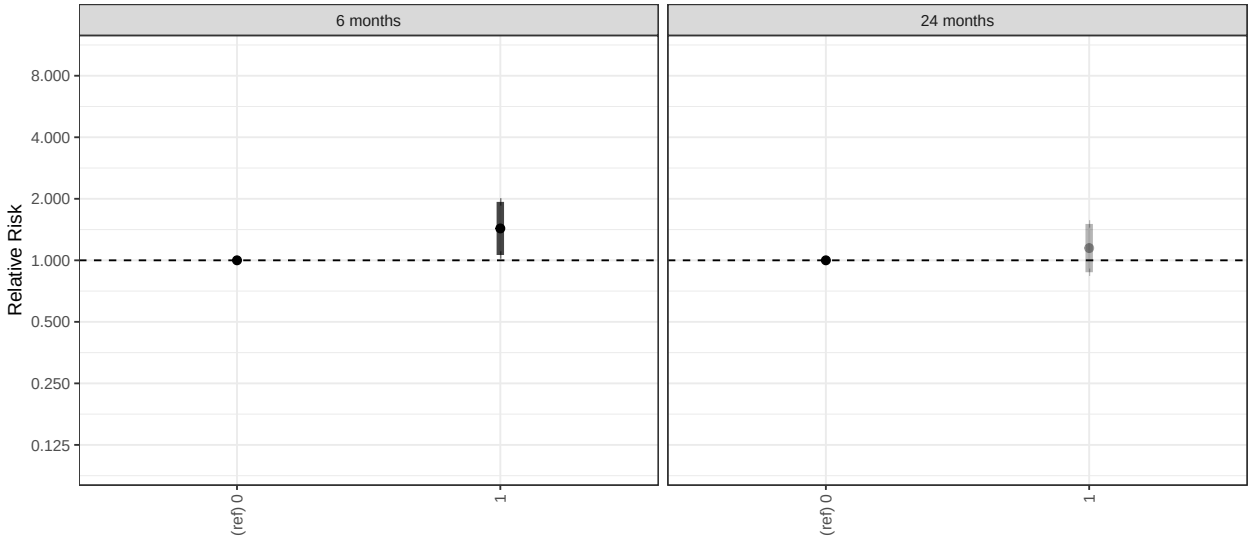
Number of rooms in household
Estimates from 12 cohorts in Asia, Latin America, Africa



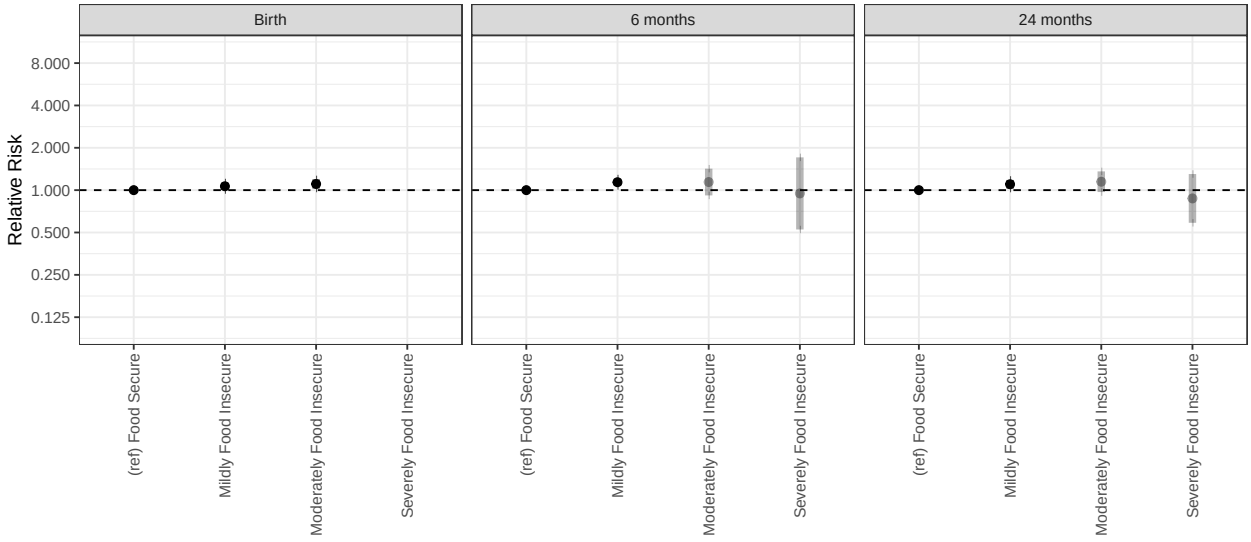
Safe water
Estimates from 2 cohorts in Asia, Africa



Treats water
Estimates from 1 cohorts in Asia

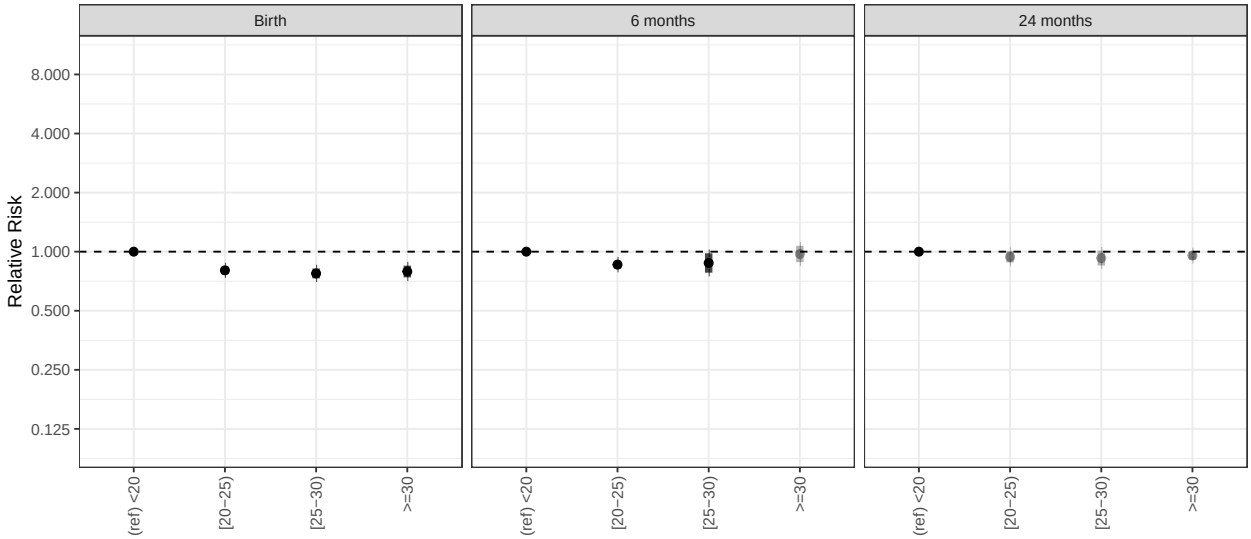


USAID Household Food Insecurity Access Scale (HFIAS) category
Estimates from 5 cohorts in Asia, Latin America

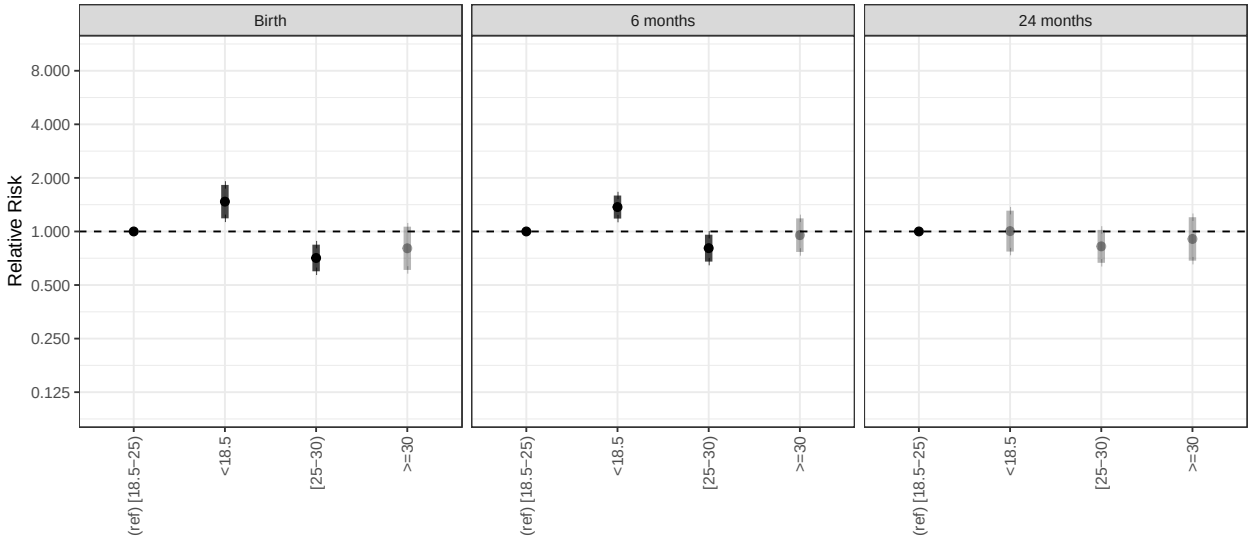


Maternal characteristics

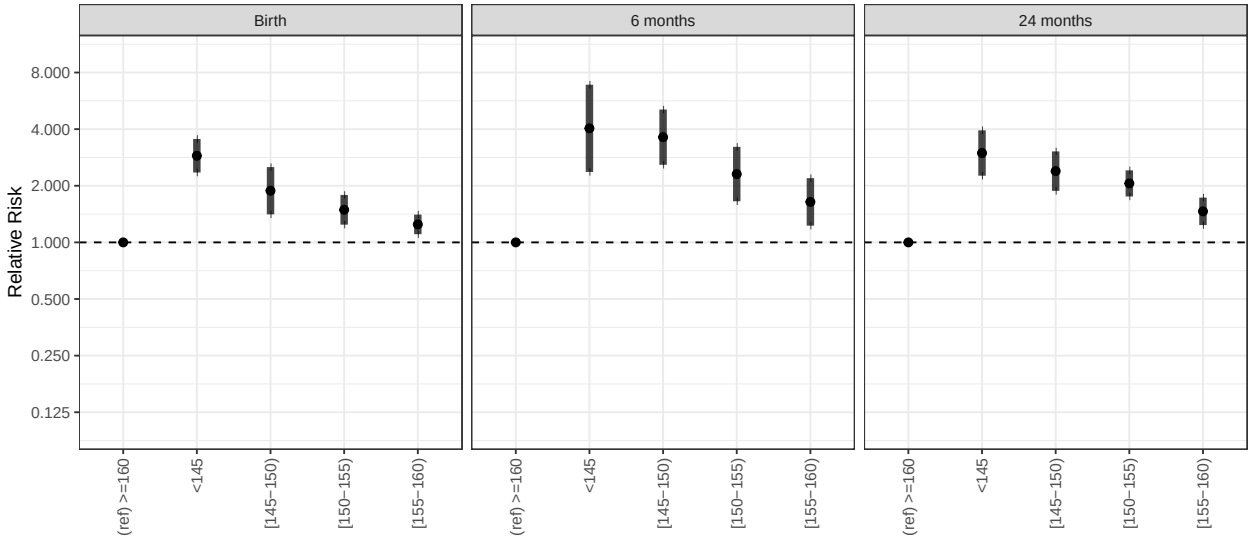
Maternal age
Estimates from 21 cohorts in Asia, Latin America, Africa, Europe



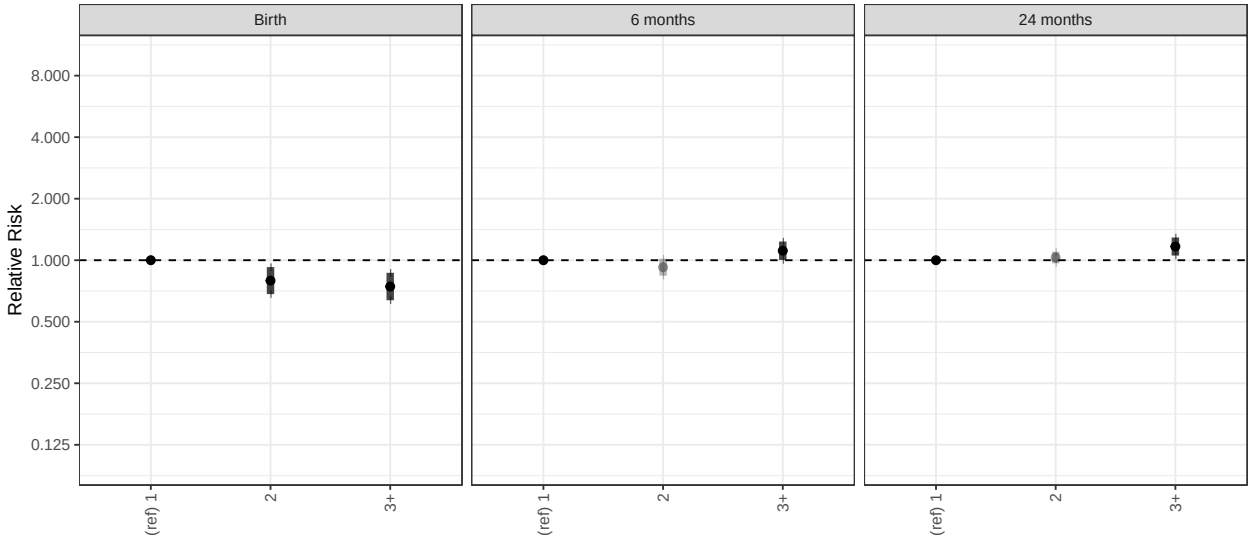
Maternal BMI
Estimates from 3 cohorts in Asia, Europe, Africa



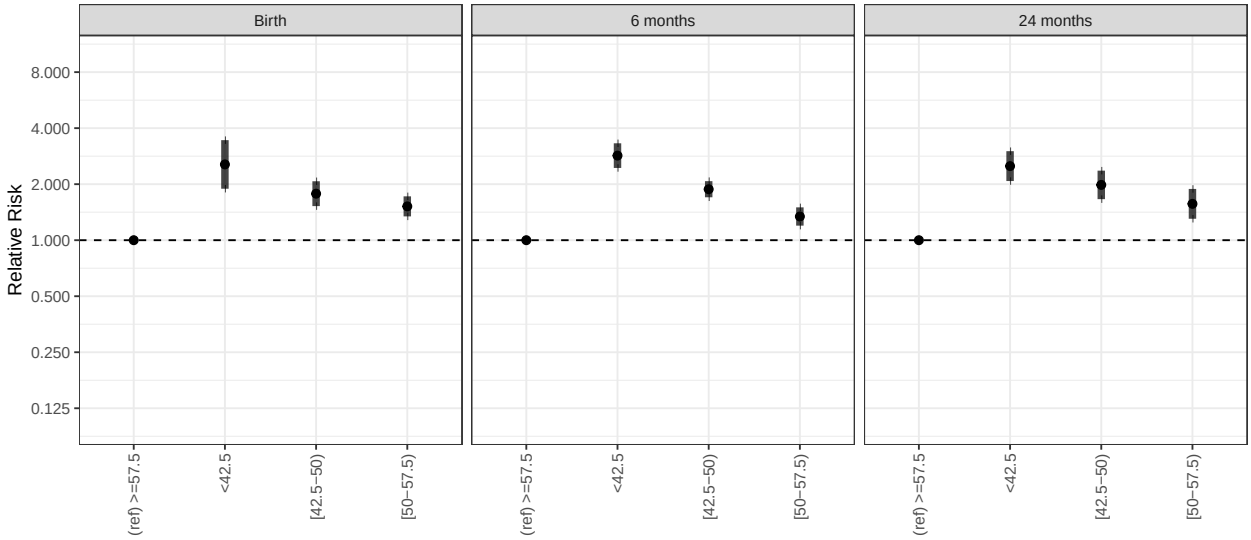
Maternal height
Estimates from 5 cohorts in Latin America, Asia



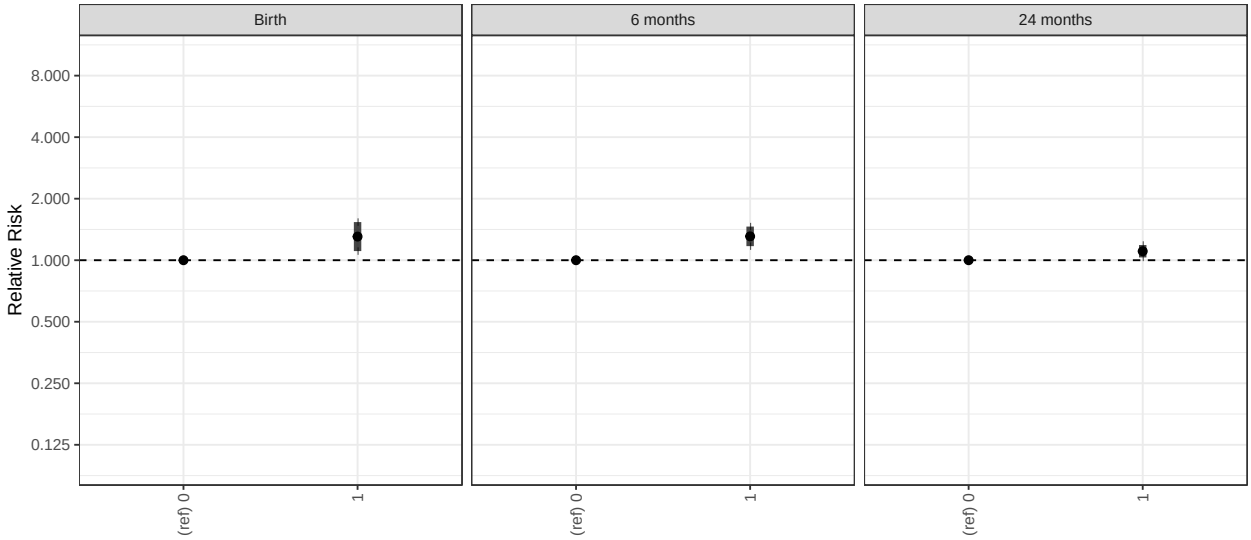
Maternal parity
Estimates from 7 cohorts in Latin America, Asia, Africa

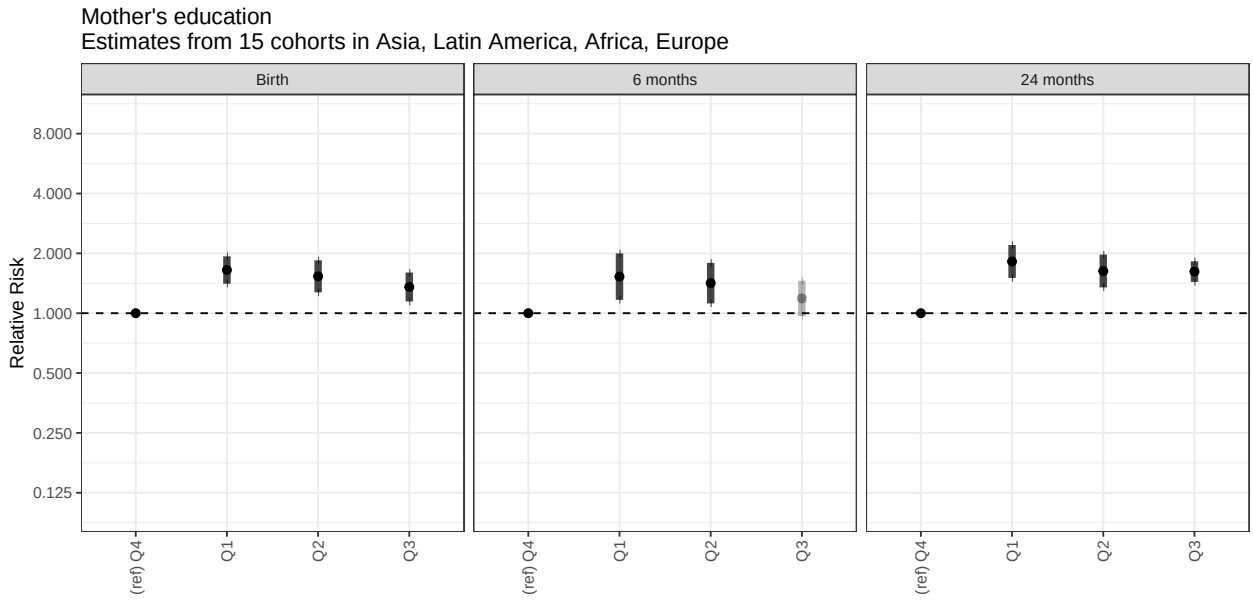


Maternal weight
Estimates from 9 cohorts in Africa, Asia, Latin America, Europe

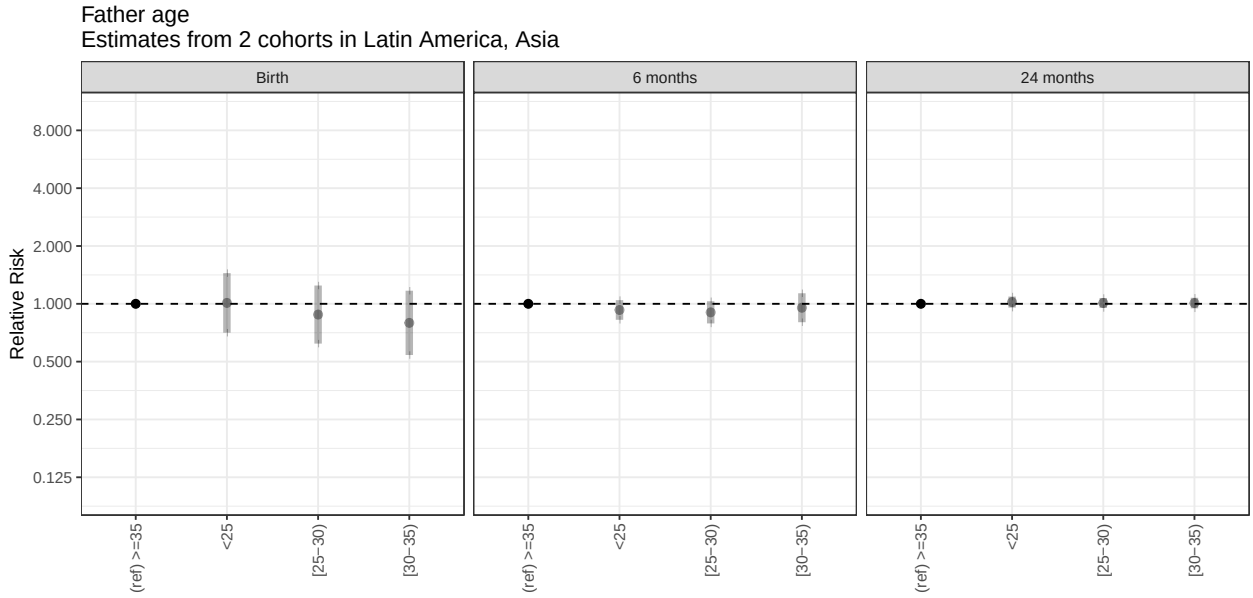


Mother is unmarried
Estimates from 6 cohorts in Latin America, Asia, Africa

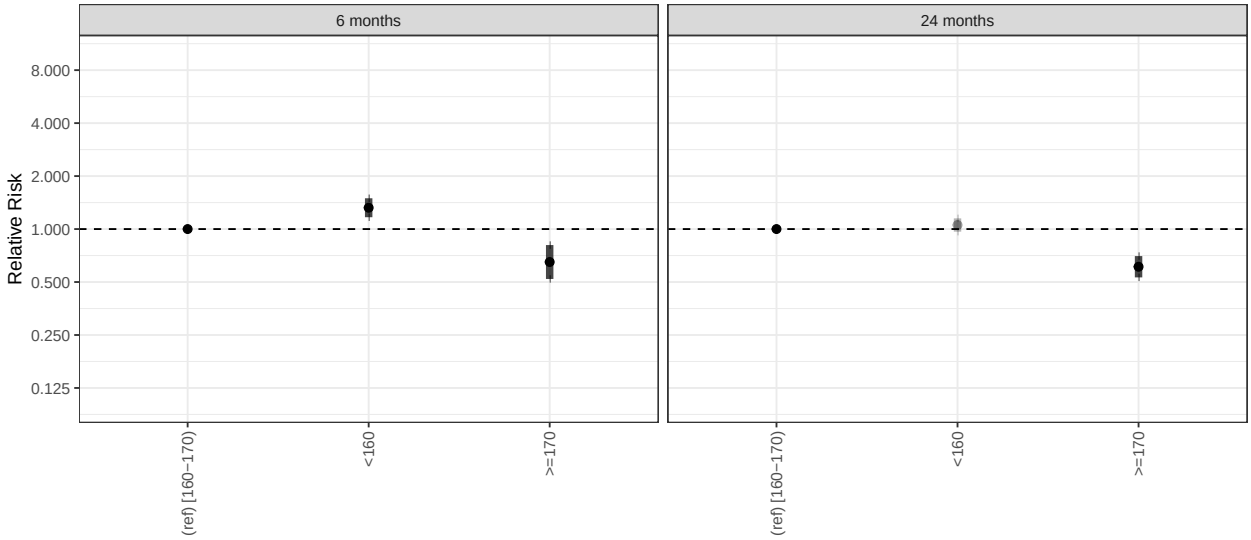




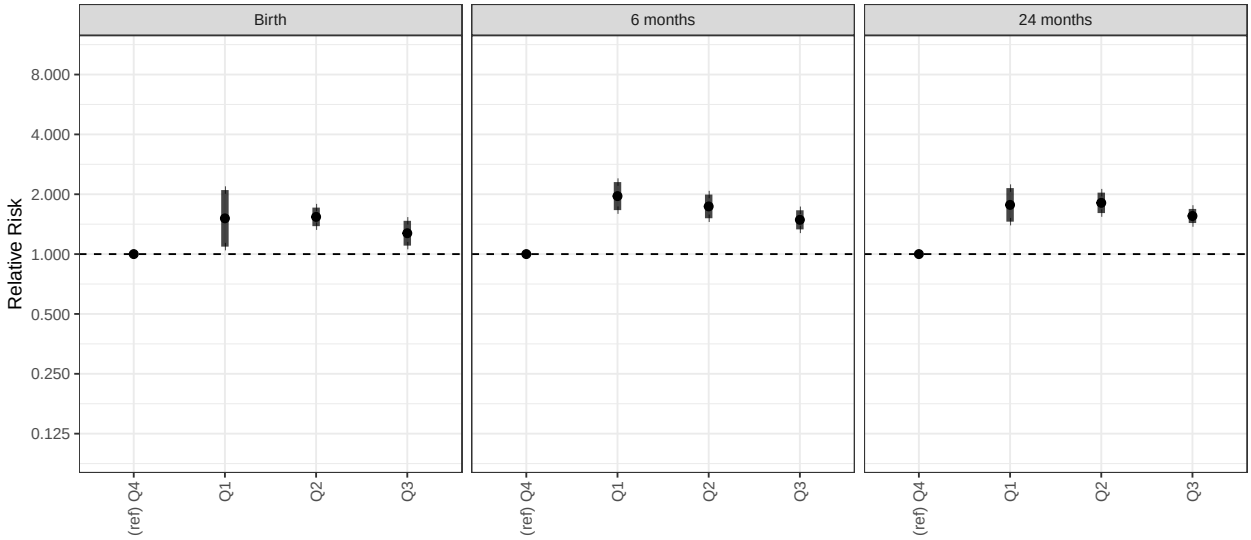
Paternal characteristics



Father height
Estimates from 5 cohorts in Latin America, Africa, Europe, Asia



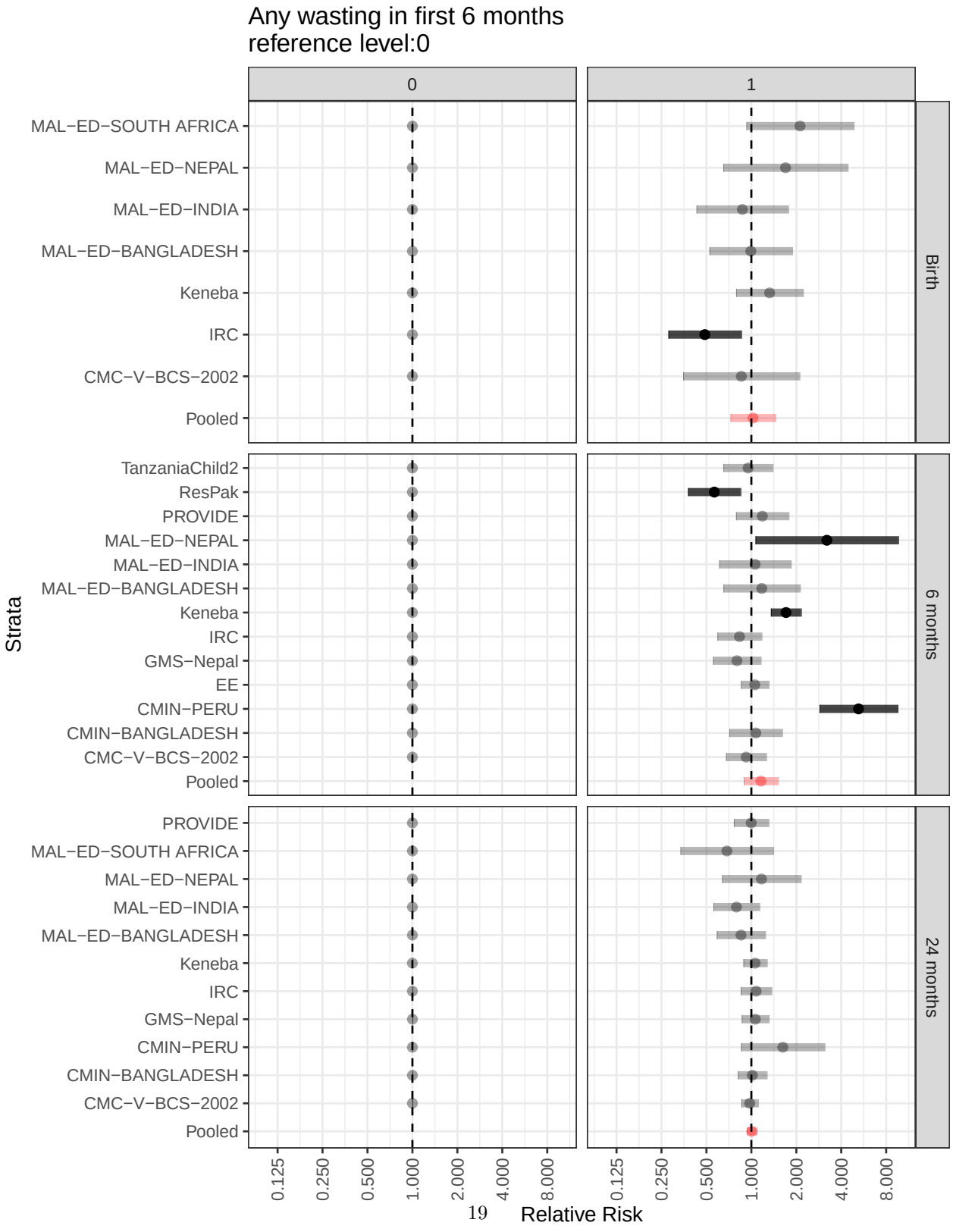
Father's education
Estimates from 4 cohorts in Asia, Africa

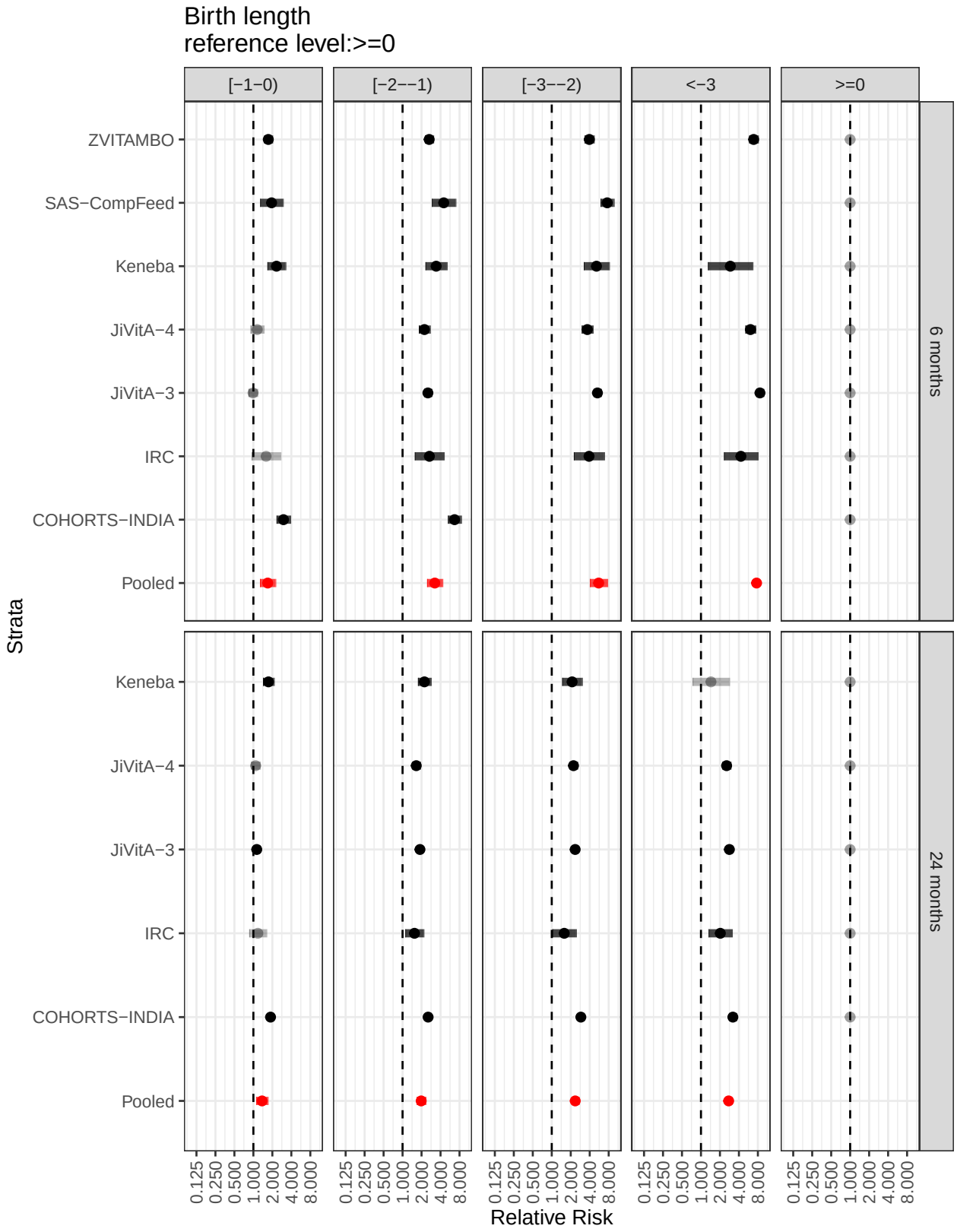


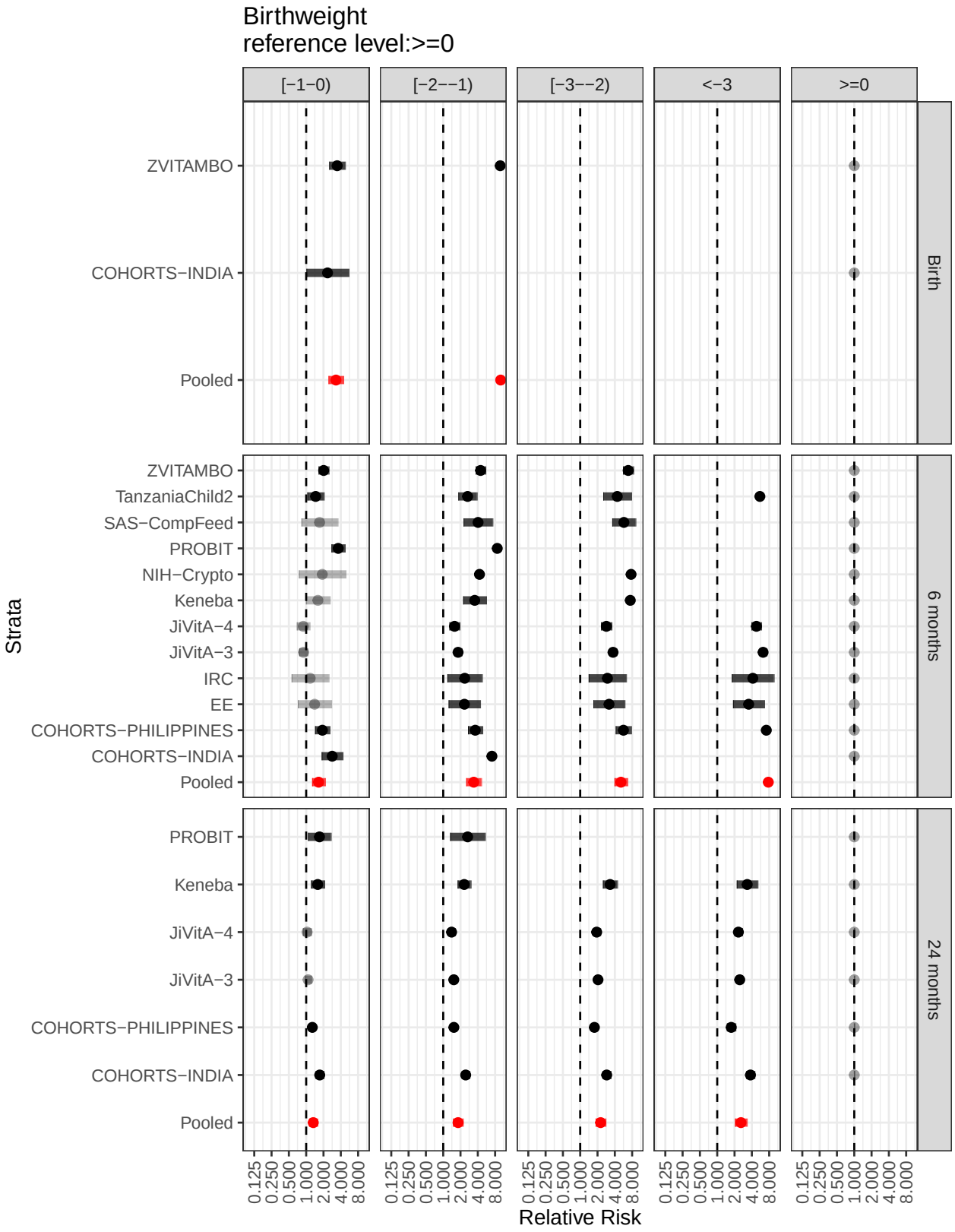
Appendix 1 - Relative risk stratified by cohort

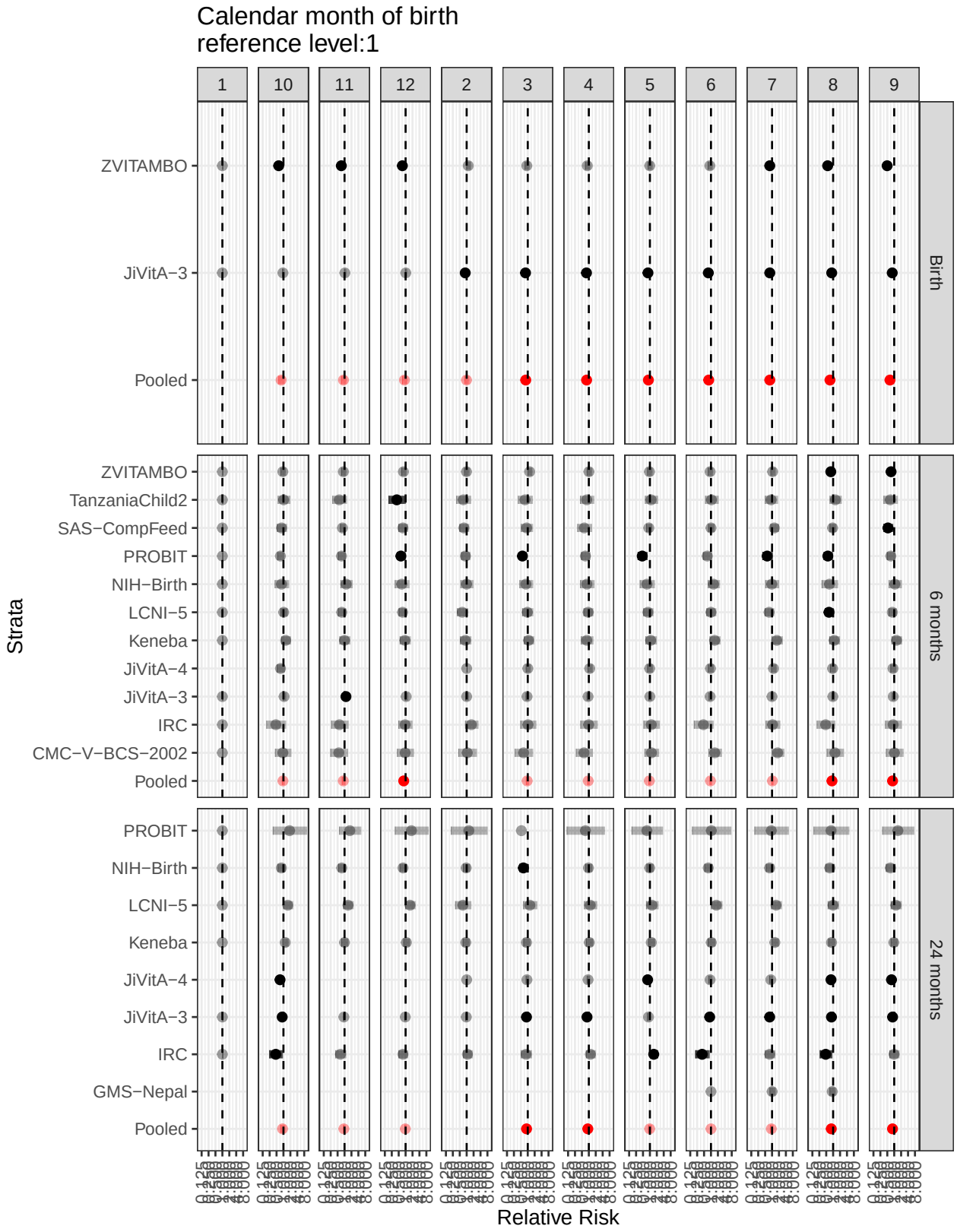
Point prevalence of stunting

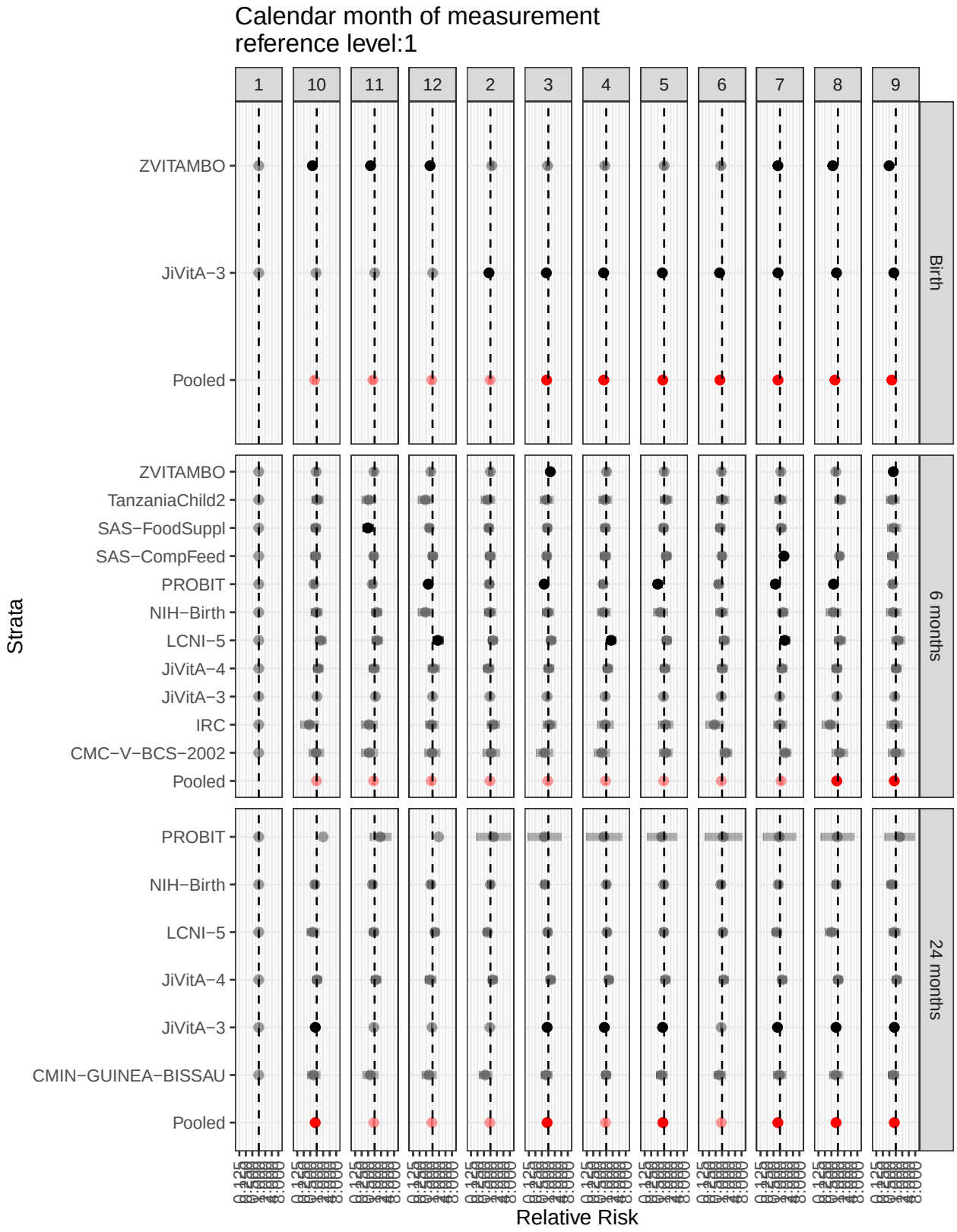
Child characteristics

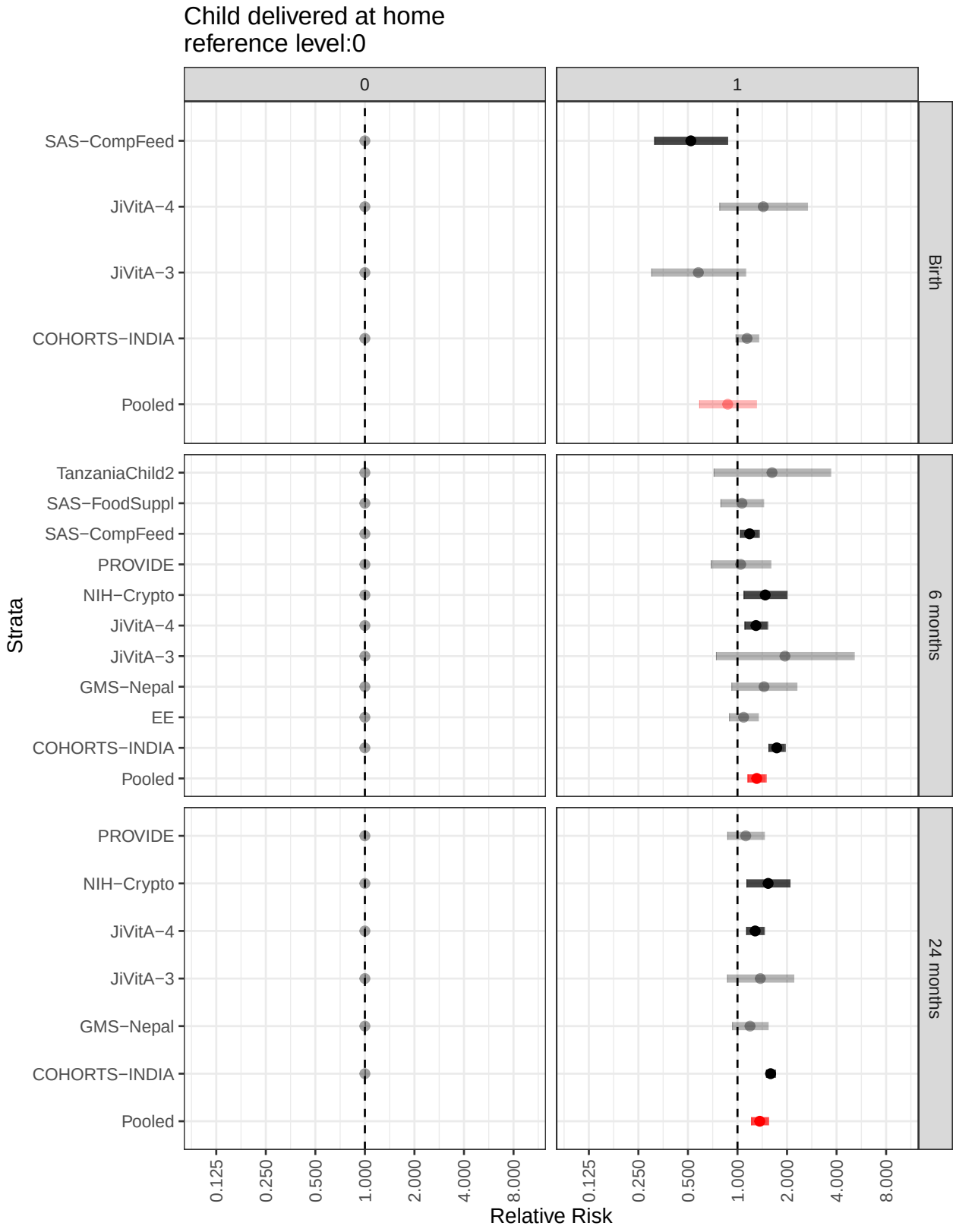


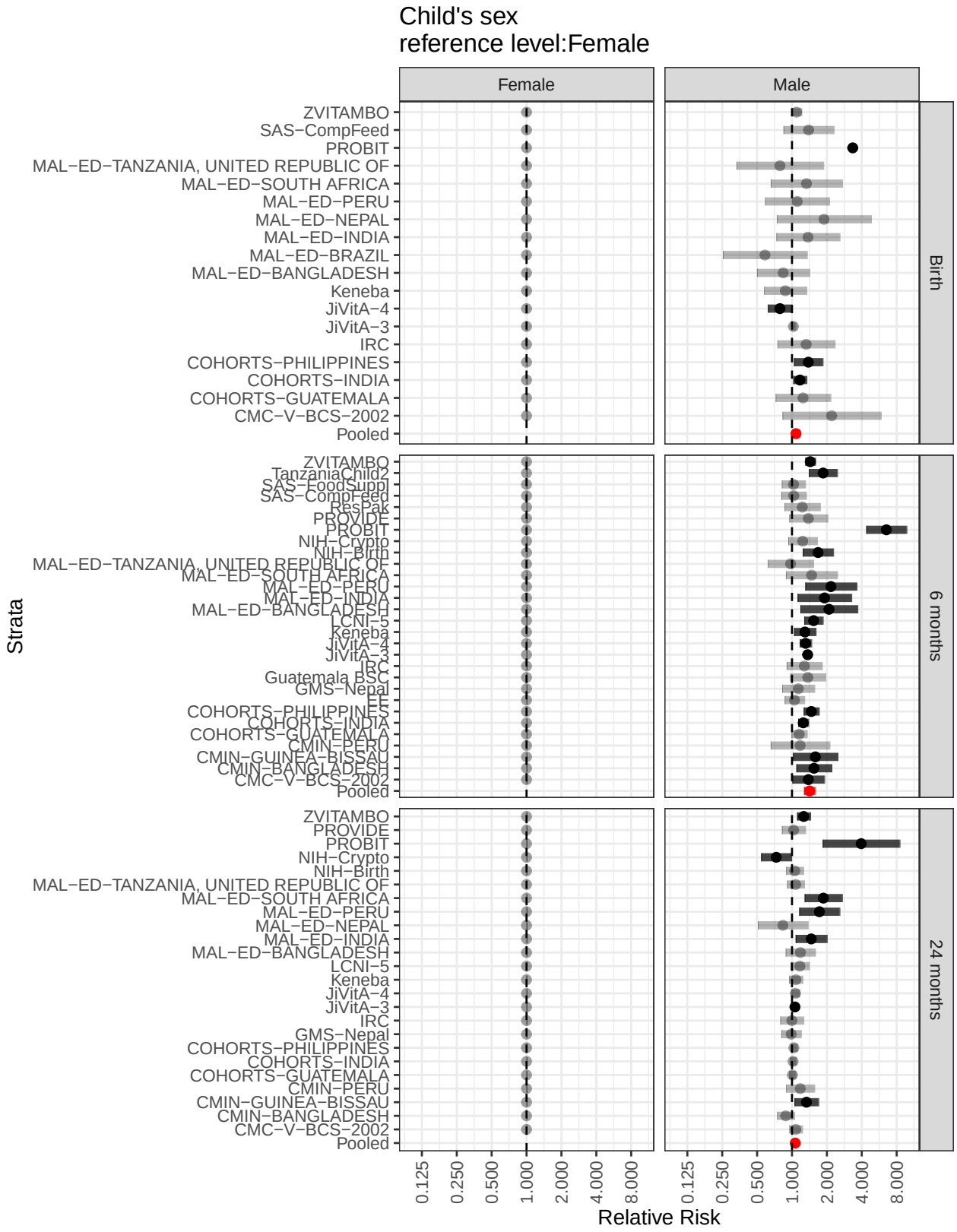

Birth length
reference level:>=0
[−1−0)
[−2−−1)
[−3−−2)
<−3
>=0
ZVITAMBO
SAS−CompFeed
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−INDIA
Pooled
6 months
24 months
Strata
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

