Supplemental table 1 Linear models for fecal biomarkersa quartile groups and 3-month length velocity z-scores, children 9-24 months, Bhaktapur, Nepal

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **9-12 monthsb**n=162 | **12-15 months**n=207 | **15-18 months**n=143 | **18-21 months**n=202 | **21-24 months**n=201 | **9-24 monthsc**n= 231 |
| B | CI | ß | B | CI | ß | B | CI | ß | B | CI | ß | B | CI | ß | B | CI | ß |
| AATLowMediumHighHAZdDiarrheaeConstantMPOLowMediumHighHAZDiarrheaConstantNEOLowMediumHighHAZDiarrheaConstant | Ref-0.030.170.02-0.80-0.55Ref0.110.030.02-0.72-0.59Ref0.18-0.250.06-0.54-0.53 | -0.43, 0.37-0.30, 0.64-0.15, 0.19-4.42, 2,81-0.30, 0.51-0.43, 0.50-0.15, 0.19-4.37, 2.92-0.22, 0.58-0.71, 0.20-0.12, 0.23-4.09, 3.01 | -0.020.070.02-0.040.050.010.02-0.030.09-0.110.05-0.02 | Ref0.02-0.13-0.071.20-0.76Ref0.03**-0.47**-0.070.85-0.68Ref-0.04-0.13-0.071.20-0.73 |  -0.33, 0.36-0.53, 0.27-0.23, 0.09-1.43, 3.81-0.31, 0.36-0.86, -0.07-0.22, 0.09-1.72, 3.43-0.39, 0.31-0.53, 0.27-0.23, 0.09-1.42, 3.81 | 0.01-0.05-0.060.060.01-0.20-0.060.05-0.02-0.05-0.06 0.06 | Ref-0.40-0.120-2.57-0.43Ref-0.26-0.29-0.03-2.58-0.48Ref0.150-0.02-2.42-0.75 | -0.84, 0.06-0.65, 0.40-0.21, 0.21-6.83, 1.69-0.72, 0.19-0.81, 0.24-0.24, 0.18-6.86, 1.71-0.31, 0.60-0.53, 0.54-0.23, 0.19-6.81, 1.96 | -0.18-0.050-0.10-0.12-0.11-0.02-0.100.060-0.02-0.09 | Ref0.06-0.330.07-1.27-0.36Ref0.180.310.08-0.79-0.58Ref0.070.100.07-0.92-0.48 | -0.28, 0.40-0.72, 0.07-0.07, 0.22-4.08, 1.54-0.17, 0.52-0.09, 0.70-0.07, 0.22-3.58, 2-0.27, 0.41-0.30, 0.50-0.08, 0.22-3.77, 1.93 | 0.03-0.140.07-0.060.090.130.08-0.040.040.040.07-0.05 | Ref-0.17-0.10-0.04-0.81-0.39Ref-0.06-0.31-0.03-0.82-0.38Ref-0.010.07-0.04-0.76-0.51 | -0.49, 0.16-0.47, 0.28-0.18, 0.10-4.42, 2.79-0.38, 0.26-0.68, 0.06-0.17, 0.10-4.41, 2.76-0.34, 0.32-0.31, 0.44-0.18, 0.10-4.39, 2.88 | -0.09-0.04-0.04-0.03-0.03-0.14-0.03-0.03-0.010.31-0.04-0.03 | Ref-0.11-0.150.02-0.59-0.46Ref0.01-0.150.02-0.60-0.51Ref0.080.010.03-0.57-0.59 | -0.27, 0.06-0.32, 0.03-0.03, 0.08-1.80, 0.63-0.14, 0.15-0.32, 0.03-0.03, 0.08-1.85, 0.64-0.06, 0.22-0.16, 0.17-0.03, 0.08-1.80, 0.67 | -0.06-0.070.02-0.030.01-0.150.02-0.030.050.010.03-0.03 |

a AAT: Alpha-1-antitrypsin; MPO: myeloperoxidase; NEO: neopterin. Low: <= 25th percentile, Medium 25-75th percentile, High >= 75th percentile. Significant associations in bold.

b Multiple linear regression models used

c Generalized estimating equations (GEE) models with first order autoregressive covariance matrix used

d Height-for-age z-score measured at the beginning of the growth period.

e Proportion of days with diarrhea in growth period