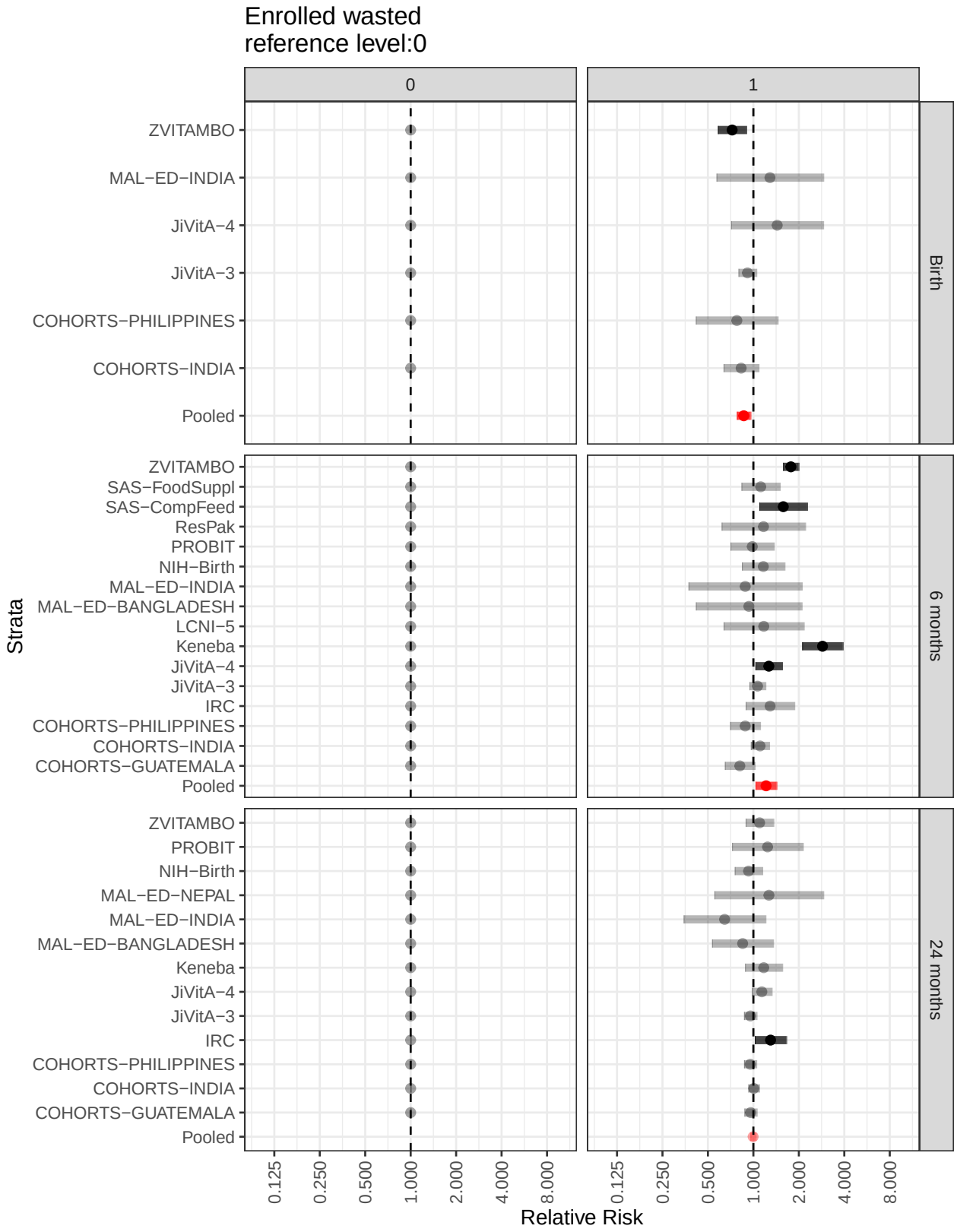

Birthweight
reference level:>=0
[−1−0)
[−2−−1)
[−3−−2)
<−3
>=0
Birth
6 months
24 months
Strata
ZVITAMBO
COHORTS−INDIA
Pooled
TanzaniaChild2
SAS−CompFeed
PROBIT
NIH−Crypto
Keneba
JiVitA−4
JiVitA−3
IRC
EE
COHORTS−PHILIPPINES
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

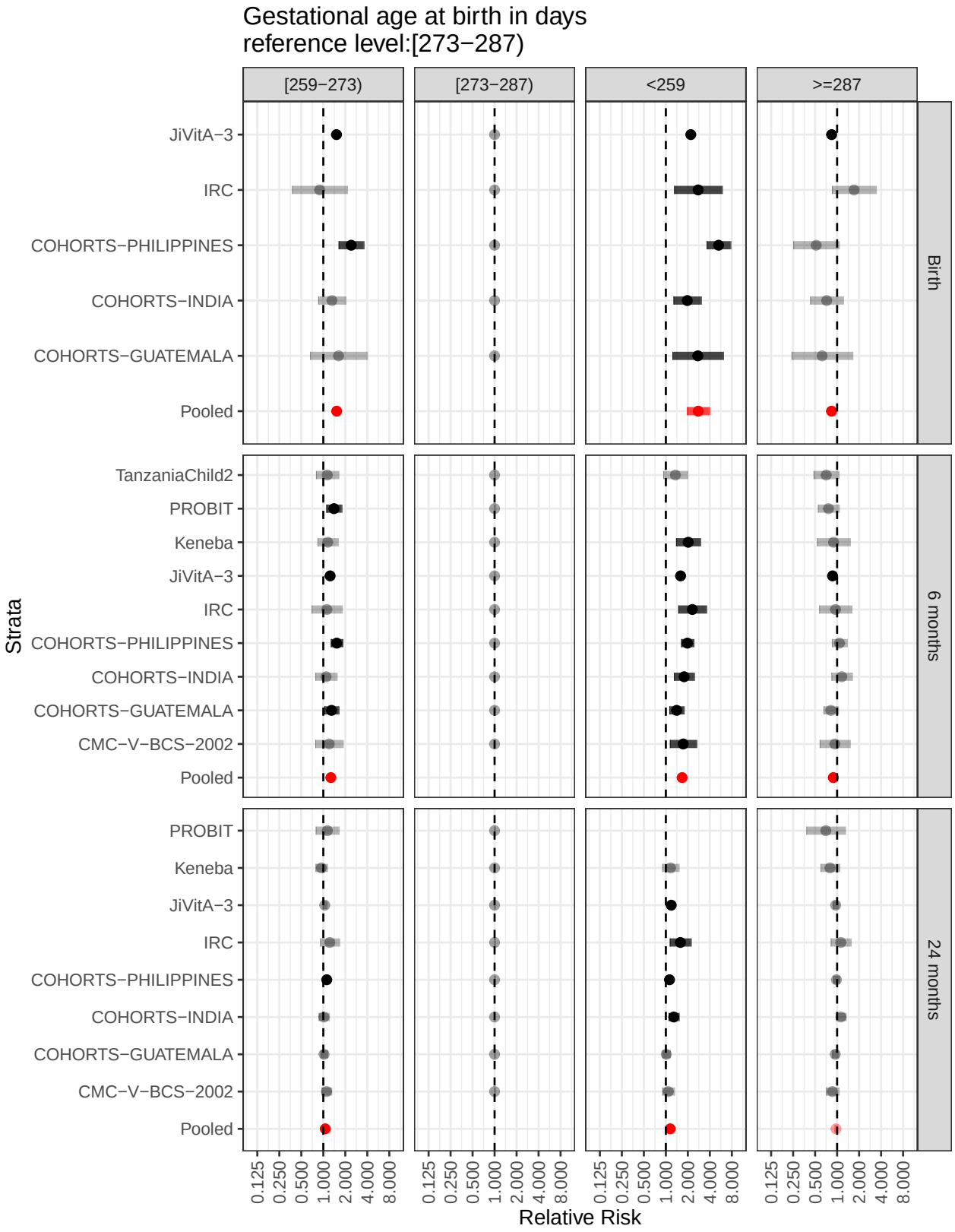

Calendar month of birth
reference level:1
1
10
11
12
2
3
4
5
6
7
8
9
Birth
6 months
24 months
ZVITAMBO
JiVitA−3
Pooled
TanzaniaChild2
SAS−CompFeed
PROBIT
NIH−Birth
LCNI−5
Keneba
JiVitA−4
IRC
CMC−V−BCS−2002
GMS−Nepal
Strata
Relative Risk

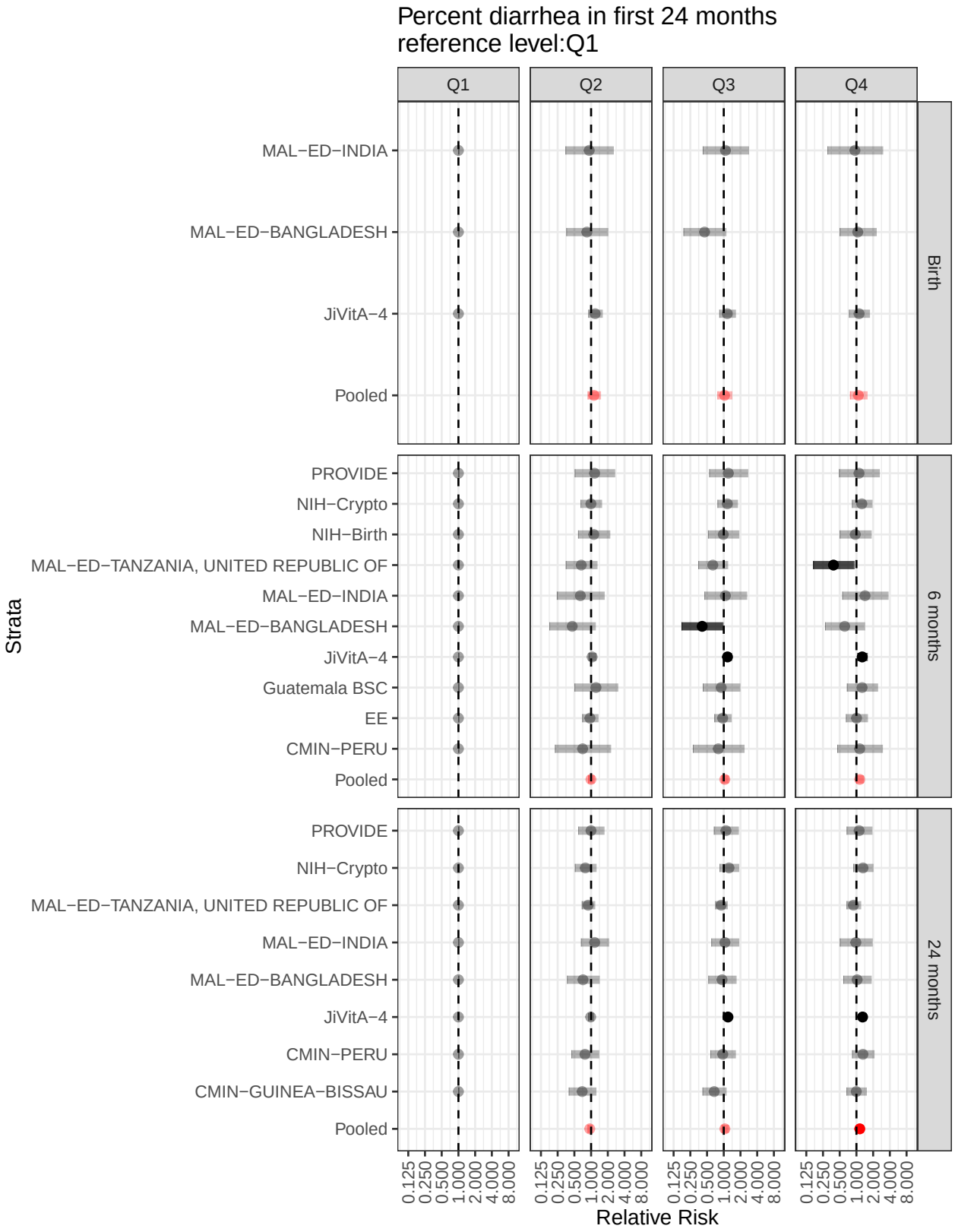

Calendar month of measurement
reference level:1
1
10
11
12
2
3
4
5
6
7
8
9
Birth
ZVITAMBO
JiVitA−3
Pooled
6 months
ZVITAMBO
TanzaniaChild2
SAS−FoodSuppl
SAS−CompFeed
PROBIT
NIH−Birth
LCNI−5
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
Pooled
24 months
PROBIT
NIH−Birth
LCNI−5
JiVitA−4
JiVitA−3
CMIN−GUINEA−BISSAU
Pooled
Strata
Relative Risk


Child delivered at home
reference level:0
0
1
Birth
6 months
24 months
Strata
SAS−CompFeed
JiVitA−4
JiVitA−3
COHORTS−INDIA
Pooled
TanzaniaChild2
SAS−FoodSuppl
PROVIDE
NIH−Crypto
GMS−Nepal
EE
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

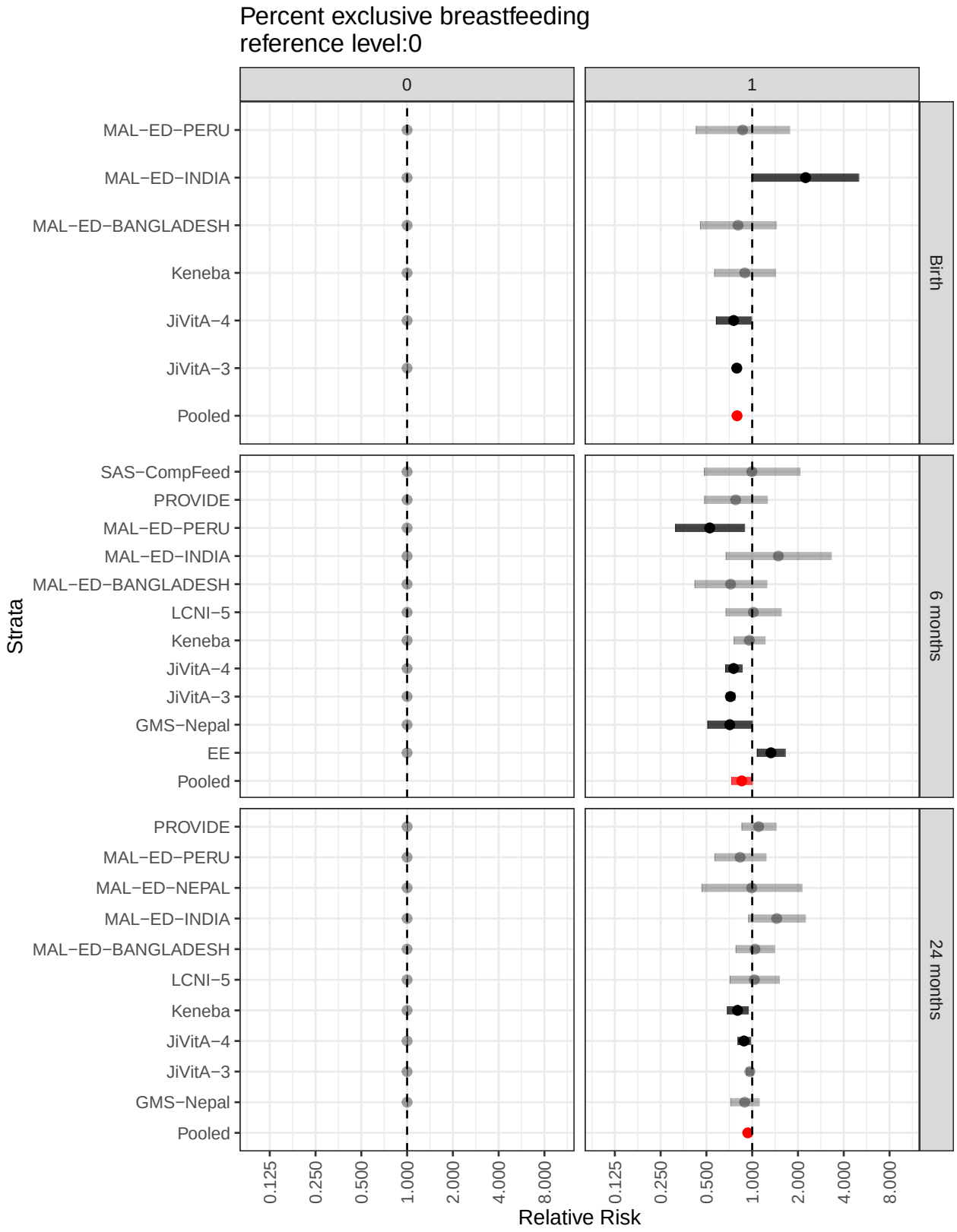

Child's sex
reference level:Female
Female
Male
Birth
6 months
24 months
Strata
ZVITAMBO
SAS−CompFeed
PROBIT
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BRAZIL
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
Pooled
TanzaniaChild2
SAS−FoodSuppl
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
Guatemala BSC
GMS−Nepal
CMIN−PERU
CMIN−GUINEA−BISSAU
CMIN−BANGLADESH
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

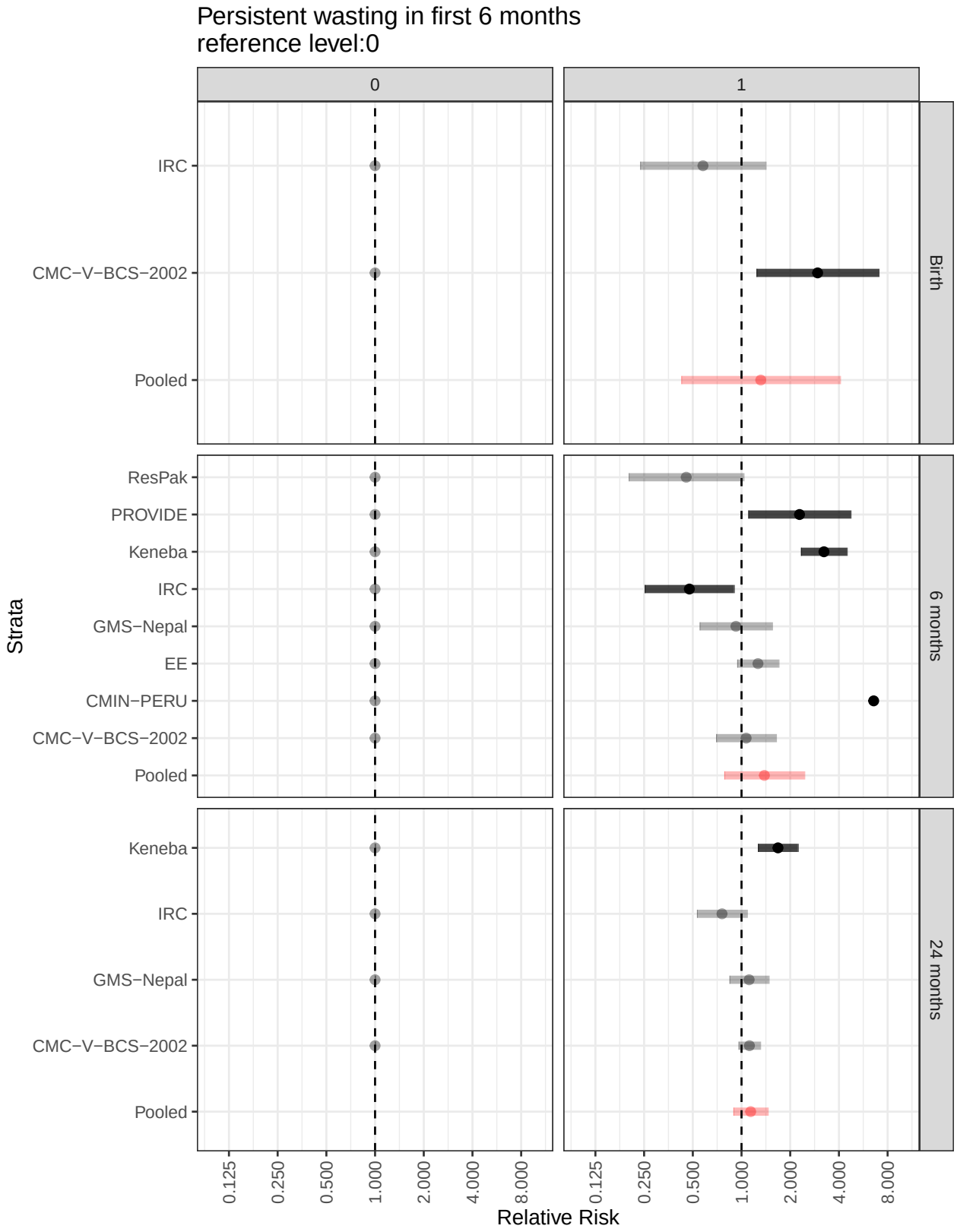

Enrolled wasted
reference level:0
0
1
Birth
6 months
24 months
Strata
ZVITAMBO
MAL−ED−INDIA
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
Pooled
SAS−FoodSuppl
SAS−CompFeed
ResPak
PROBIT
NIH−Birth
MAL−ED−BANGLADESH
LCNI−5
Keneba
IRC
COHORTS−GUATEMALA
MAL−ED−NEPAL
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

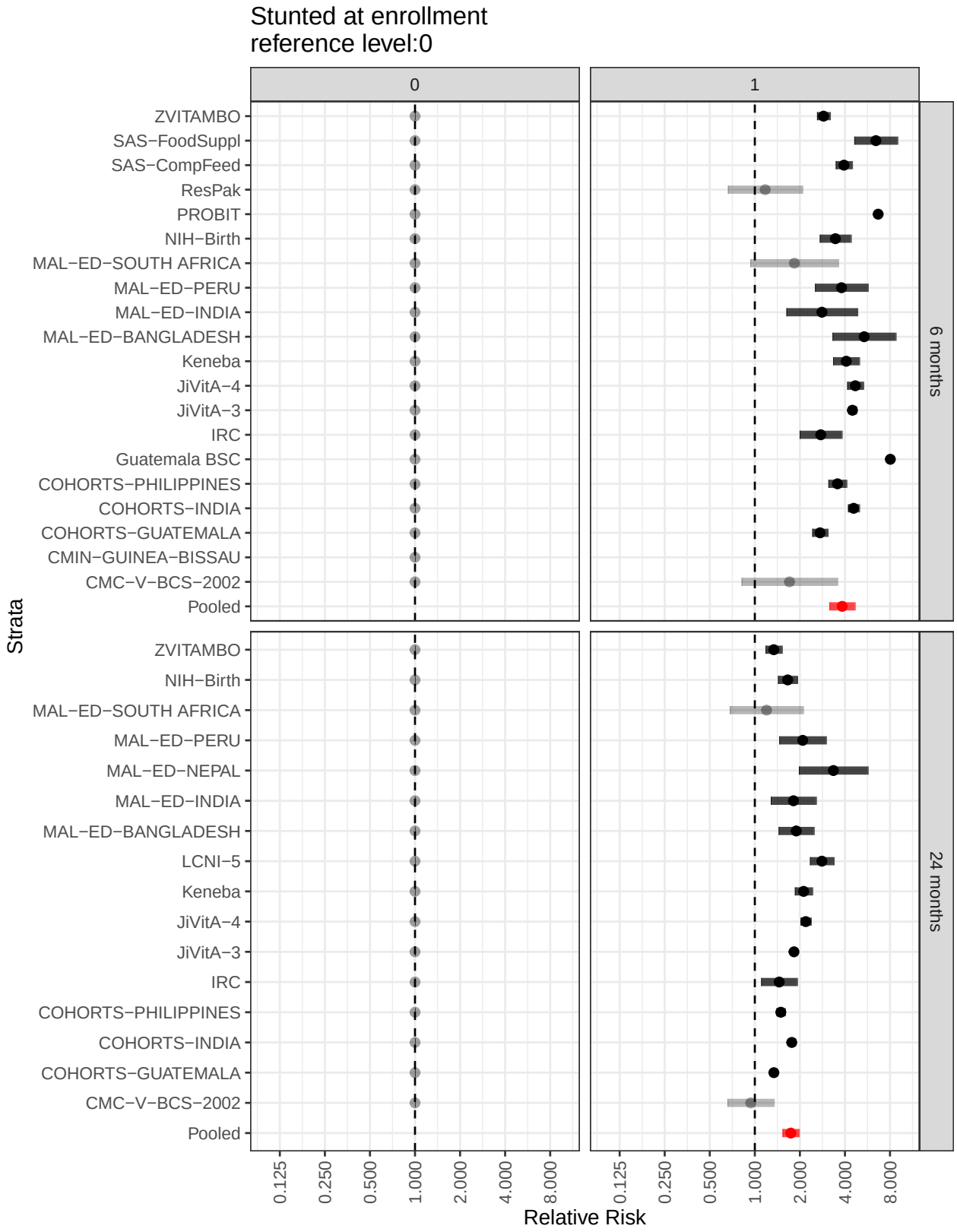

Gestational age at birth in days
reference level:[273−287)
[259−273)
[273−287)
<259
>=287
Birth
6 months
24 months
Strata
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
Pooled
TanzaniaChild2
PROBIT
Keneba
CMC−V−BCS−2002
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

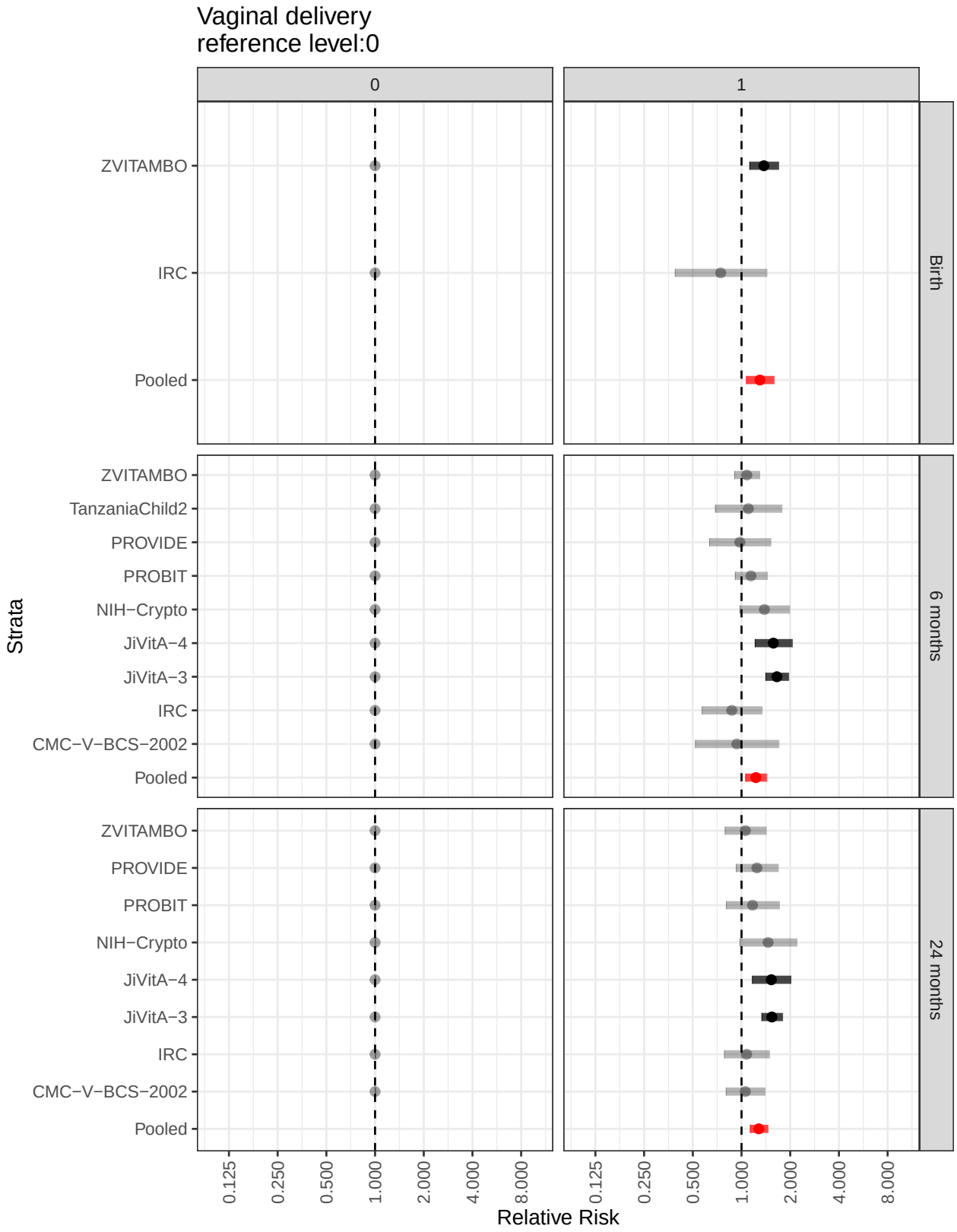

Percent diarrhea in first 24 months
reference level:Q1
Q1
Q2
Q3
Q4
Birth
6 months
24 months
Strata
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
Pooled
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−TANZANIA, UNITED REPUBLIC OF
Guatemala BSC
EE
CMIN−PERU
CMIN−GUINEA−BISSAU
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

Percent diarrhea in first 6 months
reference level:Q1
Q1
Q2
6 months
Strata
ResPak
Pooled
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

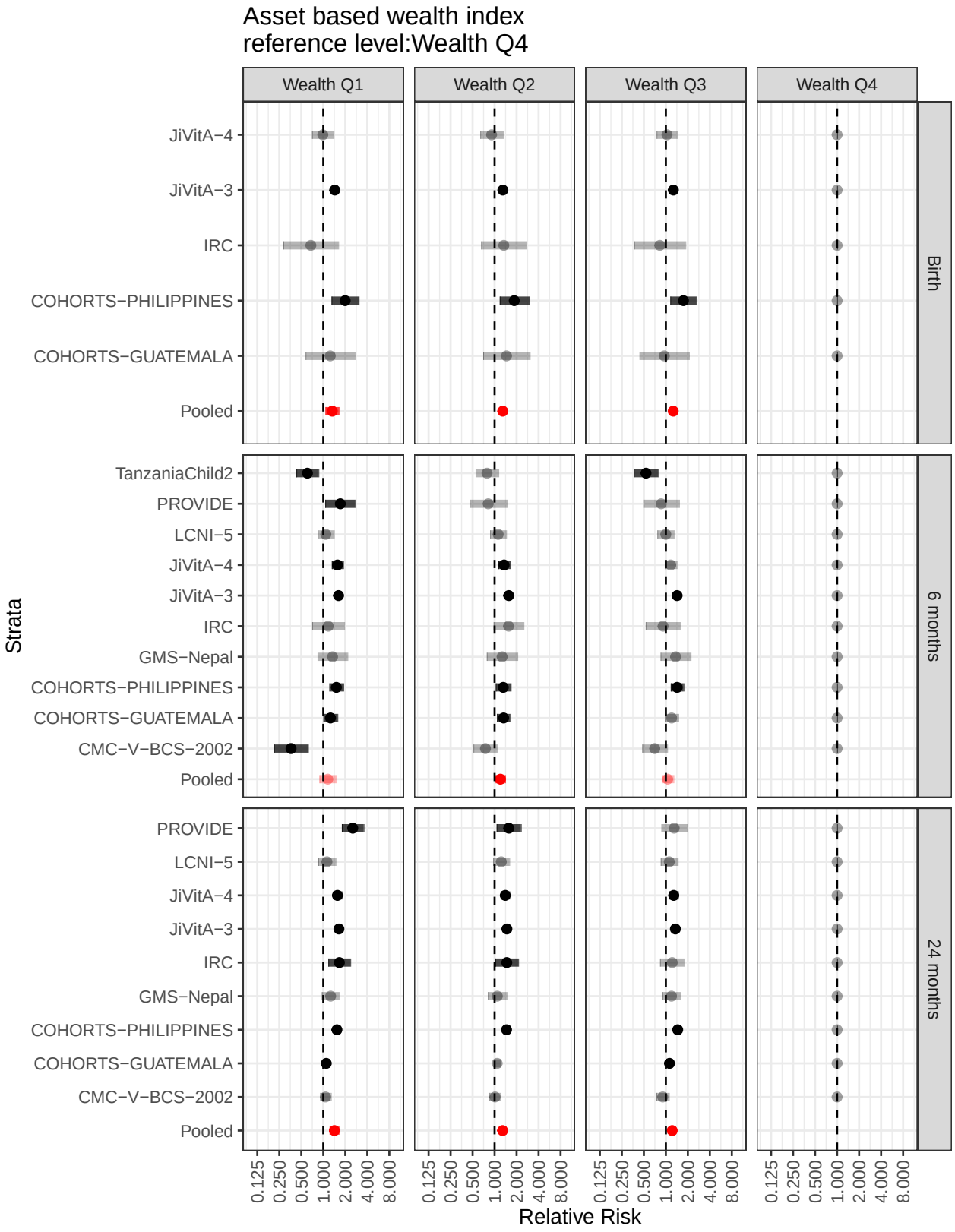

Percent exclusive breastfeeding
reference level:0
0
1
Birth
6 months
24 months
Strata
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
Pooled
SAS−CompFeed
PROVIDE
LCNI−5
GMS−Nepal
EE
MAL−ED−NEPAL
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

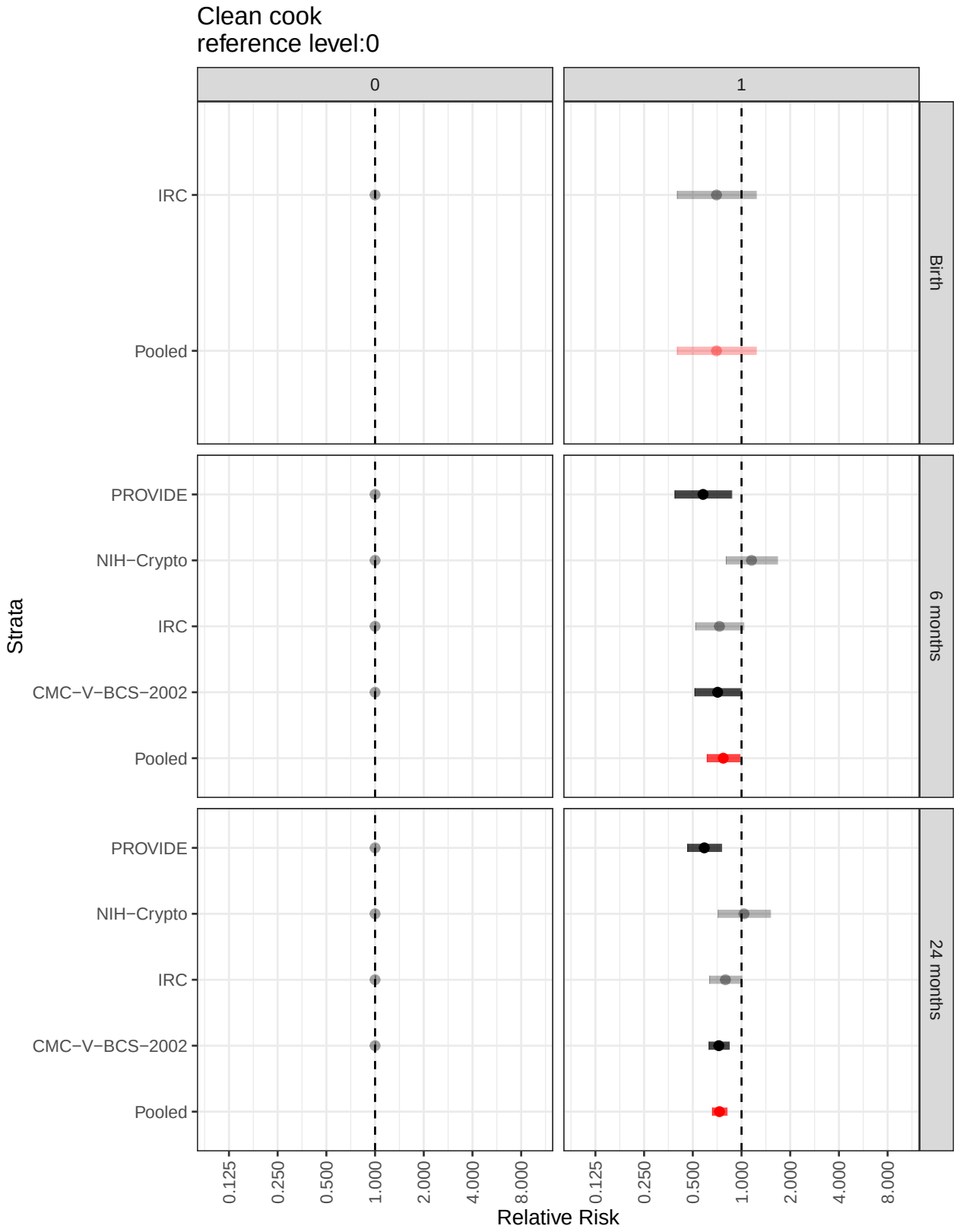

Persistent wasting in first 6 months
reference level:0
0
1
Birth
6 months
24 months
Strata
IRC
CMC−V−BCS−2002
Pooled
ResPak
PROVIDE
Keneba
IRC
GMS−Nepal
EE
CMIN−PERU
CMC−V−BCS−2002
Pooled
Keneba
IRC
GMS−Nepal
CMC−V−BCS−2002
Pooled
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

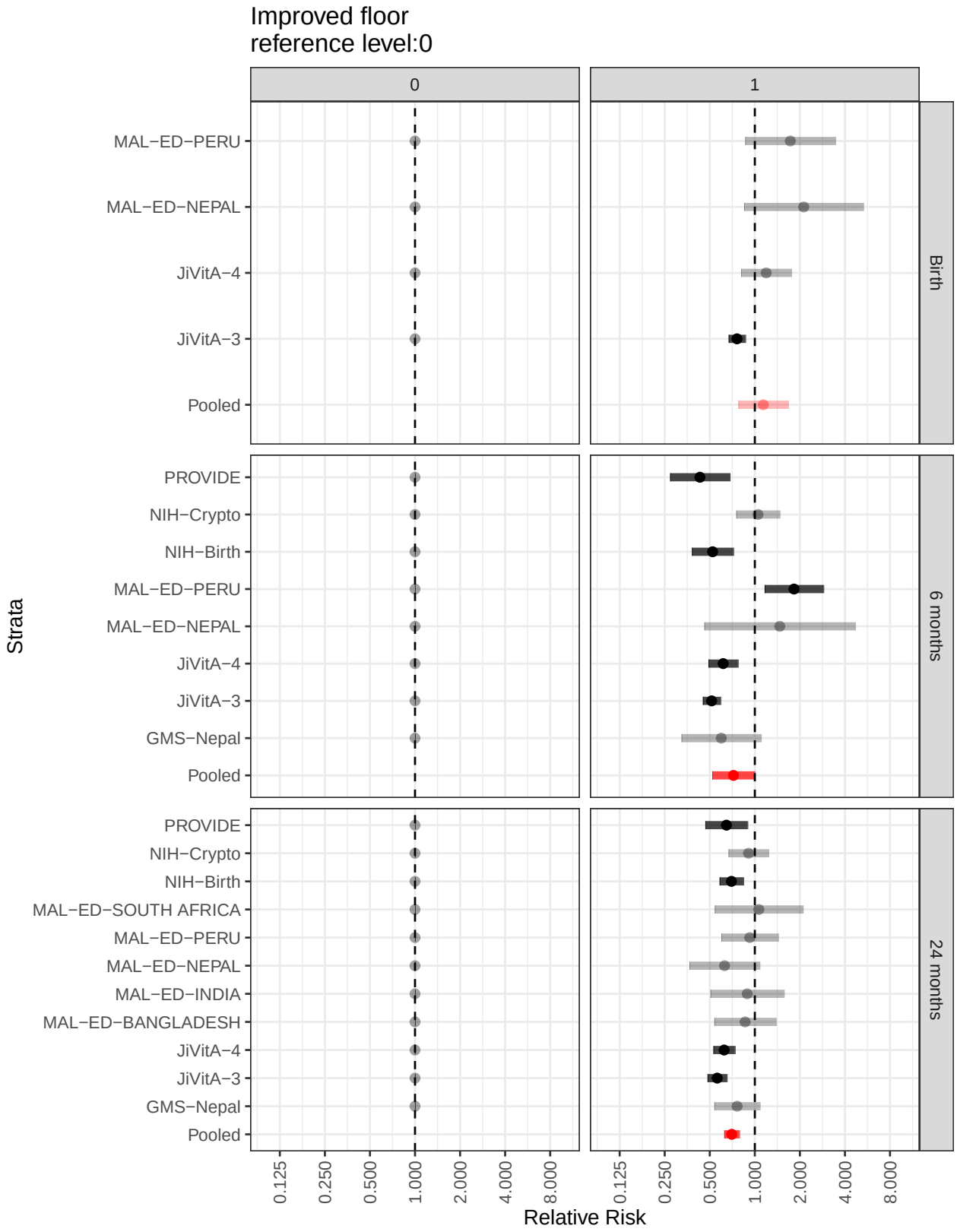

Stunted at enrollment
reference level:0
0
1
6 months
24 months
Strata
ZVITAMBO
SAS−FoodSuppl
SAS−CompFeed
ResPak
PROBIT
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
Guatemala BSC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMIN−GUINEA−BISSAU
CMC−V−BCS−2002
Pooled
ZVITAMBO
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
Pooled
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

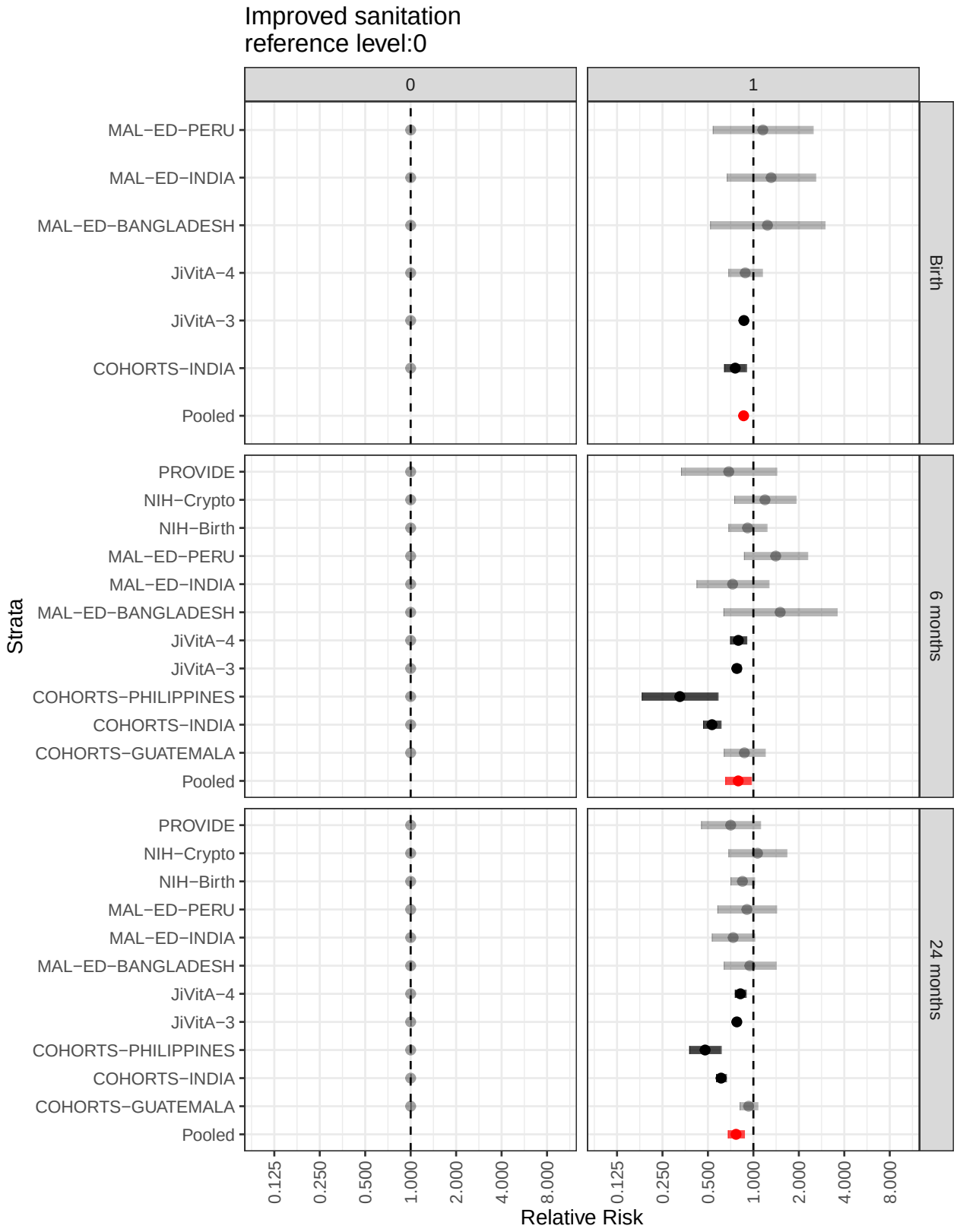

Vaginal delivery
reference level:0
0
1
Birth
6 months
24 months
Strata
ZVITAMBO
IRC
Pooled
TanzaniaChild2
PROVIDE
PROBIT
NIH−Crypto
JiVitA−4
JiVitA−3
CMC−V−BCS−2002
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

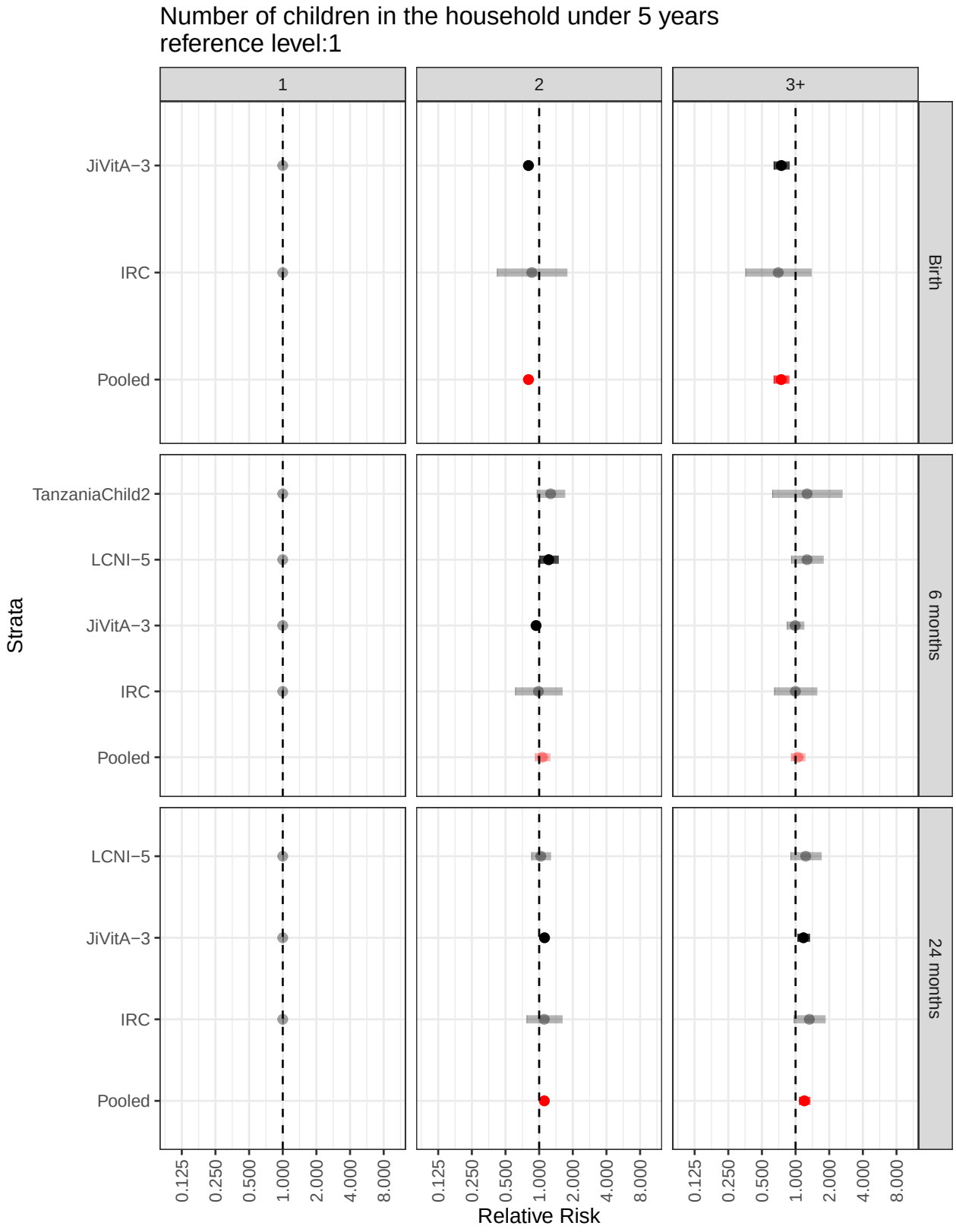
Household characteristics

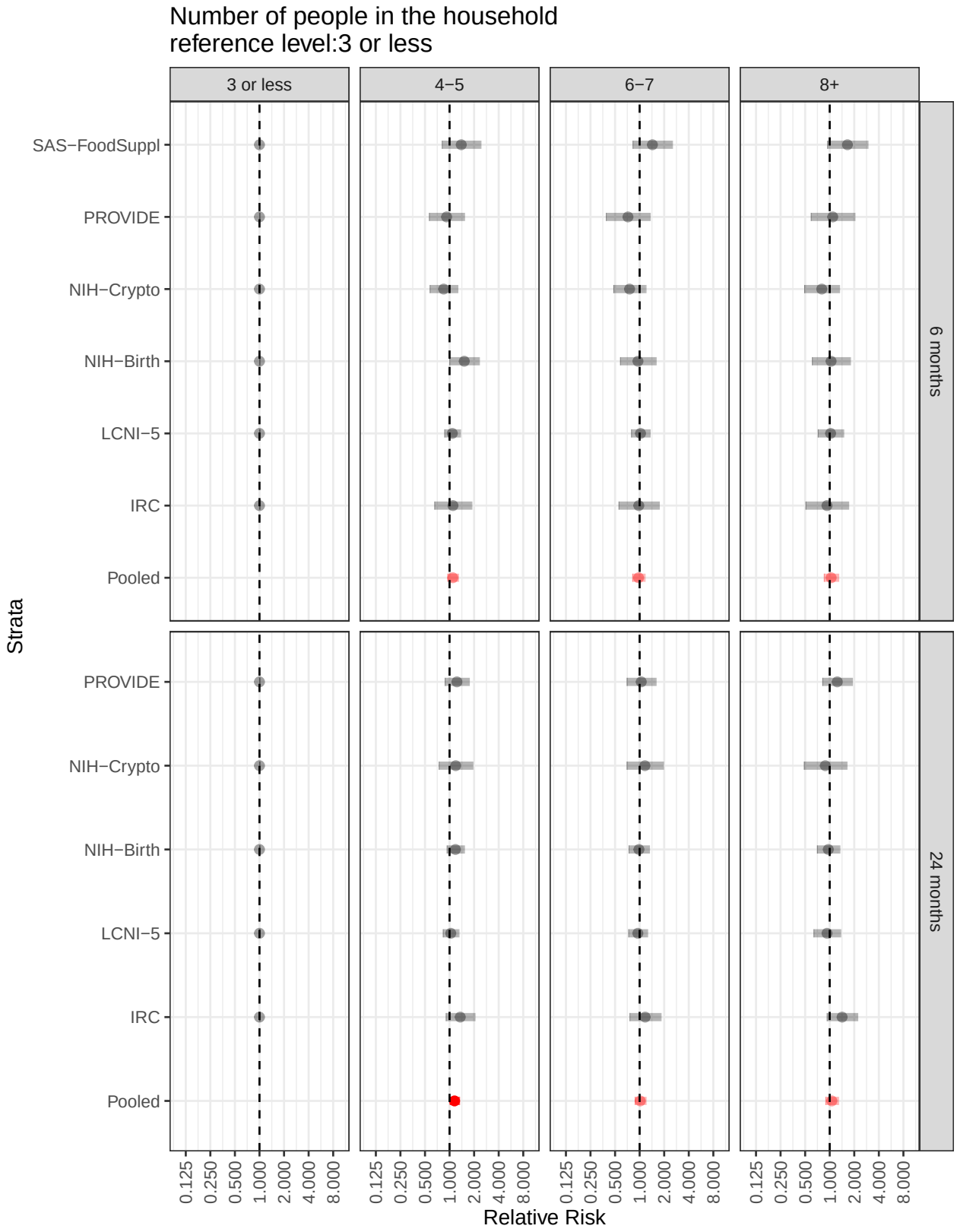


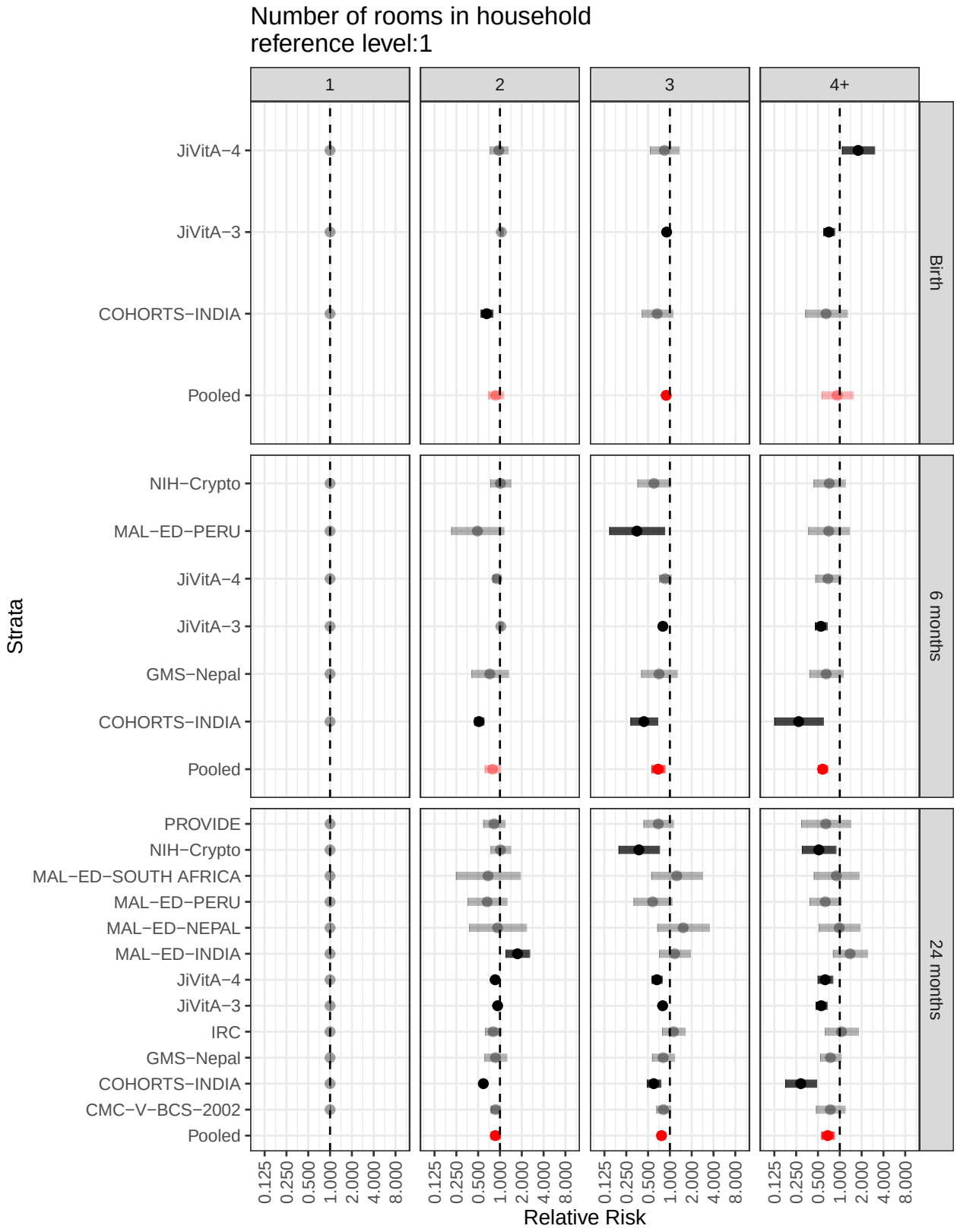

Clean cook
reference level:0
0
1
Birth
6 months
24 months
IRC
Pooled
PROVIDE
NIH−Crypto
IRC
CMC−V−BCS−2002
Pooled
PROVIDE
NIH−Crypto
IRC
CMC−V−BCS−2002
Pooled
Strata
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

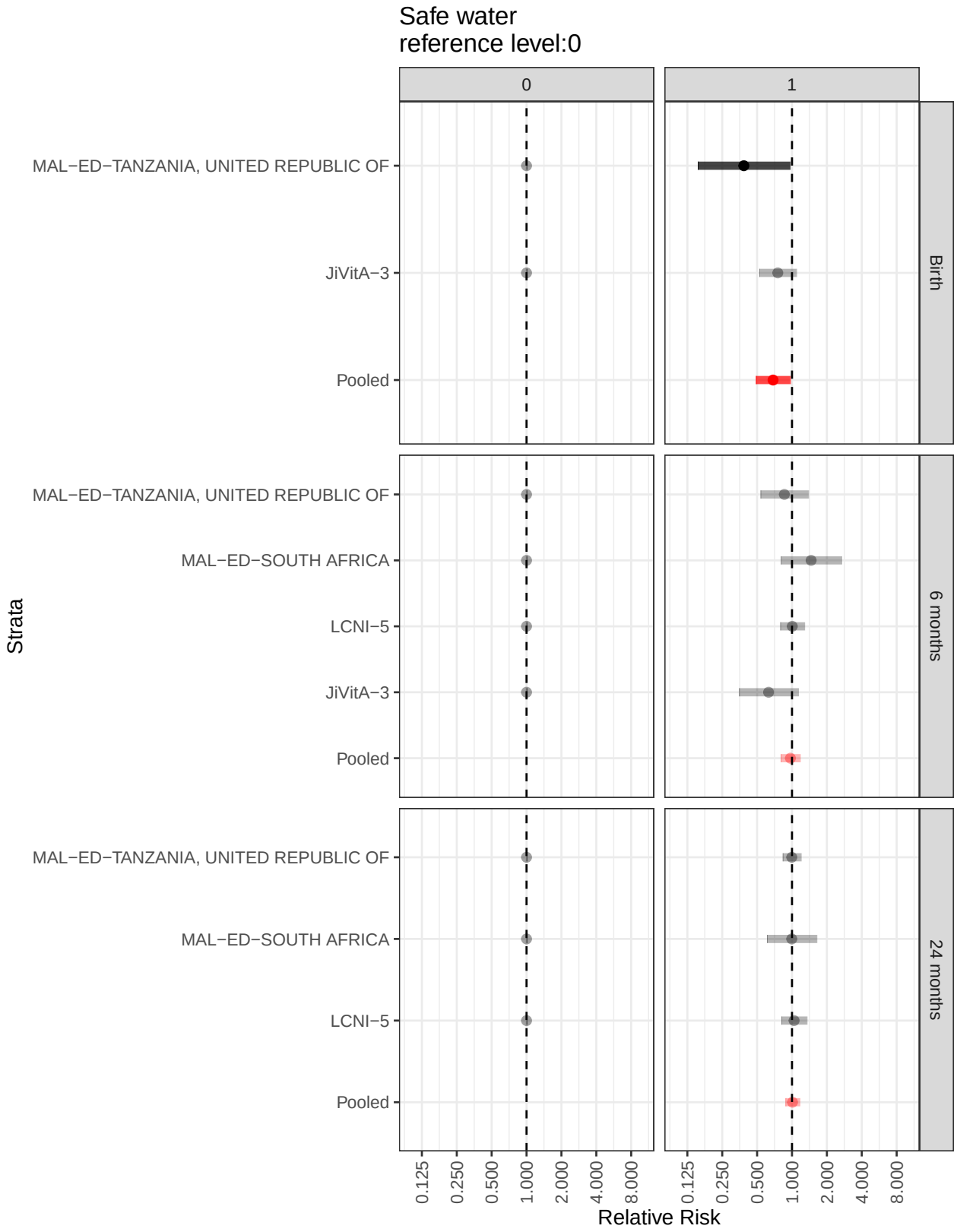

Improved floor
reference level:0
0
1
Birth
6 months
24 months
Strata
MAL−ED−PERU
MAL−ED−NEPAL
JiVitA−4
JiVitA−3
Pooled
PROVIDE
NIH−Crypto
NIH−Birth
GMS−Nepal
MAL−ED−SOUTH AFRICA
MAL−ED−INDIA
MAL−ED−BANGLADESH
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

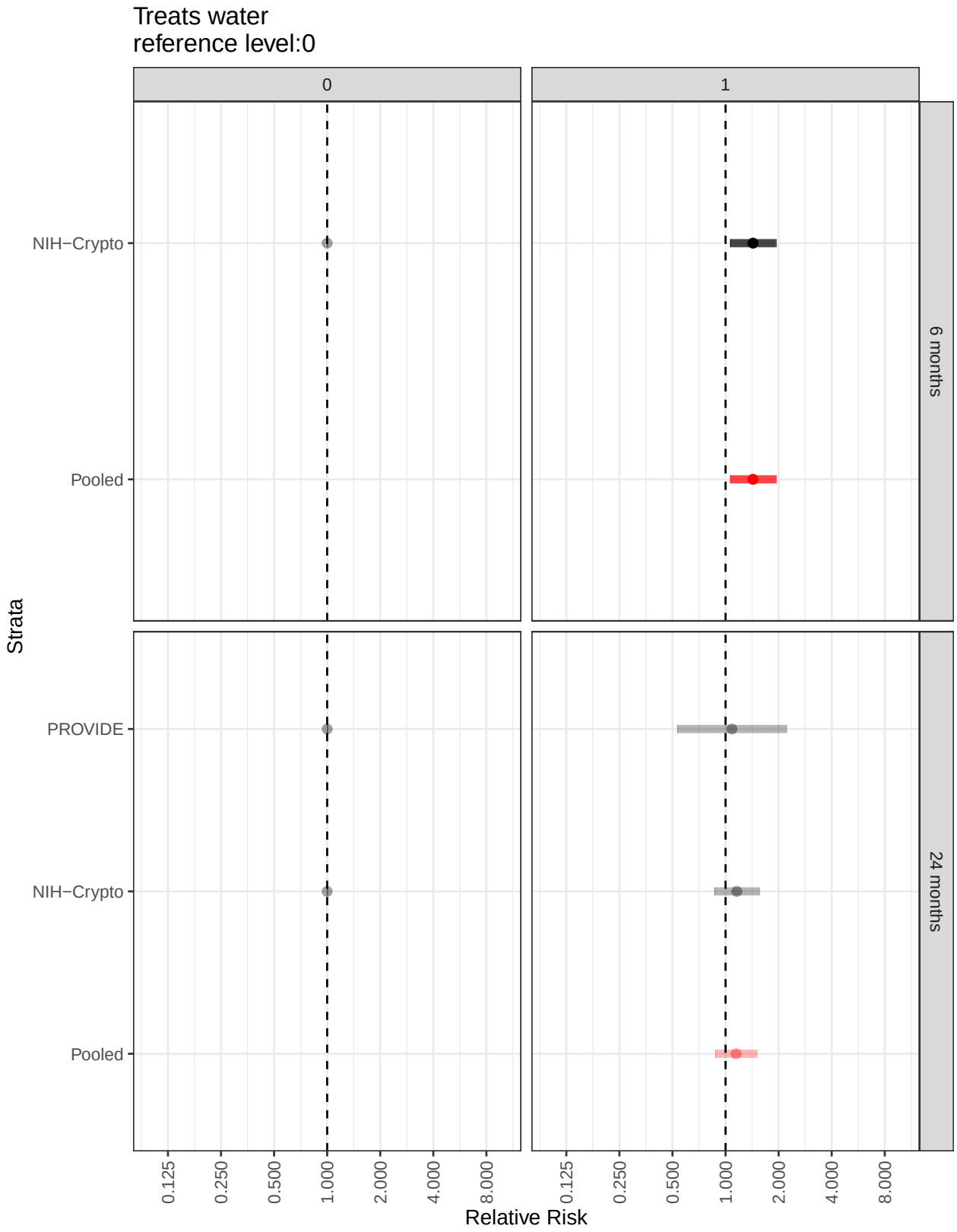

Improved sanitation
reference level:0
0
1
Birth
6 months
24 months
Strata
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
COHORTS−INDIA
Pooled
PROVIDE
NIH−Crypto
NIH−Birth
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

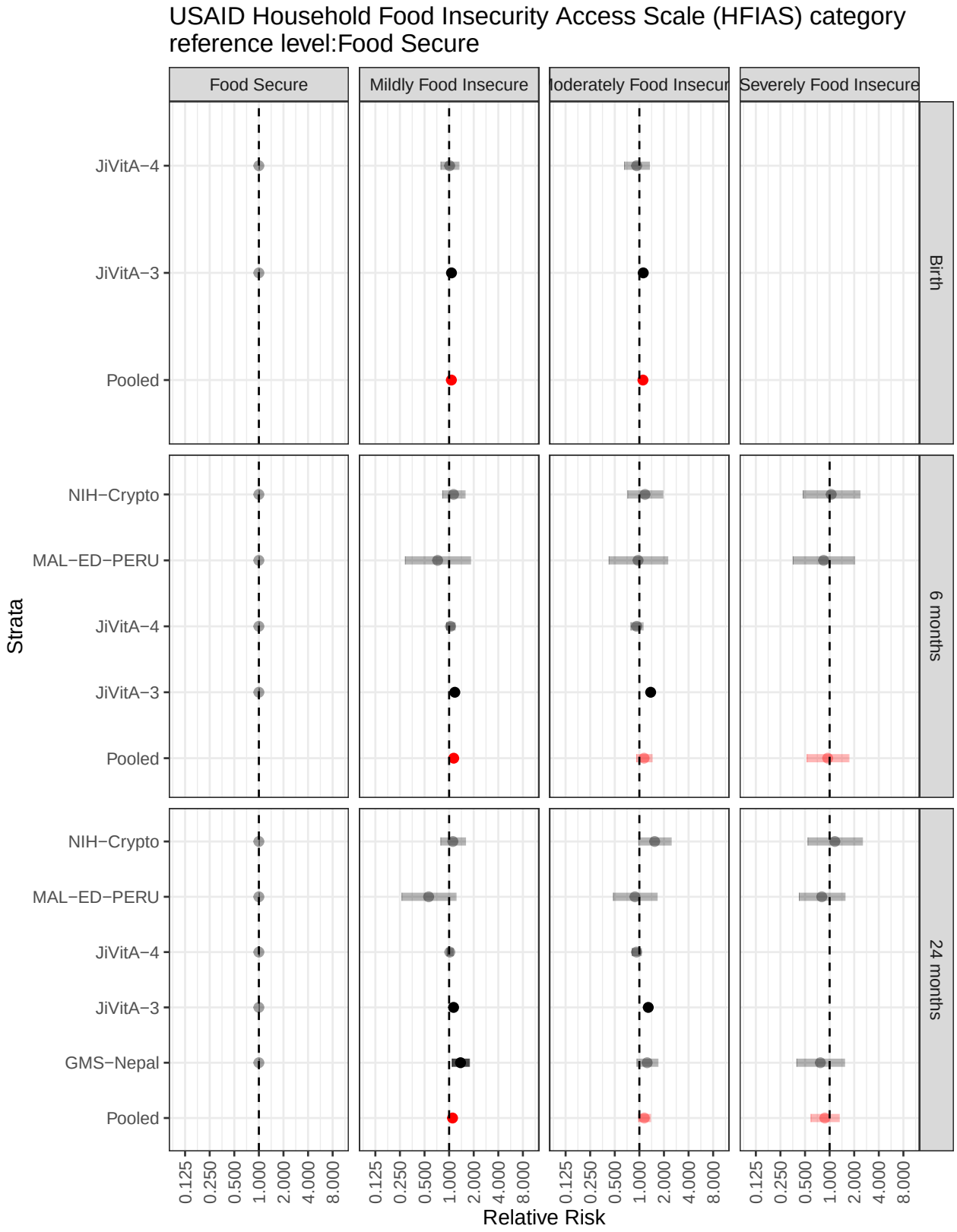

Number of children in the household under 5 years
reference level:1
1
2
3+
Birth
6 months
24 months
Strata
JiVitA−3
IRC
Pooled
TanzaniaChild2
LCNI−5
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk


Number of people in the household
reference level:3 or less
3 or less
4−5
6−7
8+
6 months
24 months
SAS−FoodSuppl
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
IRC
Pooled
Strata
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

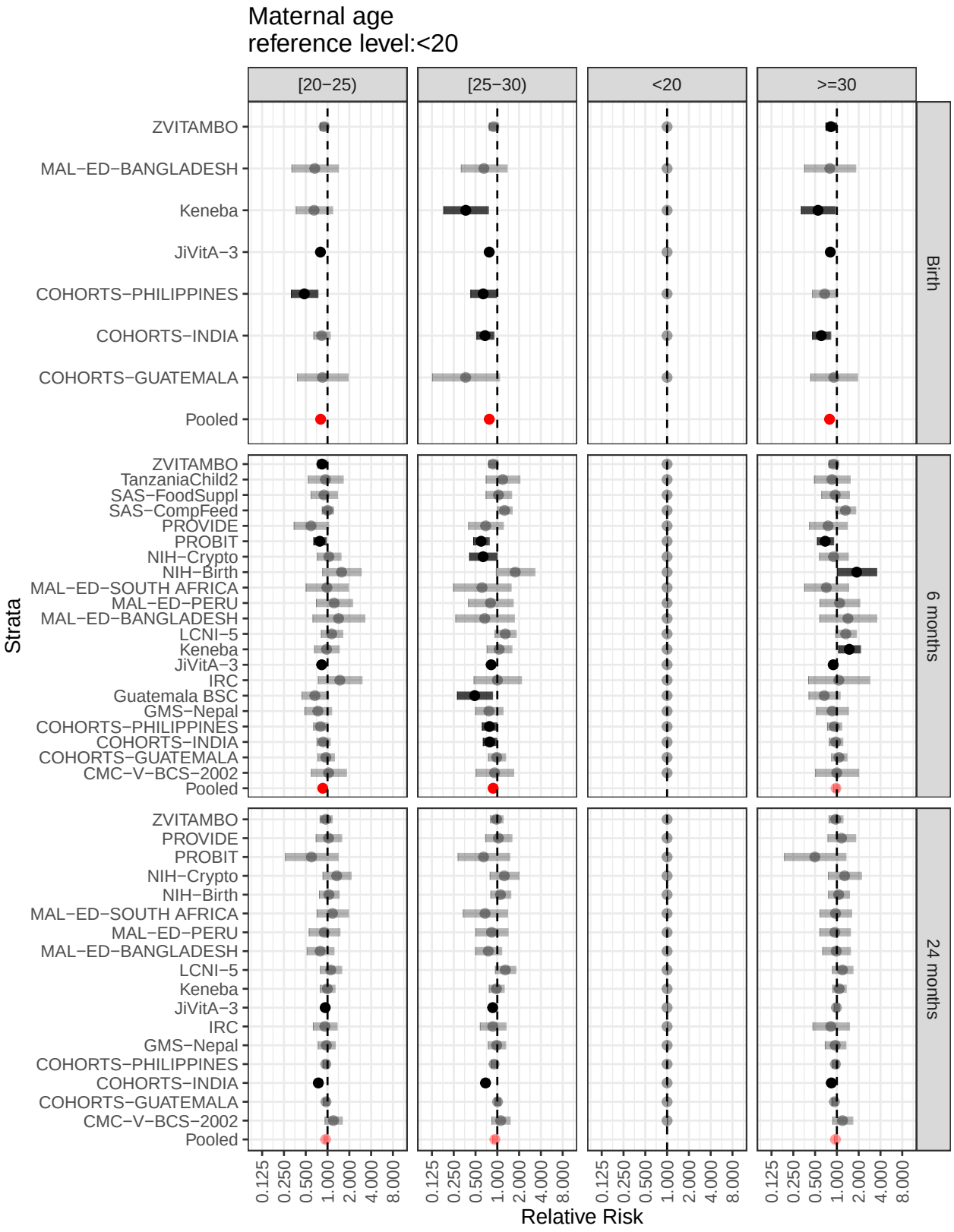

Number of rooms in household
reference level:1
1
2
3
4+
Birth
6 months
24 months
Strata
JiVitA−4
JiVitA−3
COHORTS−INDIA
Pooled
NIH−Crypto
MAL−ED−PERU
GMS−Nepal
PROVIDE
MAL−ED−SOUTH AFRICA
MAL−ED−NEPAL
MAL−ED−INDIA
IRC
CMC−V−BCS−2002
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

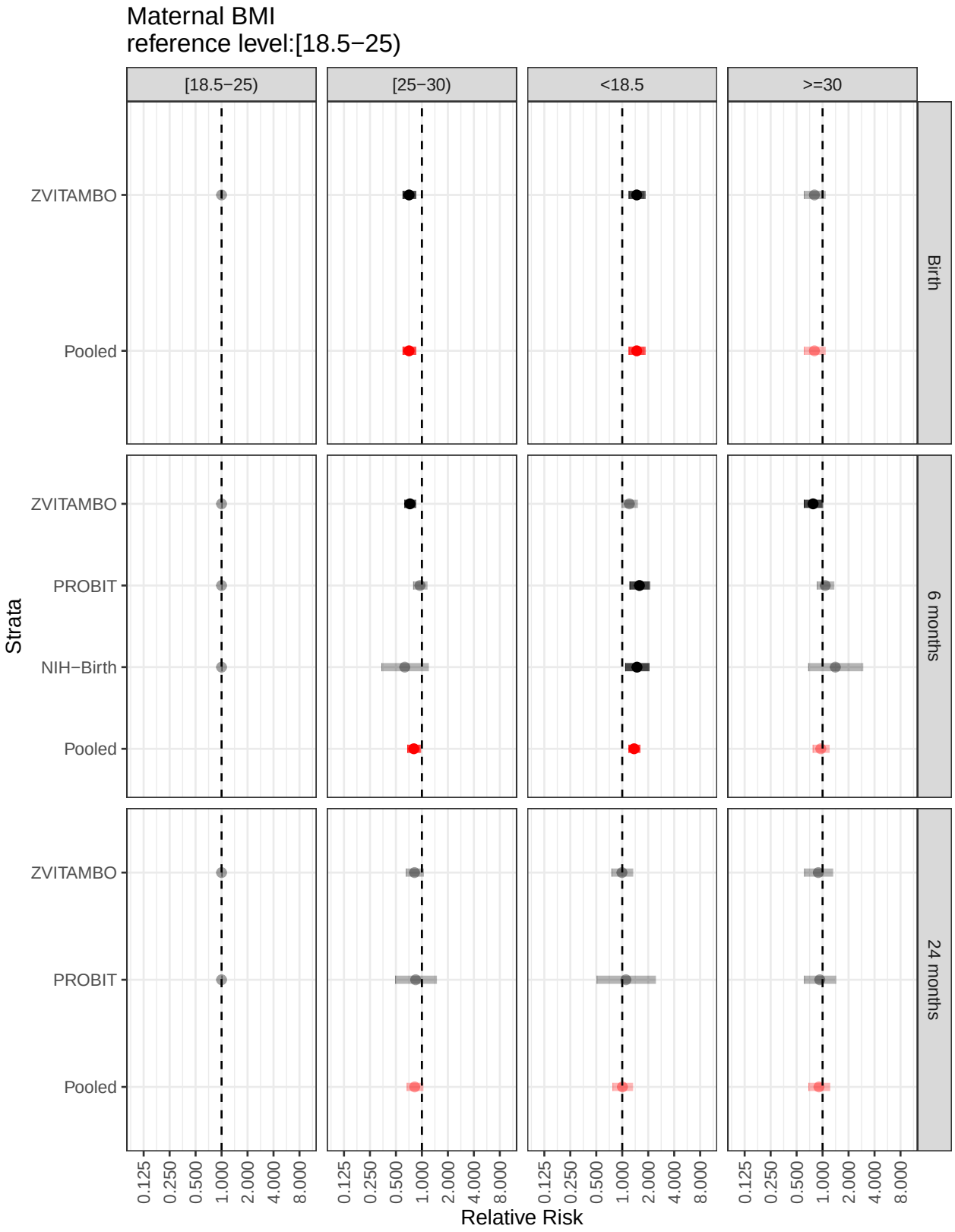

Safe water
reference level:0
0
1
Birth
6 months
24 months
MAL−ED−TANZANIA, UNITED REPUBLIC OF
JiVitA−3
Pooled
MAL−ED−SOUTH AFRICA
LCNI−5
Strata
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

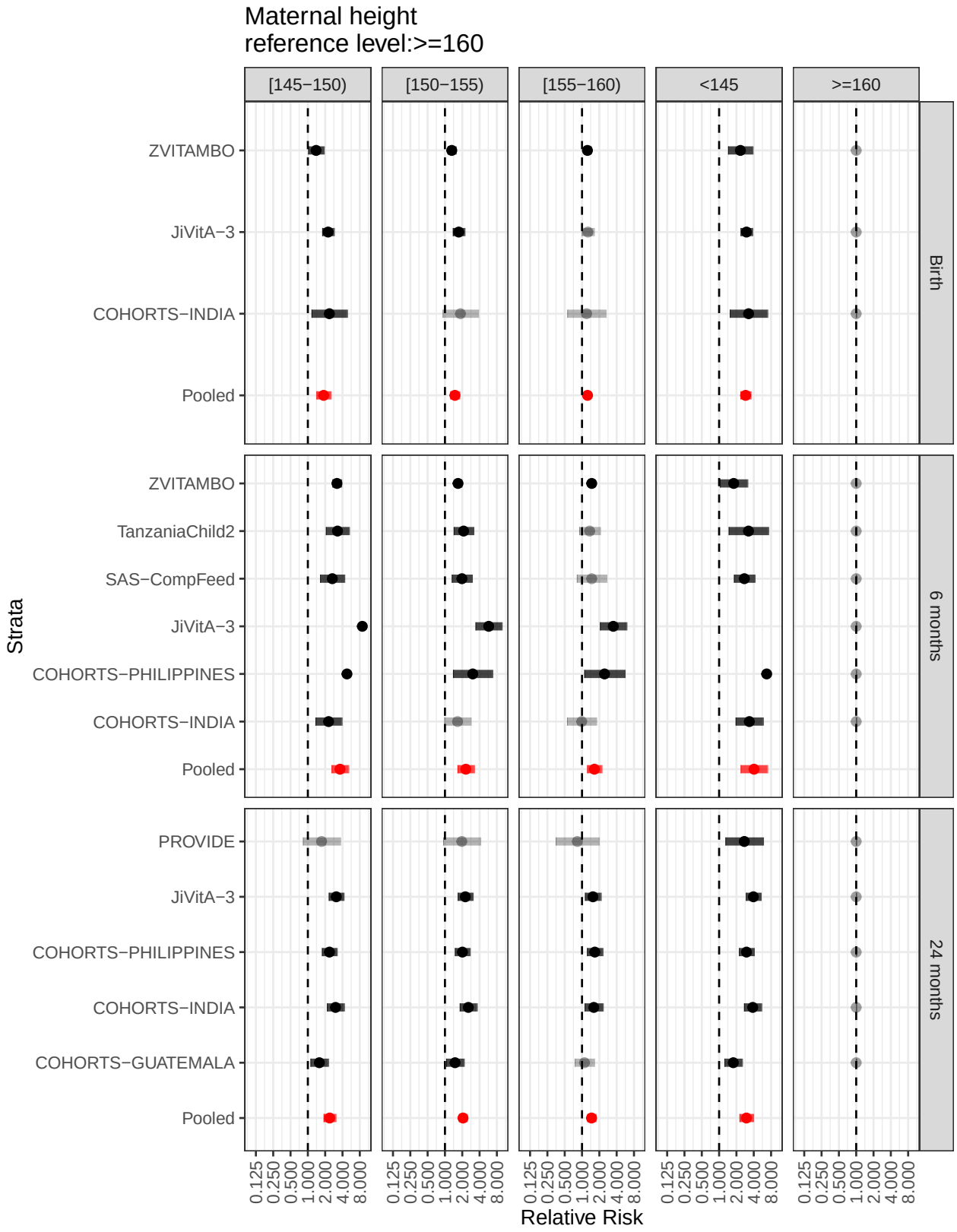

Treats water
reference level:0
0
1
6 months
24 months
NIH−Crypto
Pooled
PROVIDE
NIH−Crypto
Pooled
Strata
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

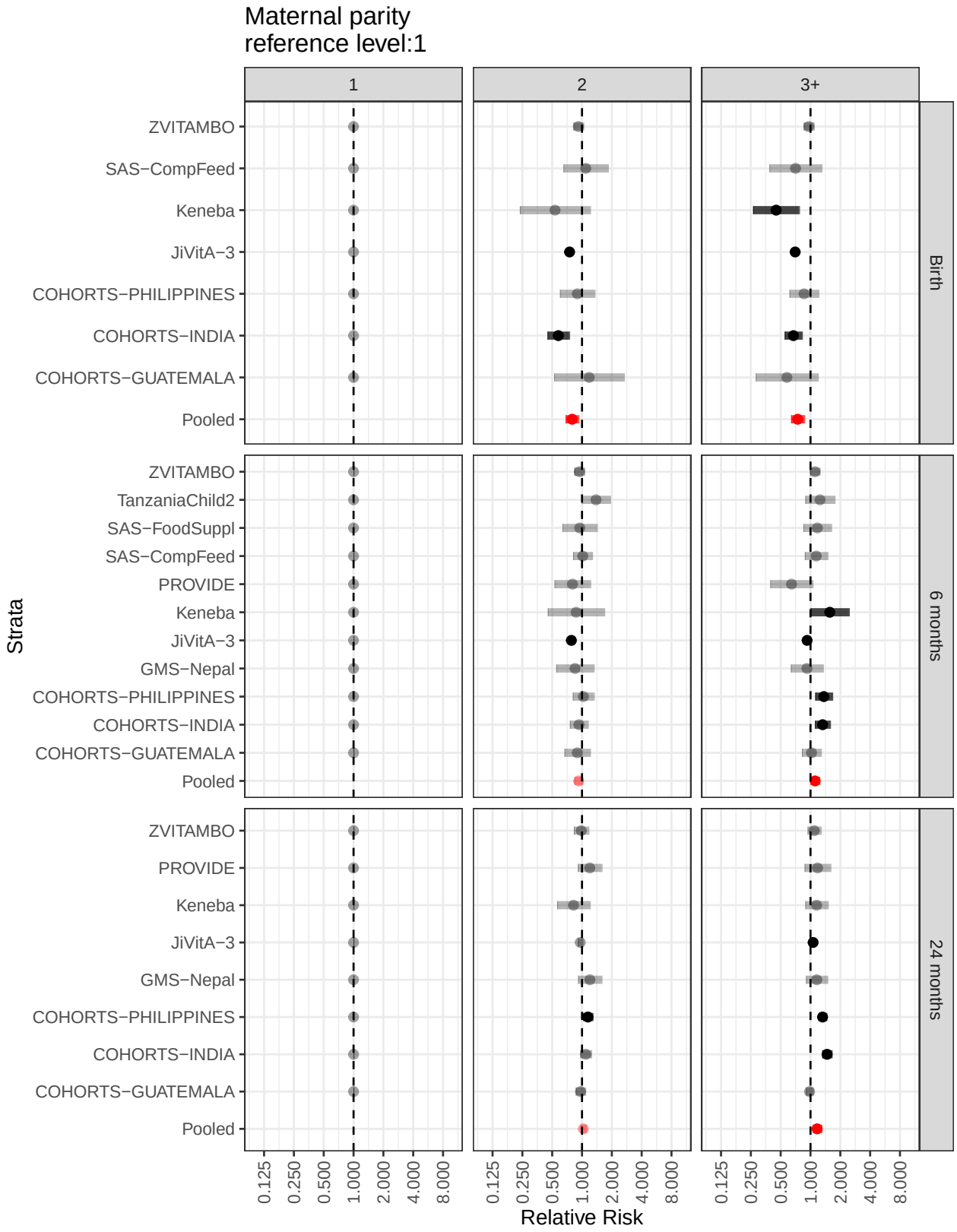

USAID Household Food Insecurity Access Scale (HFIAS) category
reference level:Food Secure
Food Secure
Mildly Food Insecure
loderately Food Insecur
Severely Food Insecure
Birth
6 months
24 months
Strata
JiVitA−4
JiVitA−3
Pooled
NIH−Crypto
MAL−ED−PERU
GMS−Nepal
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

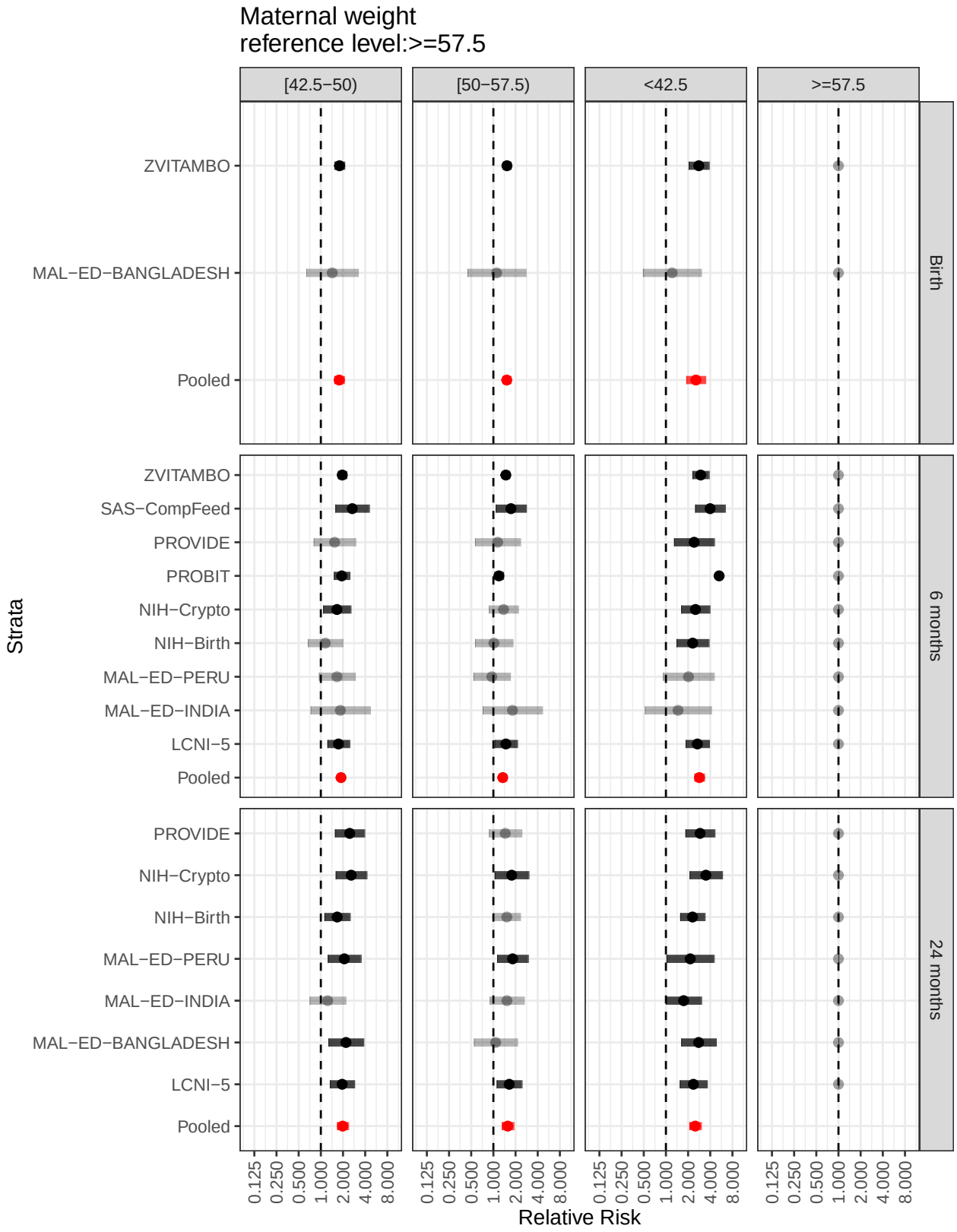
Maternal characteristics

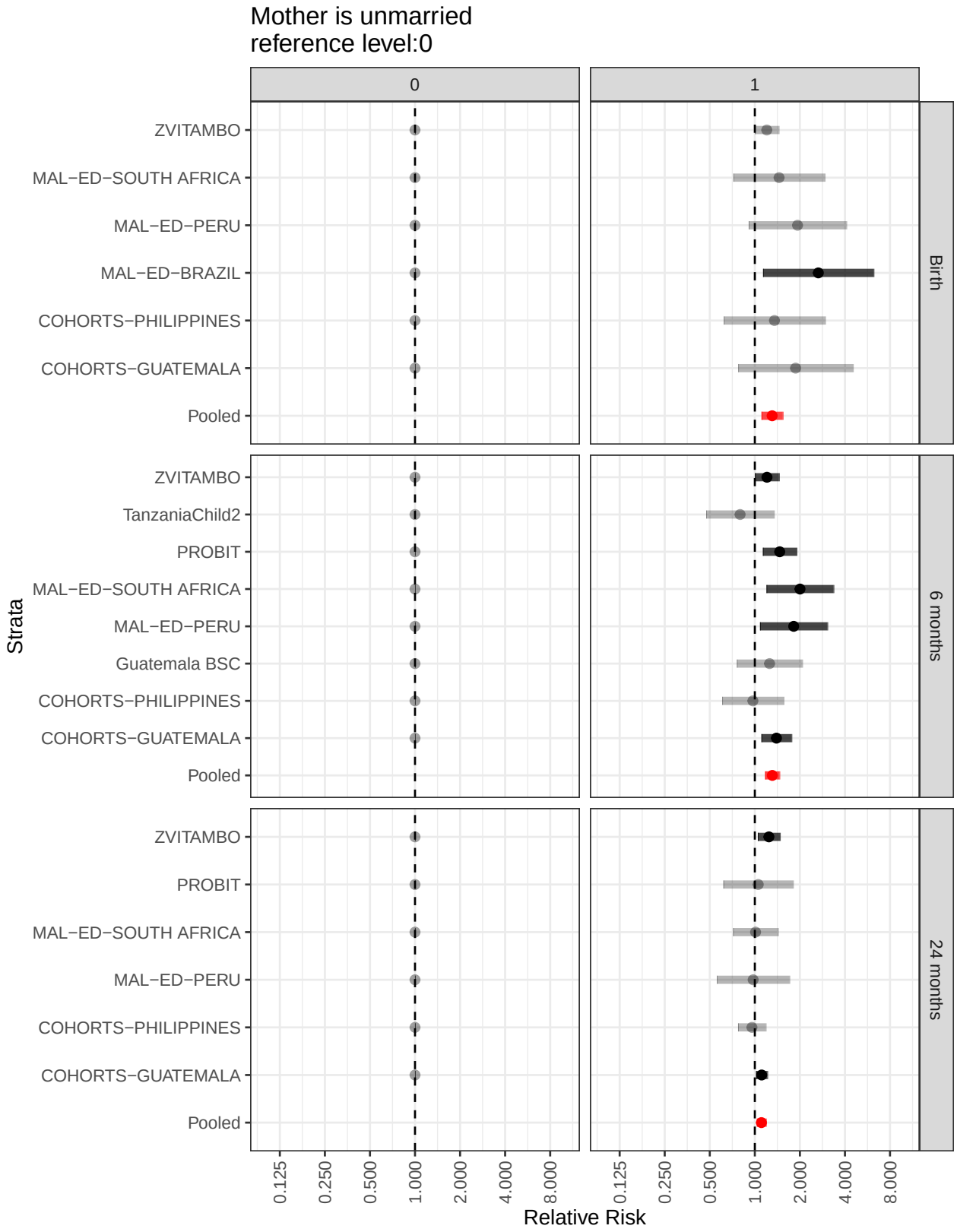


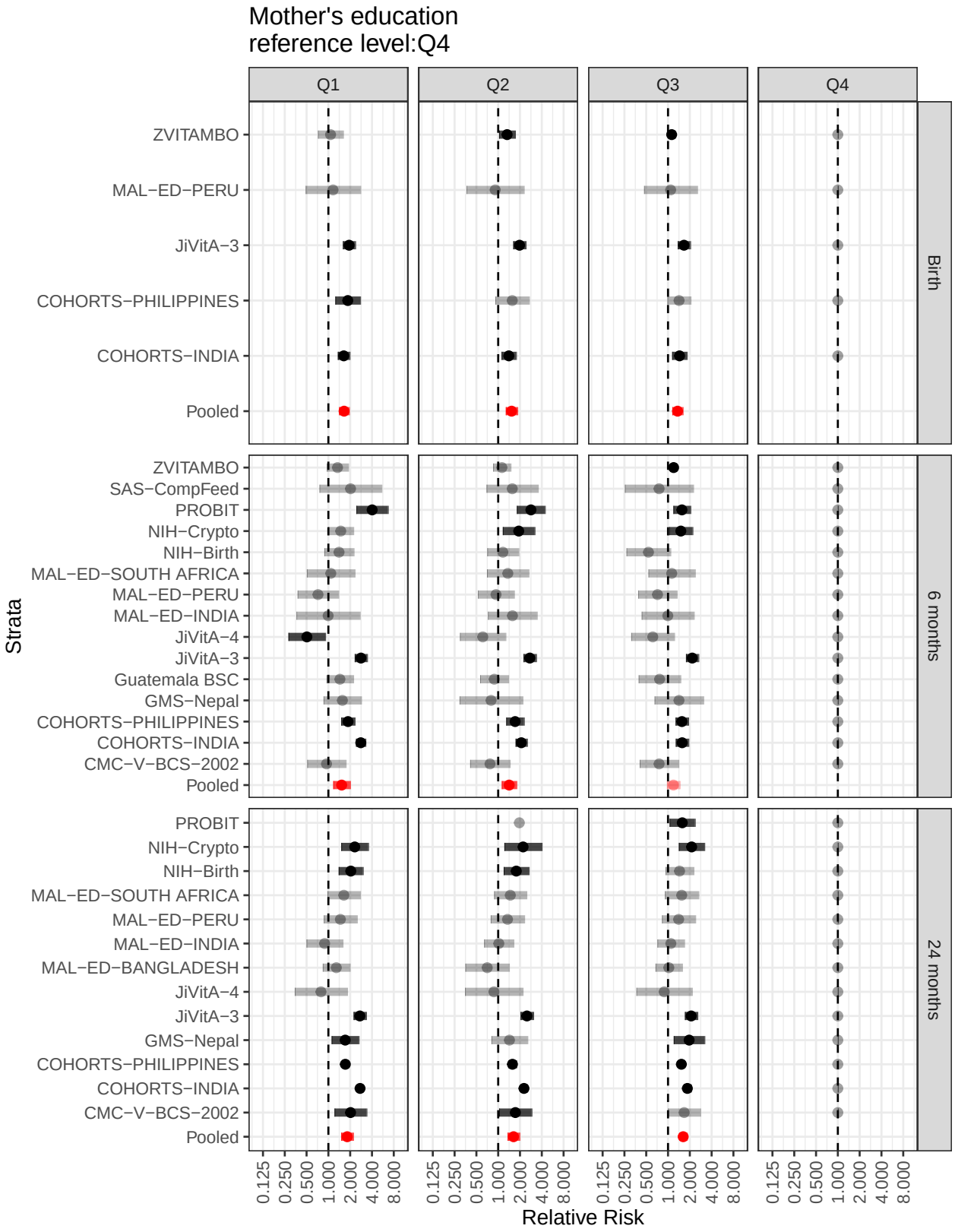

Maternal BMI
reference level:[18.5−25)
[18.5−25)
[25−30)
<18.5
>=30
Birth
6 months
24 months
Strata
ZVITAMBO
PROBIT
NIH−Birth
Pooled
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk


Maternal height
reference level:>=160
[145−150)
[150−155)
[155−160)
<145
>=160
Birth
6 months
24 months
ZVITAMBO
JiVitA−3
COHORTS−INDIA
Pooled
TanzaniaChild2
SAS−CompFeed
COHORTS−PHILIPPINES
PROVIDE
COHORTS−GUATEMALA
Strata
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

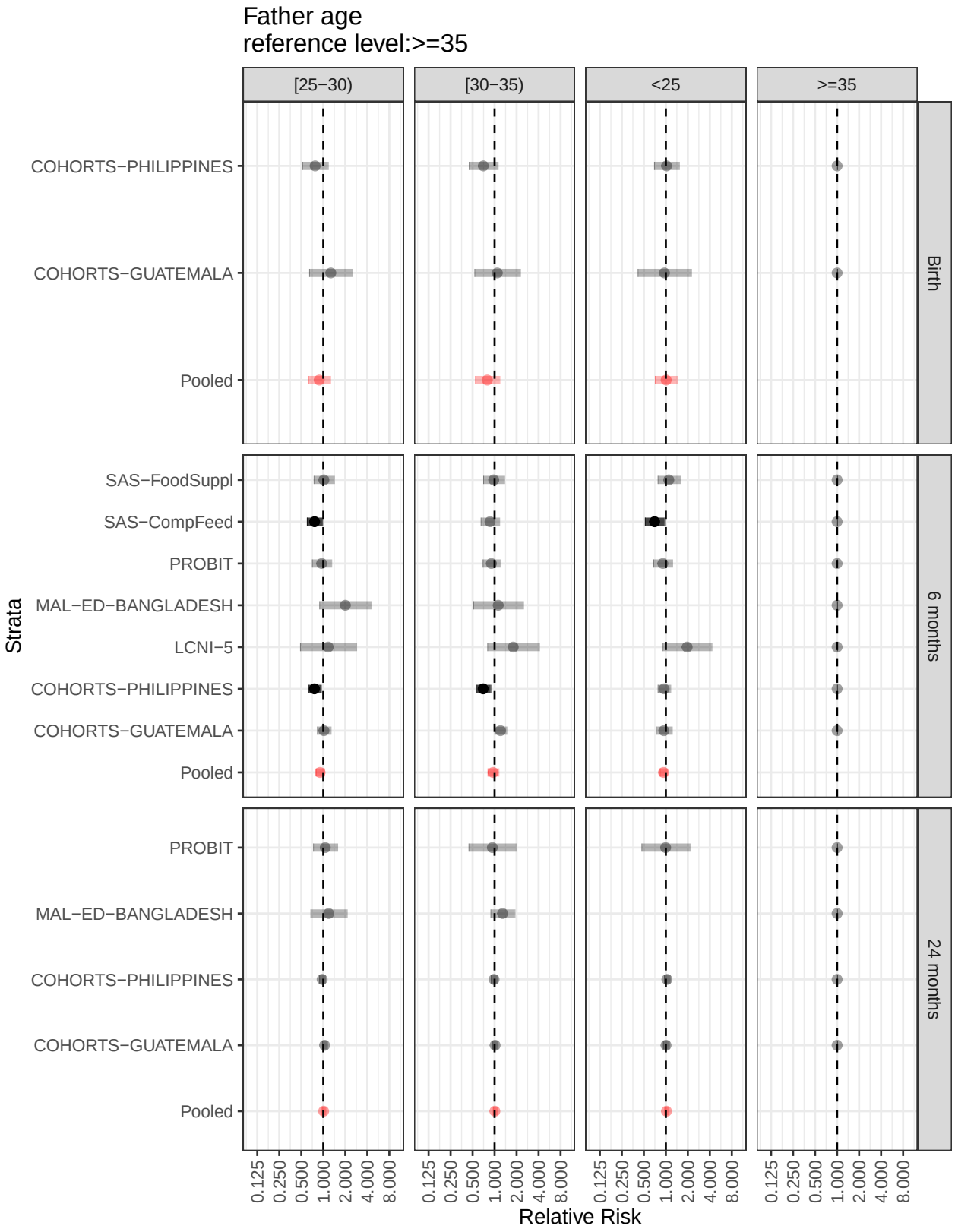

Maternal parity
reference level:1
1
2
3+
Birth
6 months
24 months
Strata
ZVITAMBO
SAS−CompFeed
Keneba
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
Pooled
TanzaniaChild2
SAS−FoodSuppl
PROVIDE
GMS−Nepal
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

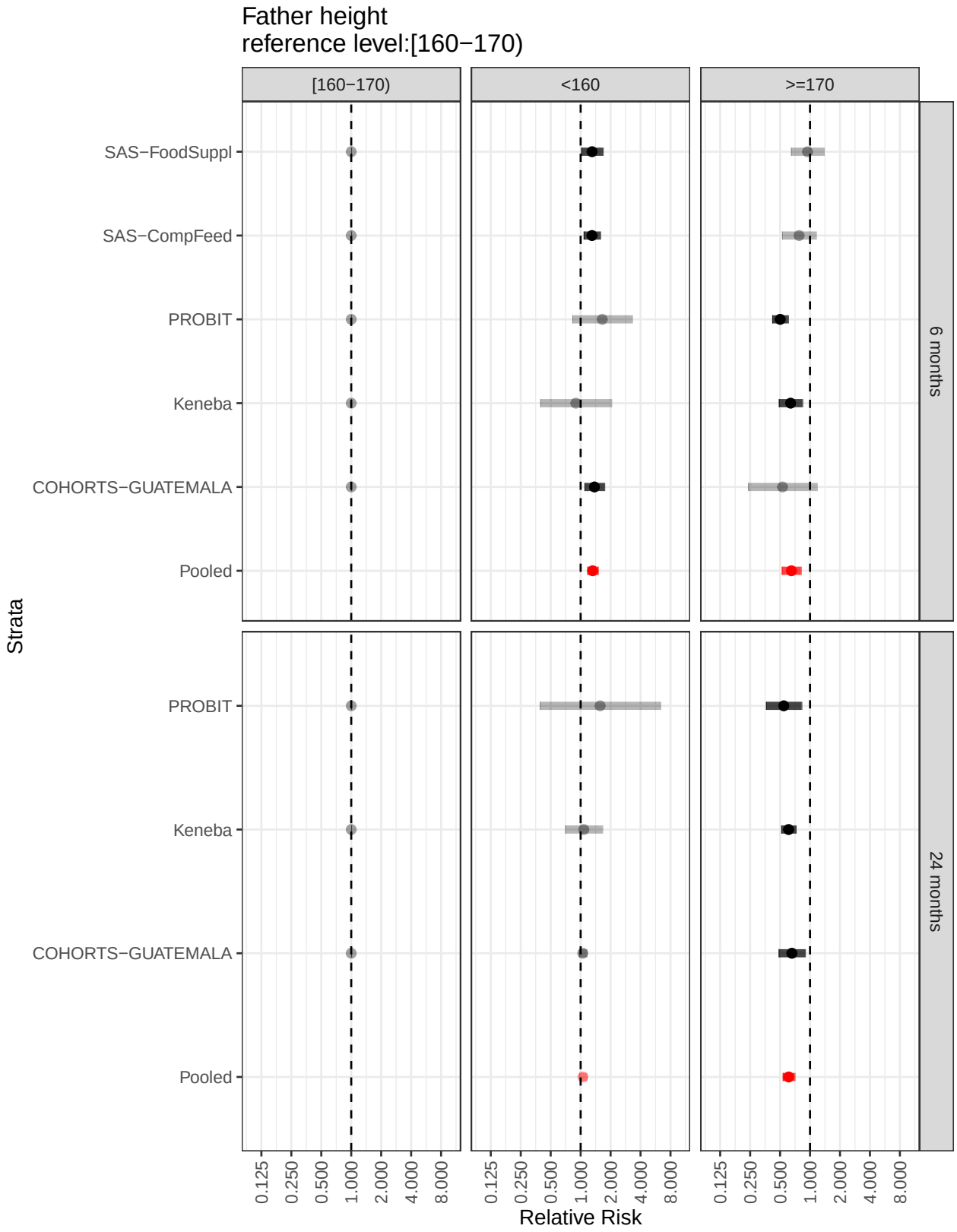

Maternal weight
reference level:>=57.5
[42.5−50)
[50−57.5)
<42.5
>=57.5
Birth
6 months
24 months
Strata
ZVITAMBO
MAL−ED−BANGLADESH
Pooled
SAS−CompFeed
PROVIDE
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−INDIA
LCNI−5
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

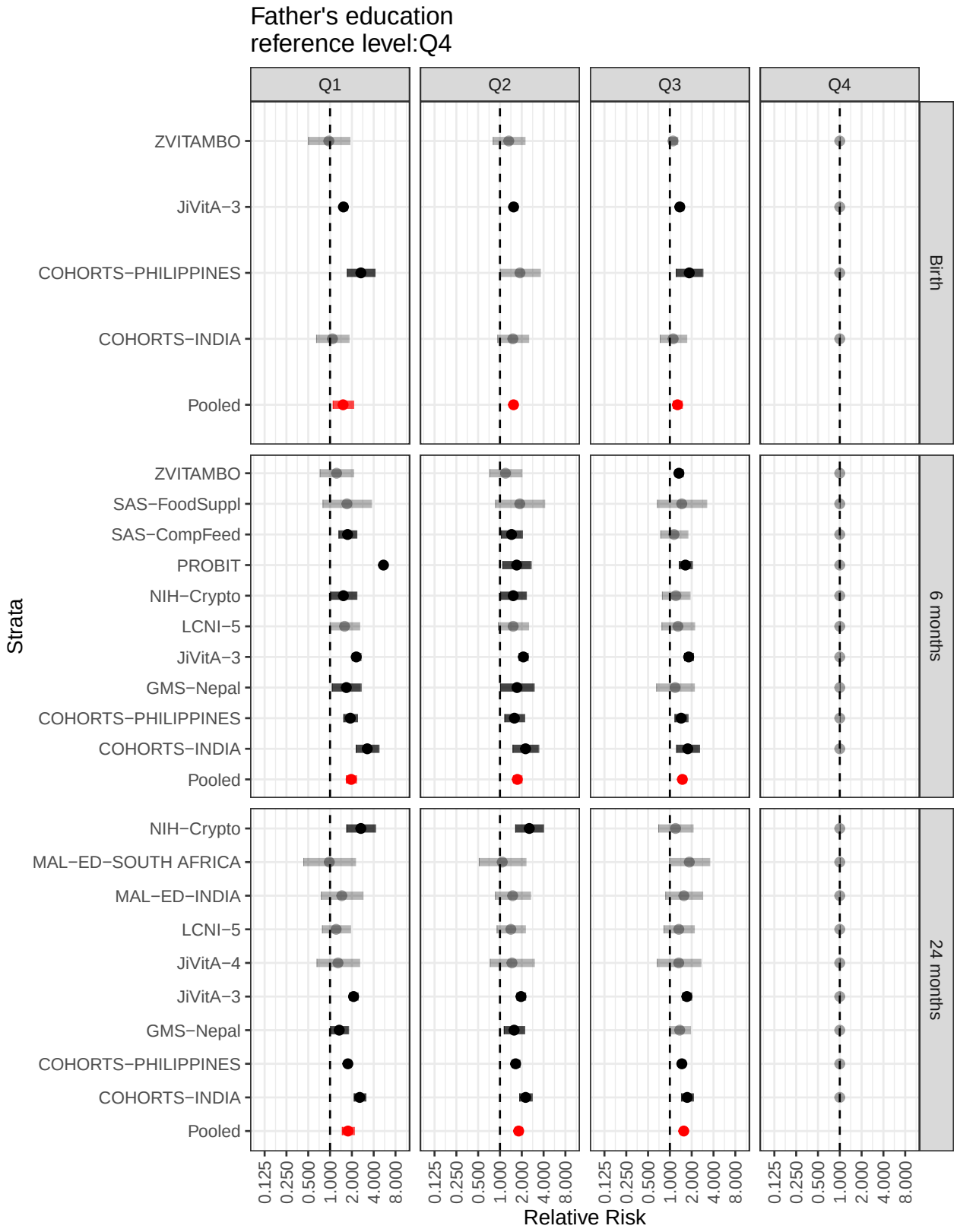

Mother is unmarried
reference level:0
0
1
Birth
6 months
24 months
Strata
ZVITAMBO
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−BRAZIL
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
Pooled
TanzaniaChild2
PROBIT
Guatemala BSC
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk


Mother's education
reference level:Q4
Q1
Q2
Q3
Q4
Birth
6 months
24 months
Strata
ZVITAMBO
MAL−ED−PERU
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
Pooled
SAS−CompFeed
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−INDIA
JiVitA−4
Guatemala BSC
GMS−Nepal
CMC−V−BCS−2002
MAL−ED−BANGLADESH
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

Paternal characteristics



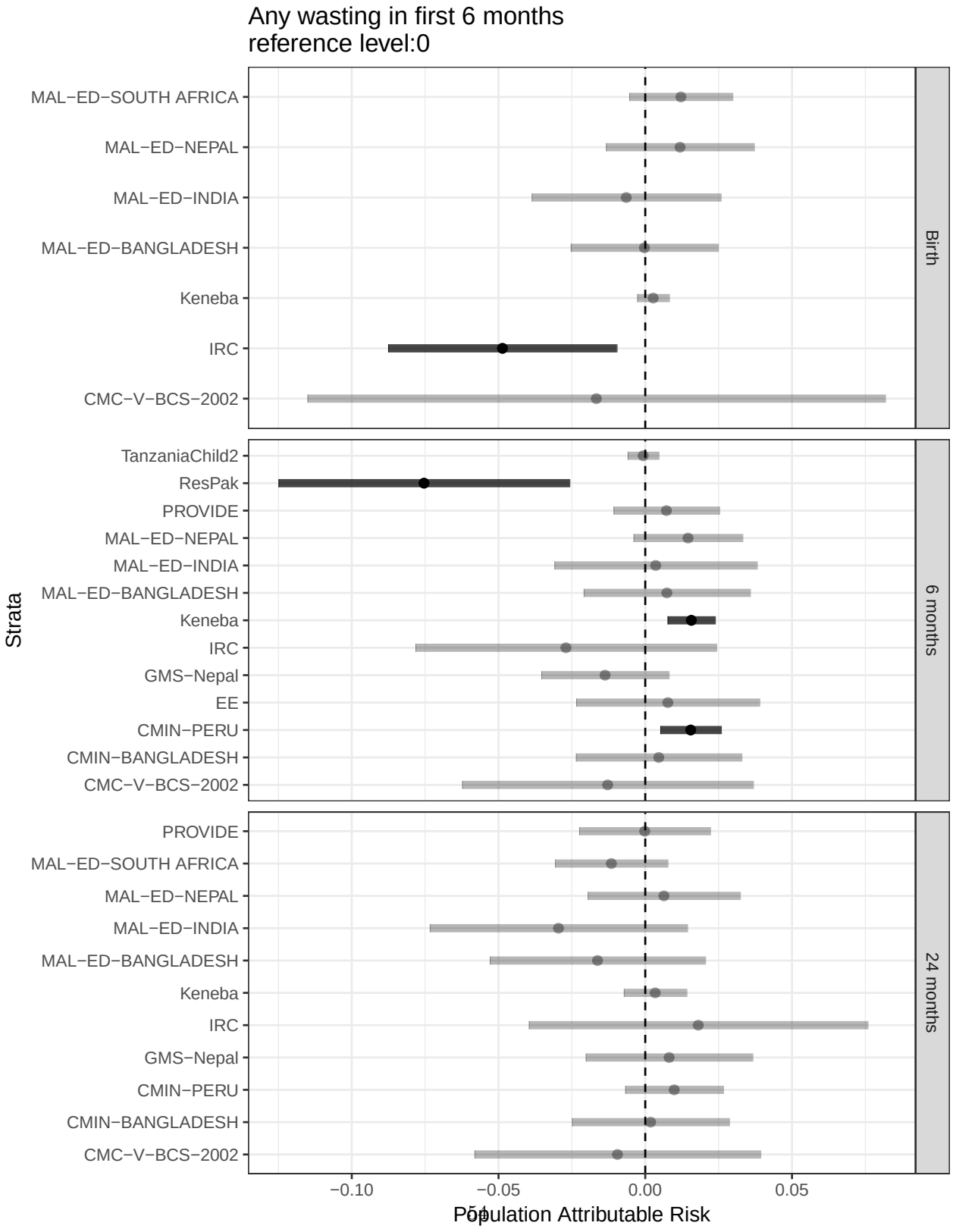

Father height
reference level:[160−170)
[160−170)
<160
>=170
SAS−FoodSuppl
SAS−CompFeed
PROBIT
Keneba
COHORTS−GUATEMALA
Pooled
6 months
PROBIT
Keneba
COHORTS−GUATEMALA
Pooled
24 months
Strata
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

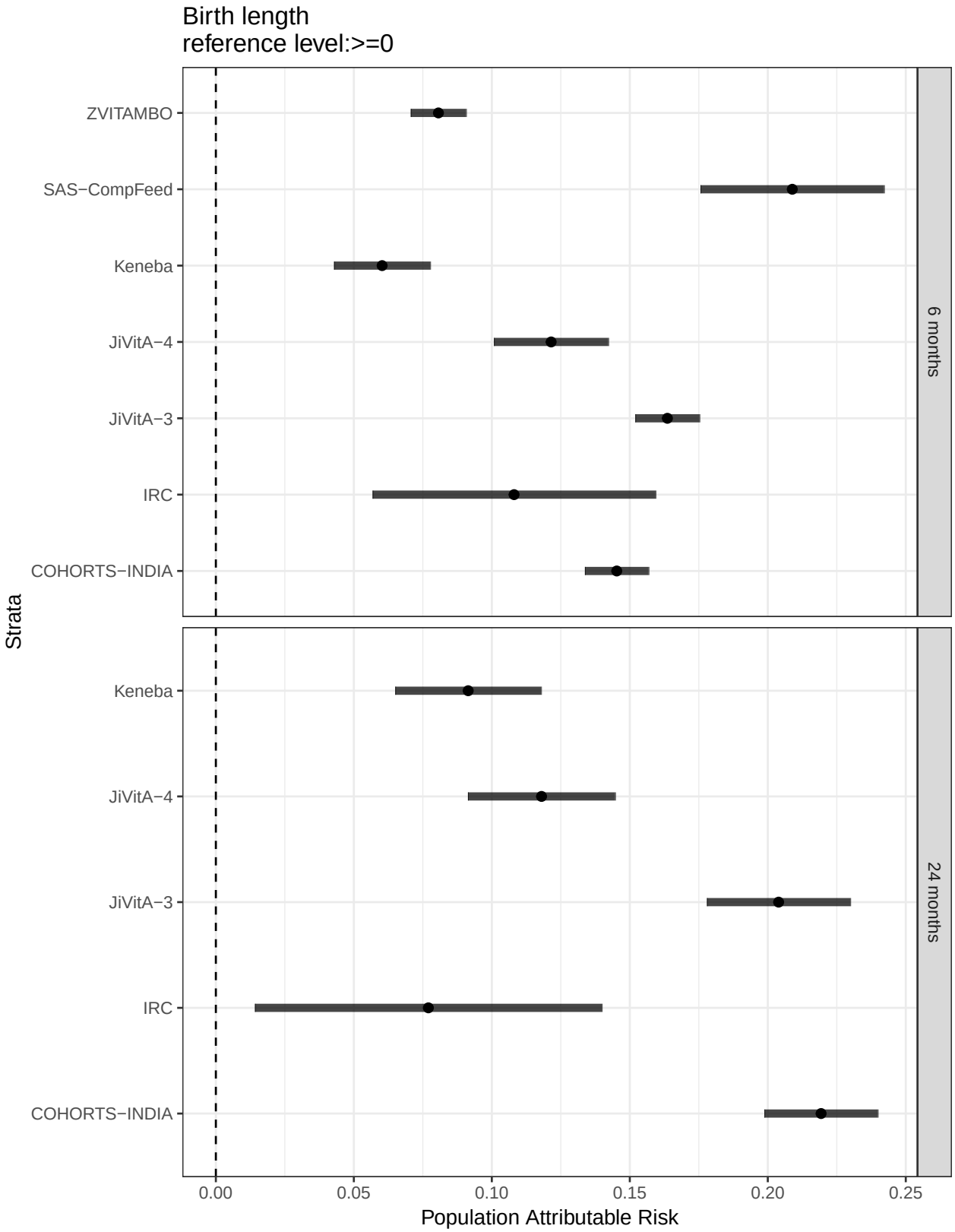

Father's education
reference level:Q4
Q1
Q2
Q3
Q4
Birth
6 months
24 months
Strata
ZVITAMBO
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
Pooled
SAS−FoodSuppl
SAS−CompFeed
PROBIT
NIH−Crypto
LCNI−5
GMS−Nepal
MAL−ED−SOUTH AFRICA
MAL−ED−INDIA
JiVitA−4
0.125
0.250
0.500
1.000
2.000
4.000
8.000
Relative Risk

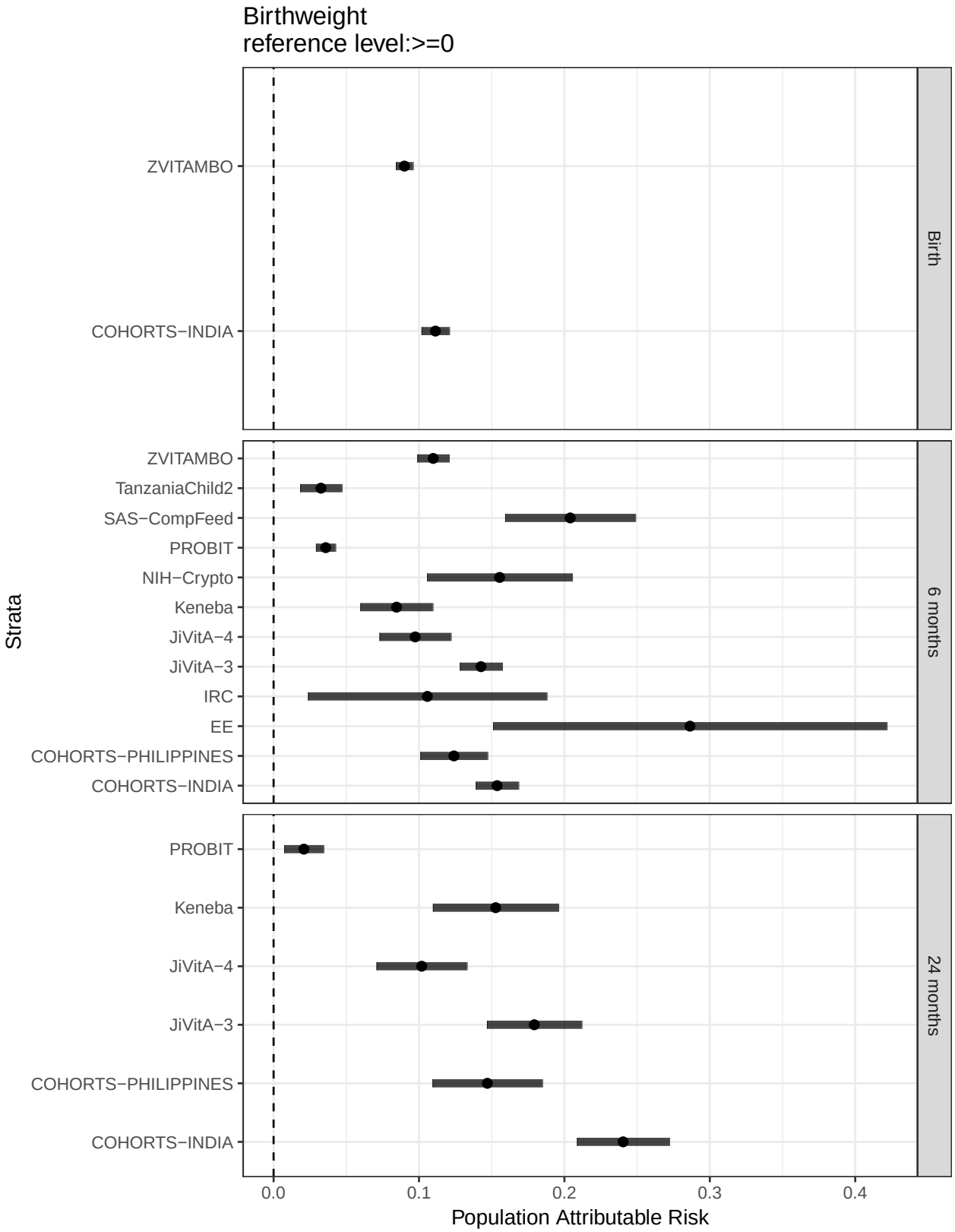
Appendix 2 - Population Attributable Risk stratified by cohort

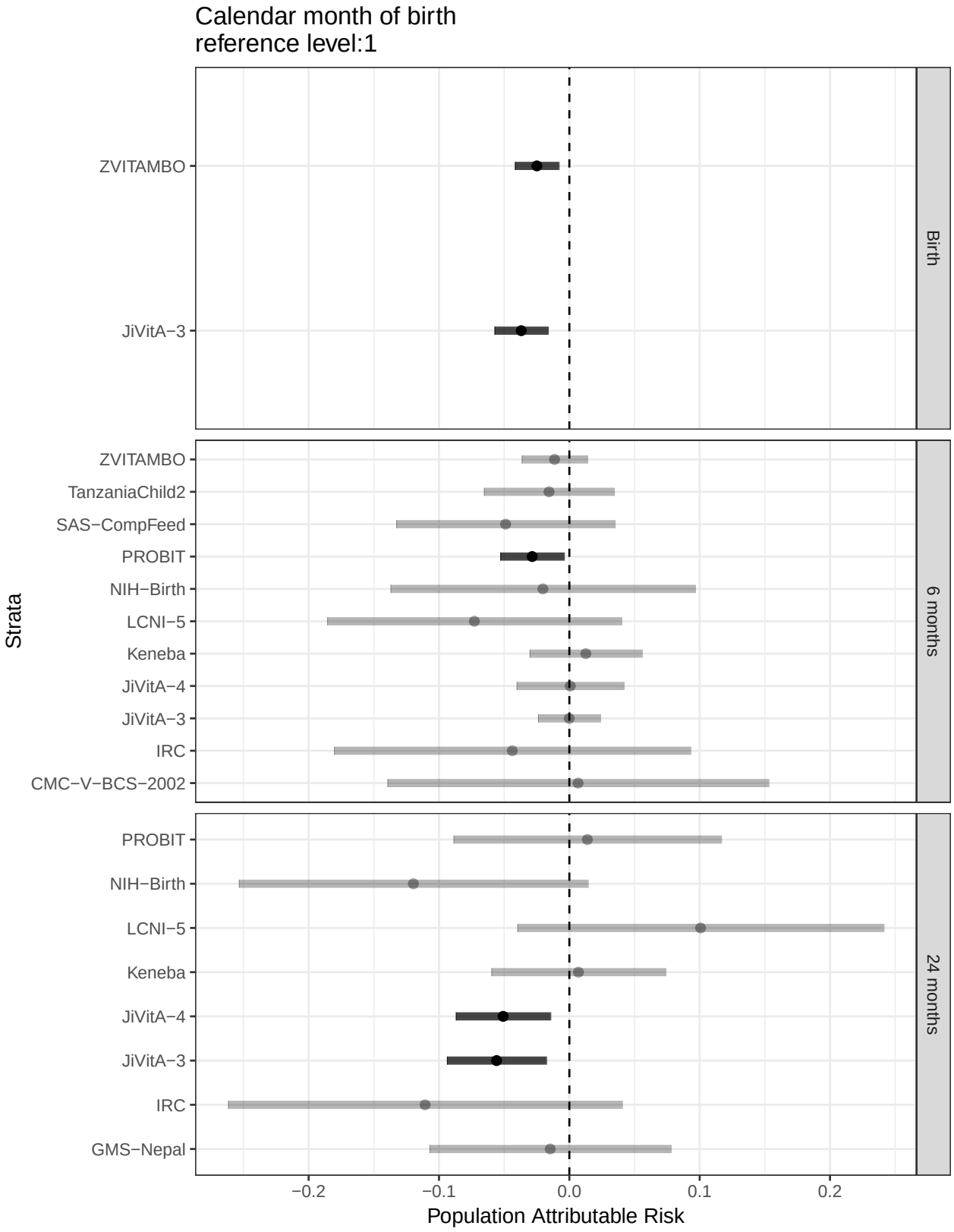
Point prevalence of stunting

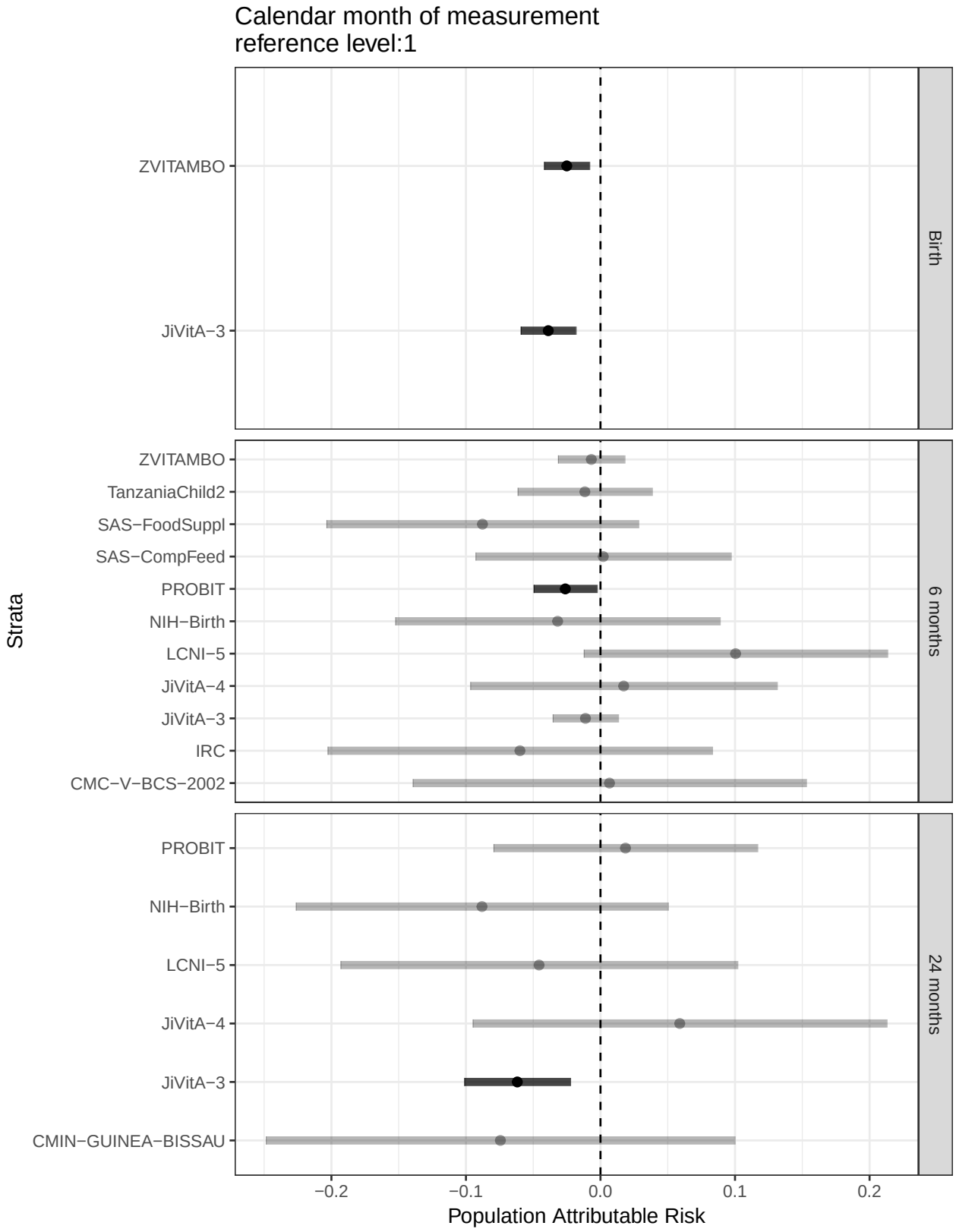
Child characteristics

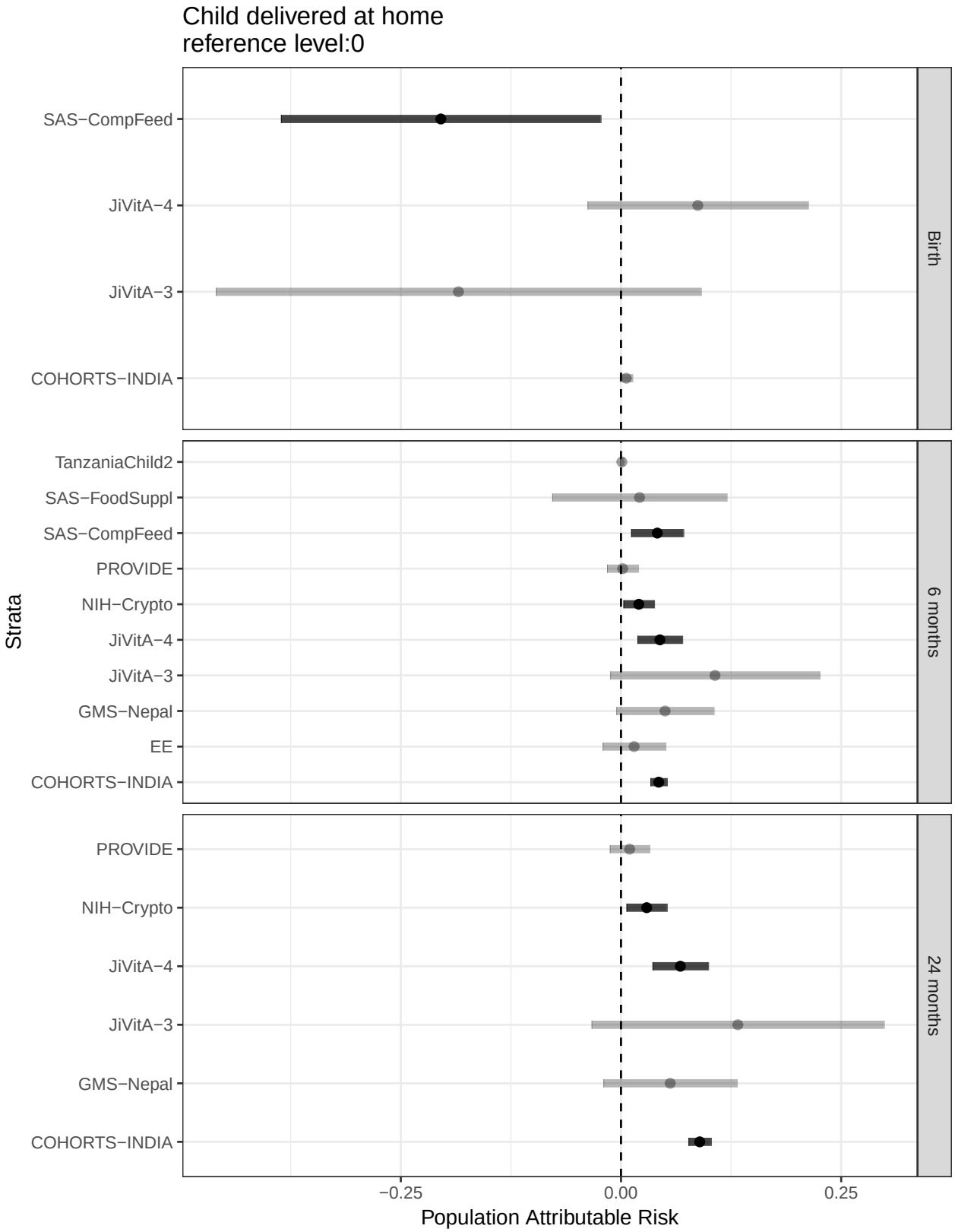


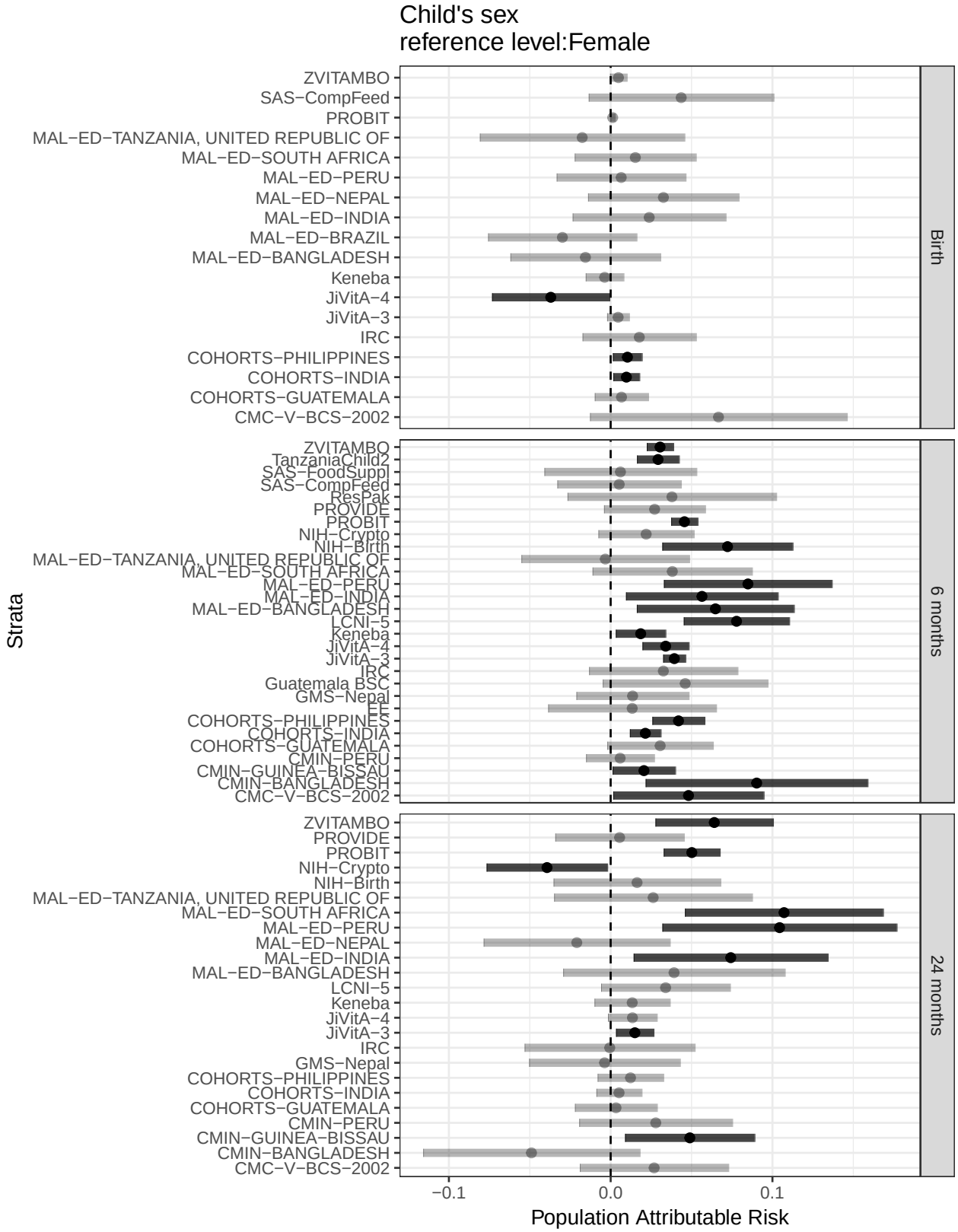

Birth length
reference level:>=0
ZVITAMBO
SAS−CompFeed
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−INDIA
6 months
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−INDIA
24 months
Strata
0.00
0.05
0.10
0.15
0.20
0.25
Population Attributable Risk

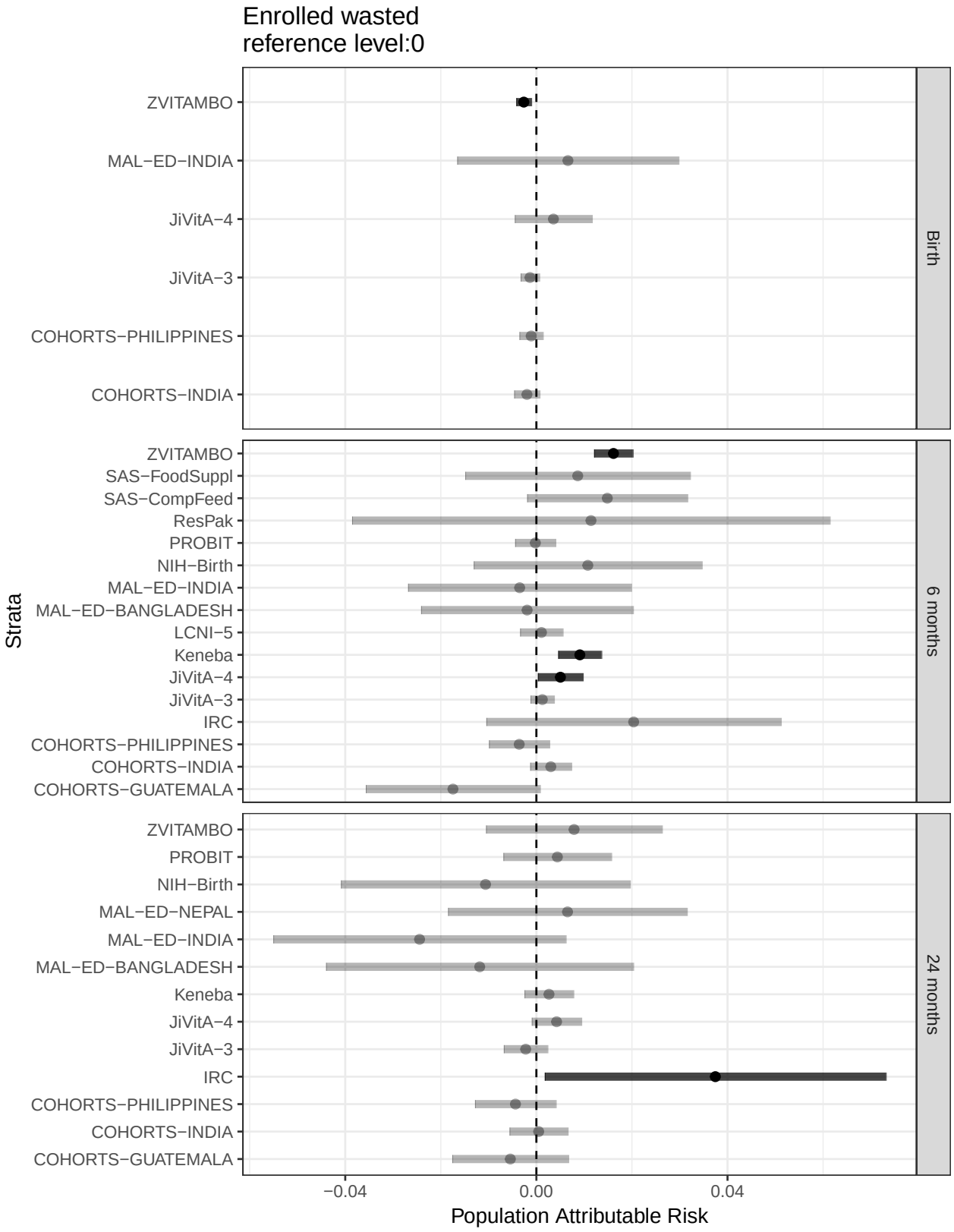

Birthweight
reference level:>=0
Strata
ZVITAMBO
COHORTS−INDIA
Birth
ZVITAMBO
TanzaniaChild2
SAS−CompFeed
PROBIT
NIH−Crypto
Keneba
JiVitA−4
JiVitA−3
IRC
EE
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
PROBIT
Keneba
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
24 months
0.0
0.1
0.2
0.3
0.4
Population Attributable Risk

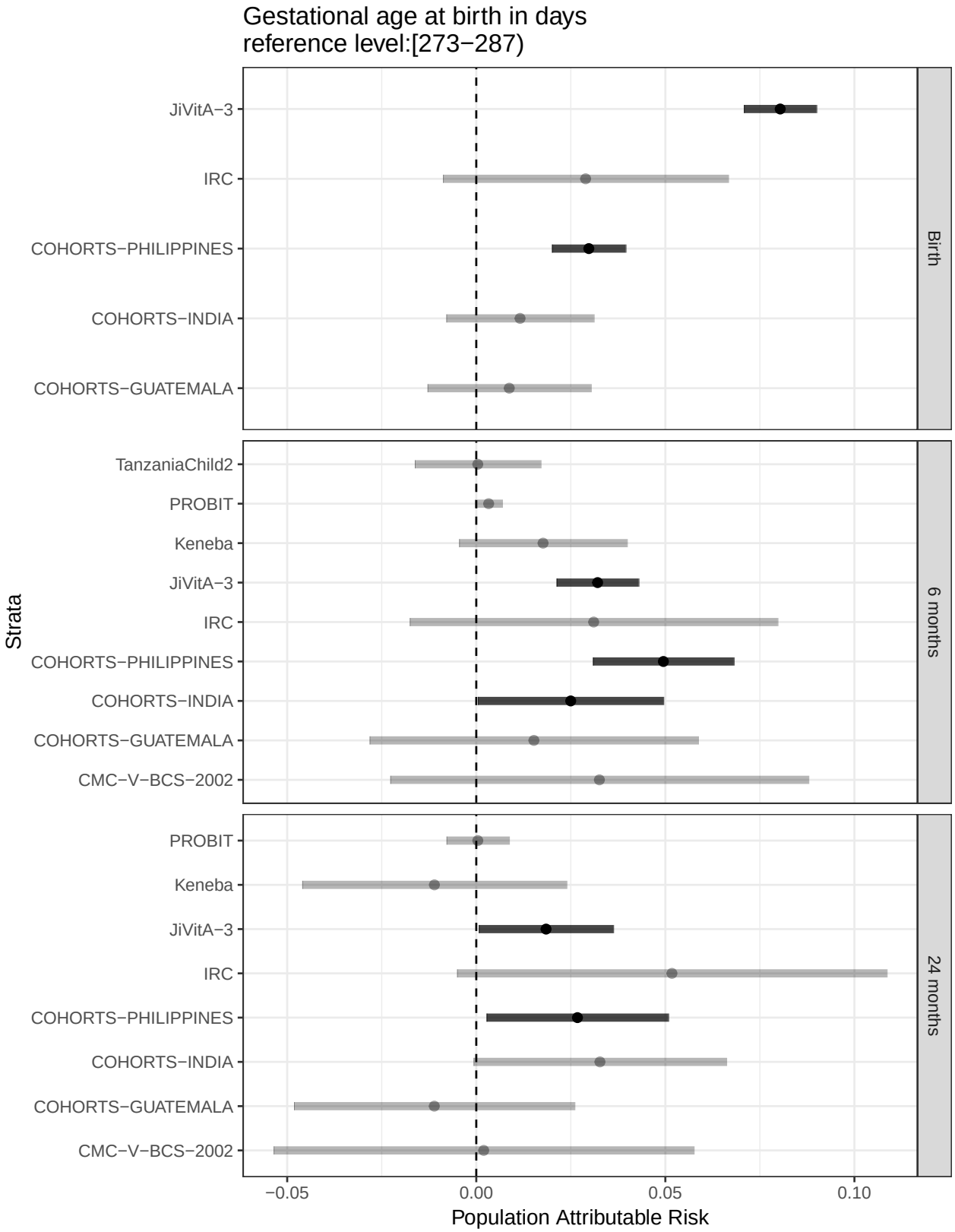

Calendar month of birth
reference level:1
Strata
Birth
ZVITAMBO
JiVitA−3
6 months
ZVITAMBO
TanzaniaChild2
SAS−CompFeed
PROBIT
NIH−Birth
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
24 months
PROBIT
NIH−Birth
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
GMS−Nepal
−0.2
−0.1
0.0
0.1
0.2
Population Attributable Risk

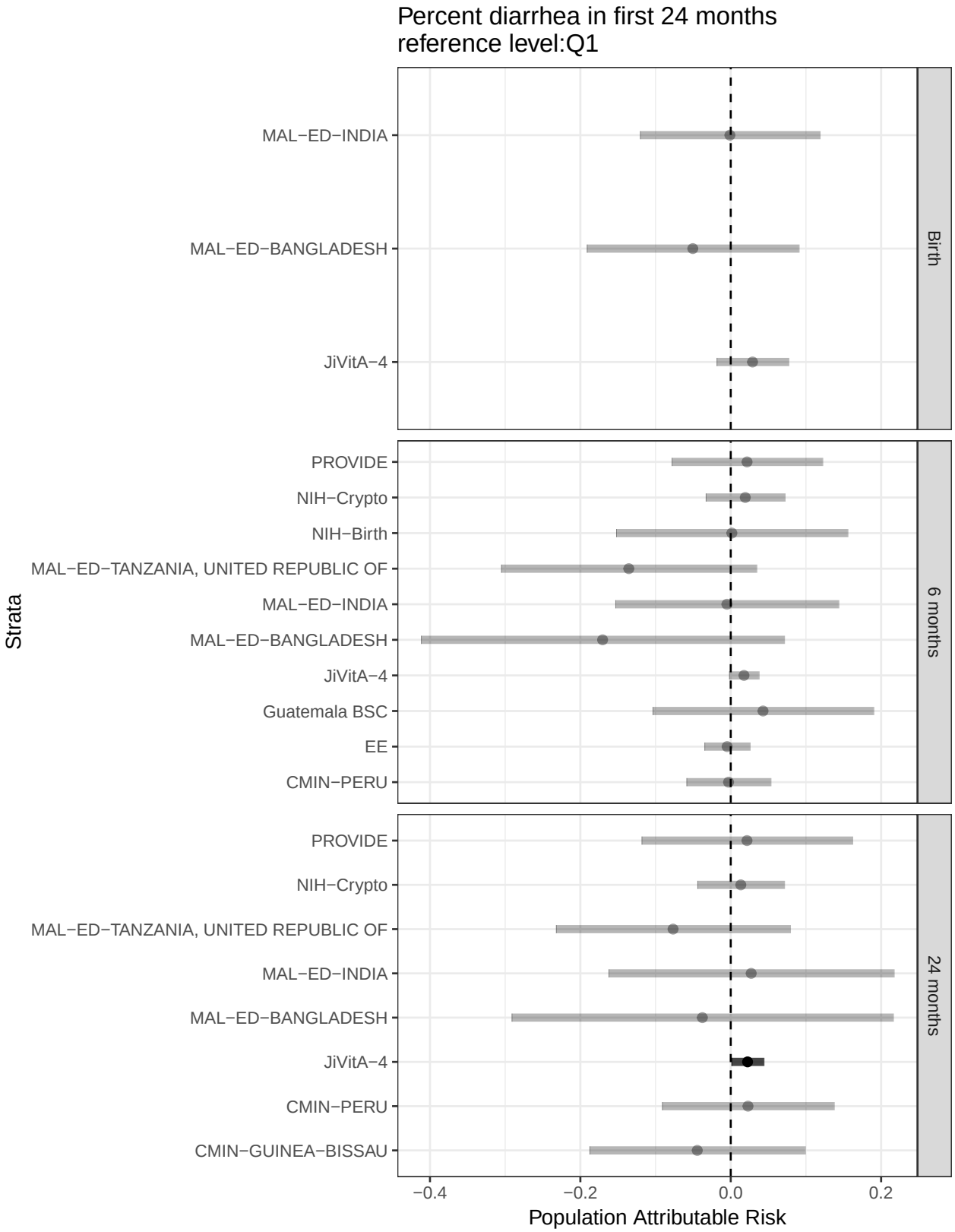

Calendar month of measurement
reference level:1
Strata
ZVITAMBO
JiVitA−3
Birth
ZVITAMBO
TanzaniaChild2
SAS−FoodSuppl
SAS−CompFeed
PROBIT
NIH−Birth
LCNI−5
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
6 months
PROBIT
NIH−Birth
LCNI−5
JiVitA−4
JiVitA−3
CMIN−GUINEA−BISSAU
24 months
−0.2
−0.1
0.0
0.1
0.2
Population Attributable Risk


Child delivered at home
reference level:0
Strata
SAS−CompFeed
JiVitA−4
JiVitA−3
COHORTS−INDIA
Birth
TanzaniaChild2
SAS−FoodSuppl
SAS−CompFeed
PROVIDE
NIH−Crypto
JiVitA−4
JiVitA−3
GMS−Nepal
EE
COHORTS−INDIA
6 months
PROVIDE
NIH−Crypto
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−INDIA
24 months
−0.25
0.00
0.25
Population Attributable Risk

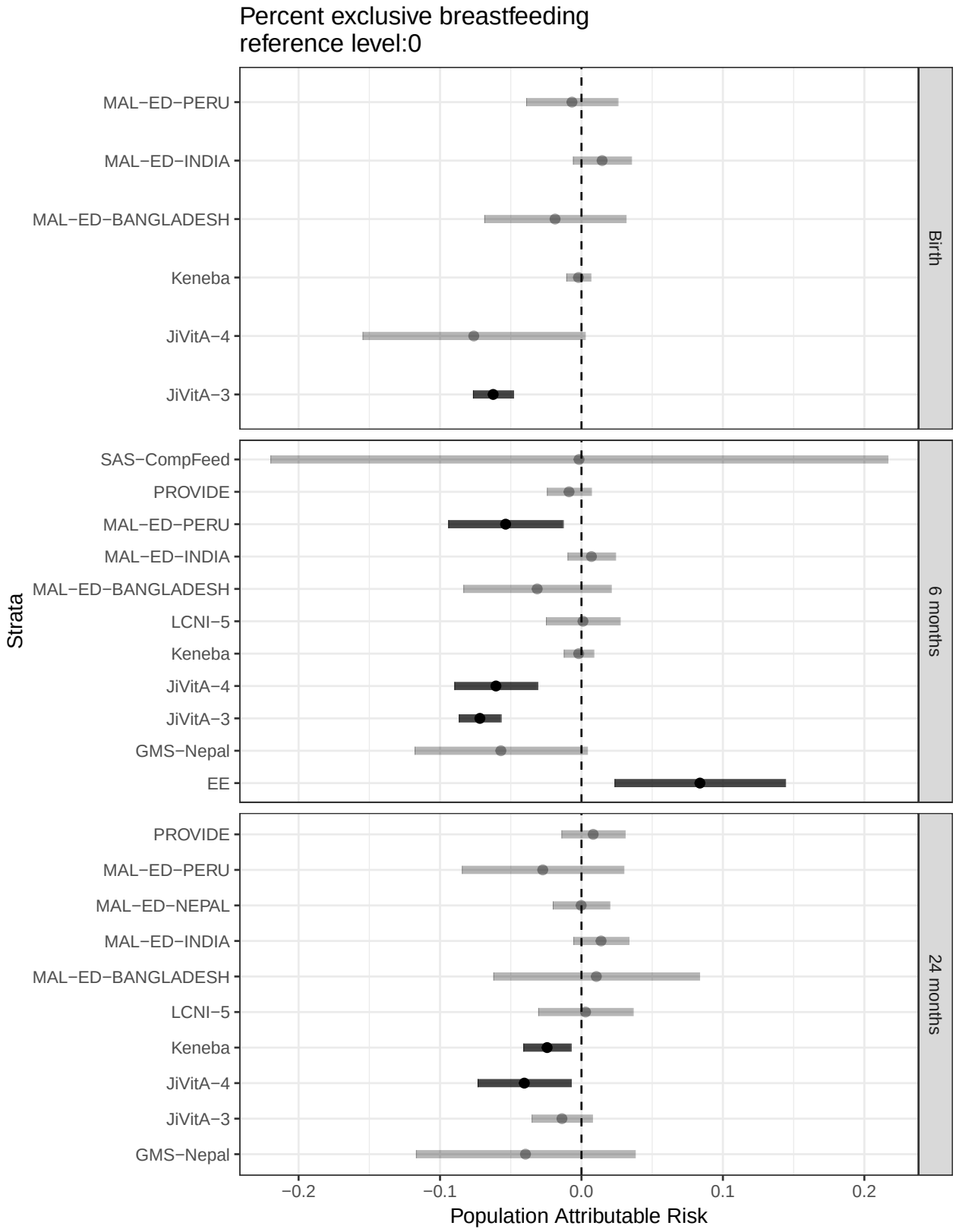

Child's sex
reference level:Female
Strata
Birth
6 months
24 months
ZVITAMBO
SAS−CompFeed
PROBIT
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BRAZIL
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
TanzaniaChild2
SAS−FoodSuppl
ResPak
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
Guatemala BSC
GMS−Nepal
EE
CMIN−PERU
CMIN−GUINEA−BISSAU
CMIN−BANGLADESH
−0.1
0.0
0.1
Population Attributable Risk

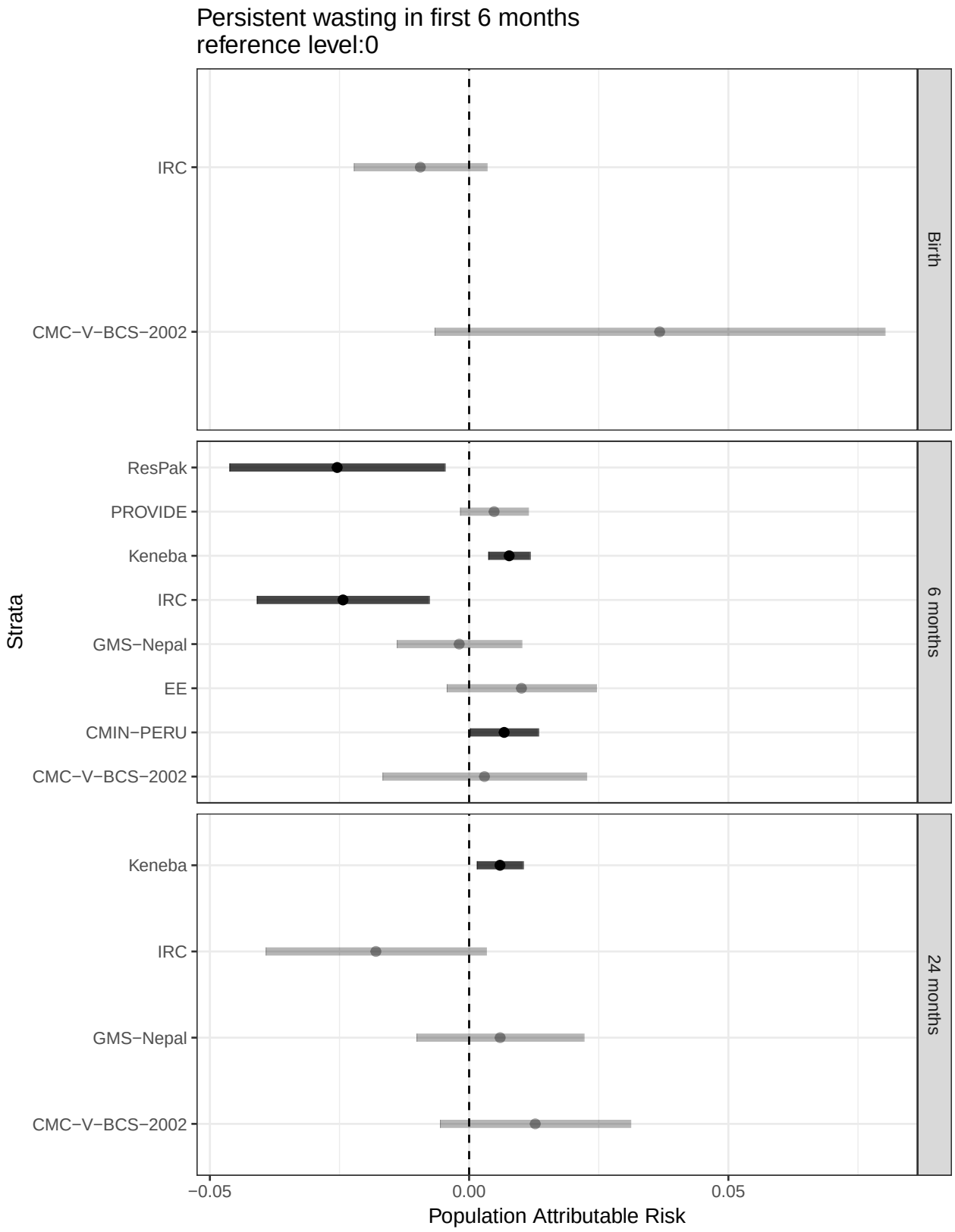

Enrolled wasted
reference level:0
Strata
Birth
ZVITAMBO
MAL−ED−INDIA
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
ZVITAMBO
SAS−FoodSuppl
SAS−CompFeed
ResPak
PROBIT
NIH−Birth
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
24 months
ZVITAMBO
PROBIT
NIH−Birth
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
−0.04
0.00
0.04
Population Attributable Risk

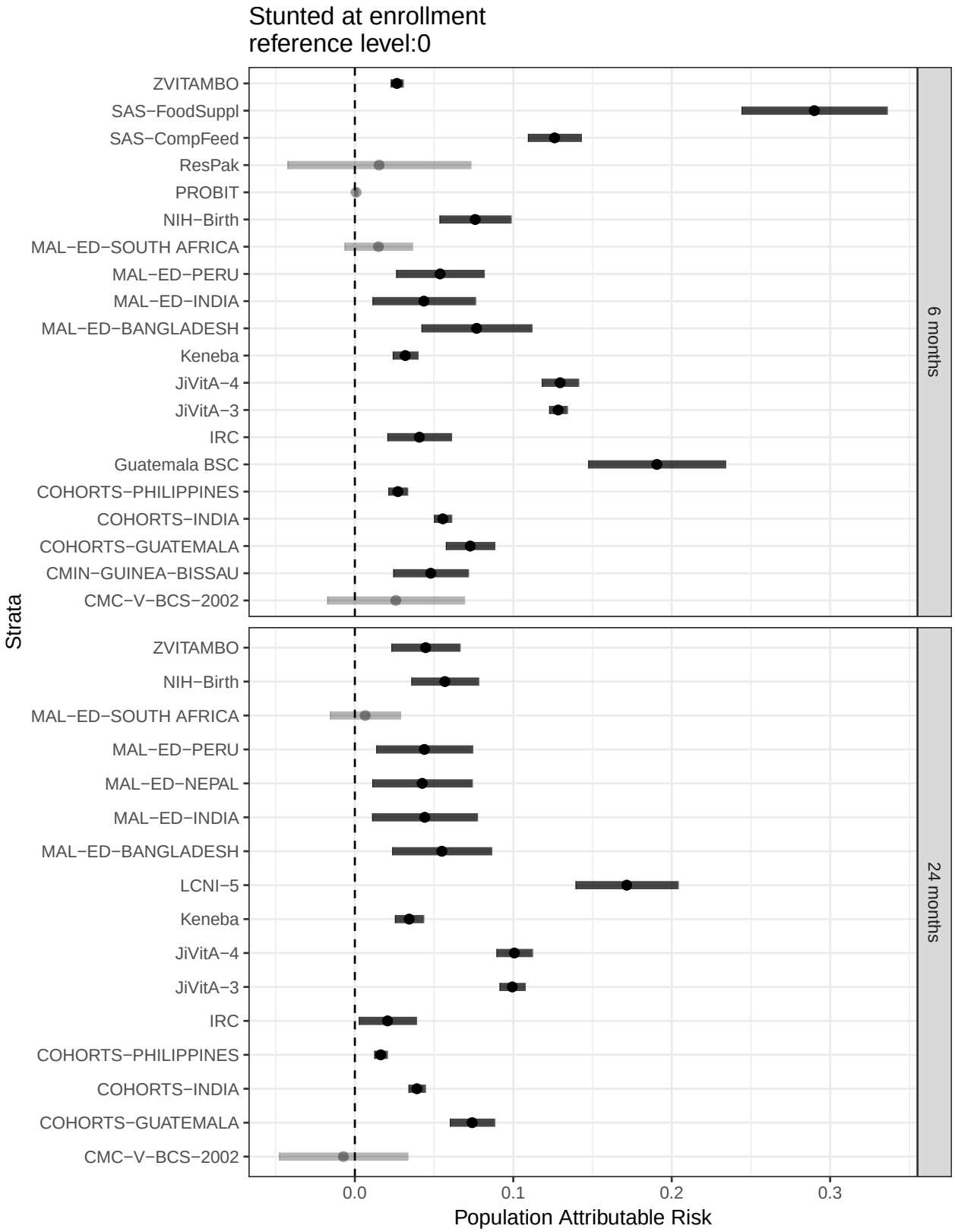

Gestational age at birth in days
reference level:[273−287)
Strata
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
Birth
TanzaniaChild2
PROBIT
Keneba
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
6 months
PROBIT
Keneba
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
24 months
−0.05
0.00
0.05
0.10
Population Attributable Risk

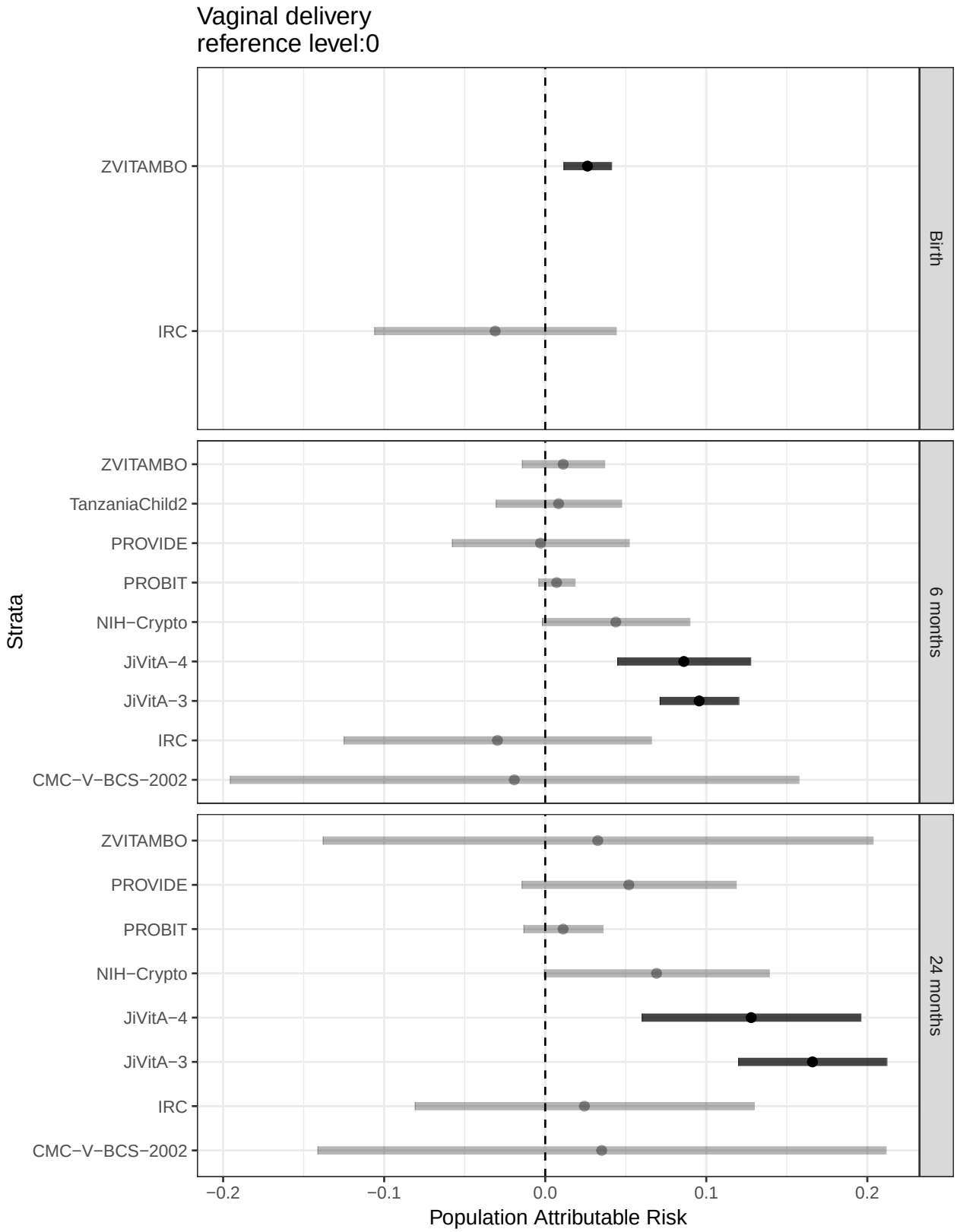

Percent diarrhea in first 24 months
reference level:Q1
Strata
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
Guatemala BSC
EE
CMIN−PERU
PROVIDE
NIH−Crypto
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
CMIN−PERU
CMIN−GUINEA−BISSAU
Birth
6 months
24 months
−0.4
−0.2
0.0
0.2
Population Attributable Risk

Percent diarrhea in first 6 months
reference level:Q1
Strata
ResPak
6 months
−0.02
−0.01
0.00
0.01
Population Attributable Risk

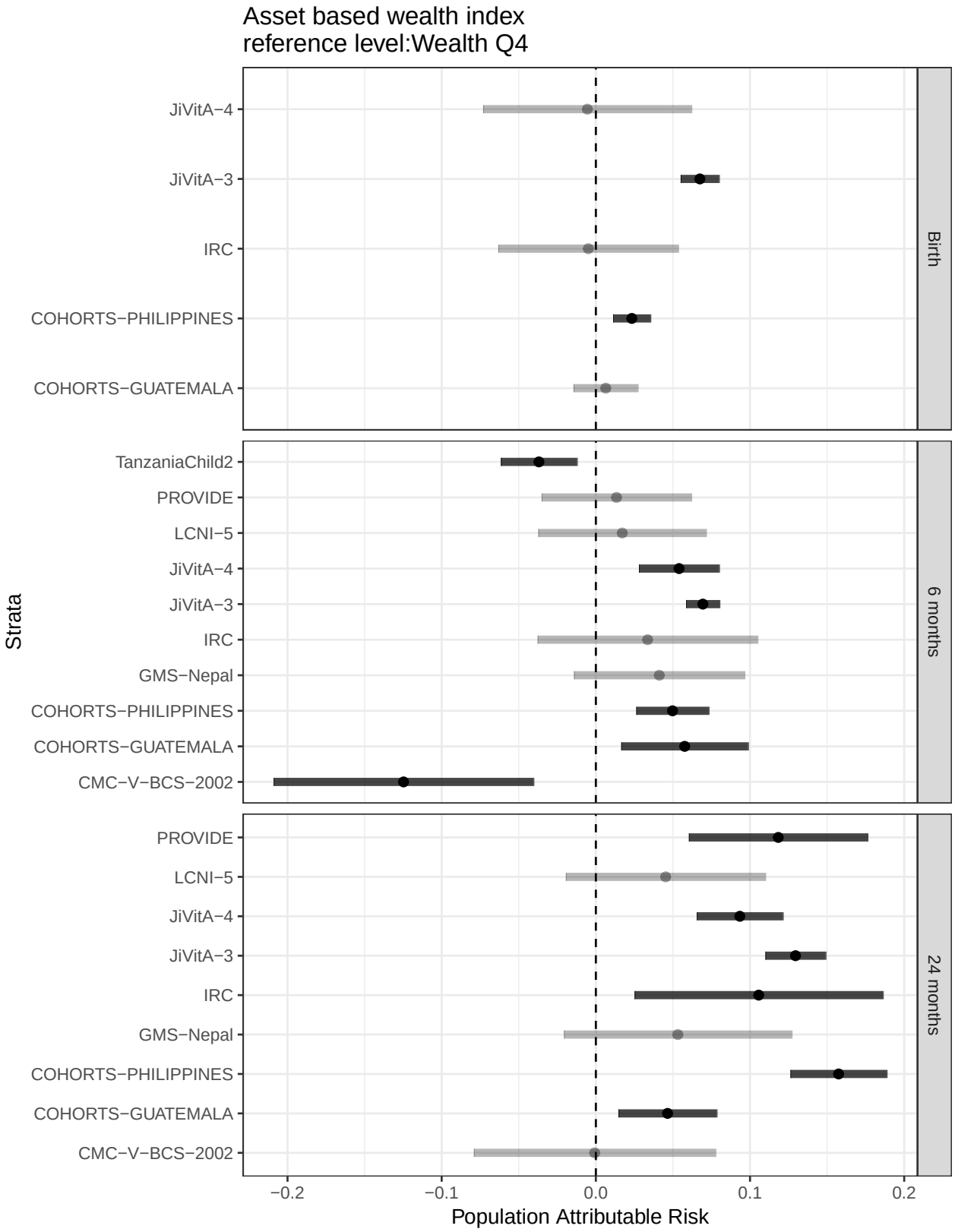

Percent exclusive breastfeeding
reference level:0
Strata
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
Birth
SAS−CompFeed
PROVIDE
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
GMS−Nepal
EE
6 months
PROVIDE
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
GMS−Nepal
24 months
−0.2
−0.1
0.0
0.1
0.2
Population Attributable Risk

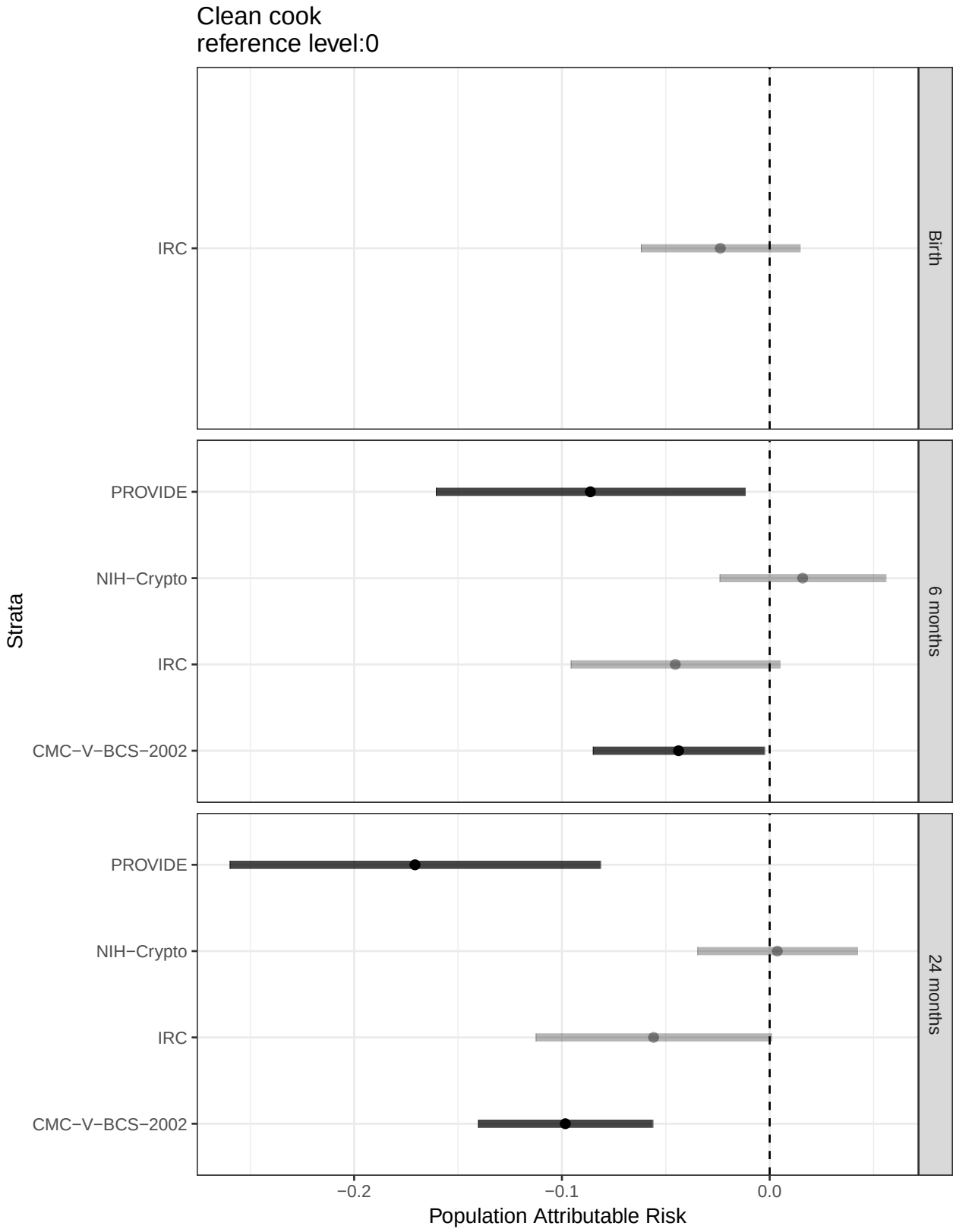

Persistent wasting in first 6 months
reference level:0
Strata
IRC
CMC−V−BCS−2002
Birth
ResPak
PROVIDE
Keneba
IRC
GMS−Nepal
EE
CMIN−PERU
CMC−V−BCS−2002
6 months
Keneba
IRC
GMS−Nepal
CMC−V−BCS−2002
24 months
−0.05
0.00
0.05
Population Attributable Risk

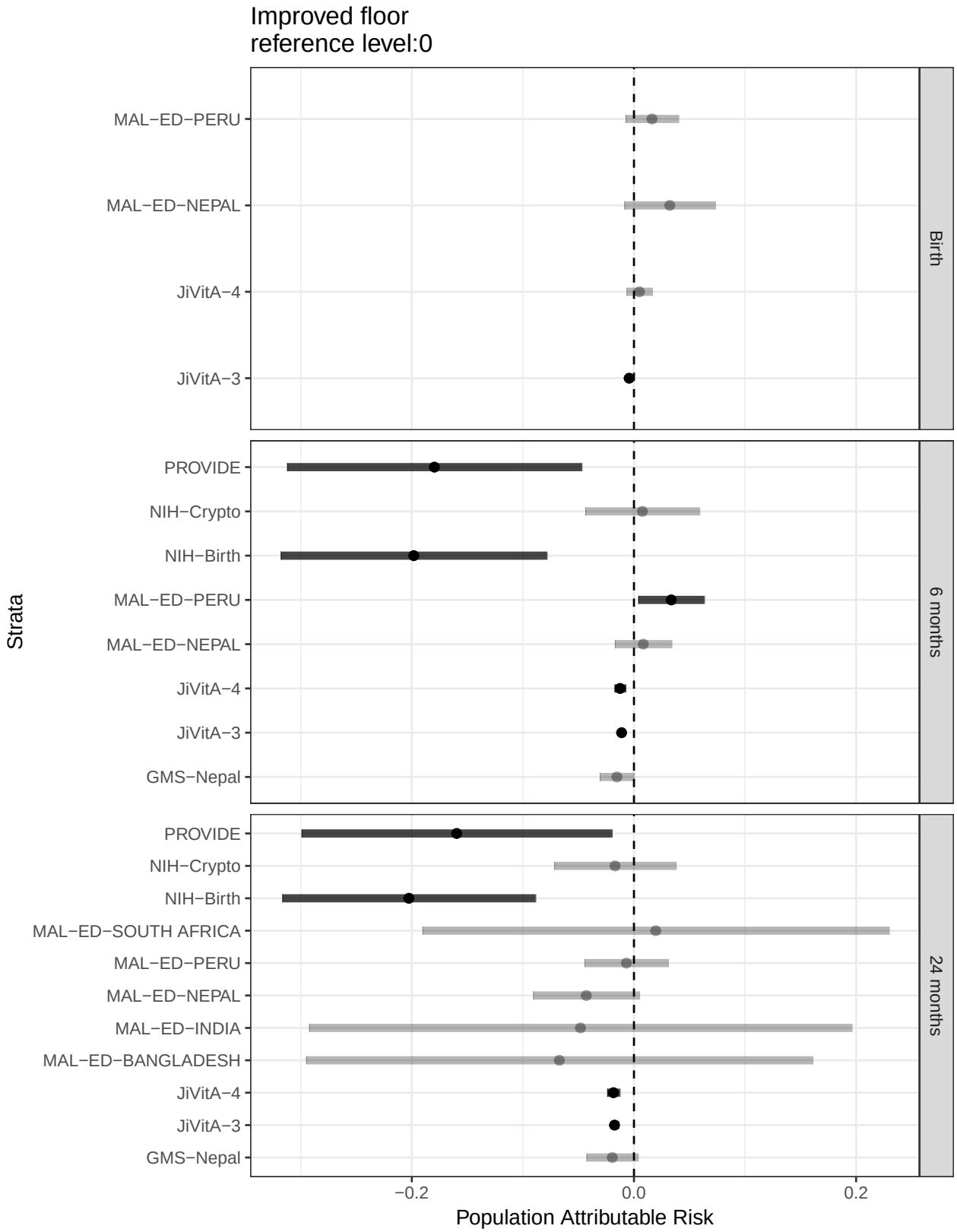

Stunted at enrollment
reference level:0
ZVITAMBO
SAS−FoodSuppl
SAS−CompFeed
ResPak
PROBIT
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
Guatemala BSC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMIN−GUINEA−BISSAU
CMC−V−BCS−2002
6 months
ZVITAMBO
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
24 months
Strata
0.0
0.1
0.2
0.3
Population Attributable Risk

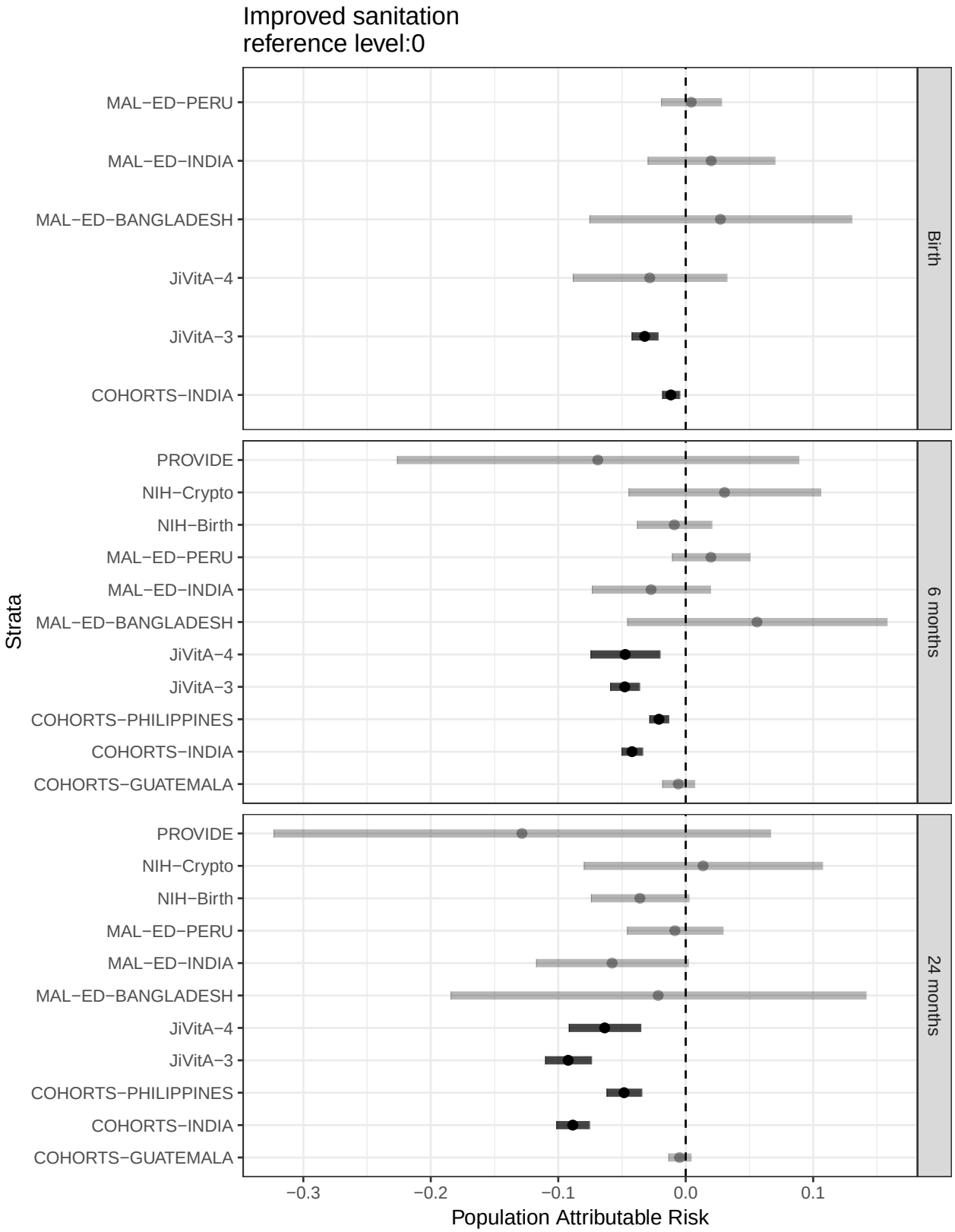

Vaginal delivery
reference level:0
Strata
ZVITAMBO
IRC
Birth
ZVITAMBO
TanzaniaChild2
PROVIDE
PROBIT
NIH−Crypto
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
6 months
ZVITAMBO
PROVIDE
PROBIT
NIH−Crypto
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
24 months
−0.2
−0.1
0.0
0.1
0.2
Population Attributable Risk

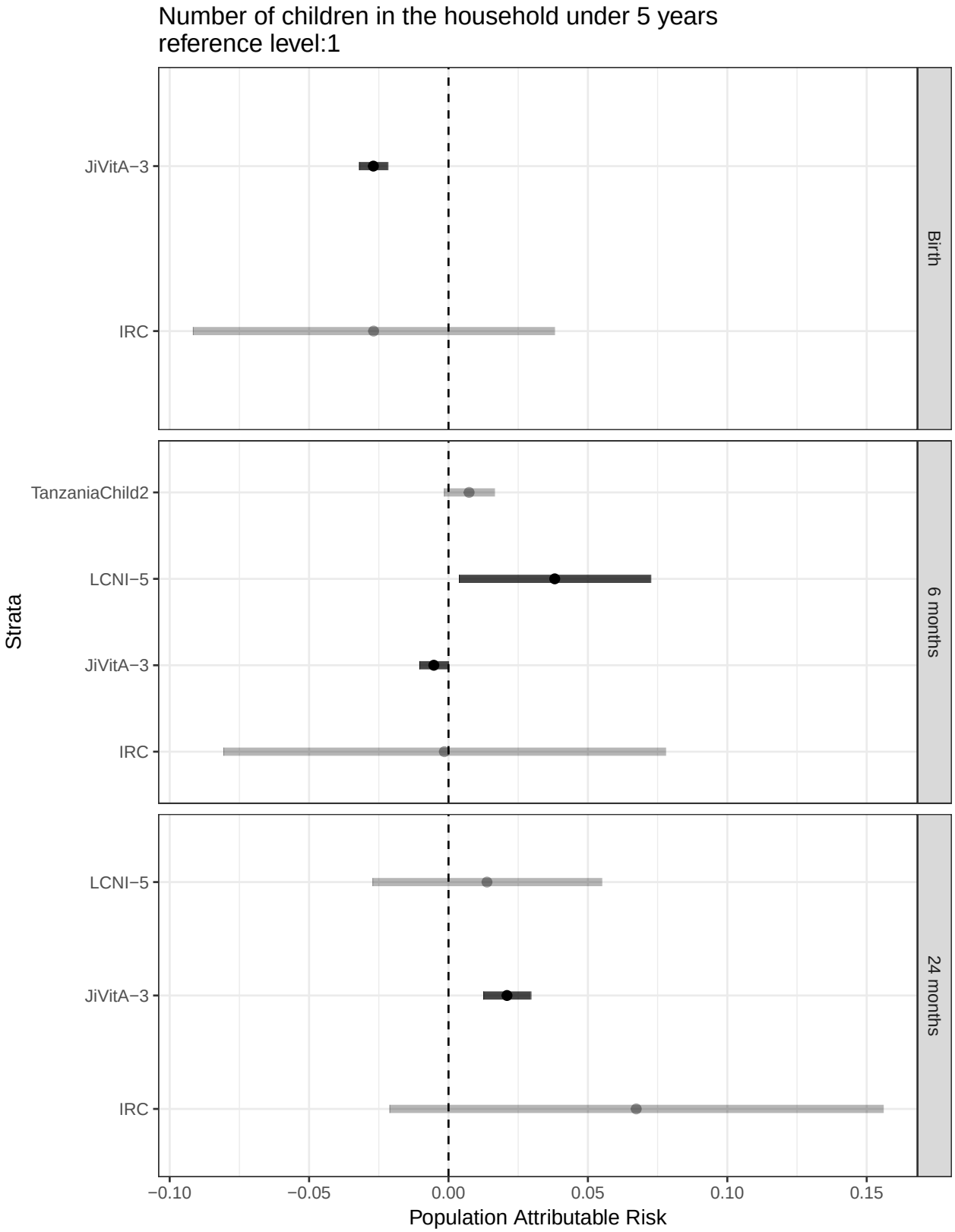
Household characteristics

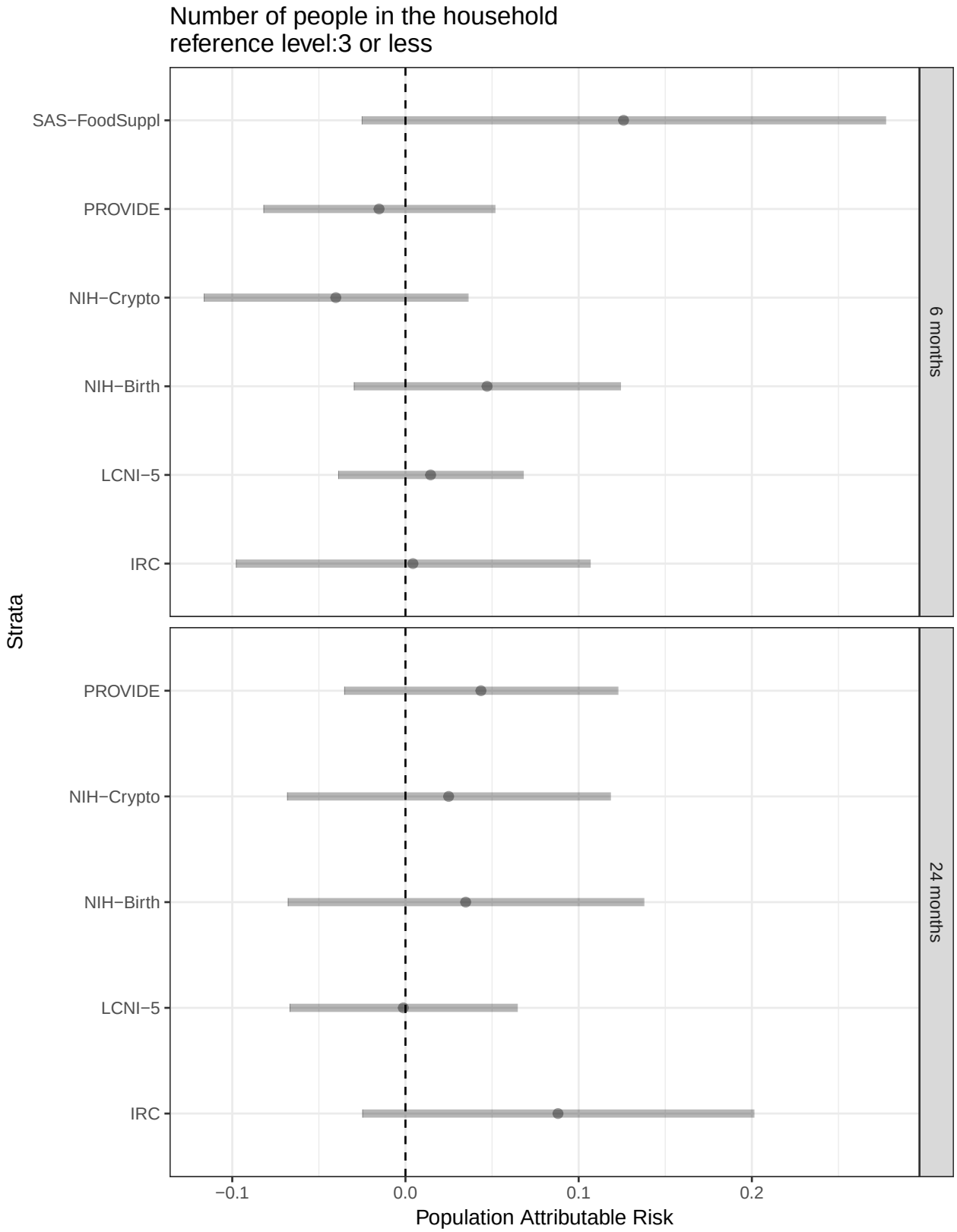


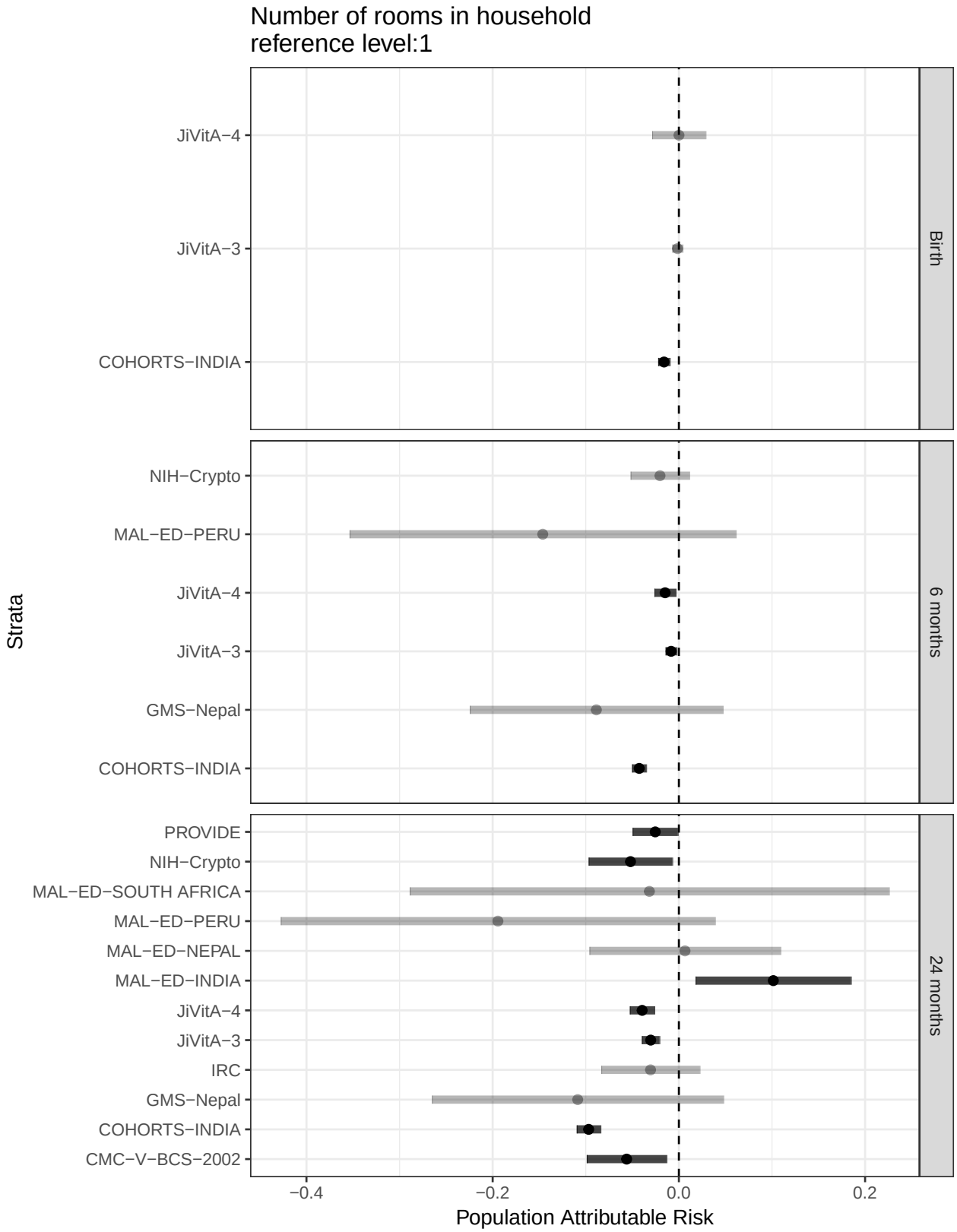

Clean cook
reference level:0
Birth
6 months
24 months
Strata
IRC
PROVIDE
NIH−Crypto
IRC
CMC−V−BCS−2002
PROVIDE
NIH−Crypto
IRC
CMC−V−BCS−2002
−0.2
−0.1
0.0
Population Attributable Risk

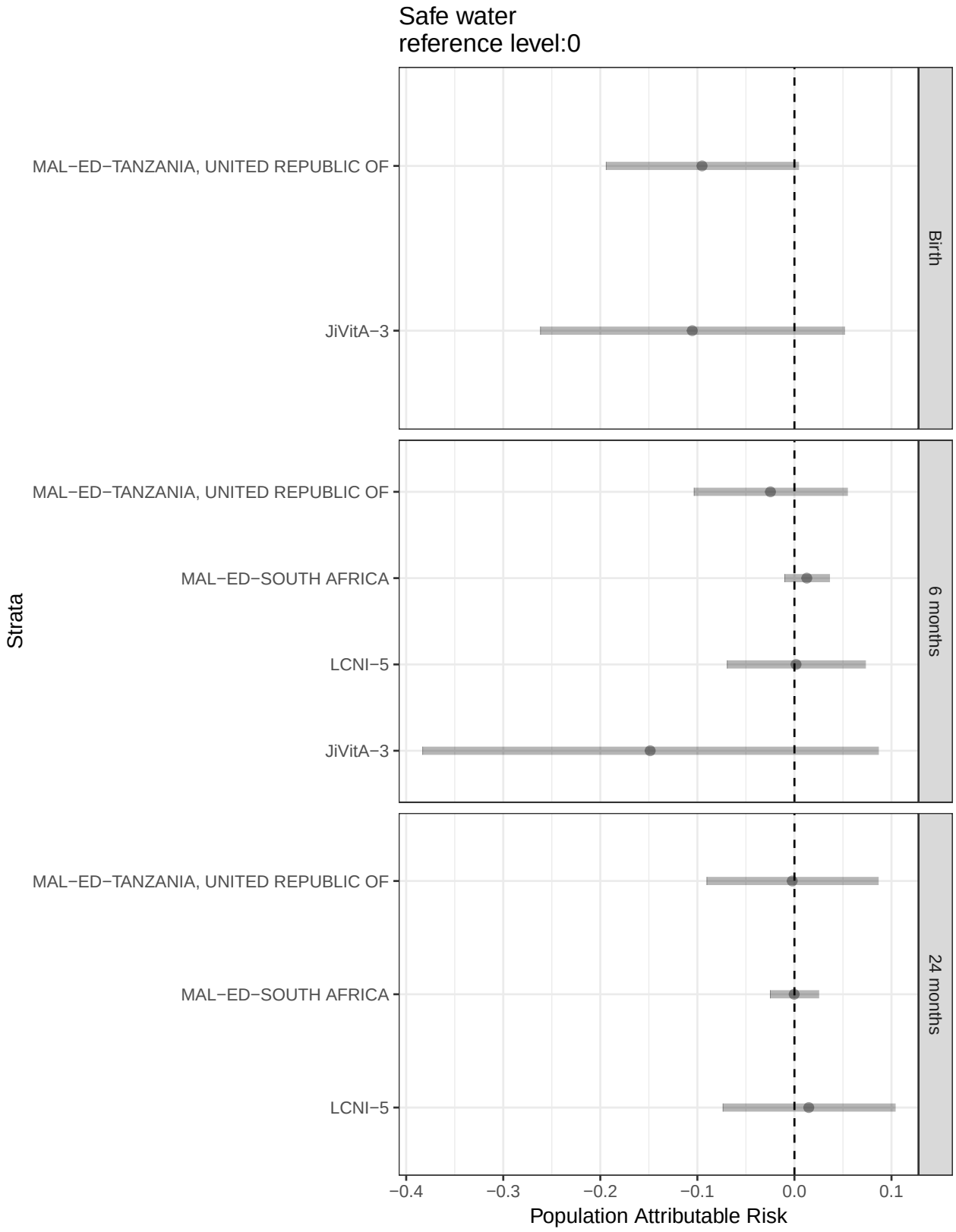

Improved floor
reference level:0
Strata
MAL−ED−PERU
MAL−ED−NEPAL
JiVitA−4
JiVitA−3
Birth
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−NEPAL
JiVitA−4
JiVitA−3
GMS−Nepal
6 months
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
GMS−Nepal
24 months
−0.2
0.0
0.2
Population Attributable Risk

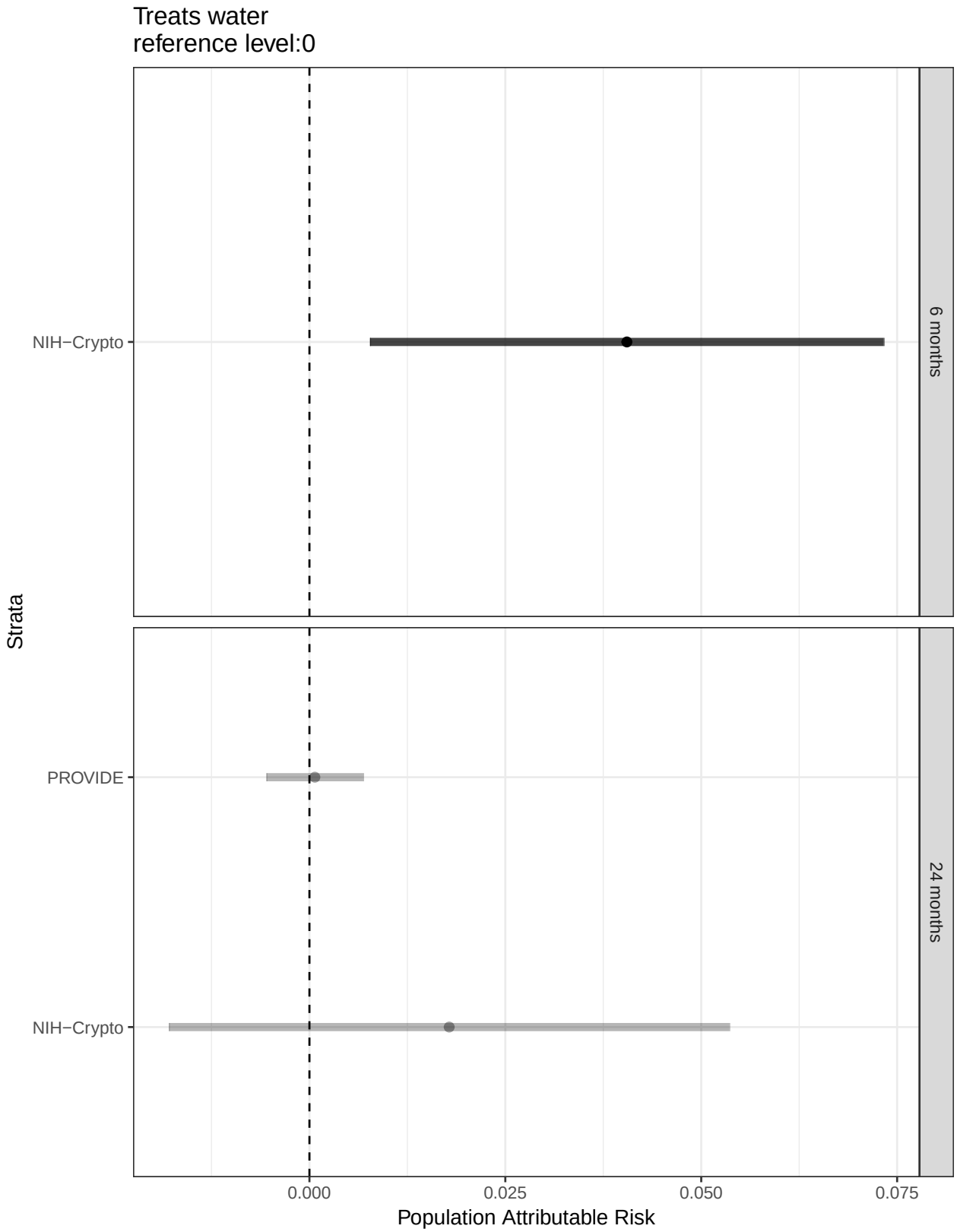

Improved sanitation
reference level:0
Strata
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
COHORTS−INDIA
Birth
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
6 months
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
24 months
−0.3
−0.2
−0.1
0.0
0.1
Population Attributable Risk

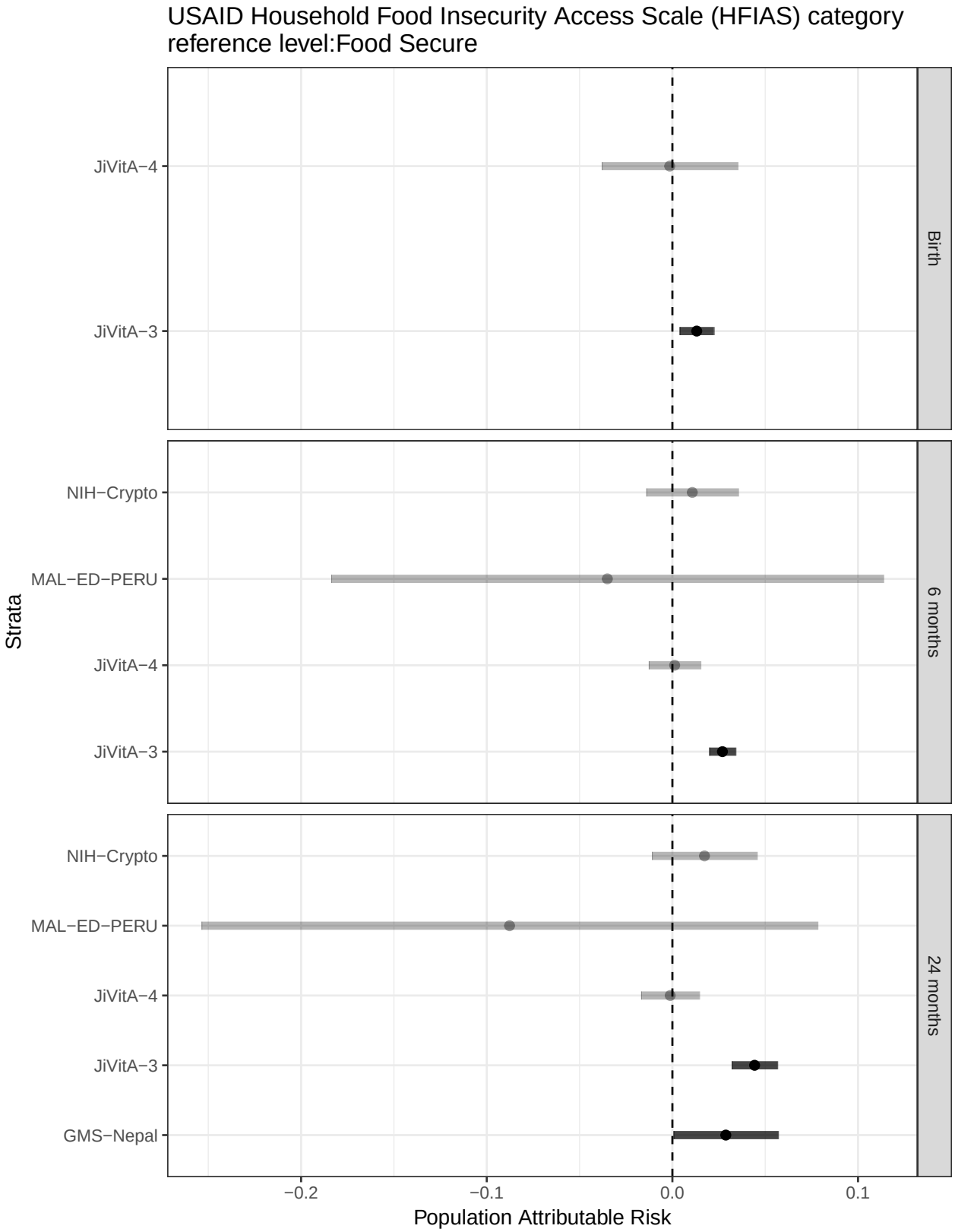

Number of children in the household under 5 years
reference level:1
Strata
JiVitA−3
IRC
Birth
TanzaniaChild2
LCNI−5
JiVitA−3
IRC
6 months
LCNI−5
JiVitA−3
IRC
24 months
−0.10
−0.05
0.00
0.05
0.10
0.15
Population Attributable Risk


Number of people in the household
reference level:3 or less
Strata
SAS−FoodSuppl
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
IRC
6 months
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
IRC
24 months
−0.1
0.0
0.1
0.2
Population Attributable Risk

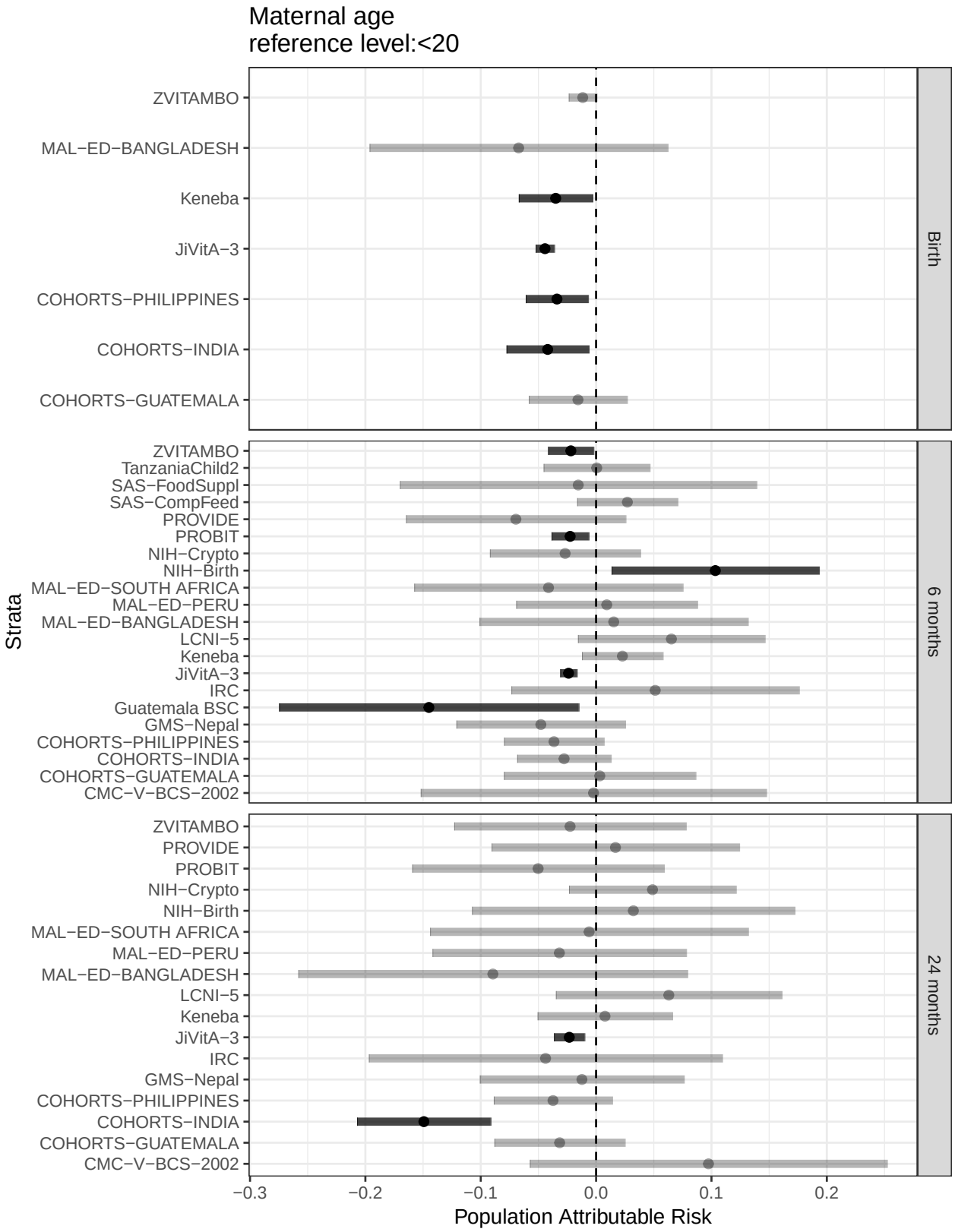

Number of rooms in household
reference level:1
Strata
JiVitA−4
JiVitA−3
COHORTS−INDIA
Birth
NIH−Crypto
MAL−ED−PERU
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−INDIA
6 months
PROVIDE
NIH−Crypto
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
JiVitA−4
JiVitA−3
IRC
GMS−Nepal
COHORTS−INDIA
CMC−V−BCS−2002
24 months
−0.4
−0.2
0.0
0.2
Population Attributable Risk

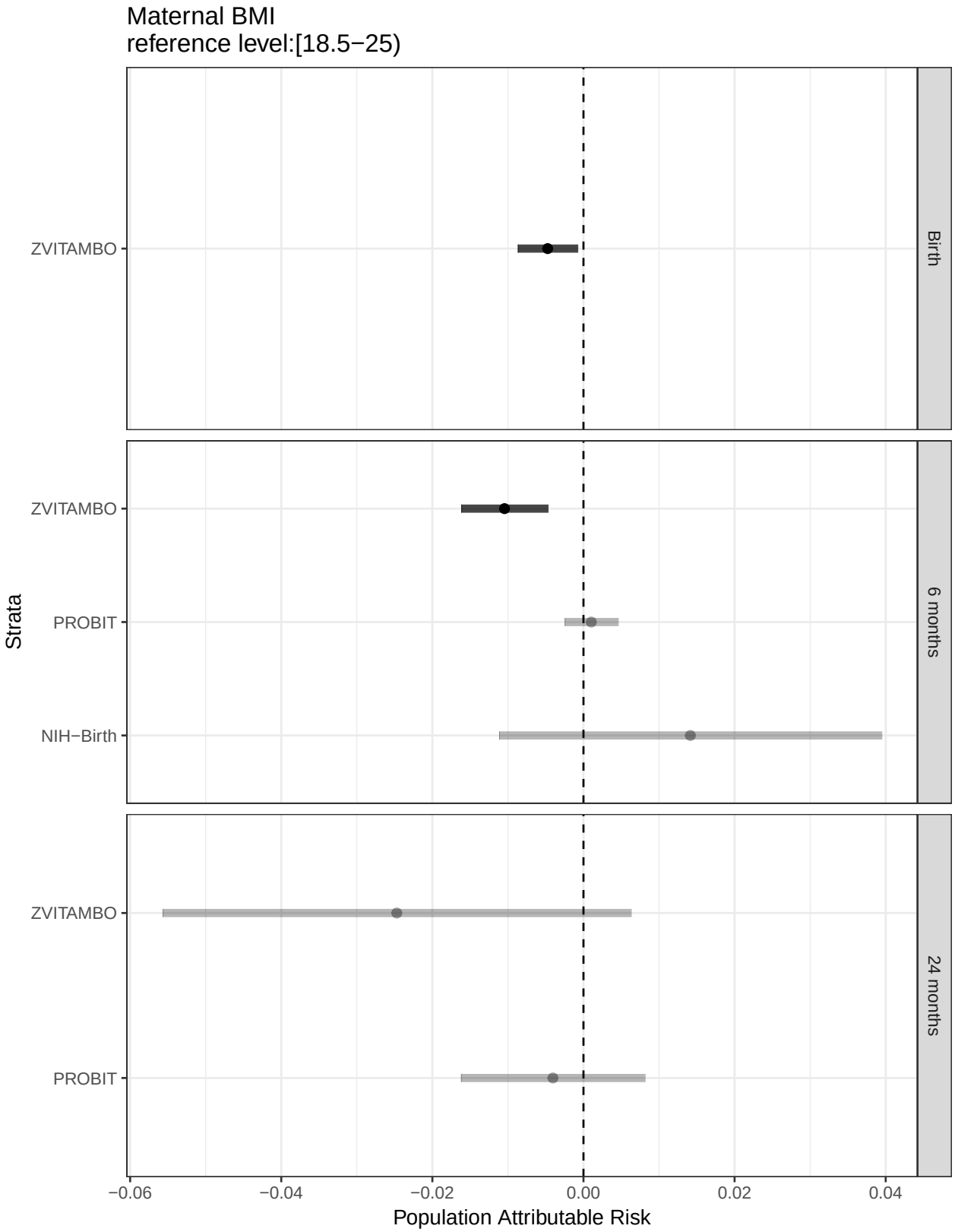

Safe water
reference level:0
Strata
MAL−ED−TANZANIA, UNITED REPUBLIC OF
JiVitA−3
Birth
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−SOUTH AFRICA
LCNI−5
JiVitA−3
6 months
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−SOUTH AFRICA
LCNI−5
24 months
−0.4
−0.3
−0.2
−0.1
0.0
0.1
Population Attributable Risk

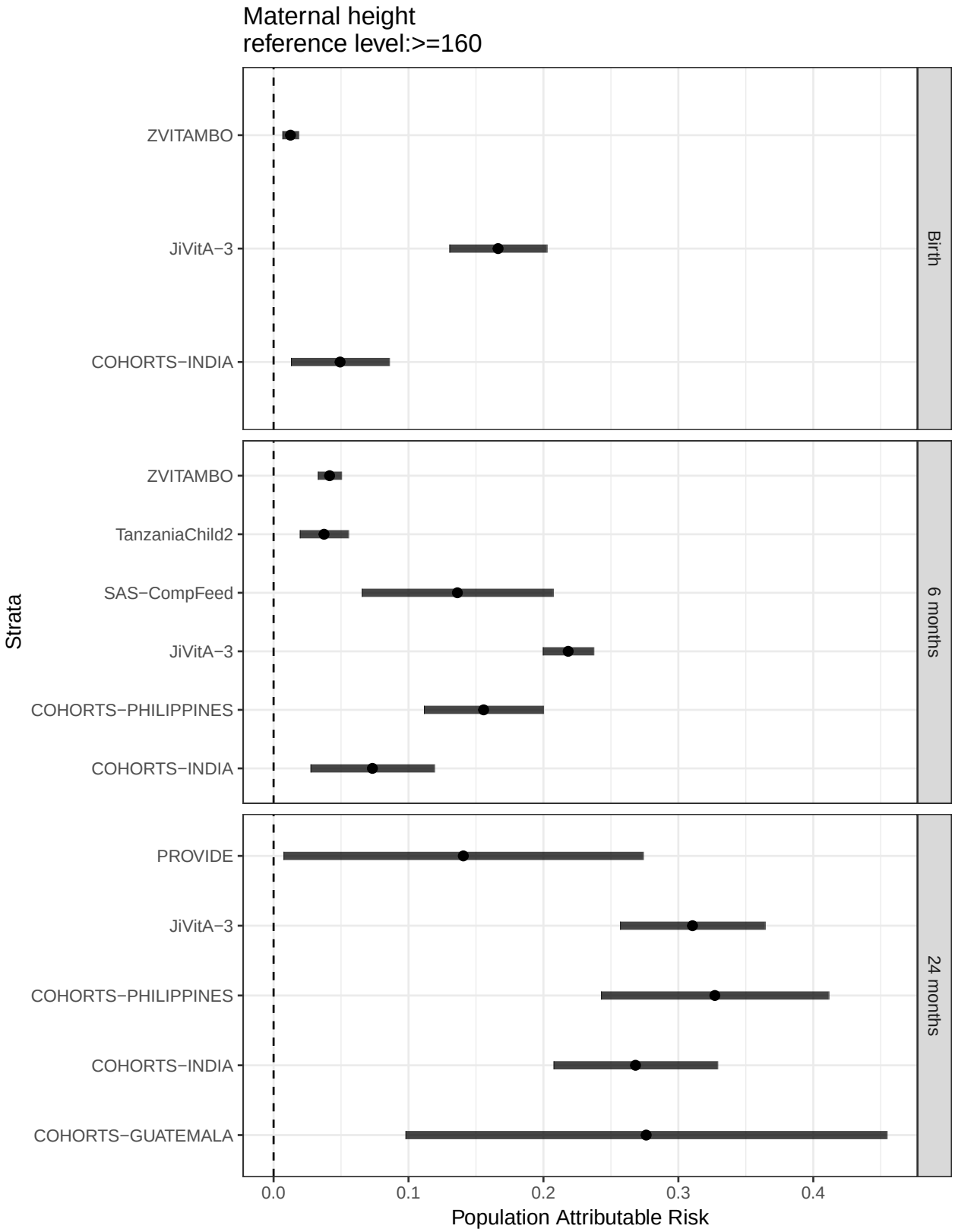

Treats water
reference level:0
Strata
NIH−Crypto
PROVIDE
NIH−Crypto
6 months
24 months
0.000
0.025
0.050
0.075
Population Attributable Risk

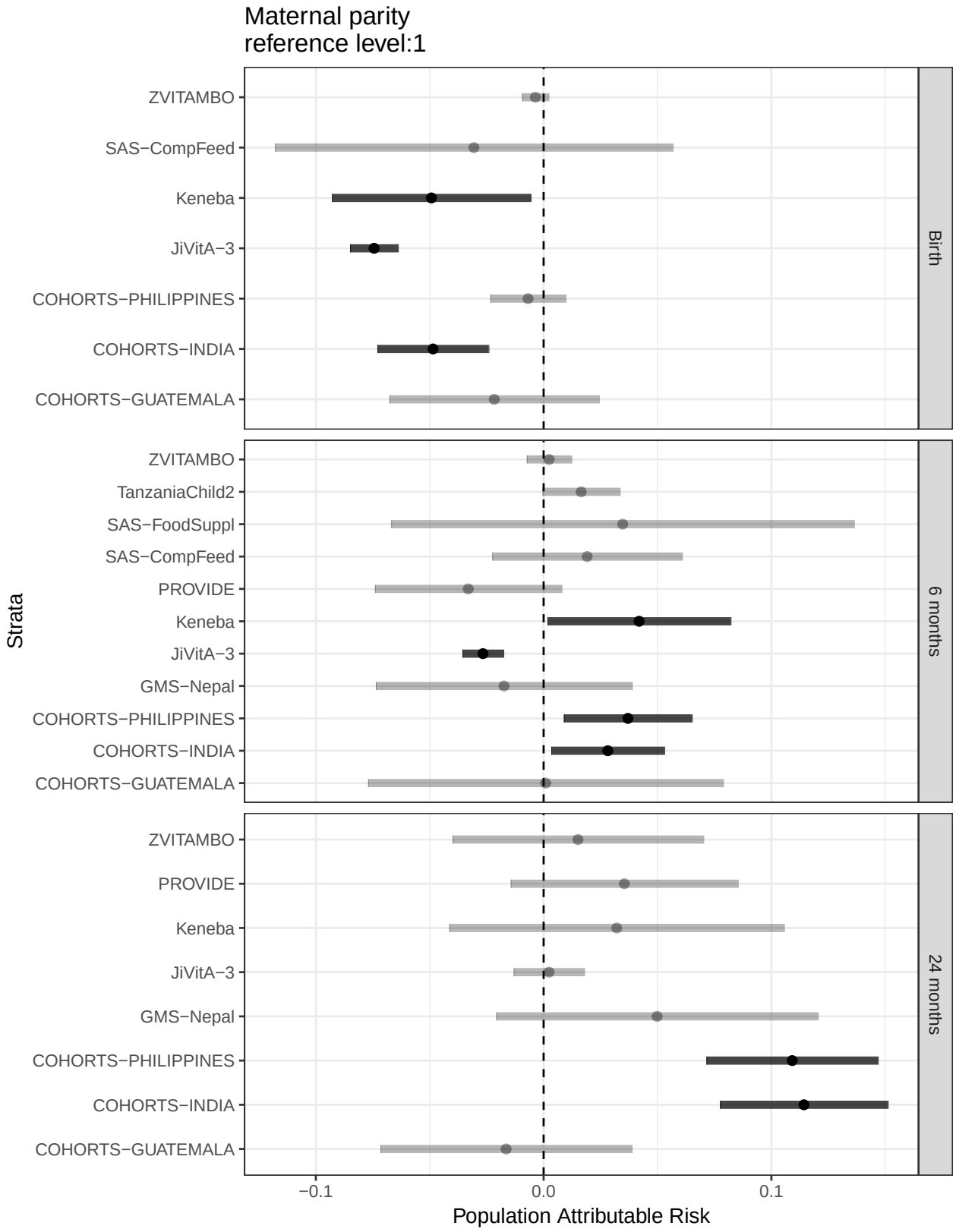

USAID Household Food Insecurity Access Scale (HFIAS) category
reference level:Food Secure
Strata
JiVitA−4
JiVitA−3
Birth
NIH−Crypto
MAL−ED−PERU
JiVitA−4
JiVitA−3
6 months
NIH−Crypto
MAL−ED−PERU
JiVitA−4
JiVitA−3
GMS−Nepal
24 months
−0.2
−0.1
0.0
0.1
Population Attributable Risk

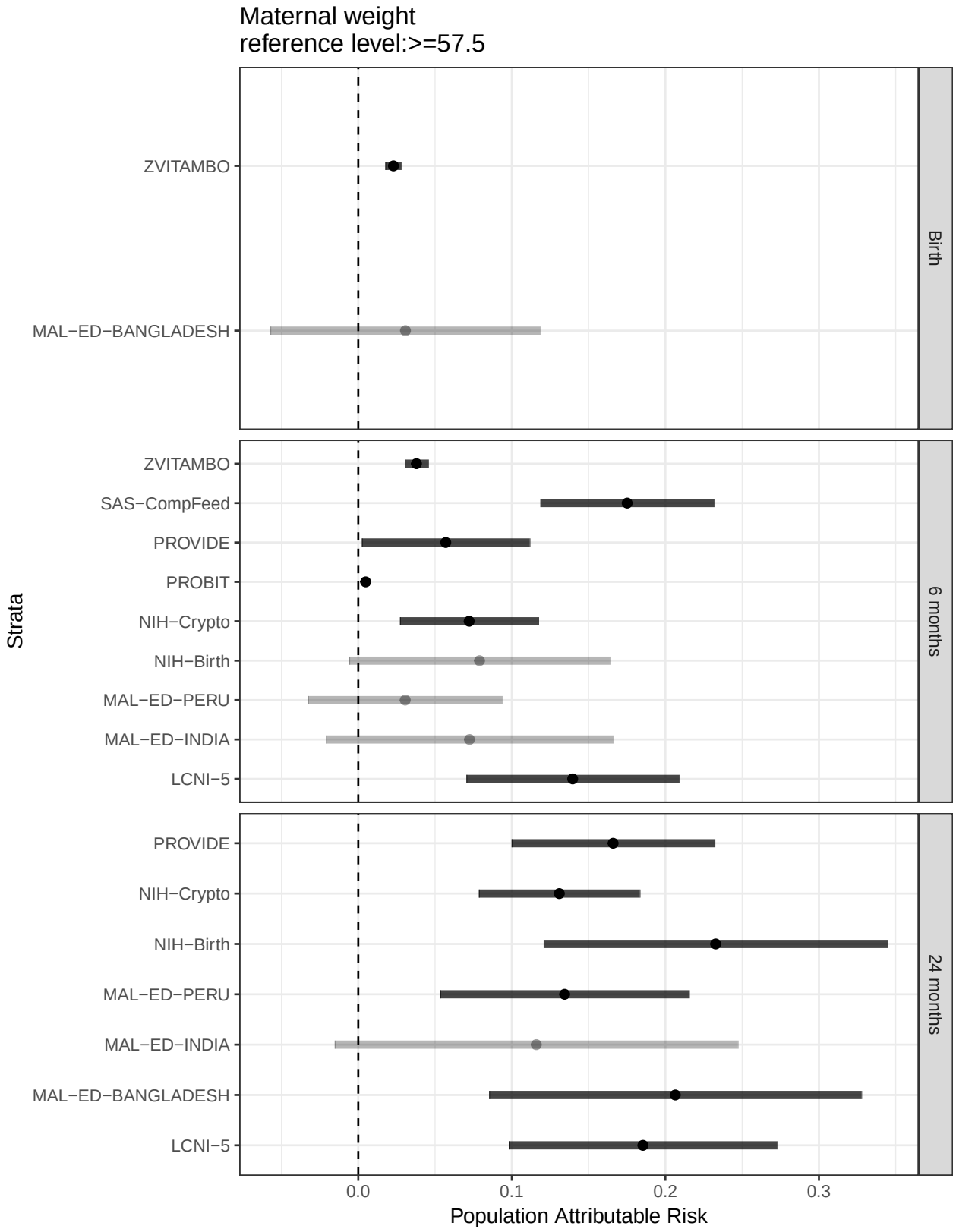
Maternal characteristics

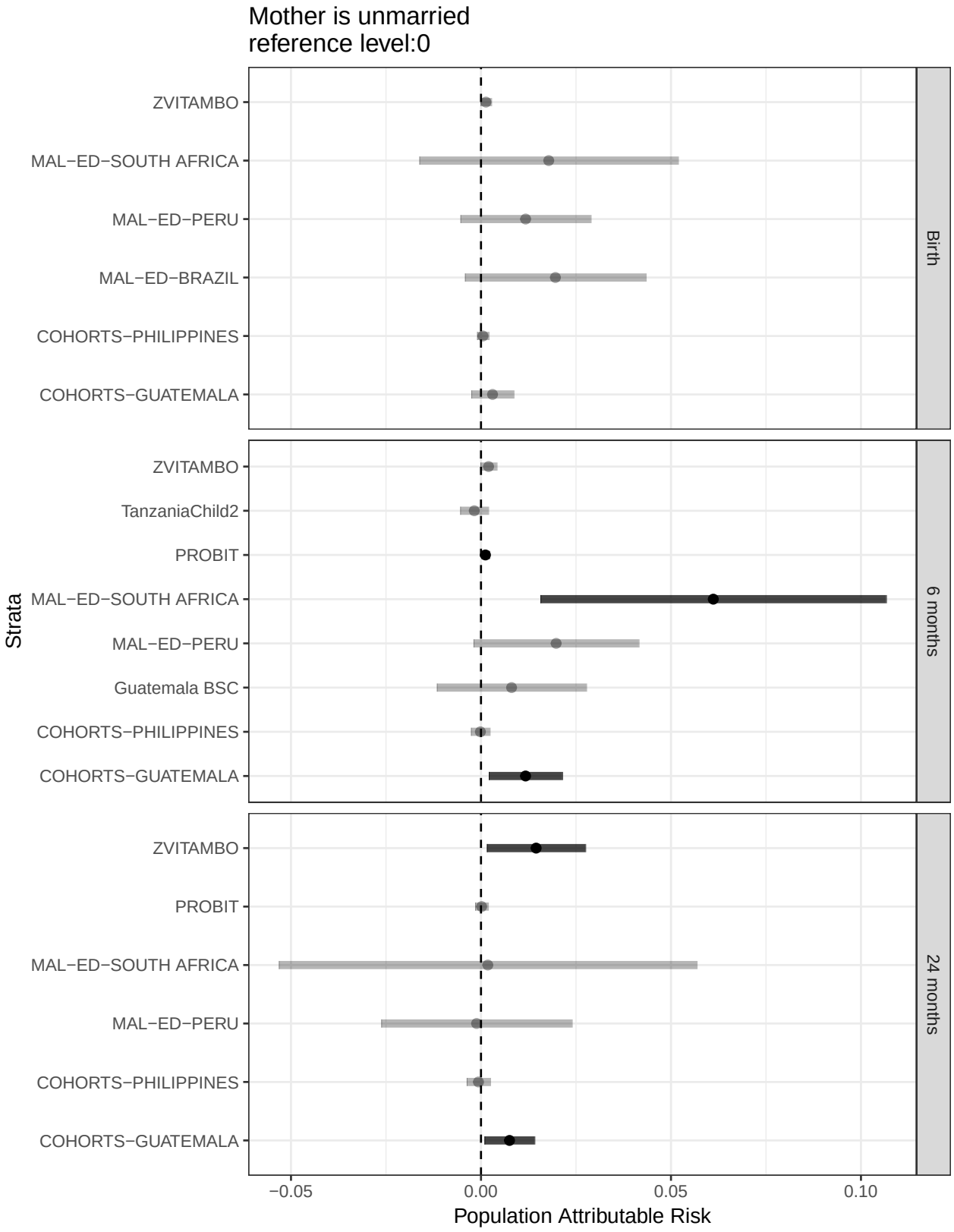


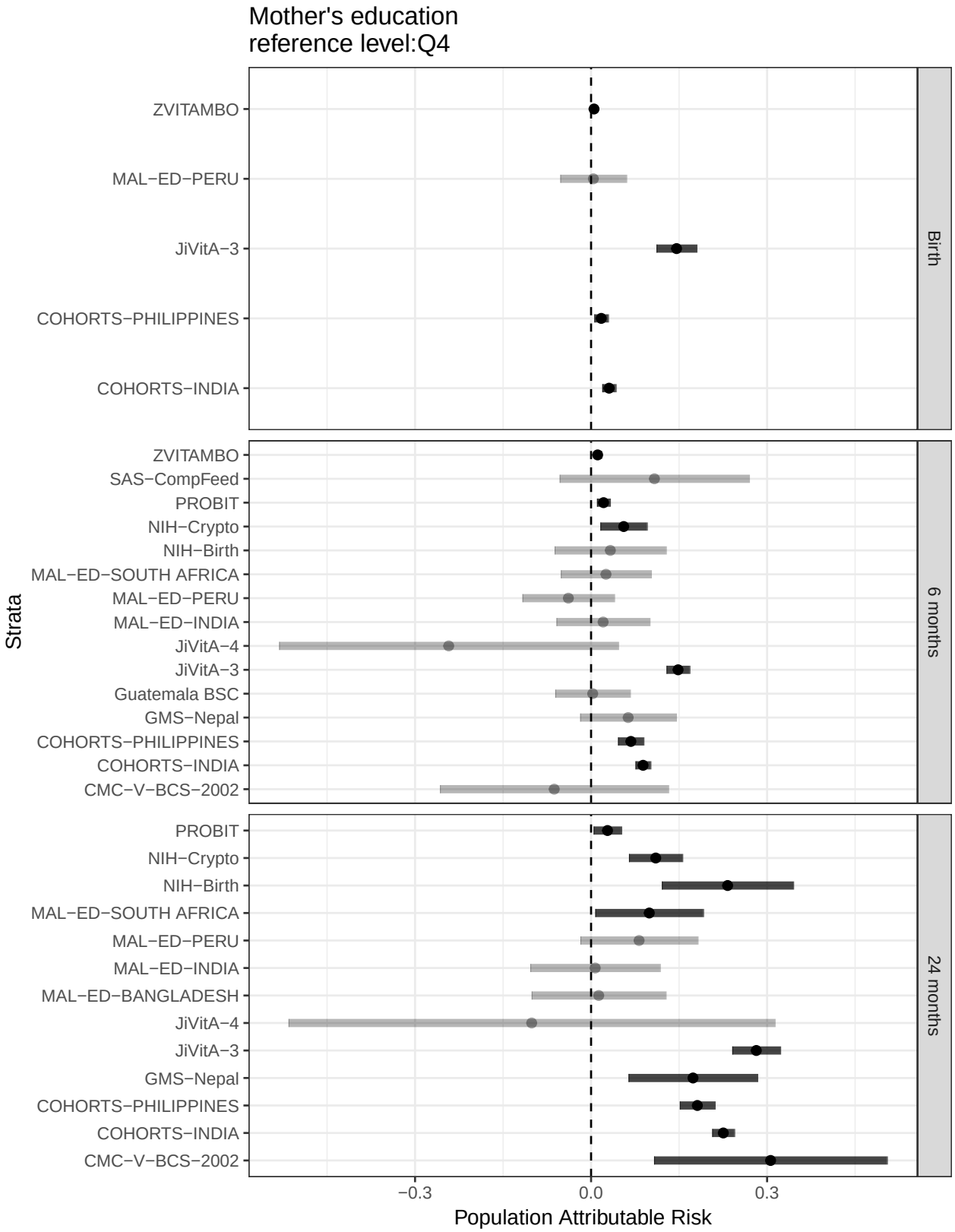

Maternal BMI
reference level:[18.5−25)
Strata
ZVITAMBO
Birth
ZVITAMBO
PROBIT
NIH−Birth
6 months
ZVITAMBO
PROBIT
24 months
−0.06
−0.04
−0.02
0.00
0.02
0.04
Population Attributable Risk


Maternal height
reference level:>=160
Strata
ZVITAMBO
JiVitA−3
COHORTS−INDIA
Birth
ZVITAMBO
TanzaniaChild2
SAS−CompFeed
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
PROVIDE
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
24 months
0.0
0.1
0.2
0.3
0.4
Population Attributable Risk

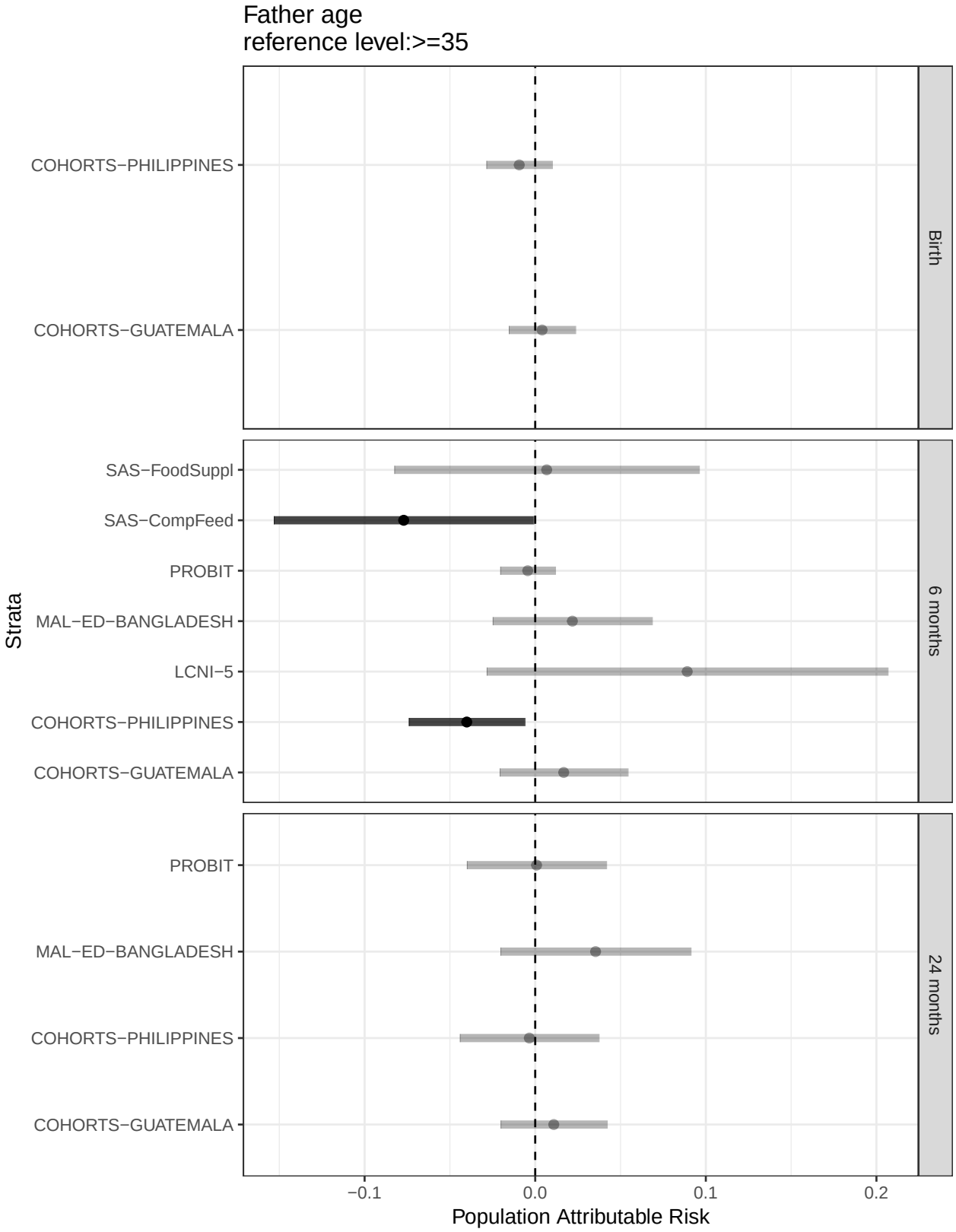

Maternal parity
reference level:1
Strata
ZVITAMBO
SAS−CompFeed
Keneba
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
Birth
ZVITAMBO
TanzaniaChild2
SAS−FoodSuppl
SAS−CompFeed
PROVIDE
Keneba
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
6 months
ZVITAMBO
PROVIDE
Keneba
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
24 months
−0.1
0.0
0.1
Population Attributable Risk

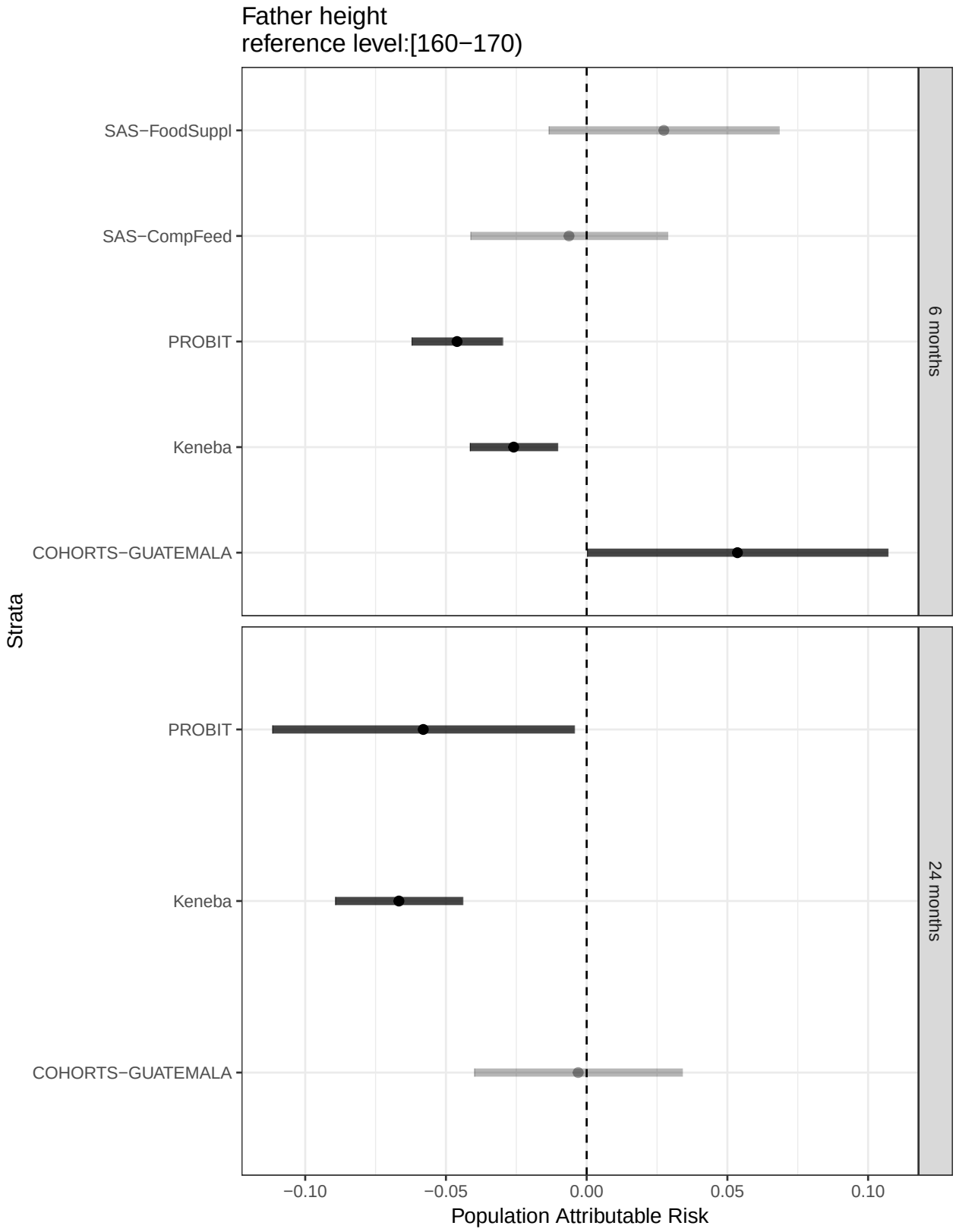

Maternal weight
reference level:>=57.5
Birth
6 months
24 months
ZVITAMBO
MAL−ED−BANGLADESH
SAS−CompFeed
PROVIDE
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−INDIA
LCNI−5
Strata
0.0
0.1
0.2
0.3
Population Attributable Risk

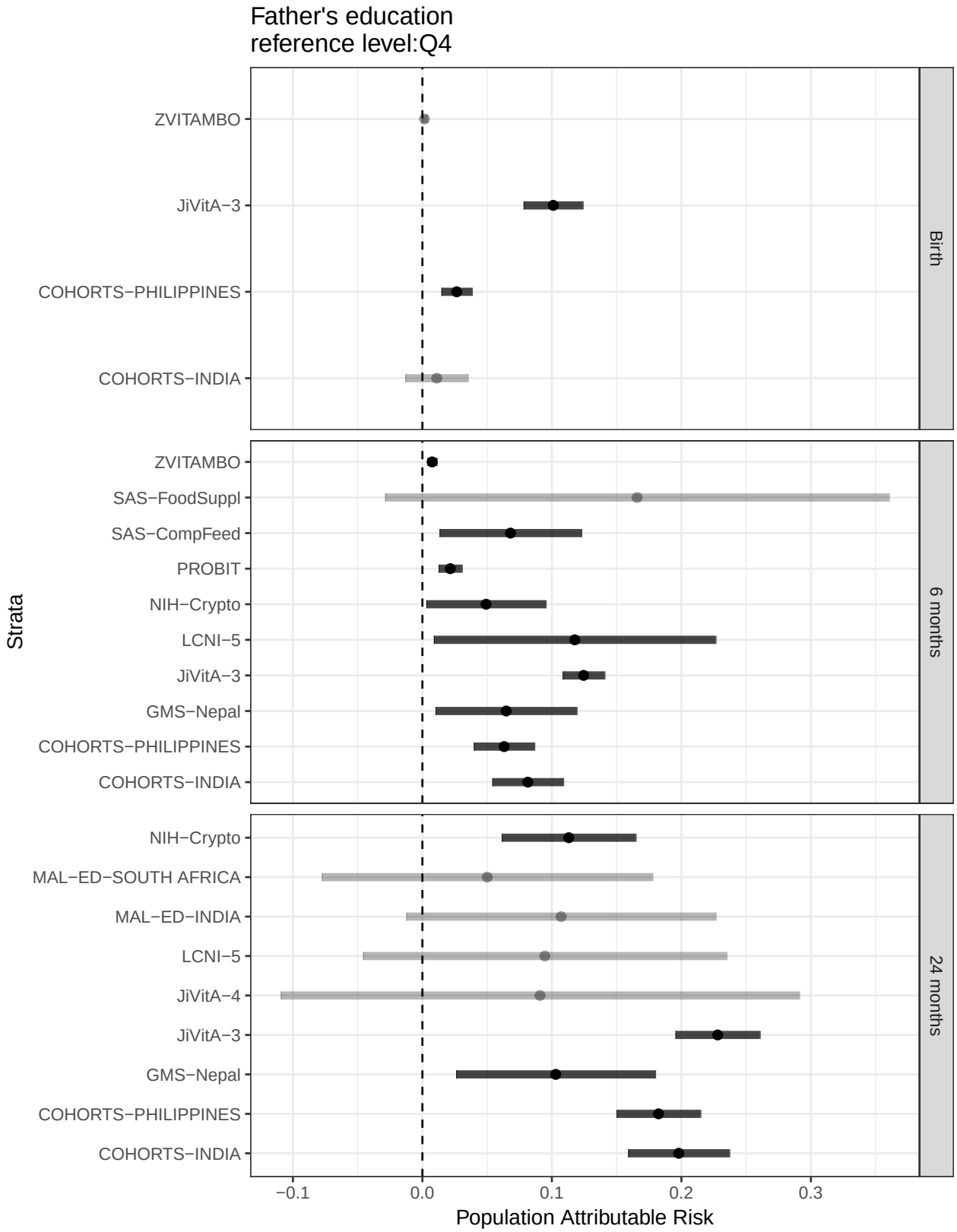

Mother is unmarried
reference level:0
Strata
ZVITAMBO
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−BRAZIL
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
Birth
ZVITAMBO
TanzaniaChild2
PROBIT
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
Guatemala BSC
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
6 months
ZVITAMBO
PROBIT
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
24 months
−0.05
0.00
0.05
0.10
Population Attributable Risk


Mother's education
reference level:Q4
Strata
Birth
ZVITAMBO
MAL−ED−PERU
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
ZVITAMBO
SAS−CompFeed
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−INDIA
JiVitA−4
JiVitA−3
Guatemala BSC
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
CMC−V−BCS−2002
24 months
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
CMC−V−BCS−2002
−0.3
0.0
0.3
Population Attributable Risk

Paternal characteristics



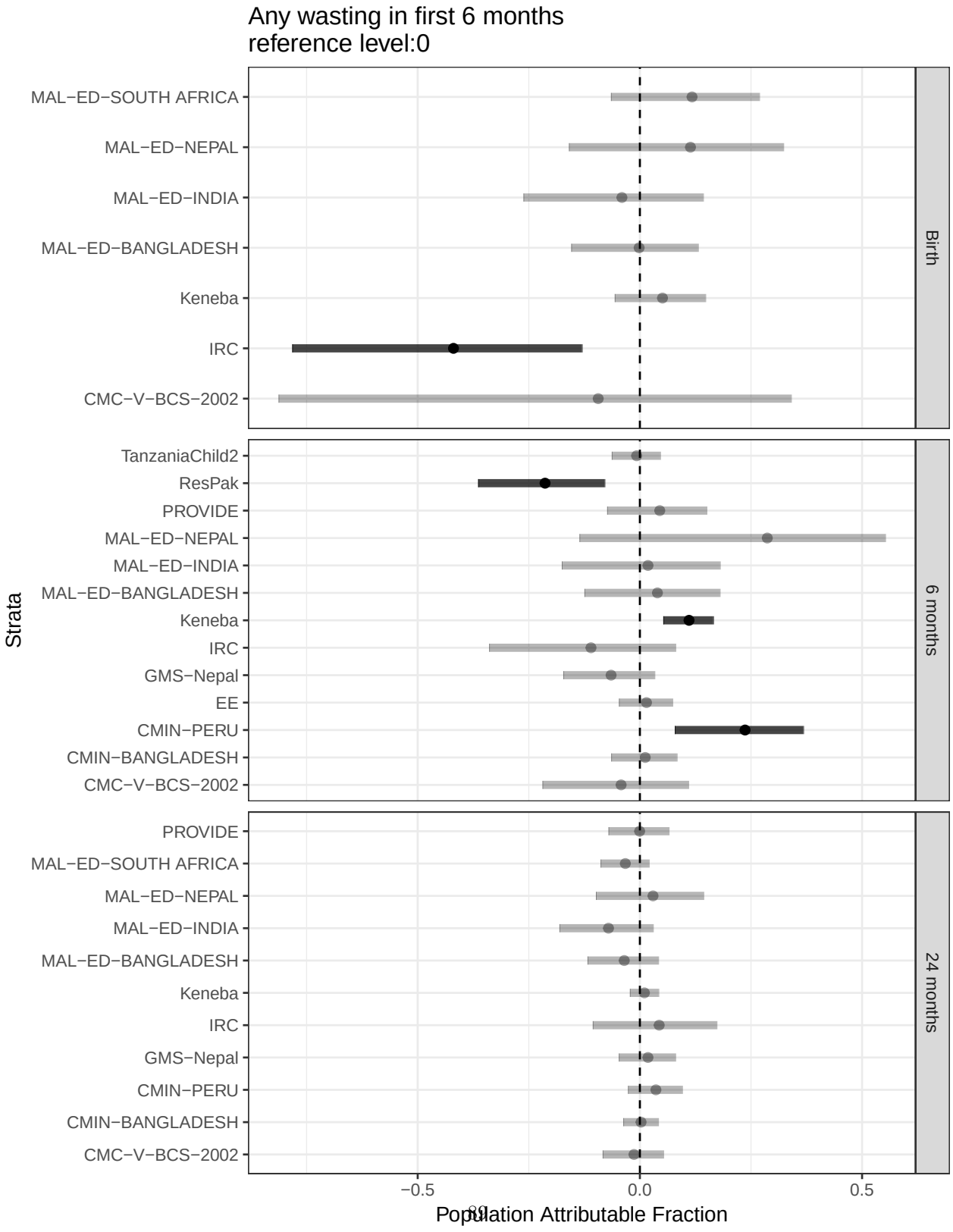

Father height
reference level:[160−170)
SAS−FoodSuppl
SAS−CompFeed
PROBIT
Keneba
COHORTS−GUATEMALA
6 months
PROBIT
Keneba
COHORTS−GUATEMALA
24 months
Strata
−0.10
−0.05
0.00
0.05
0.10
Population Attributable Risk

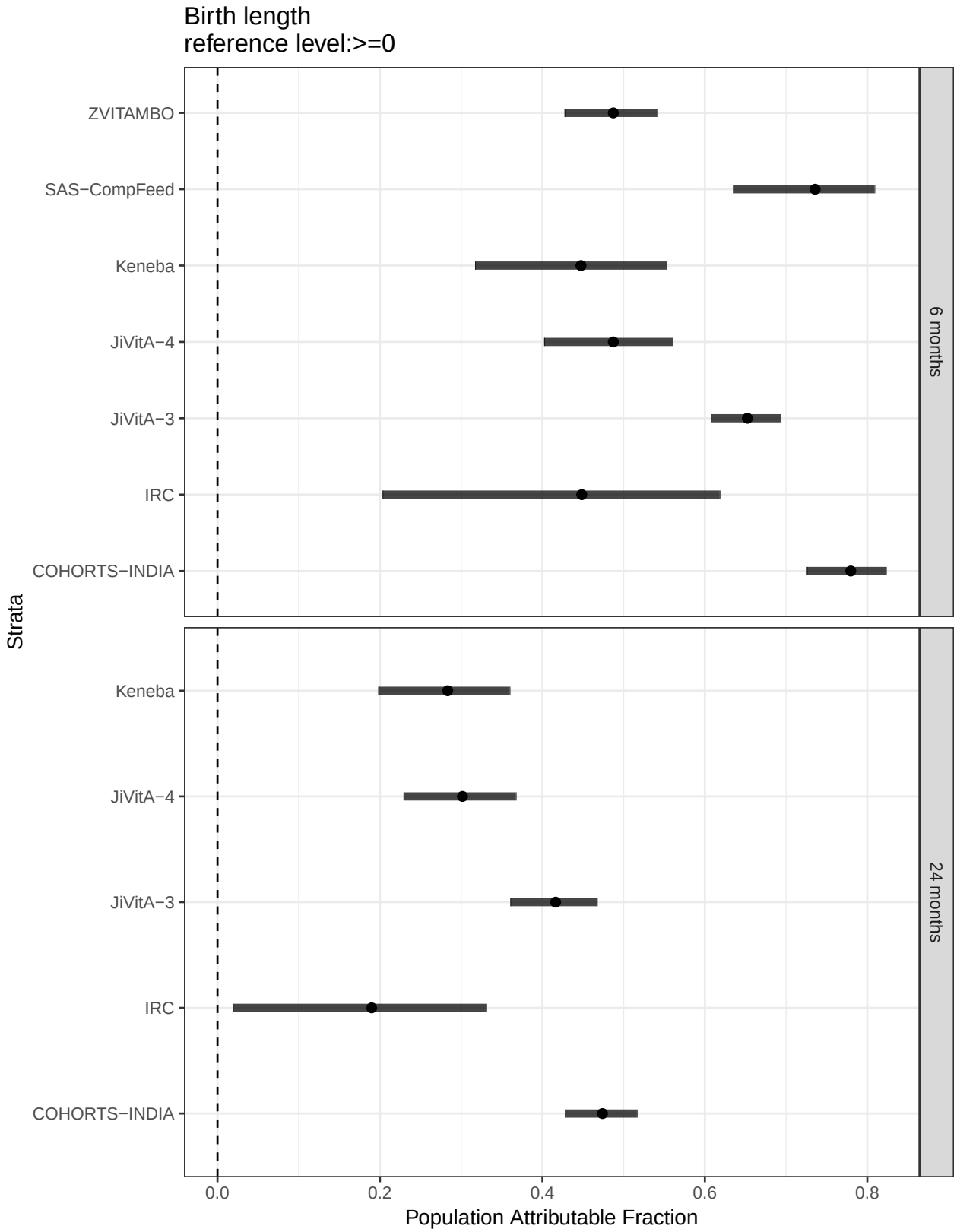

Father's education
reference level:Q4
Birth
ZVITAMBO
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
ZVITAMBO
SAS−FoodSuppl
SAS−CompFeed
PROBIT
NIH−Crypto
LCNI−5
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
24 months
NIH−Crypto
MAL−ED−SOUTH AFRICA
MAL−ED−INDIA
LCNI−5
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
Strata
−0.1
0.0
0.1
0.2
0.3
Population Attributable Risk

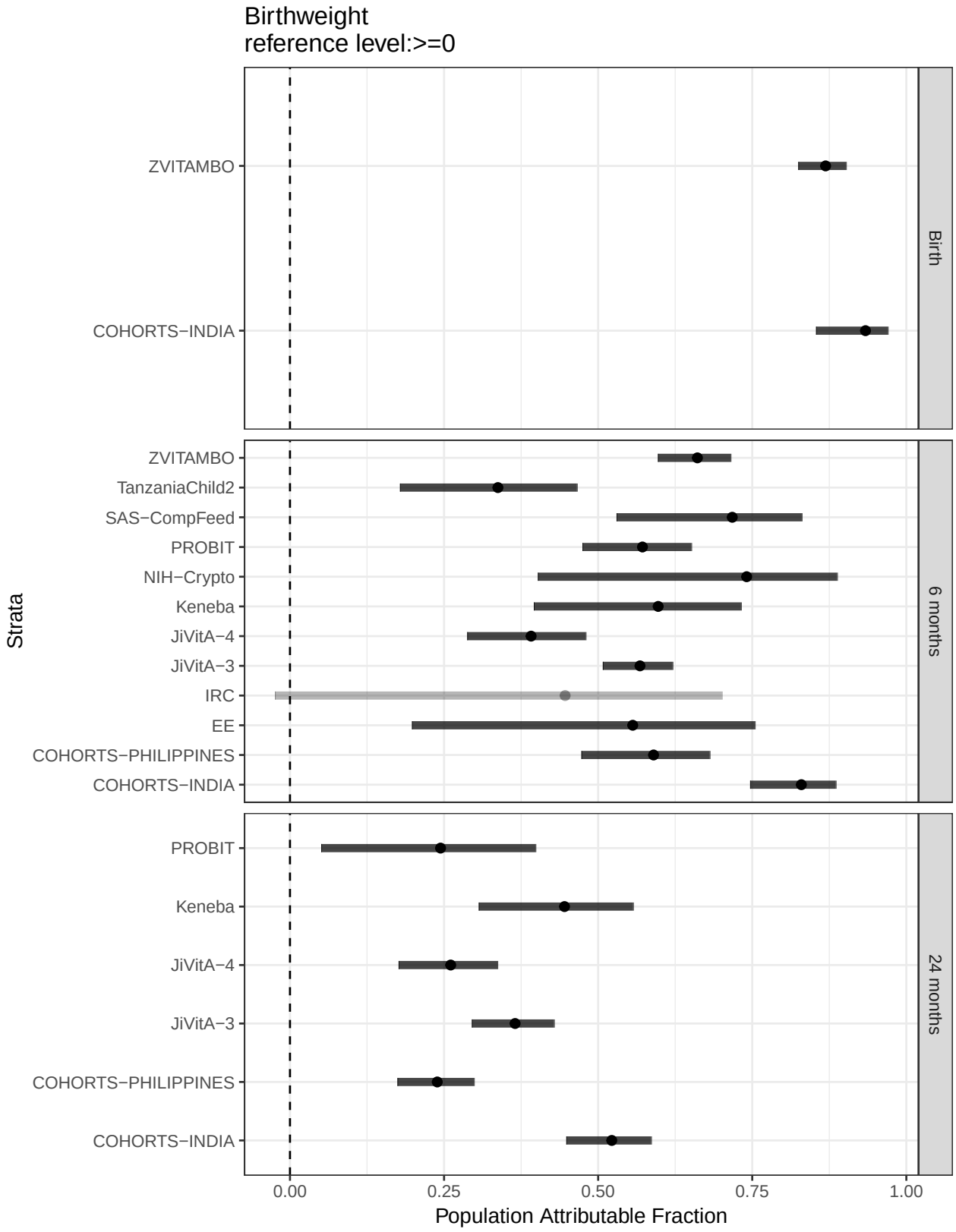
Appendix 3 - Population Attributable Fraction stratified by cohort

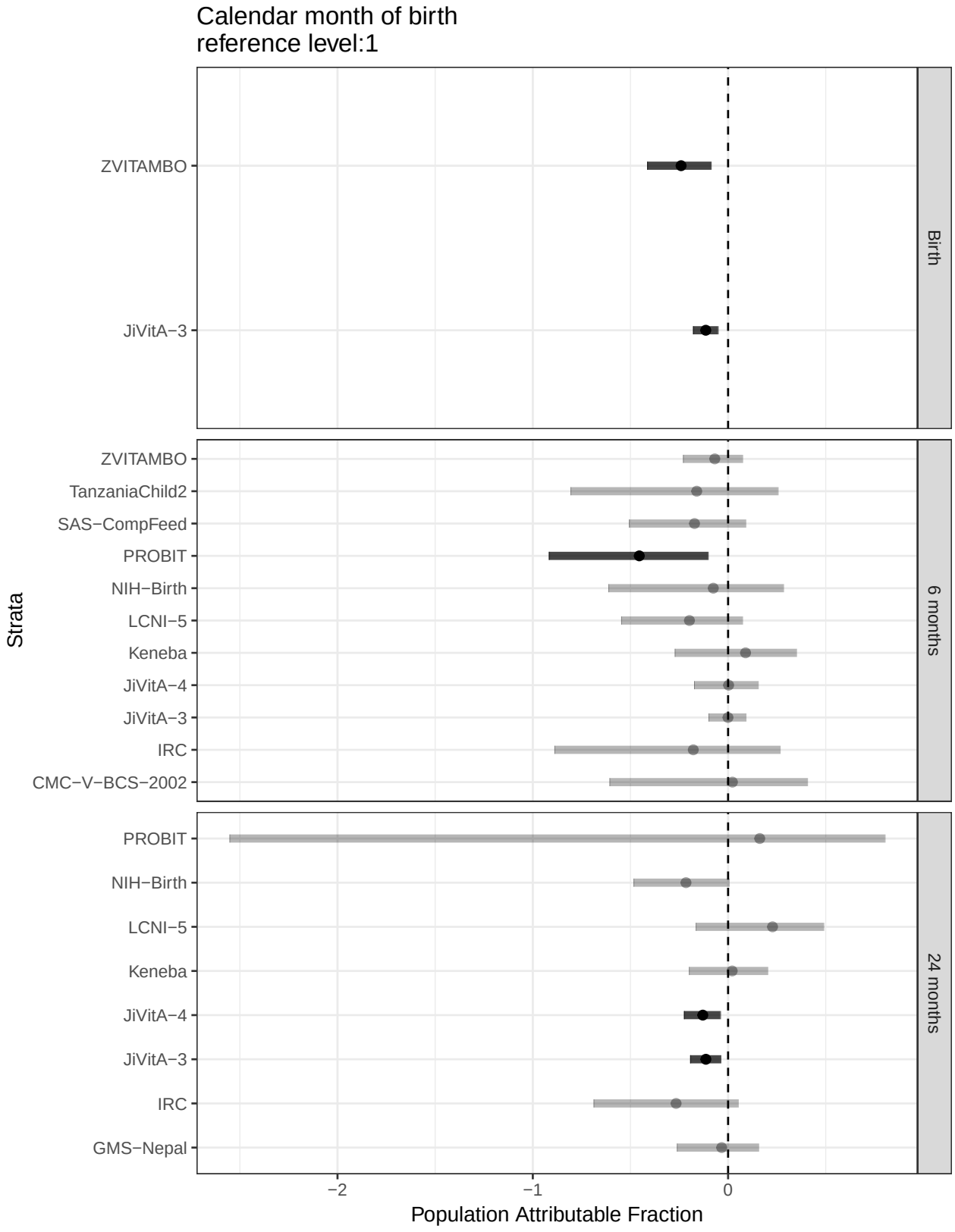
Point prevalence of stunting

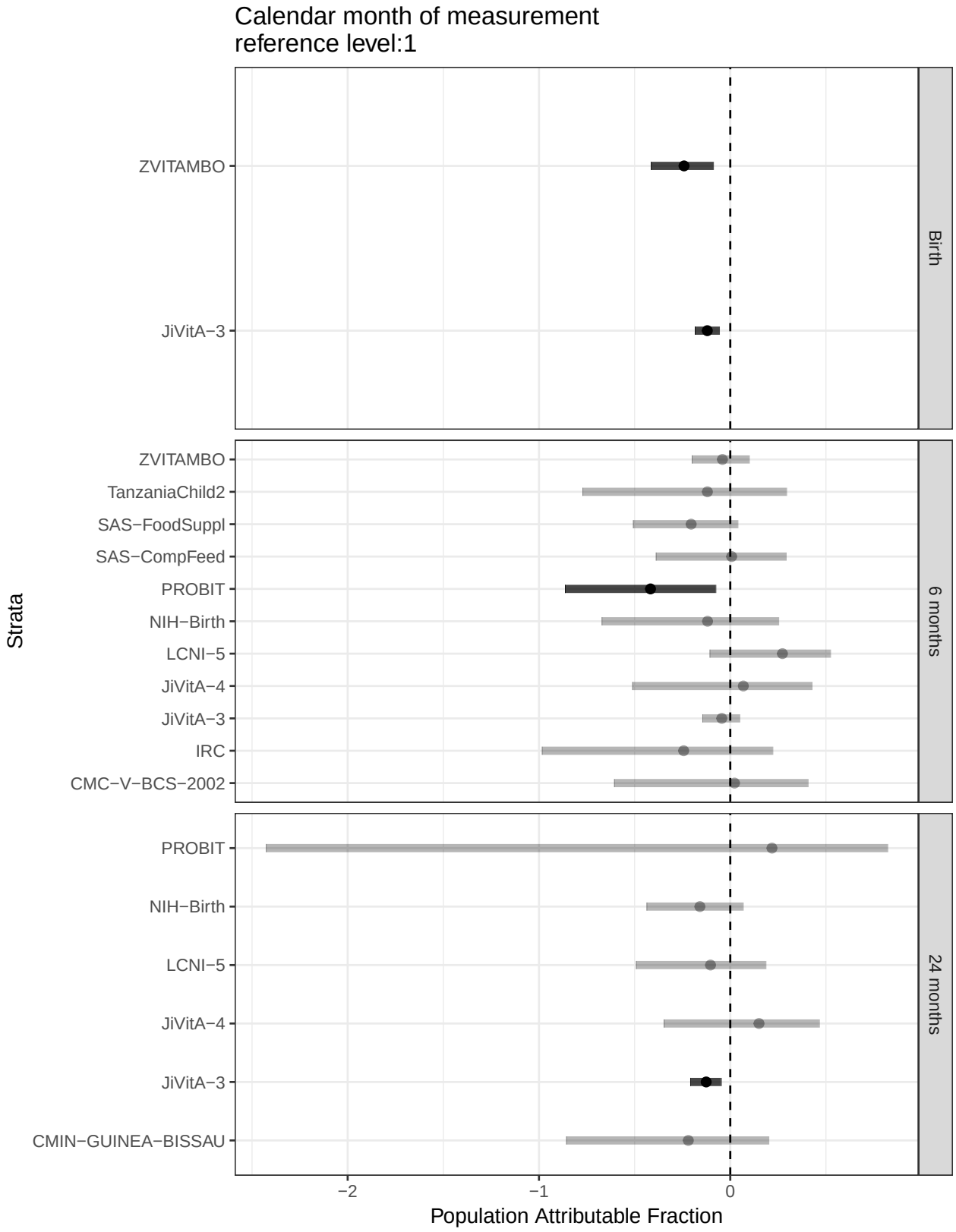
Child characteristics

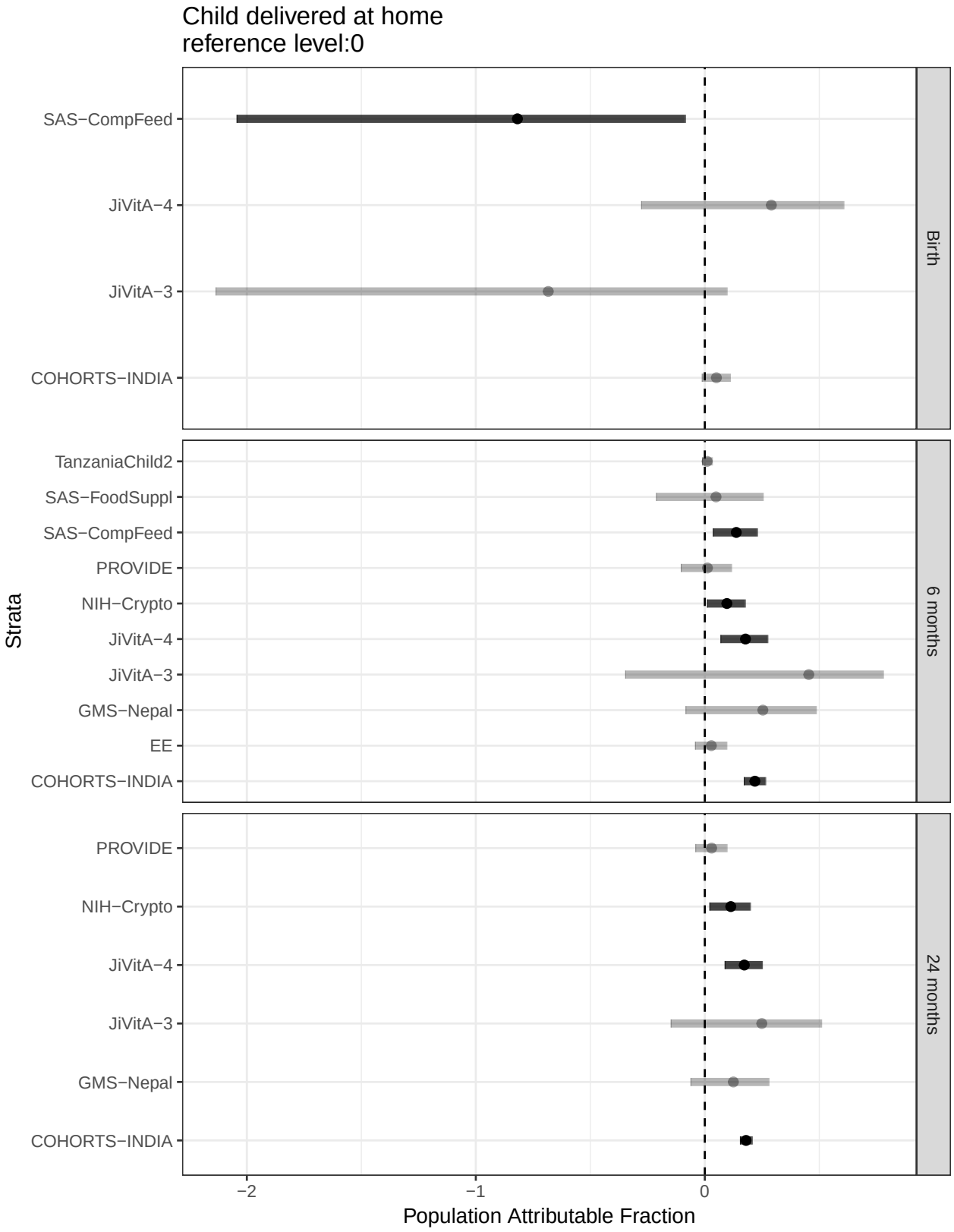


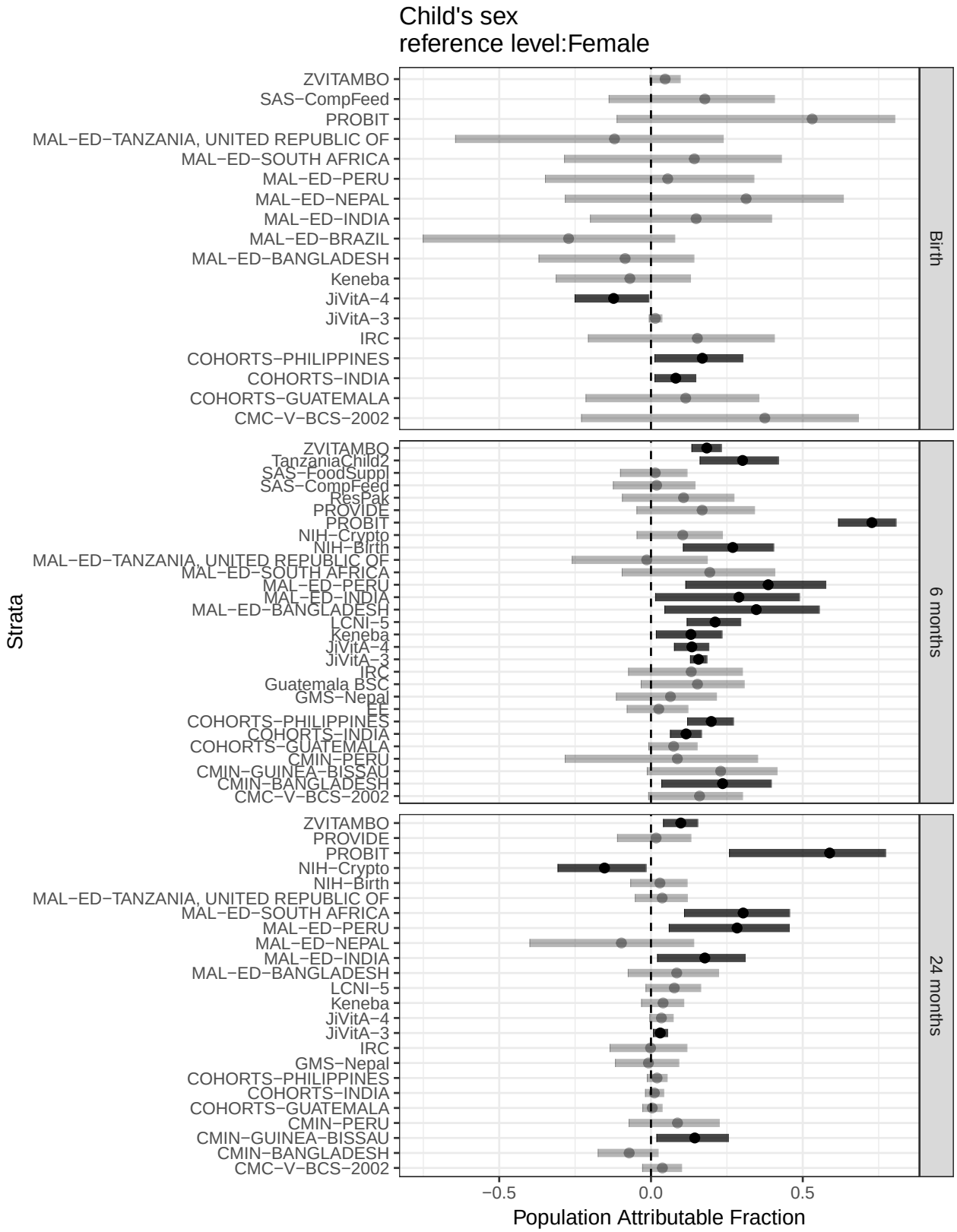

Birth length
reference level:>=0
ZVITAMBO
SAS−CompFeed
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−INDIA
6 months
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−INDIA
24 months
Strata
0.0
0.2
0.4
0.6
0.8
Population Attributable Fraction

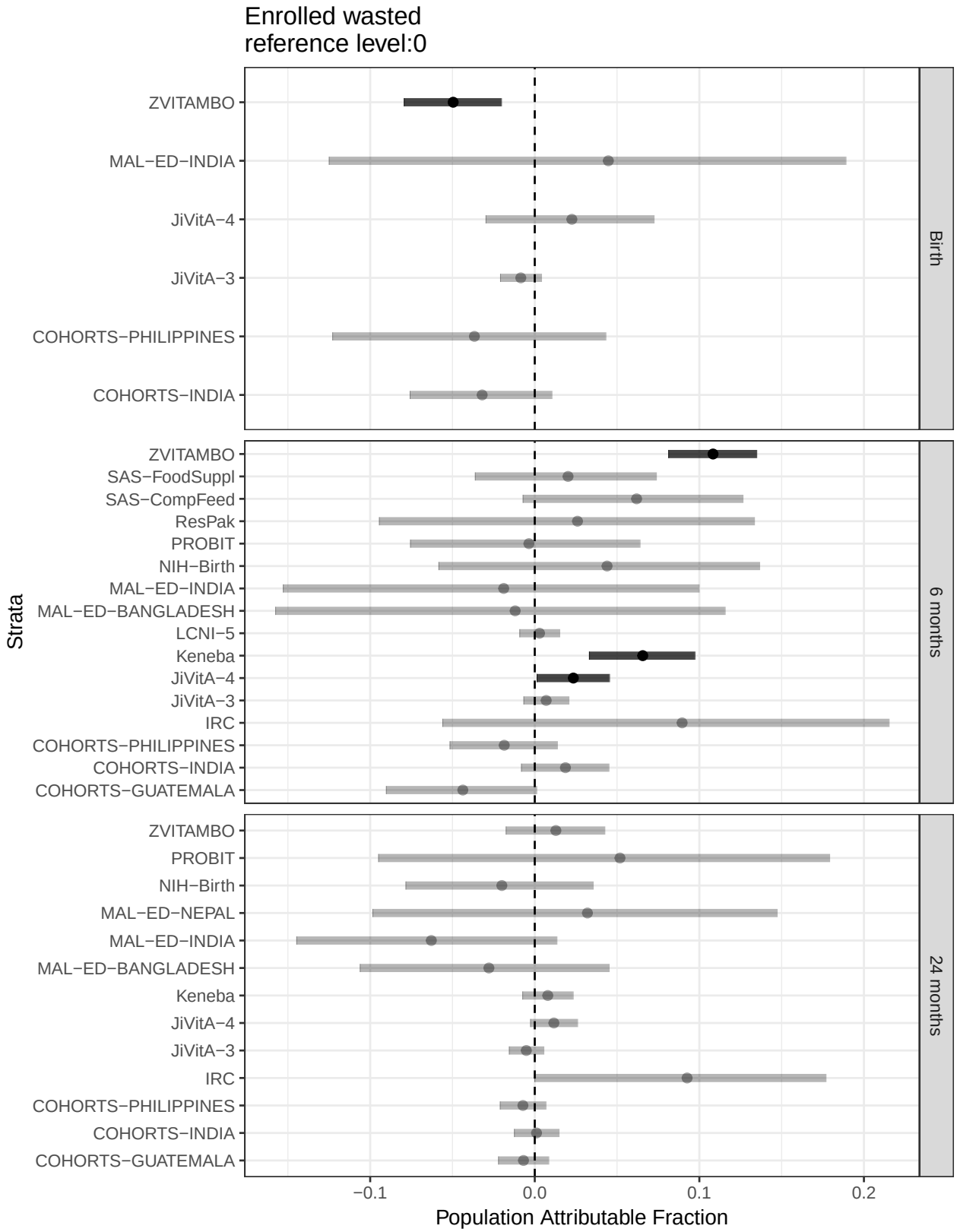

Birthweight
reference level:>=0
Strata
ZVITAMBO
COHORTS−INDIA
Birth
ZVITAMBO
TanzaniaChild2
SAS−CompFeed
PROBIT
NIH−Crypto
Keneba
JiVitA−4
JiVitA−3
IRC
EE
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
PROBIT
Keneba
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
24 months
0.00
0.25
0.50
0.75
1.00
Population Attributable Fraction

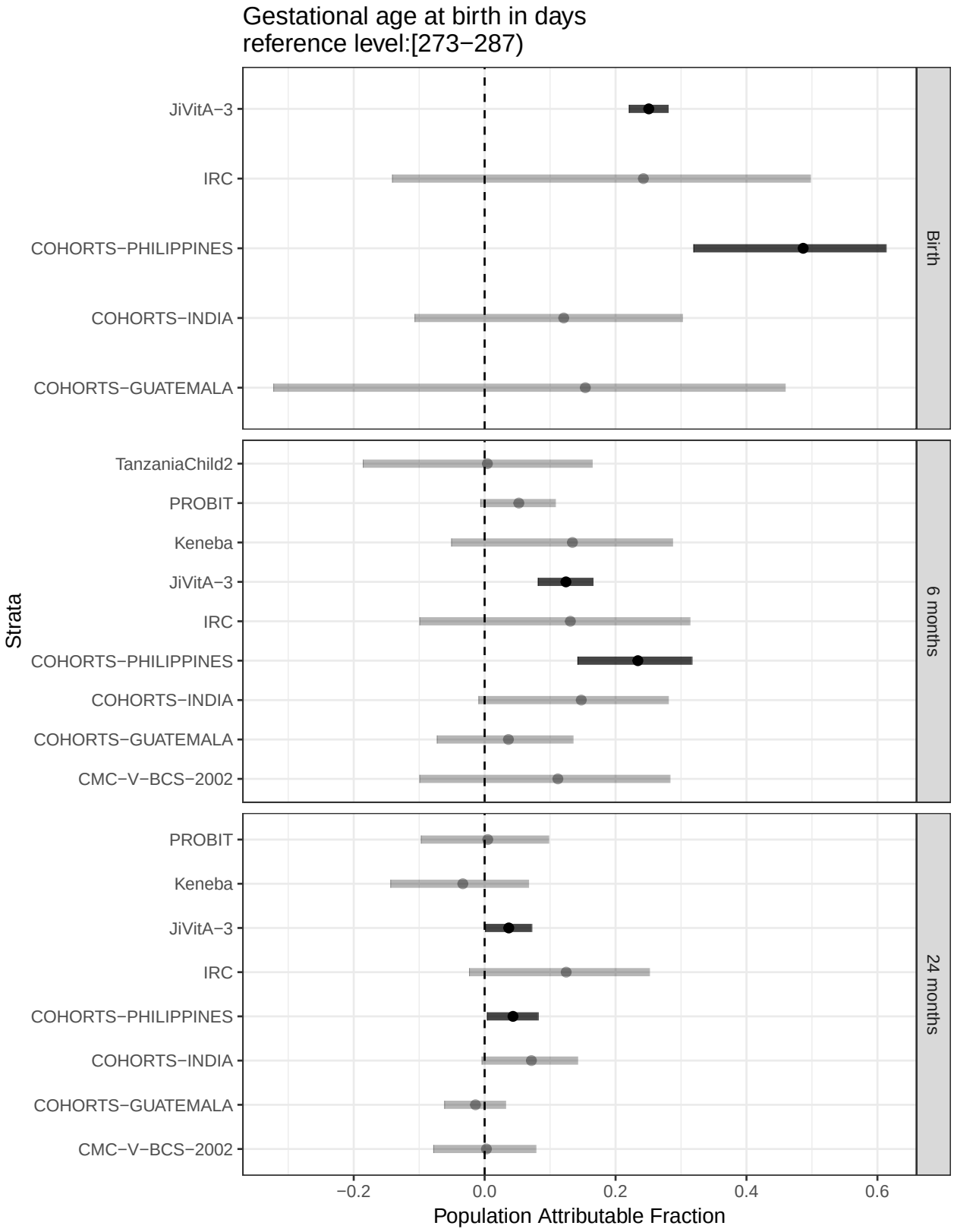

Calendar month of birth
reference level:1
Strata
Birth
ZVITAMBO
JiVitA−3
6 months
ZVITAMBO
TanzaniaChild2
SAS−CompFeed
PROBIT
NIH−Birth
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
24 months
PROBIT
NIH−Birth
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
GMS−Nepal
−2
−1
0
Population Attributable Fraction

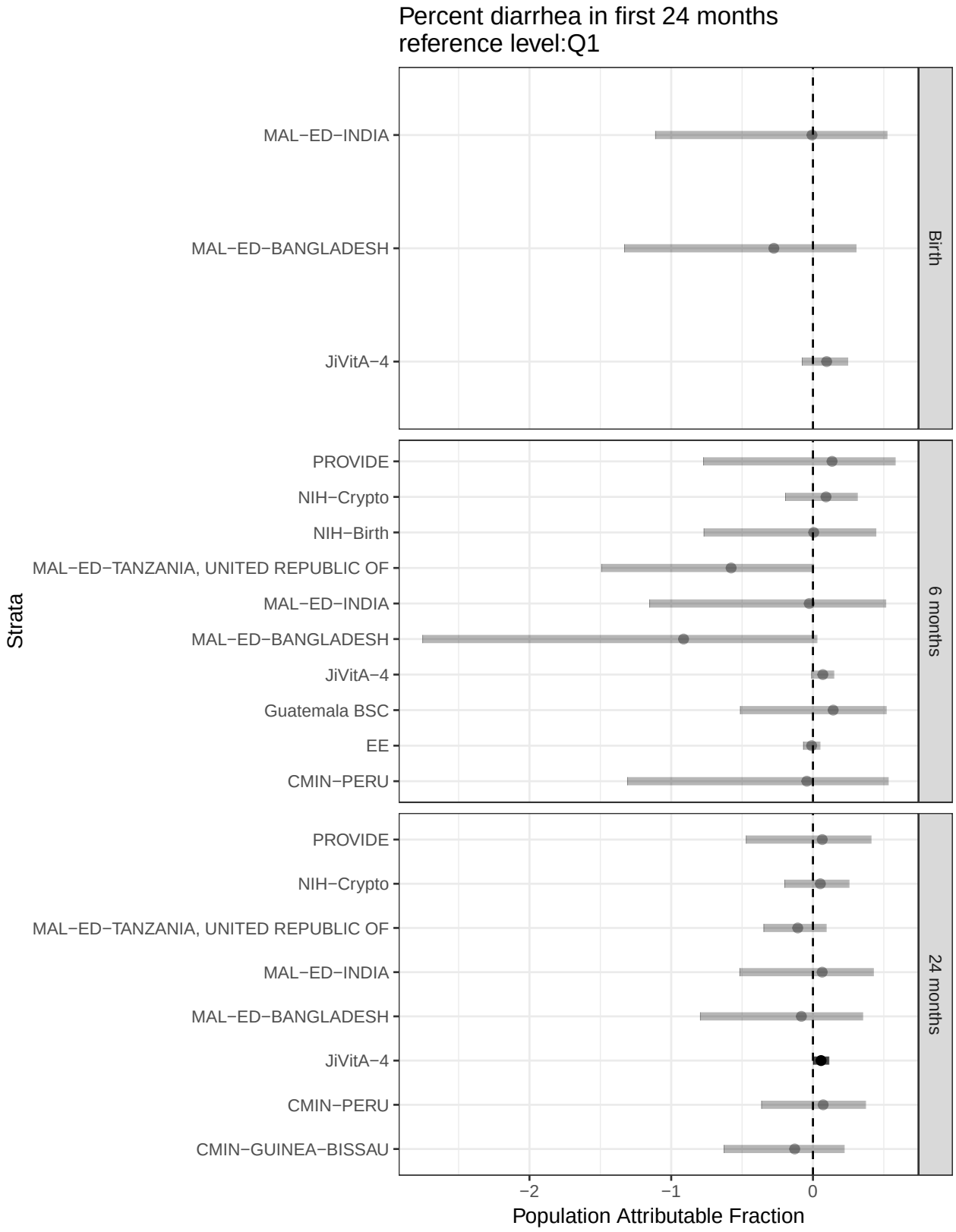

Calendar month of measurement
reference level:1
Strata
ZVITAMBO
JiVitA−3
Birth
ZVITAMBO
TanzaniaChild2
SAS−FoodSuppl
SAS−CompFeed
PROBIT
NIH−Birth
LCNI−5
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
6 months
PROBIT
NIH−Birth
LCNI−5
JiVitA−4
JiVitA−3
CMIN−GUINEA−BISSAU
24 months
−2
−1
0
Population Attributable Fraction

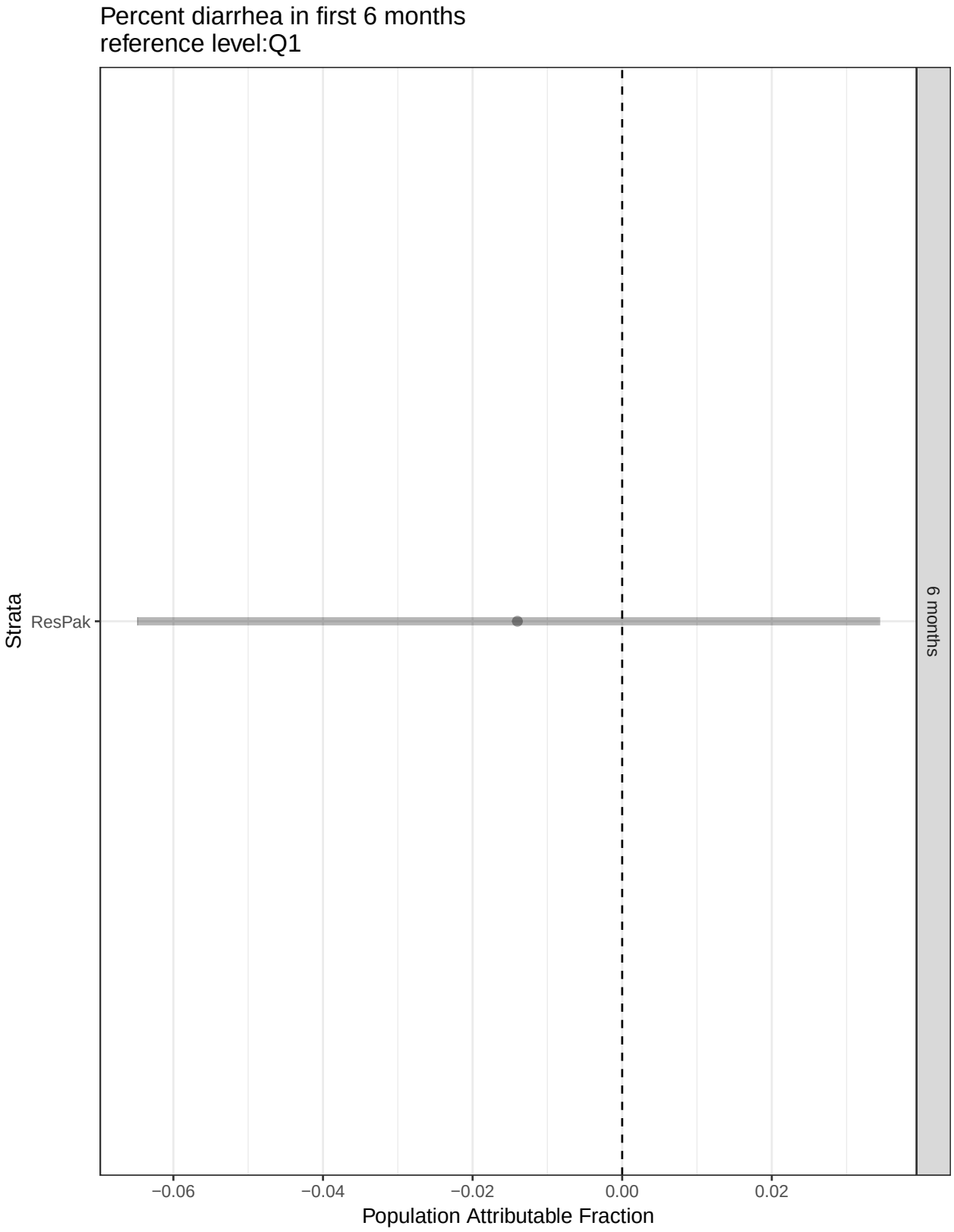

Child delivered at home
reference level:0
Strata
SAS−CompFeed
JiVitA−4
JiVitA−3
COHORTS−INDIA
Birth
TanzaniaChild2
SAS−FoodSuppl
SAS−CompFeed
PROVIDE
NIH−Crypto
JiVitA−4
JiVitA−3
GMS−Nepal
EE
COHORTS−INDIA
6 months
PROVIDE
NIH−Crypto
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−INDIA
24 months
−2
−1
0
Population Attributable Fraction

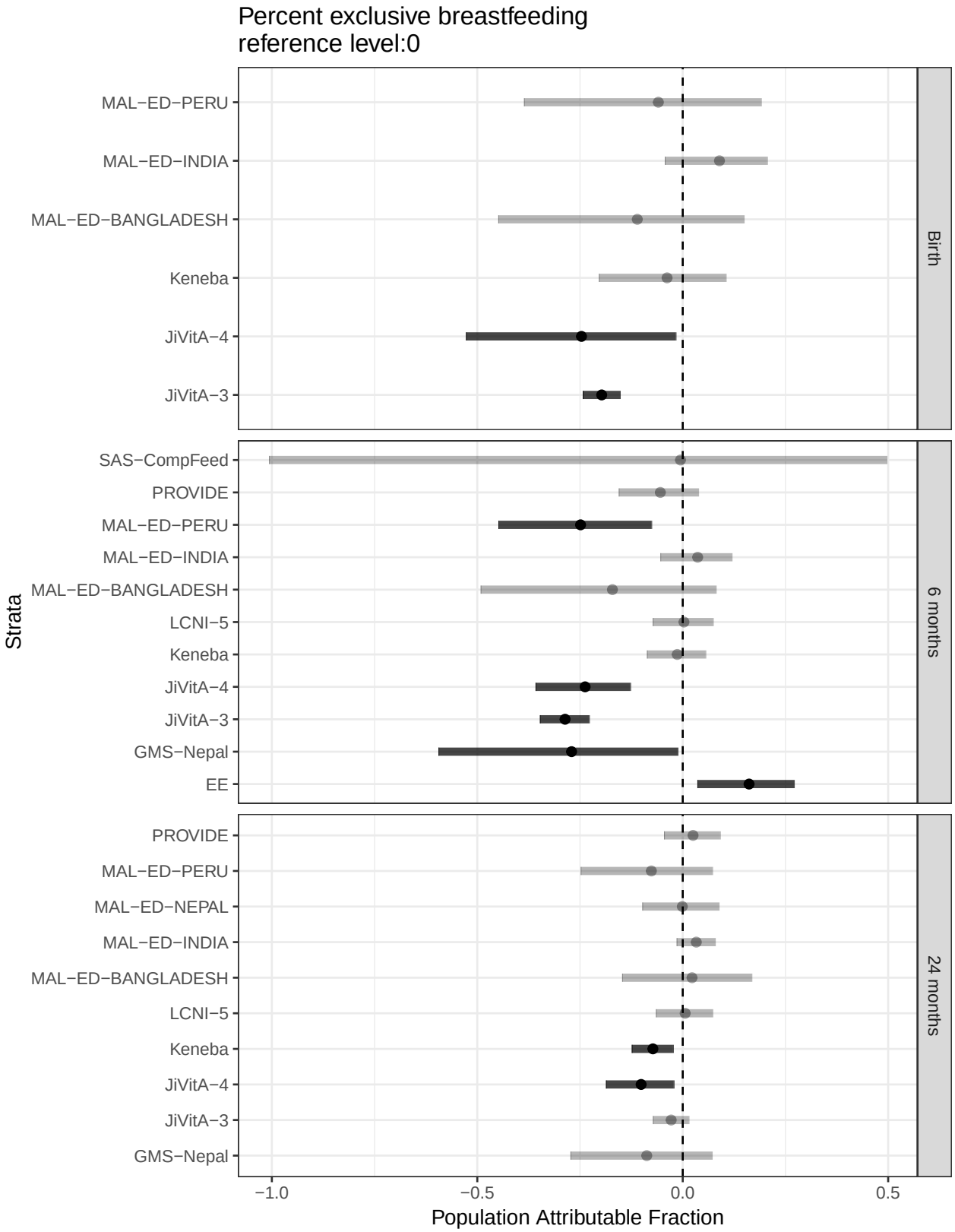

Child's sex
reference level:Female
Strata
Birth
6 months
24 months
ZVITAMBO
SAS−CompFeed
PROBIT
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BRAZIL
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
TanzaniaChild2
SAS−FoodSuppl
ResPak
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
Guatemala BSC
GMS−Nepal
EE
CMIN−PERU
CMIN−GUINEA−BISSAU
CMIN−BANGLADESH
−0.5
0.0
0.5
Population Attributable Fraction

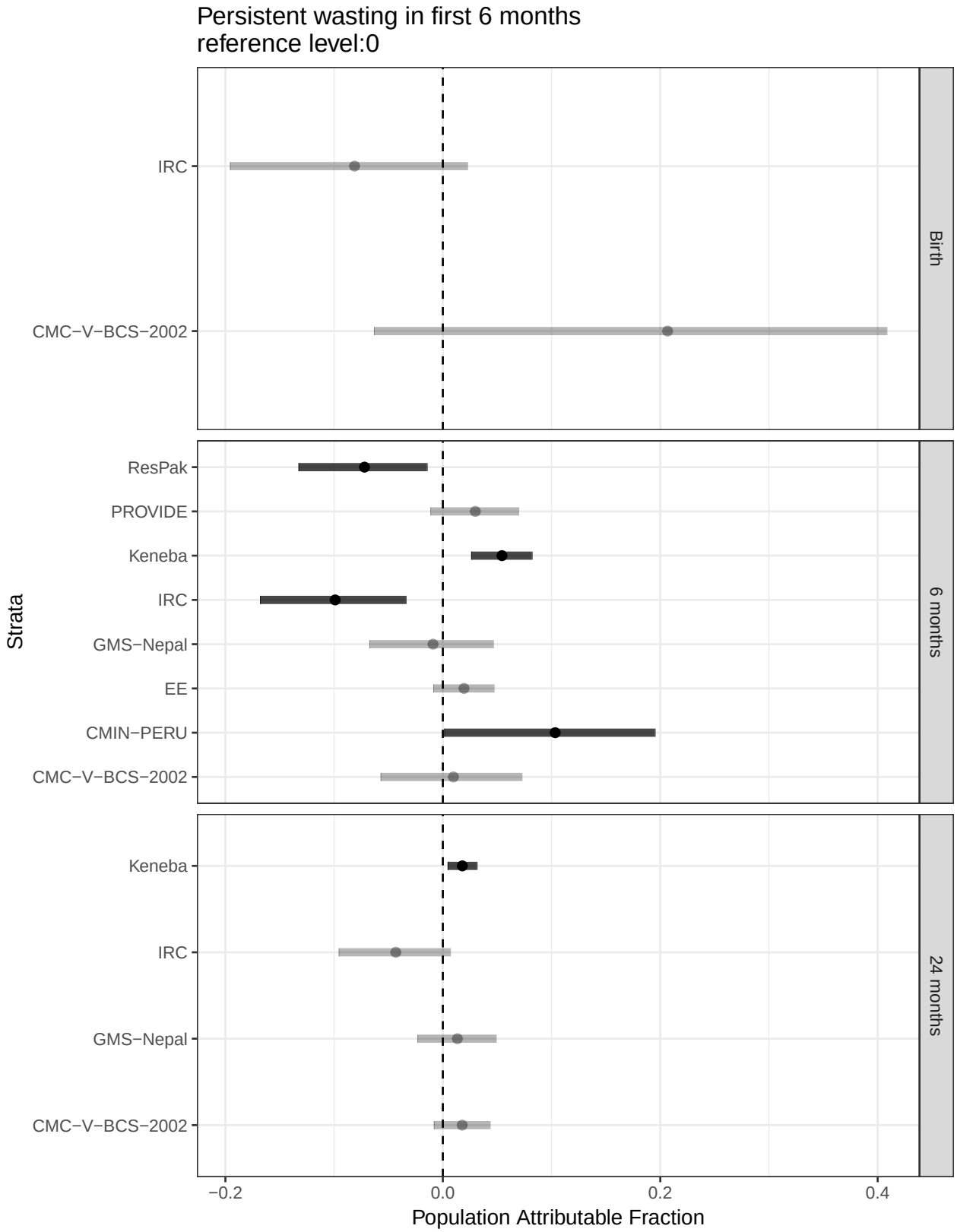

Enrolled wasted
reference level:0
Strata
Birth
6 months
24 months
ZVITAMBO
MAL−ED−INDIA
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
ZVITAMBO
SAS−FoodSuppl
SAS−CompFeed
ResPak
PROBIT
NIH−Birth
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
ZVITAMBO
PROBIT
NIH−Birth
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
−0.1
0.0
0.1
0.2
Population Attributable Fraction

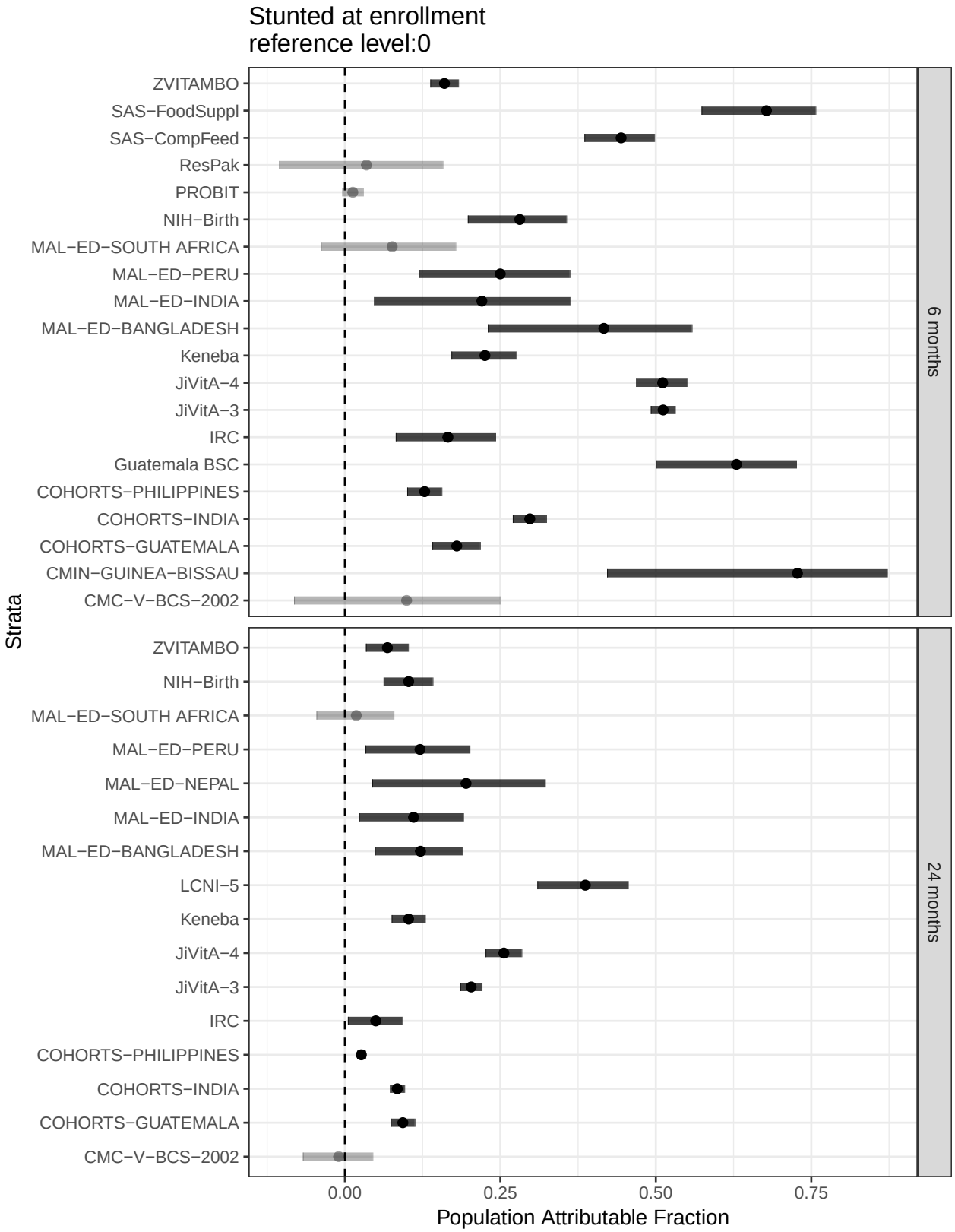

Gestational age at birth in days
reference level:[273−287)
Strata
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
Birth
TanzaniaChild2
PROBIT
Keneba
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
6 months
PROBIT
Keneba
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
24 months
−0.2
0.0
0.2
0.4
0.6
Population Attributable Fraction

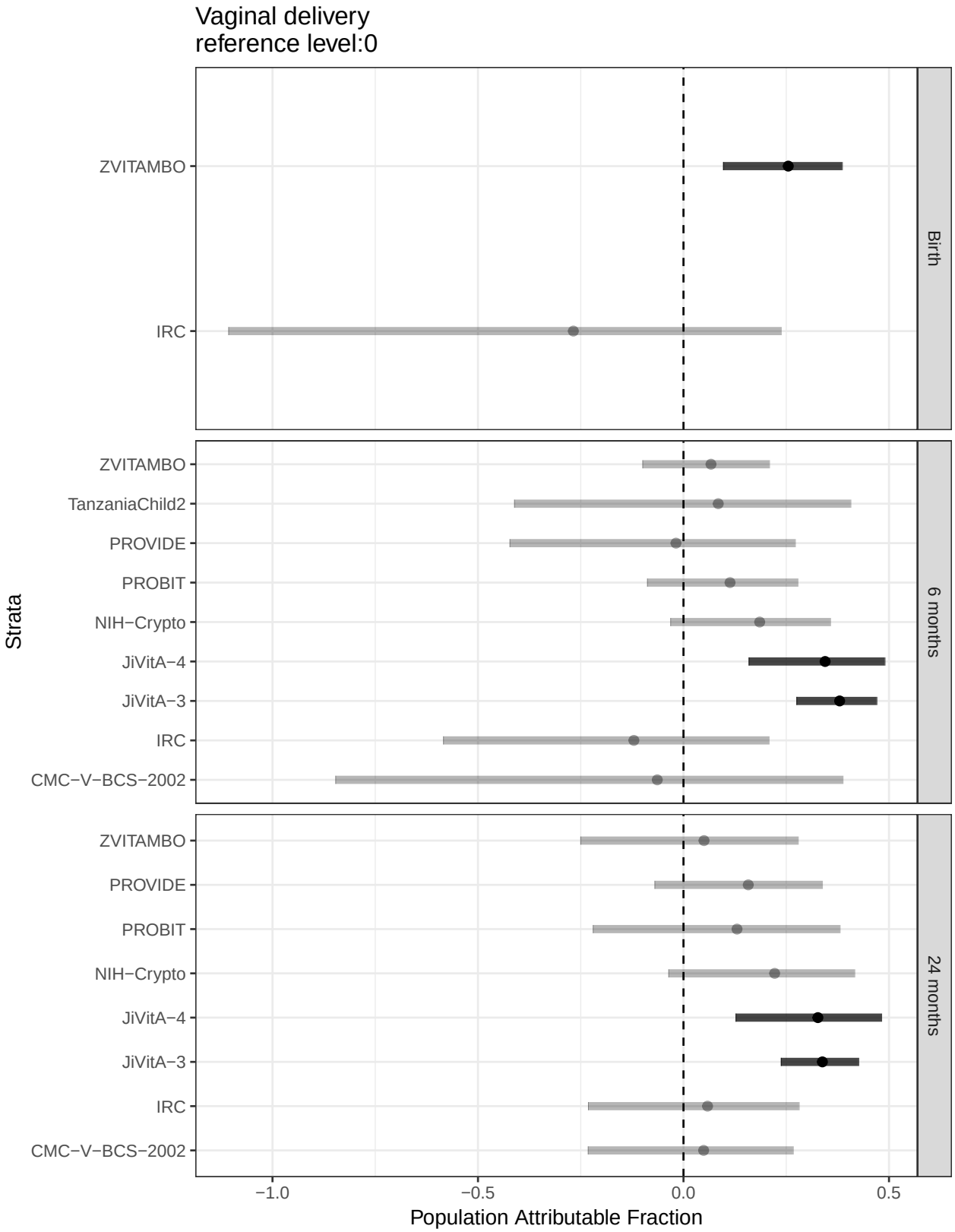

Percent diarrhea in first 24 months
reference level:Q1
Strata
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
Birth
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
Guatemala BSC
EE
CMIN−PERU
6 months
PROVIDE
NIH−Crypto
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
CMIN−PERU
CMIN−GUINEA−BISSAU
24 months
−2
−1
0
Population Attributable Fraction


Percent diarrhea in first 6 months
reference level:Q1
Strata
ResPak
6 months
−0.06
−0.04
−0.02
0.00
0.02
Population Attributable Fraction

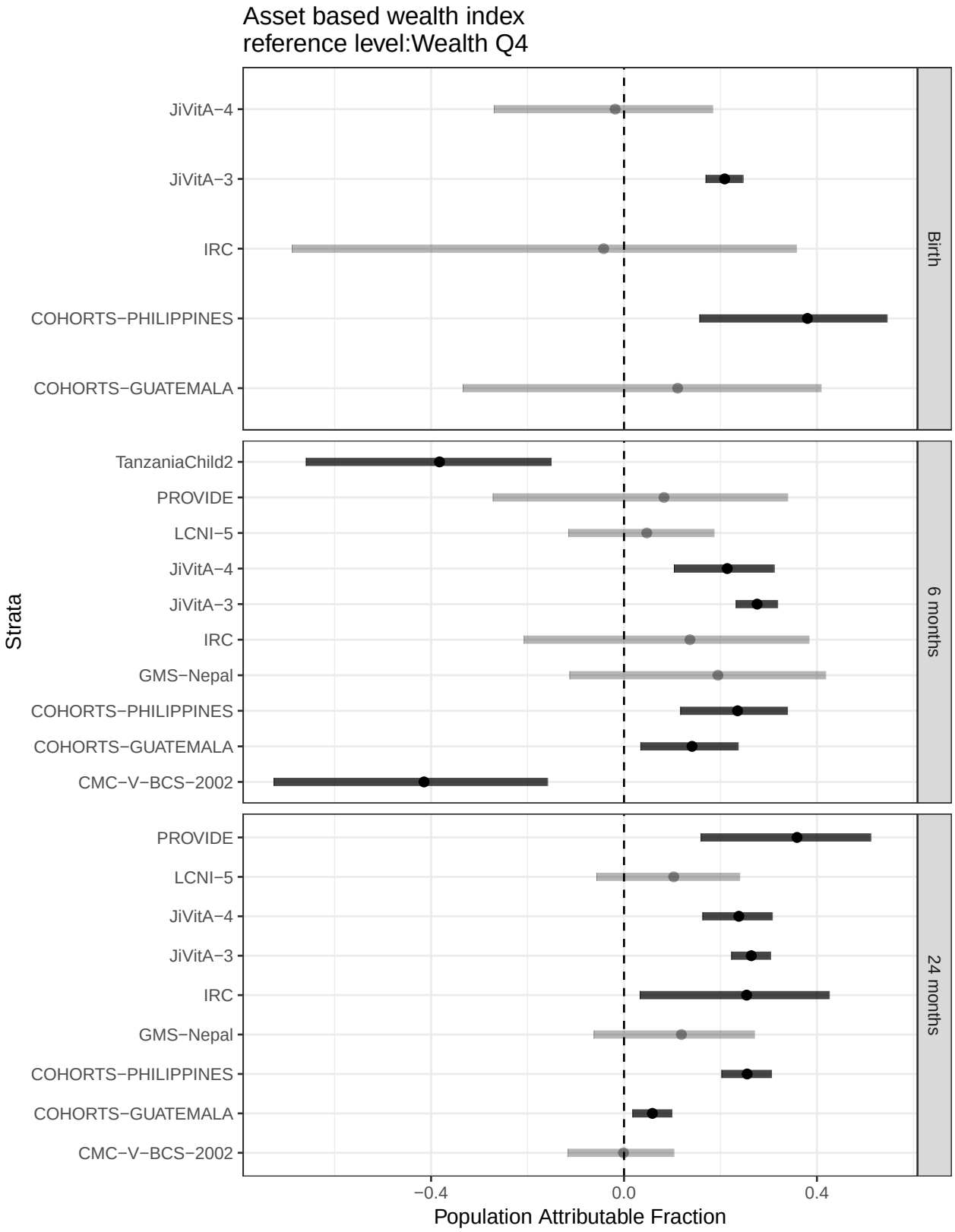

Percent exclusive breastfeeding
reference level:0
Strata
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
Birth
SAS−CompFeed
PROVIDE
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
GMS−Nepal
EE
6 months
PROVIDE
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
GMS−Nepal
24 months
−1.0
−0.5
0.0
0.5
Population Attributable Fraction

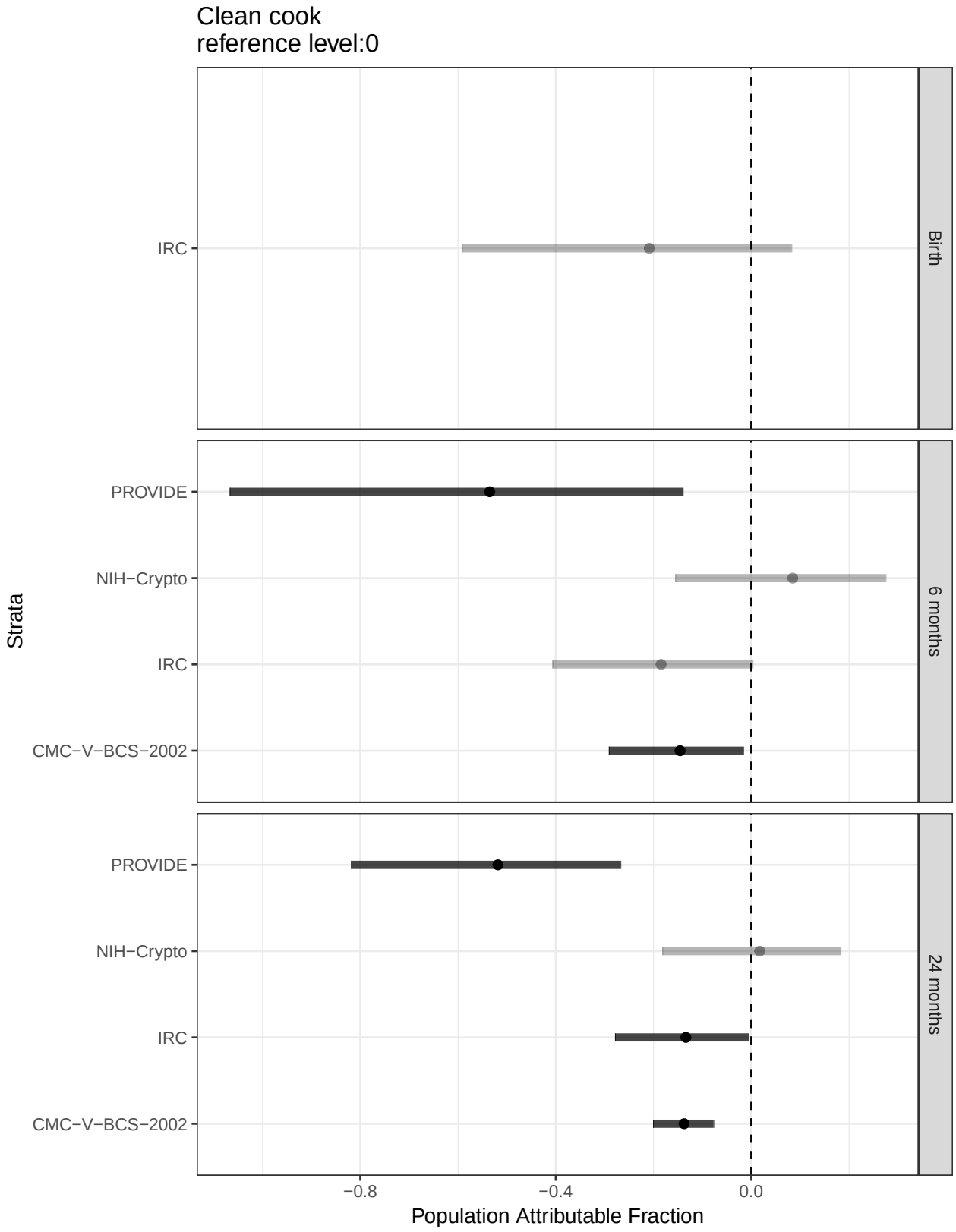

Persistent wasting in first 6 months
reference level:0
Strata
IRC
CMC−V−BCS−2002
Birth
ResPak
PROVIDE
Keneba
IRC
GMS−Nepal
EE
CMIN−PERU
CMC−V−BCS−2002
6 months
Keneba
IRC
GMS−Nepal
CMC−V−BCS−2002
24 months
−0.2
0.0
0.2
0.4
Population Attributable Fraction

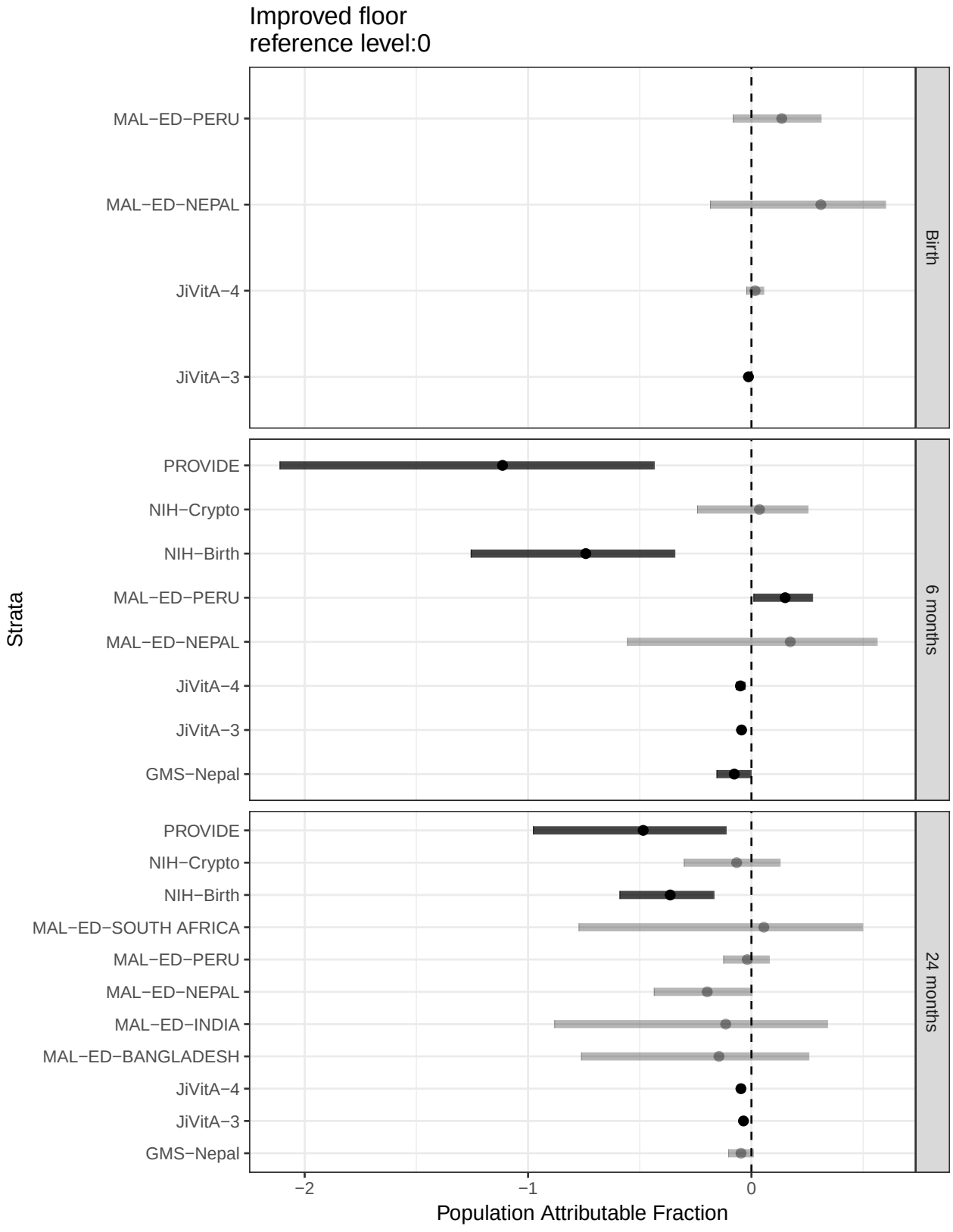

Stunted at enrollment
reference level:0
Strata
ZVITAMBO
SAS−FoodSuppl
SAS−CompFeed
ResPak
PROBIT
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
Keneba
JiVitA−4
JiVitA−3
IRC
Guatemala BSC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMIN−GUINEA−BISSAU
CMC−V−BCS−2002
6 months
ZVITAMBO
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
LCNI−5
Keneba
JiVitA−4
JiVitA−3
IRC
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
CMC−V−BCS−2002
24 months
0.00
0.25
0.50
0.75
Population Attributable Fraction

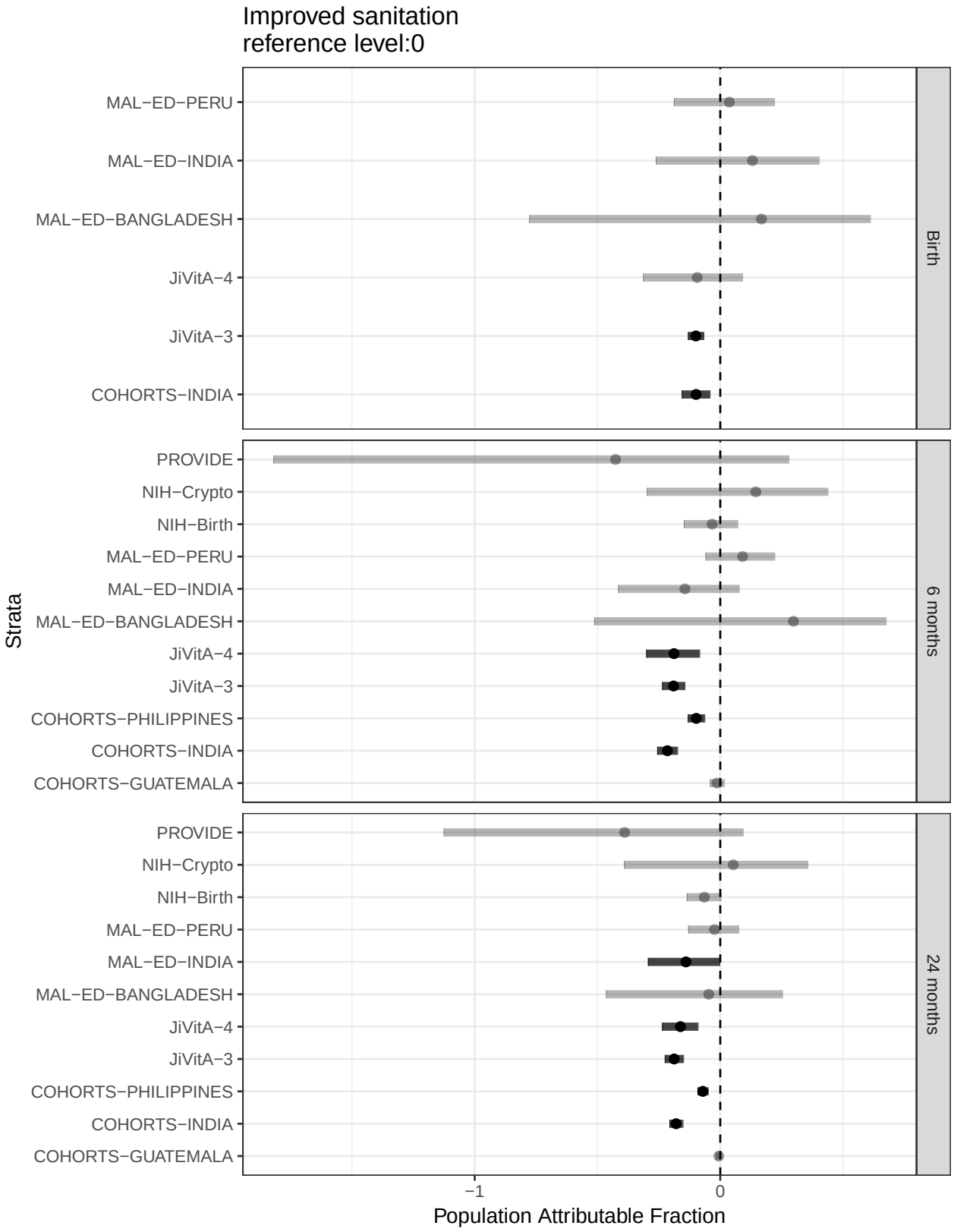

Vaginal delivery
reference level:0
Strata
ZVITAMBO
IRC
Birth
ZVITAMBO
TanzaniaChild2
PROVIDE
PROBIT
NIH−Crypto
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
6 months
ZVITAMBO
PROVIDE
PROBIT
NIH−Crypto
JiVitA−4
JiVitA−3
IRC
CMC−V−BCS−2002
24 months
−1.0
−0.5
0.0
0.5
Population Attributable Fraction

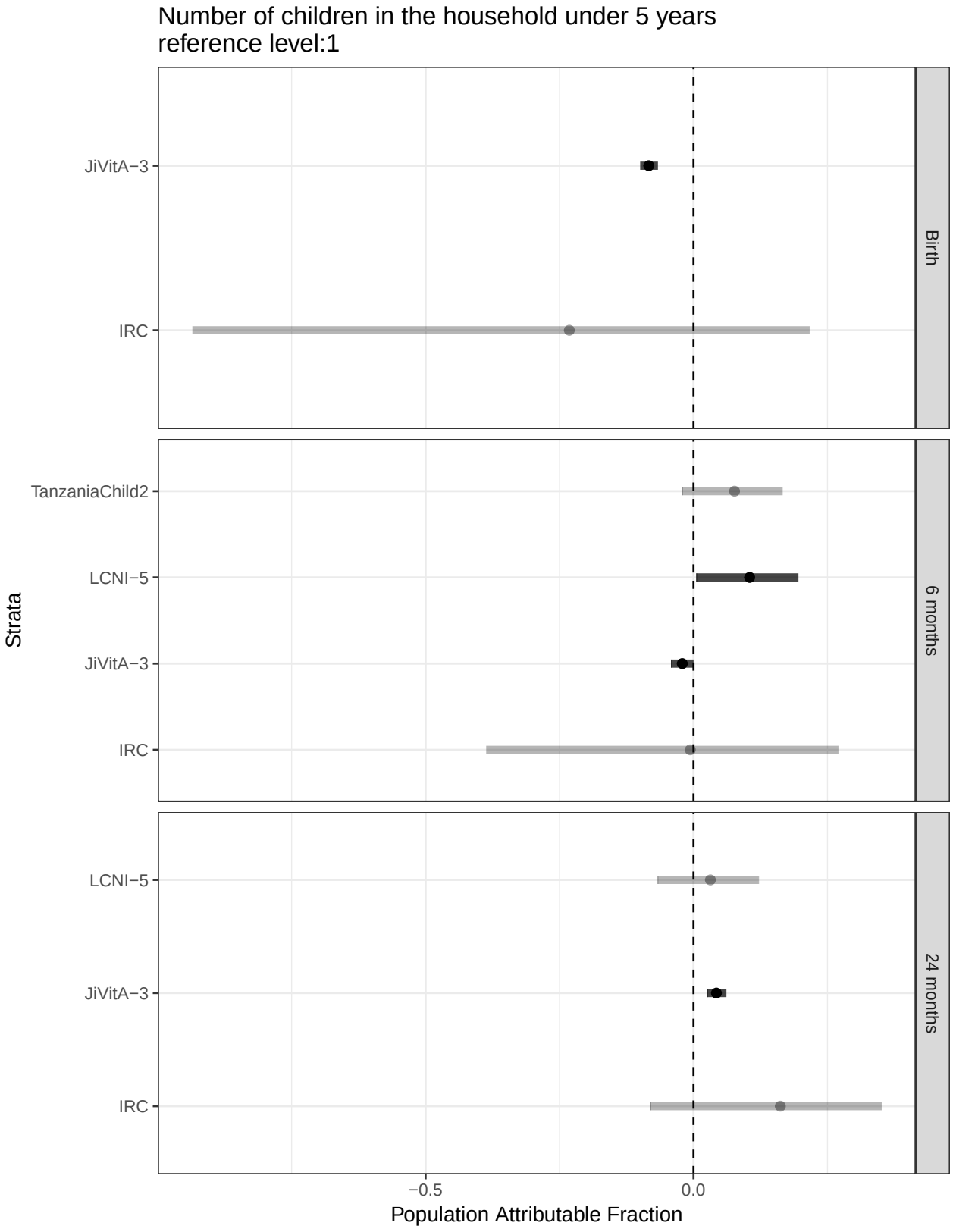
Household characteristics

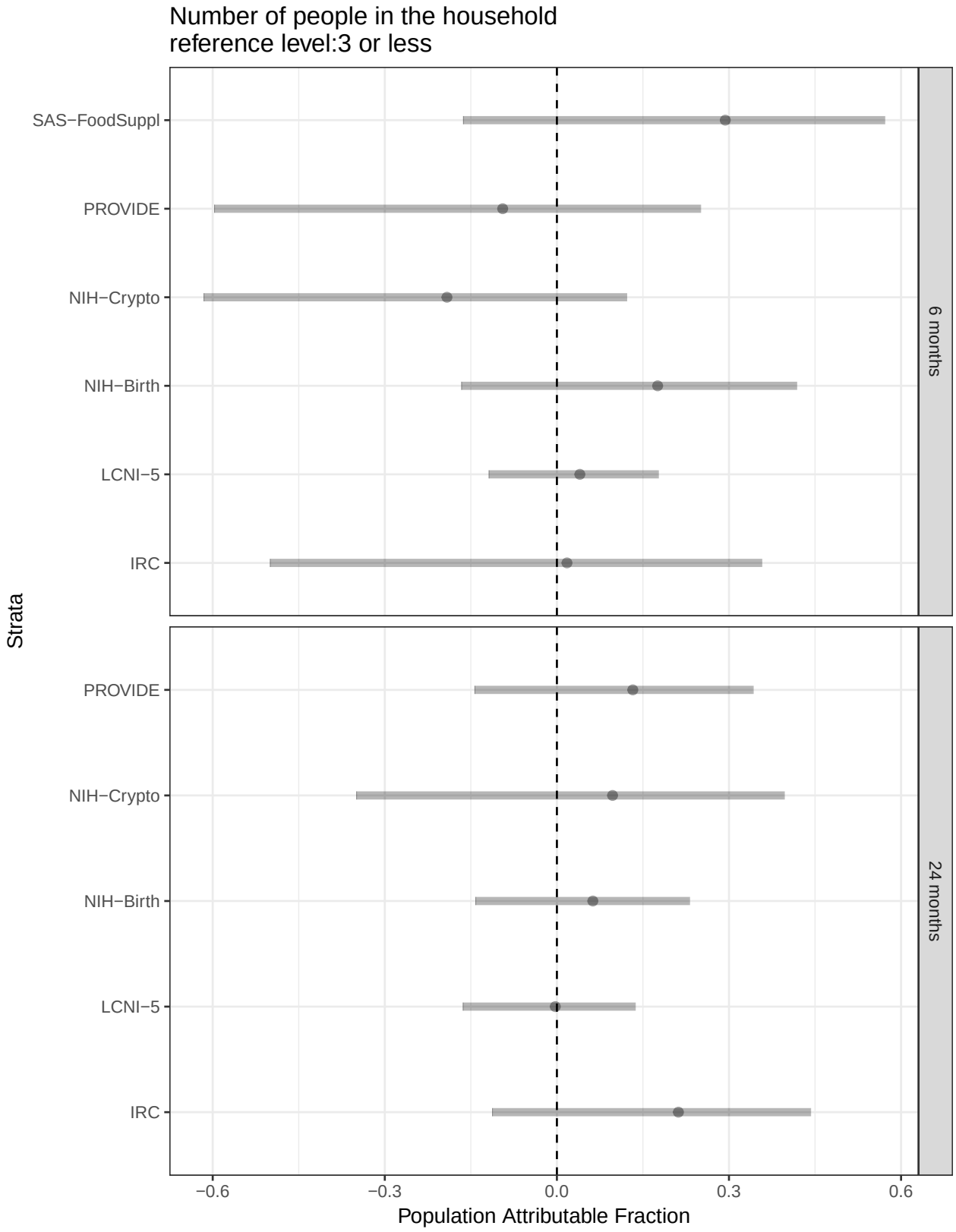


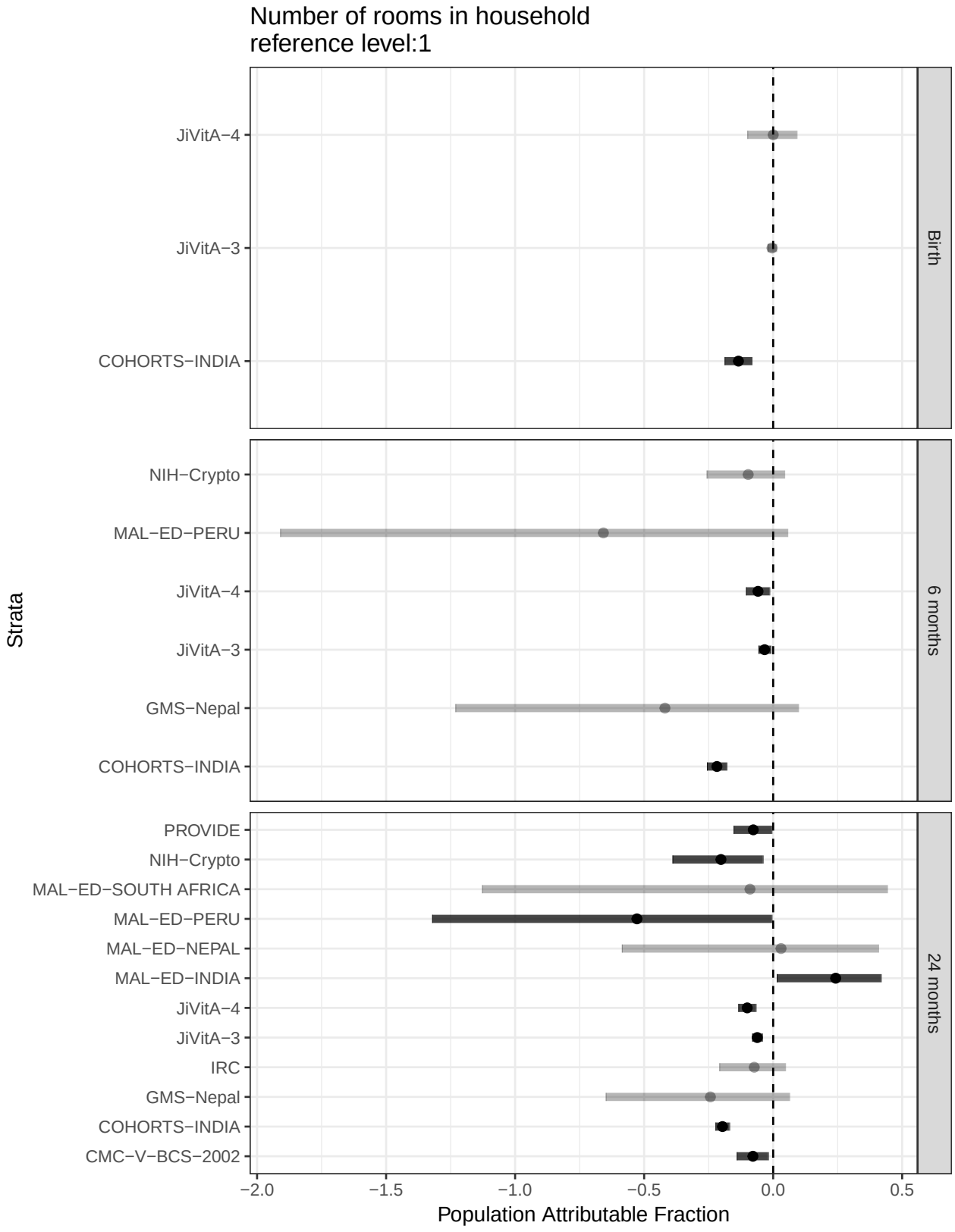

Clean cook
reference level:0
Birth
6 months
24 months
IRC
PROVIDE
NIH−Crypto
IRC
CMC−V−BCS−2002
PROVIDE
NIH−Crypto
IRC
CMC−V−BCS−2002
Strata
−0.8
−0.4
0.0
Population Attributable Fraction

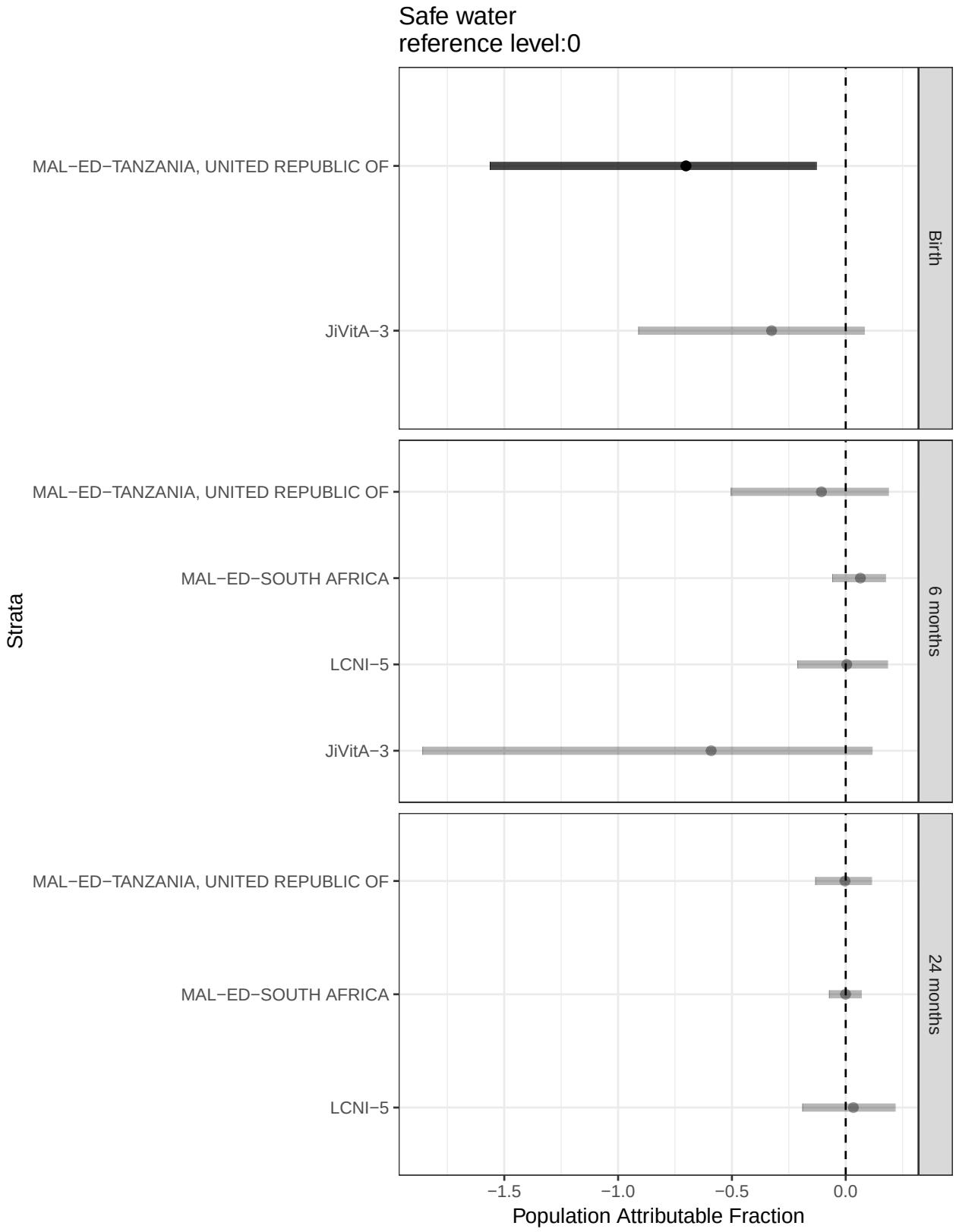

Improved floor
reference level:0
Strata
MAL−ED−PERU
MAL−ED−NEPAL
JiVitA−4
JiVitA−3
Birth
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−NEPAL
JiVitA−4
JiVitA−3
GMS−Nepal
6 months
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
GMS−Nepal
24 months
−2
−1
0
Population Attributable Fraction

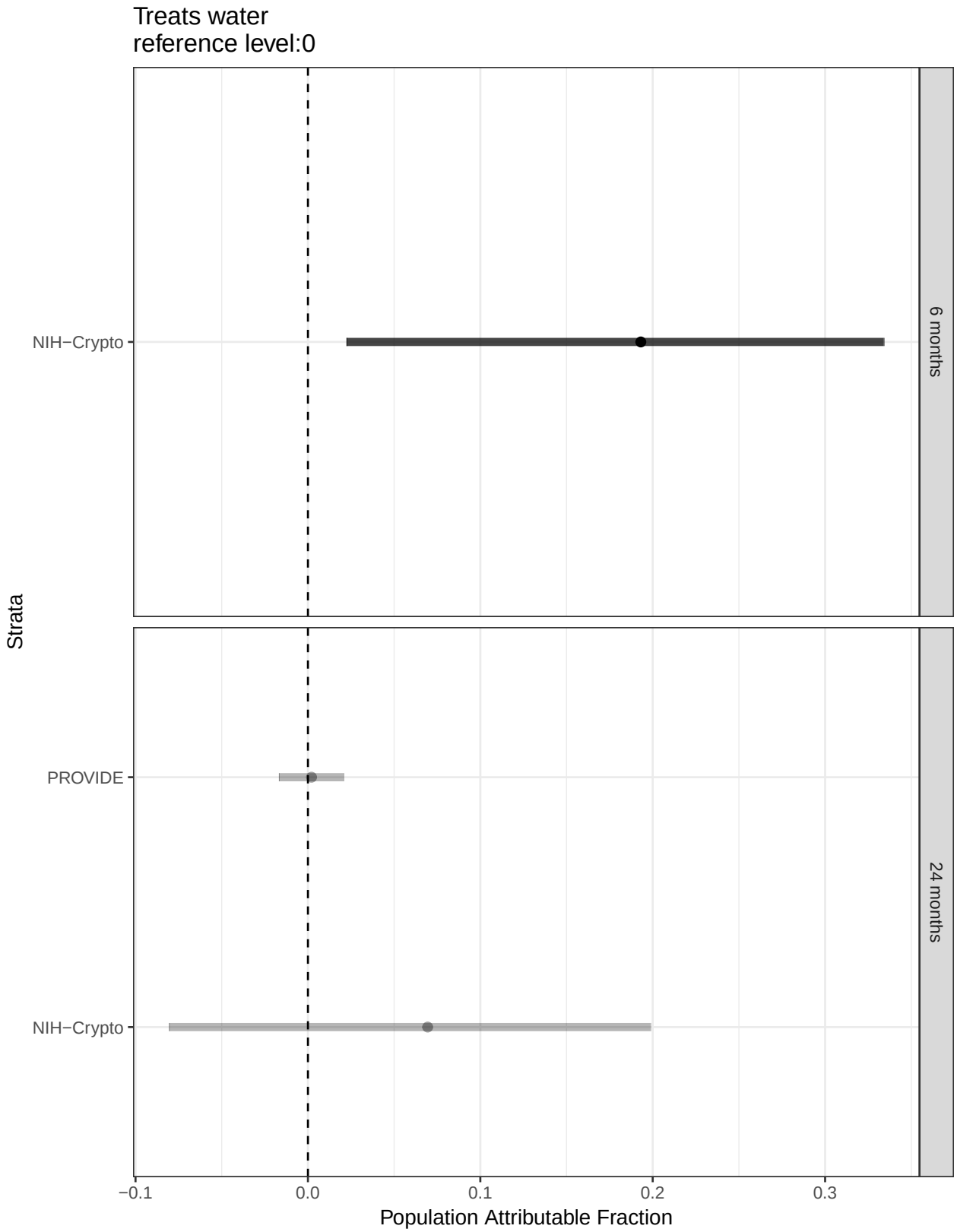

Improved sanitation
reference level:0
Strata
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
COHORTS−INDIA
Birth
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
6 months
PROVIDE
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
24 months
−1
0
Population Attributable Fraction

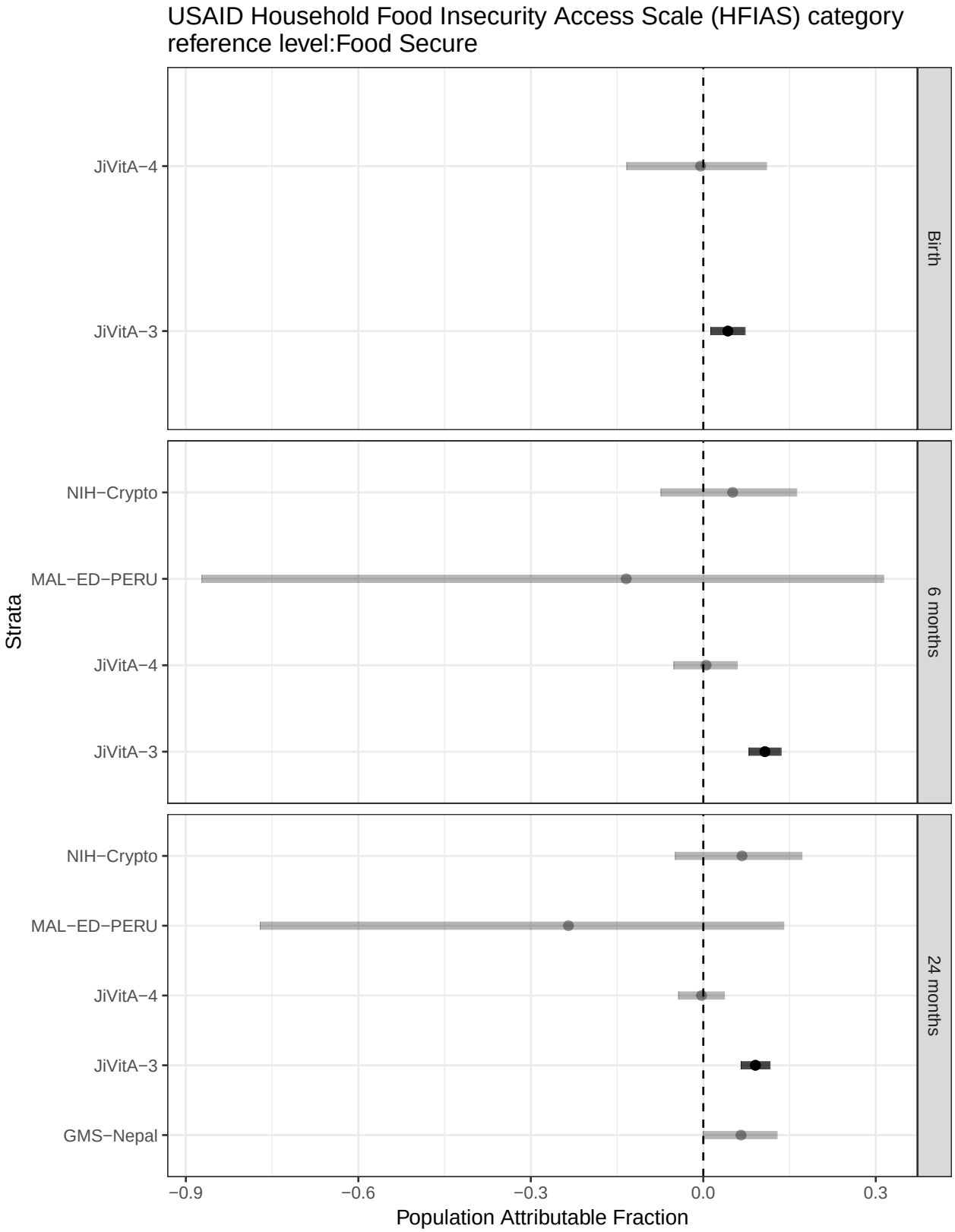

Number of children in the household under 5 years
reference level:1
Strata
JiVitA−3
IRC
Birth
TanzaniaChild2
LCNI−5
JiVitA−3
IRC
6 months
LCNI−5
JiVitA−3
IRC
24 months
−0.5
0.0
Population Attributable Fraction


Number of people in the household
reference level:3 or less
Strata
SAS−FoodSuppl
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
IRC
6 months
PROVIDE
NIH−Crypto
NIH−Birth
LCNI−5
IRC
24 months
−0.6
−0.3
0.0
0.3
0.6
Population Attributable Fraction

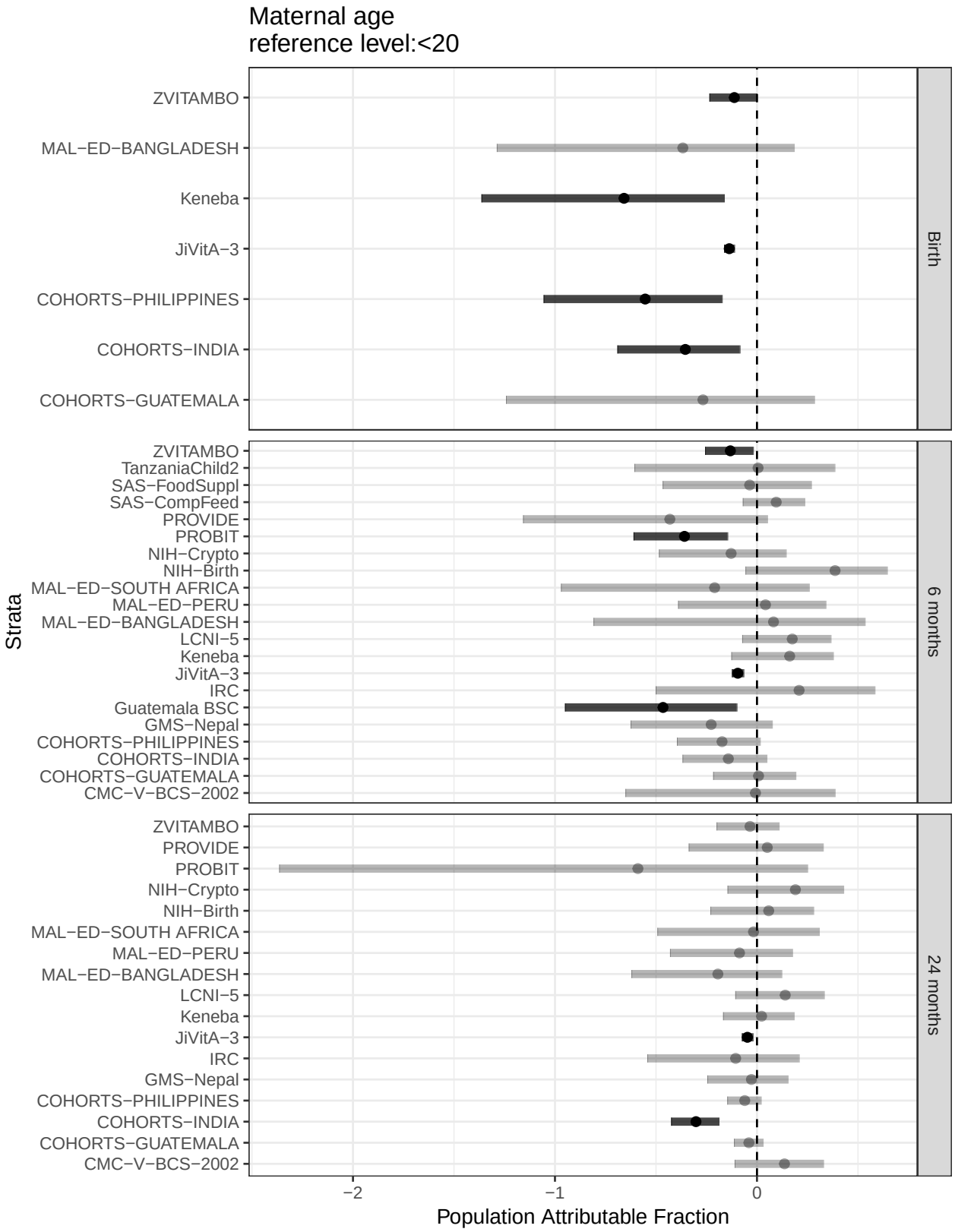

Number of rooms in household
reference level:1
Strata
Birth
JiVitA−4
JiVitA−3
COHORTS−INDIA
6 months
NIH−Crypto
MAL−ED−PERU
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−INDIA
24 months
PROVIDE
NIH−Crypto
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−NEPAL
MAL−ED−INDIA
JiVitA−4
JiVitA−3
IRC
GMS−Nepal
COHORTS−INDIA
CMC−V−BCS−2002
−2.0
−1.5
−1.0
−0.5
0.0
0.5
Population Attributable Fraction

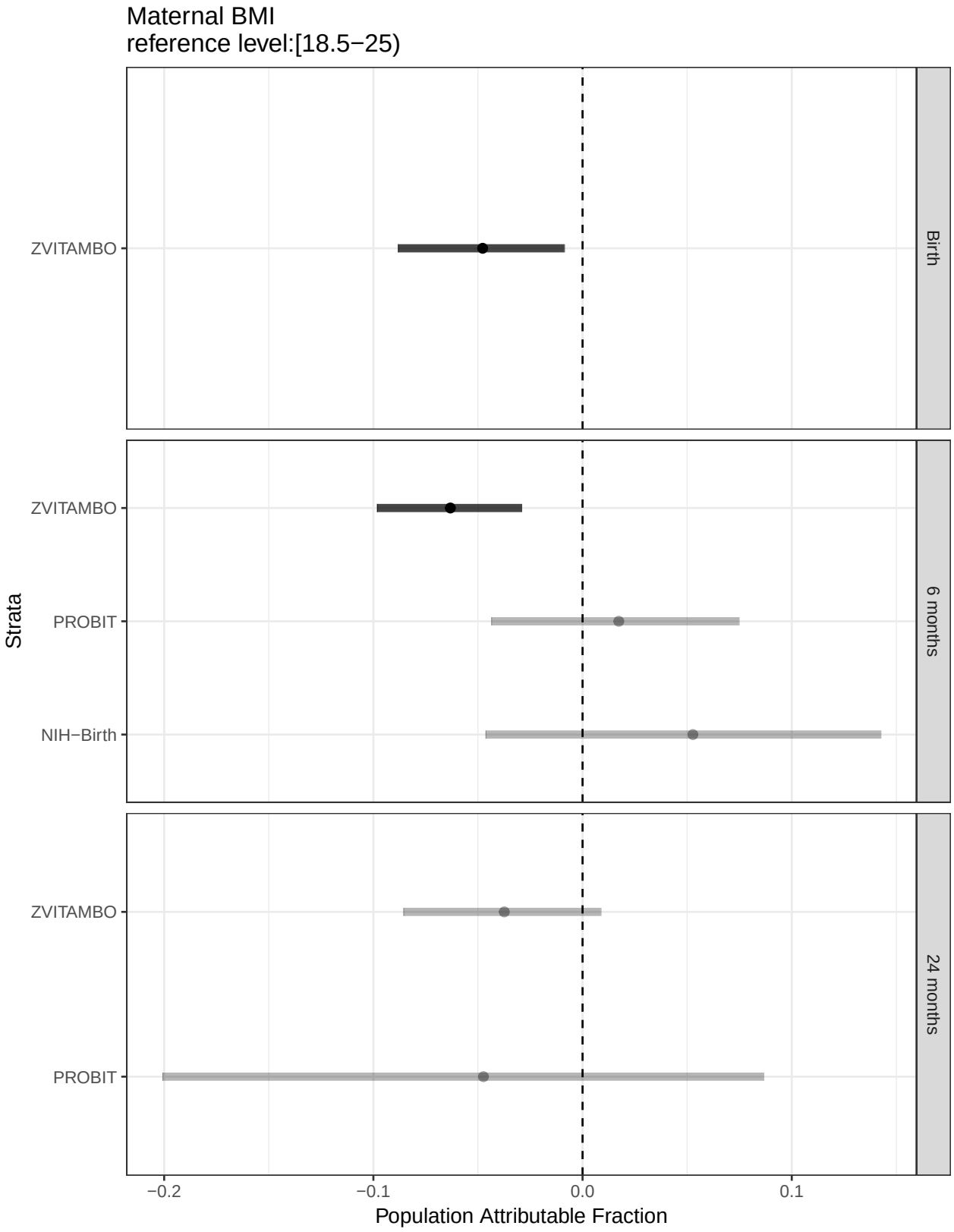

Safe water
reference level:0
Strata
MAL−ED−TANZANIA, UNITED REPUBLIC OF
JiVitA−3
Birth
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−SOUTH AFRICA
LCNI−5
JiVitA−3
6 months
MAL−ED−TANZANIA, UNITED REPUBLIC OF
MAL−ED−SOUTH AFRICA
LCNI−5
24 months
−1.5
−1.0
−0.5
0.0
Population Attributable Fraction

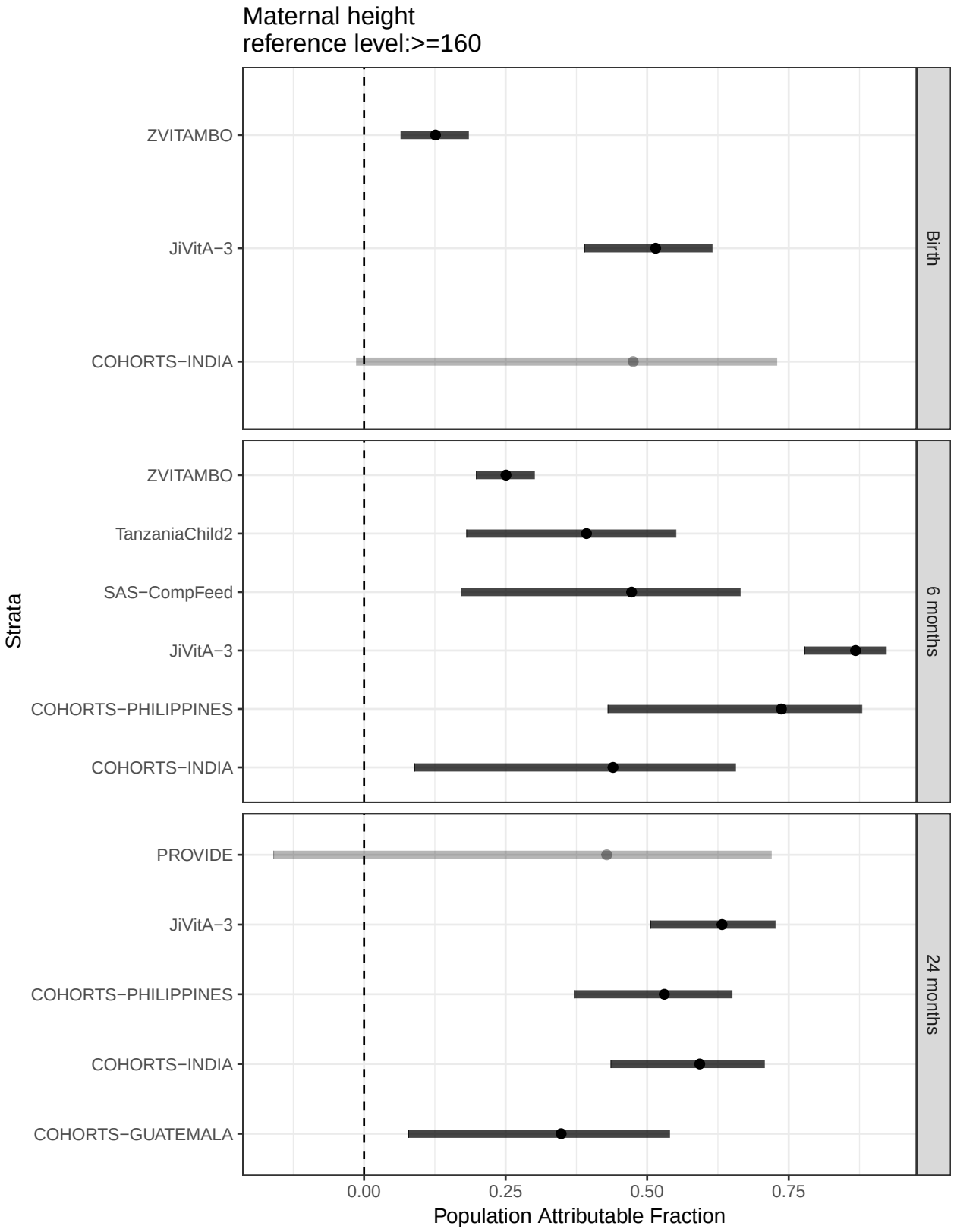

Treats water
reference level:0
6 months
24 months
NIH−Crypto
PROVIDE
NIH−Crypto
Strata
−0.1
0.0
0.1
0.2
0.3
Population Attributable Fraction

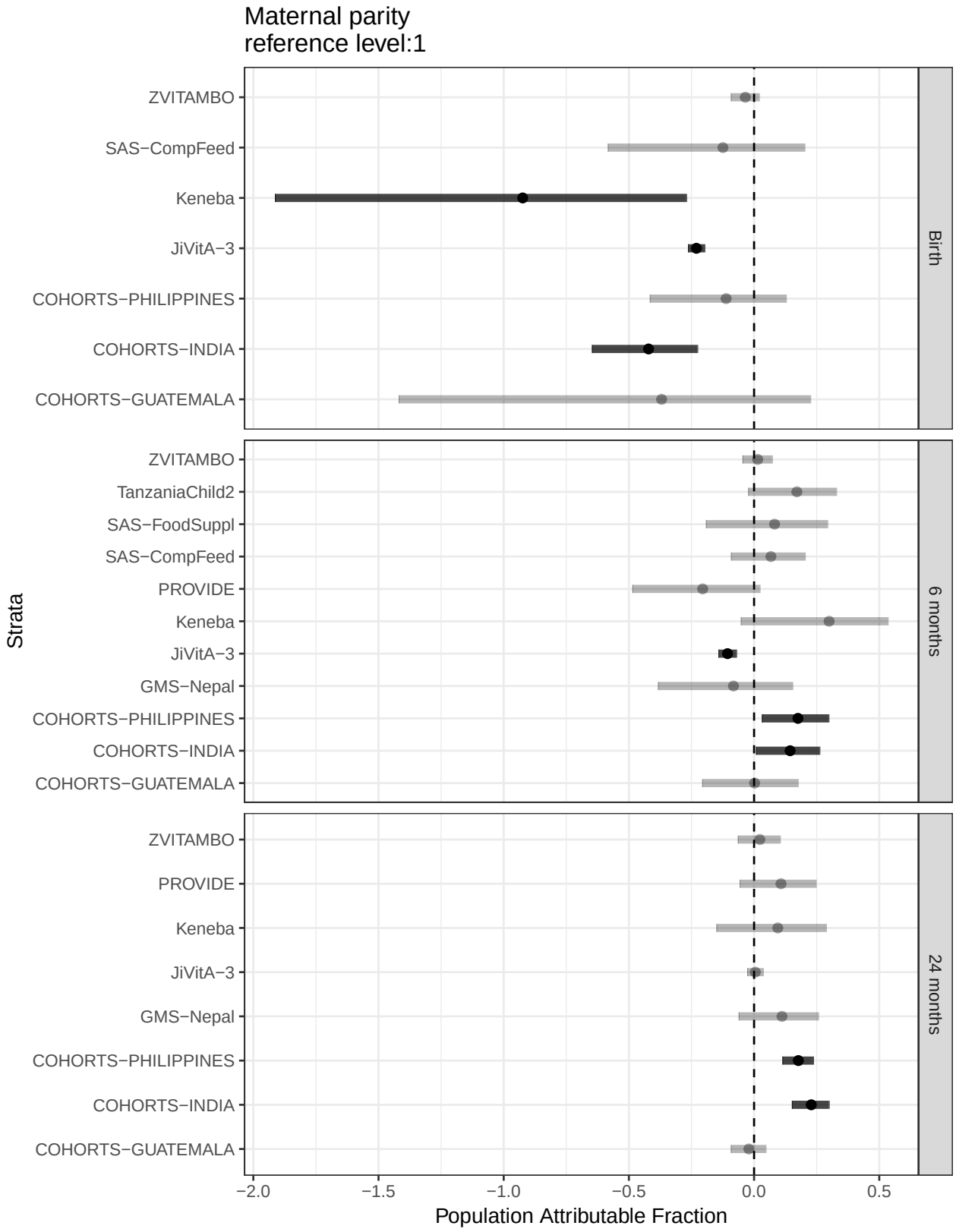

USAID Household Food Insecurity Access Scale (HFIAS) category
reference level:Food Secure
Strata
JiVitA−4
JiVitA−3
Birth
NIH−Crypto
MAL−ED−PERU
JiVitA−4
JiVitA−3
6 months
NIH−Crypto
MAL−ED−PERU
JiVitA−4
JiVitA−3
GMS−Nepal
24 months
−0.9
−0.6
−0.3
0.0
0.3
Population Attributable Fraction

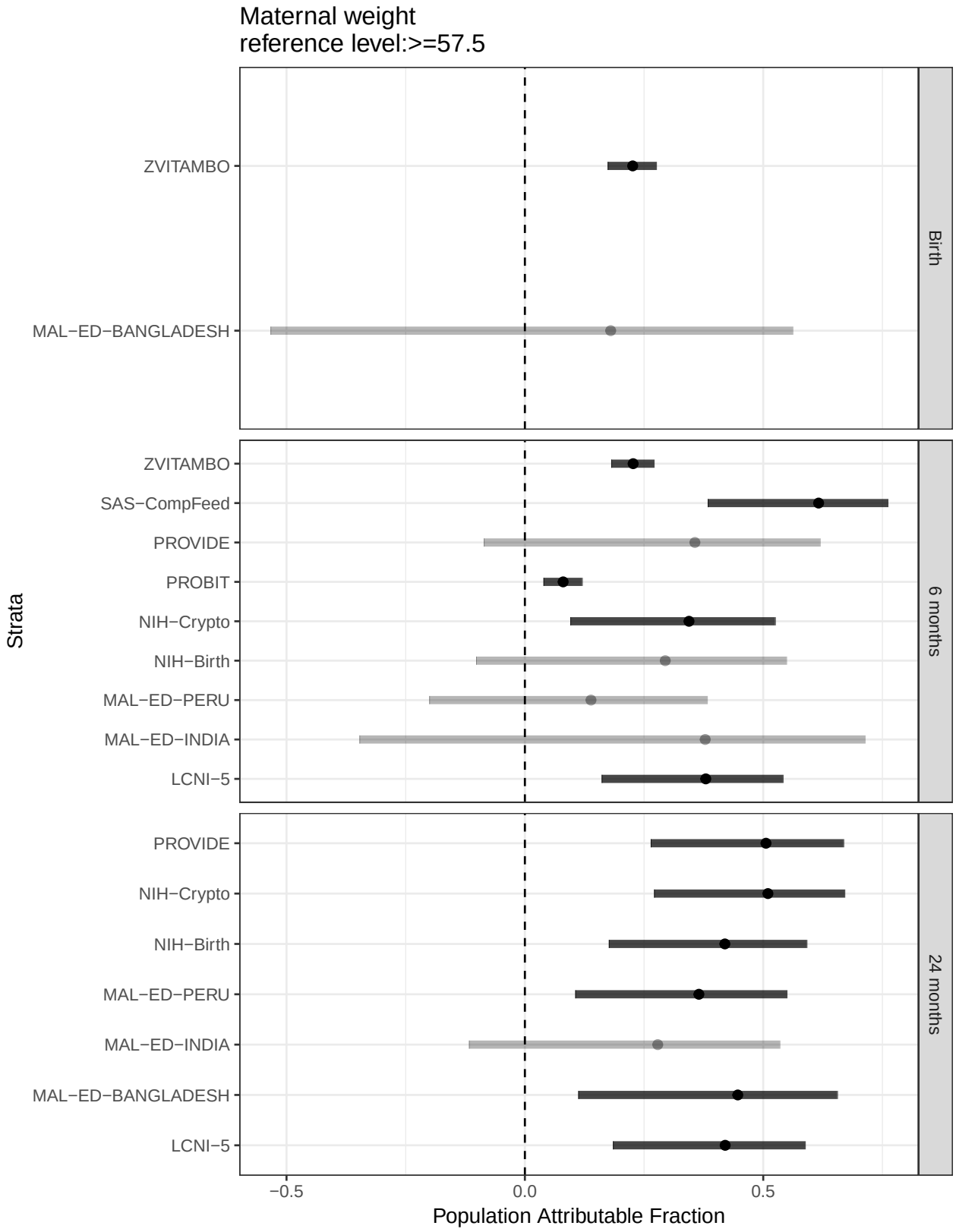
Maternal characteristics

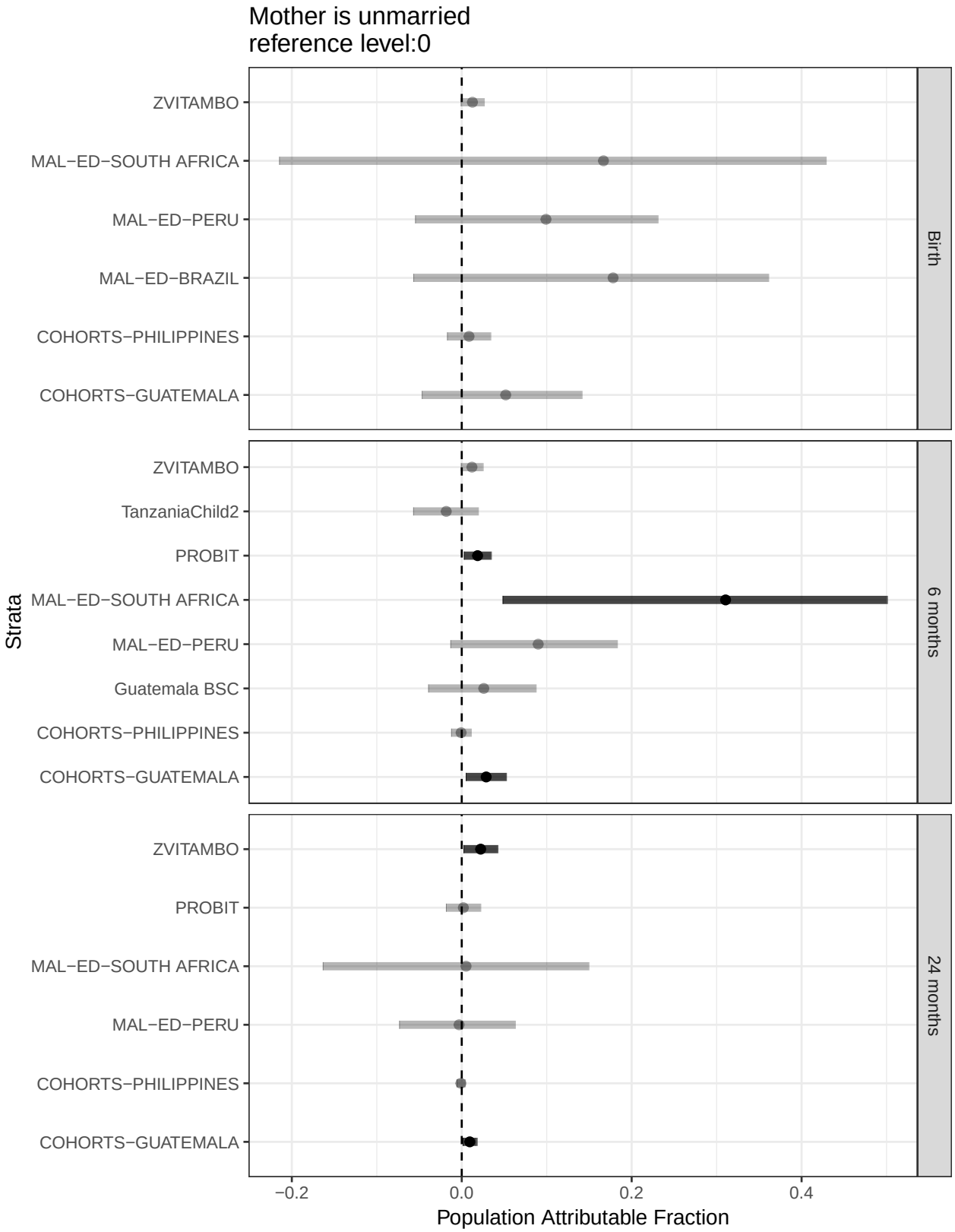


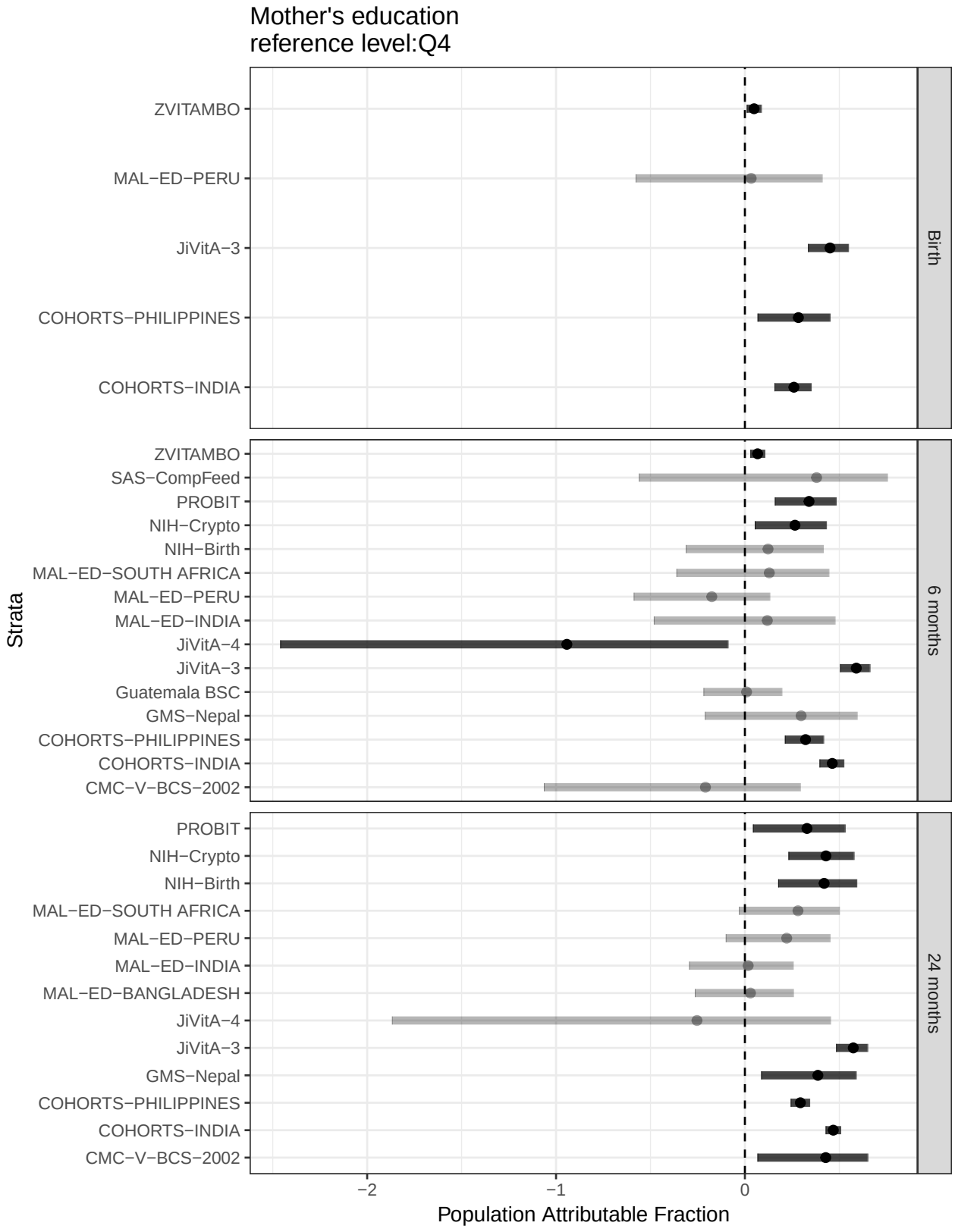

Maternal BMI
reference level:[18.5−25)
Strata
ZVITAMBO
ZVITAMBO
PROBIT
NIH−Birth
ZVITAMBO
PROBIT
Birth
6 months
24 months
−0.2
−0.1
0.0
0.1
Population Attributable Fraction


Maternal height
reference level:>=160
Strata
ZVITAMBO
JiVitA−3
COHORTS−INDIA
Birth
ZVITAMBO
TanzaniaChild2
SAS−CompFeed
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
PROVIDE
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
24 months
0.00
0.25
0.50
0.75
Population Attributable Fraction

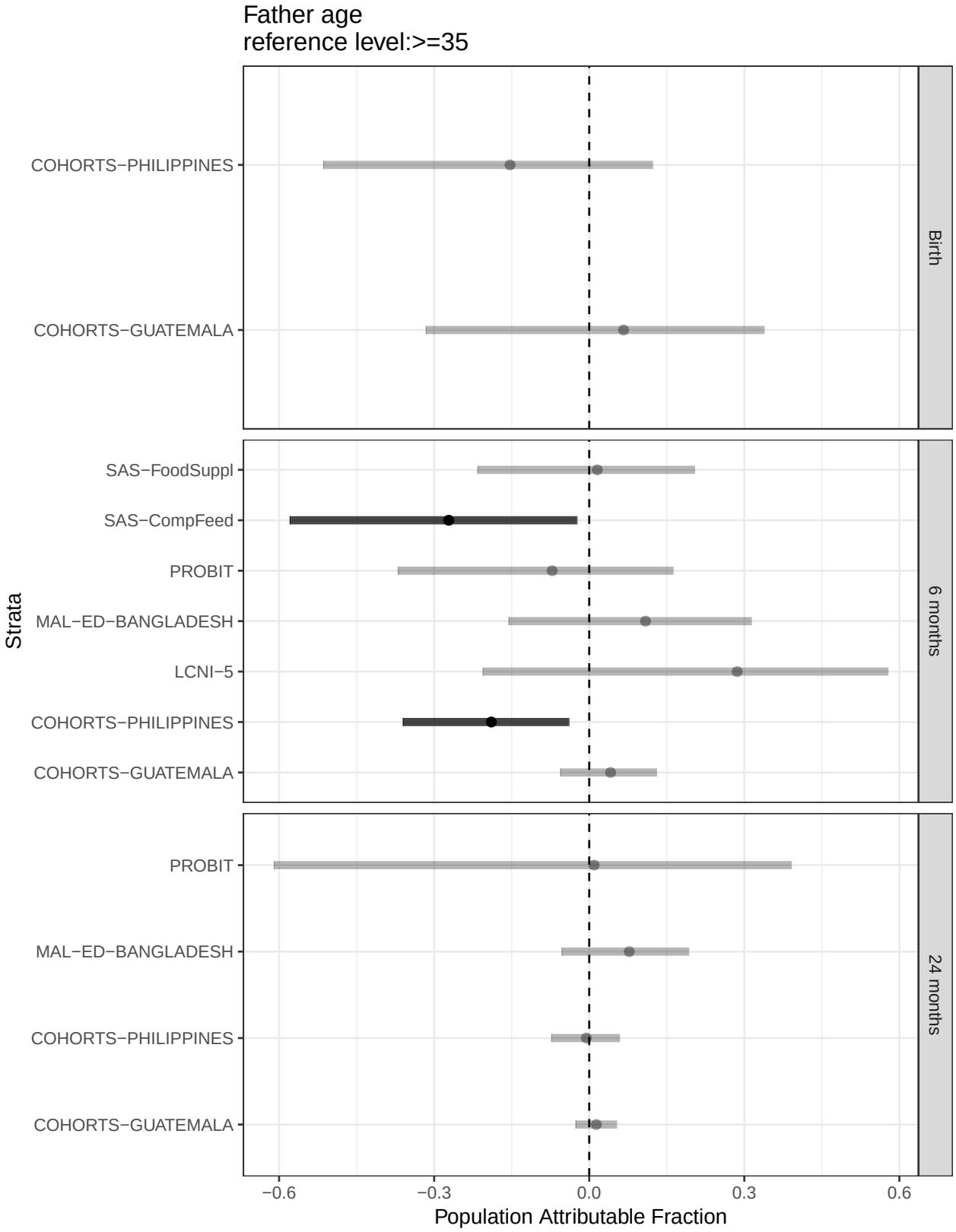

Maternal parity
reference level:1
Strata
ZVITAMBO
SAS−CompFeed
Keneba
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
Birth
ZVITAMBO
TanzaniaChild2
SAS−FoodSuppl
SAS−CompFeed
PROVIDE
Keneba
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
6 months
ZVITAMBO
PROVIDE
Keneba
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
COHORTS−GUATEMALA
24 months
−2.0
−1.5
−1.0
−0.5
0.0
0.5
Population Attributable Fraction

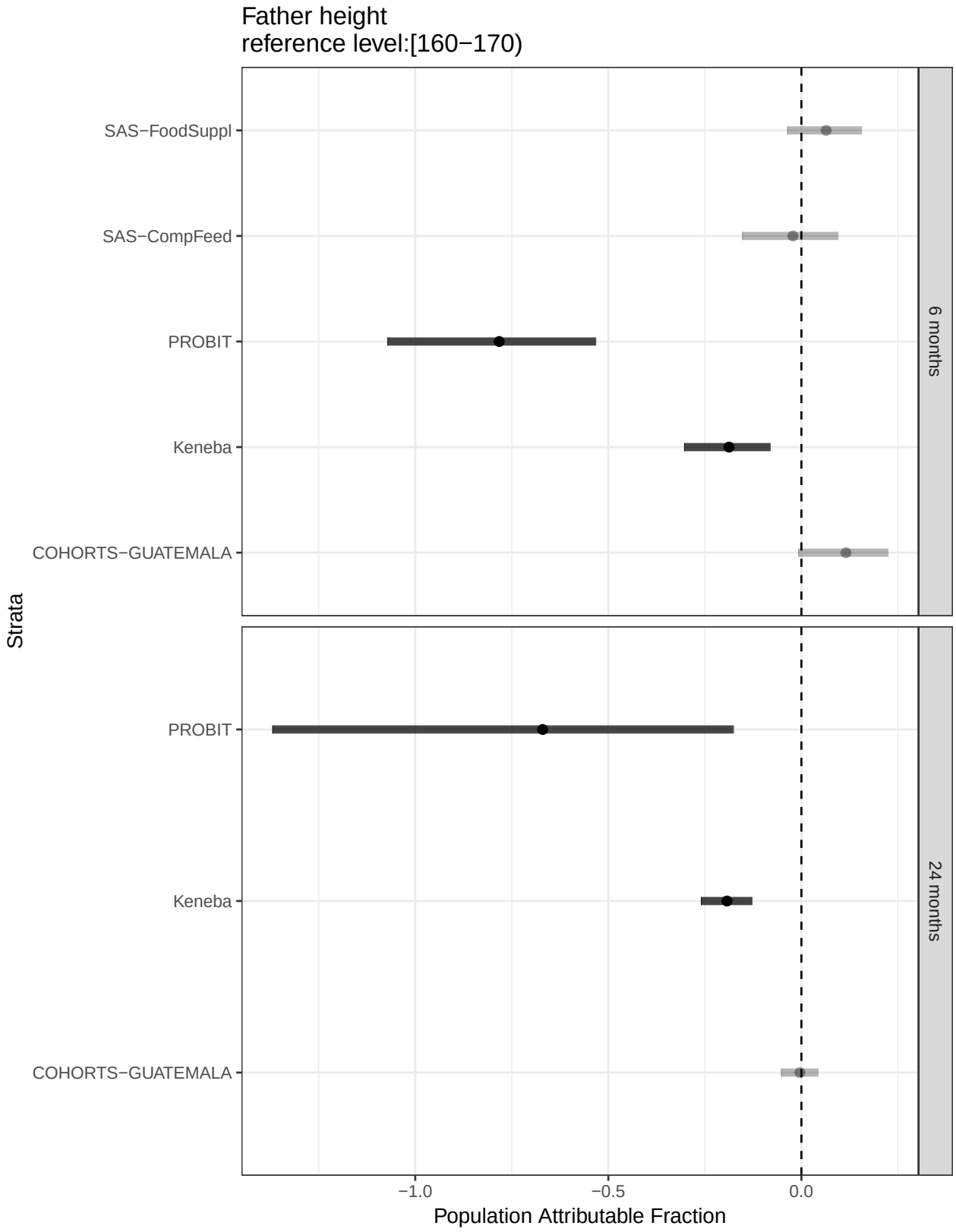

Maternal weight
reference level:>=57.5
Strata
Birth
6 months
24 months
ZVITAMBO
MAL−ED−BANGLADESH
SAS−CompFeed
PROVIDE
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−PERU
MAL−ED−INDIA
LCNI−5
−0.5
0.0
0.5
Population Attributable Fraction

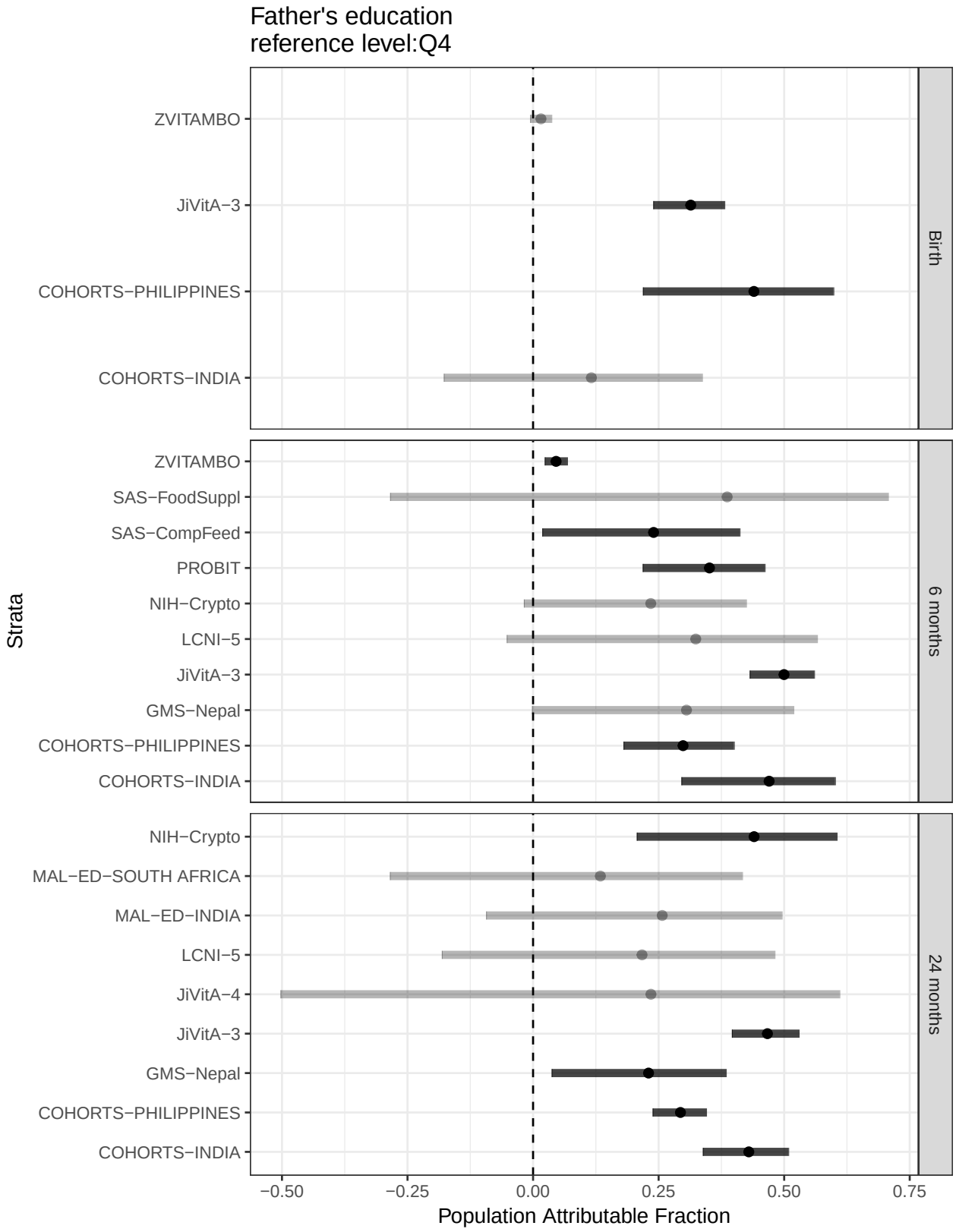

Mother is unmarried
reference level:0
Strata
ZVITAMBO
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−BRAZIL
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
Birth
ZVITAMBO
TanzaniaChild2
PROBIT
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
Guatemala BSC
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
6 months
ZVITAMBO
PROBIT
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
COHORTS−PHILIPPINES
COHORTS−GUATEMALA
24 months
−0.2
0.0
0.2
0.4
Population Attributable Fraction


Mother's education
reference level:Q4
Strata
ZVITAMBO
MAL−ED−PERU
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
Birth
ZVITAMBO
SAS−CompFeed
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−INDIA
JiVitA−4
JiVitA−3
Guatemala BSC
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
CMC−V−BCS−2002
6 months
PROBIT
NIH−Crypto
NIH−Birth
MAL−ED−SOUTH AFRICA
MAL−ED−PERU
MAL−ED−INDIA
MAL−ED−BANGLADESH
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
CMC−V−BCS−2002
24 months
−2
−1
0
Population Attributable Fraction

Paternal characteristics




Father height
reference level:[160−170)
SAS−FoodSuppl
SAS−CompFeed
PROBIT
Keneba
COHORTS−GUATEMALA
6 months
PROBIT
Keneba
COHORTS−GUATEMALA
24 months
Strata
−1.0
−0.5
0.0
Population Attributable Fraction


Father's education
reference level:Q4
Strata
Birth
ZVITAMBO
JiVitA−3
COHORTS−PHILIPPINES
COHORTS−INDIA
6 months
ZVITAMBO
SAS−FoodSuppl
SAS−CompFeed
PROBIT
NIH−Crypto
LCNI−5
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
24 months
NIH−Crypto
MAL−ED−SOUTH AFRICA
MAL−ED−INDIA
LCNI−5
JiVitA−4
JiVitA−3
GMS−Nepal
COHORTS−PHILIPPINES
COHORTS−INDIA
−0.50
−0.25
0.00
0.25
0.50
0.75
Population Attributable Fraction