

TABLE 8. Odds ratios (and 95% confidence intervals) from multiple logistic regression analysis assessing associations between maternal age of 18 or younger at last birth and infant immunization, by country

Country	BCG	DPT	Measles	Polio
Africa				
Ethiopia	1.25 (0.94–1.65)	1.05 (0.80–1.39)	0.98 (0.73–1.31)	1.00 (0.78–1.29)
Guinea	1.05 (0.78–1.40)	0.91 (0.72–1.16)	0.83 (0.65–1.06)	1.11 (0.86–1.43)
Malawi	0.66 (0.42–1.04)	0.76 (0.57–1.00)	0.78 (0.55–1.12)	0.85 (0.70–1.05)
Mali	0.98 (0.63–1.52)	0.83 (0.63–1.10)	0.95 (0.70–1.30)	0.85 (0.64–1.13)
Uganda	0.80 (0.56–1.13)	0.65 (0.48–0.86)**	0.65 (0.48–0.87)**	0.71 (0.54–0.93)**
Latin America				
Bolivia	0.85 (0.54–1.34)	0.80 (0.61–1.05)	0.95 (0.71–1.28)	0.85 (0.65–1.11)
Brazil	0.86 (0.51–1.48)	0.71 (0.50–1.00)	0.86 (0.57–1.31)	0.73 (0.52–1.04)
Guatemala	0.72 (0.42–1.25)	0.72 (0.49–1.05)	1.14 (0.76–1.72)	0.72 (0.49–1.05)
Nicaragua	0.60 (0.39–0.94)*	0.59 (0.46–0.77)**	0.47 (0.32–0.68)**	0.57 (0.42–0.76)**
Peru				
≤18	0.62 (0.39–1.00)	0.75 (0.59–0.95)*	0.74 (0.57–0.96)*	0.88 (0.71–1.08)
17–18	0.75 (0.45–1.26)	0.87 (0.66–1.15)	0.82 (0.62–1.12)	0.99 (0.78–1.26)
15–16	0.39 (0.21–0.75)**	0.49 (0.35–0.70)**	0.54 (0.36–0.80)**	0.62 (0.45–0.85)**
Asia				
Bangladesh	0.82 (0.57–1.17)	0.76 (0.61–0.96)*	0.74 (0.59–0.95)**	0.86 (0.70–1.06)
Cambodia	0.75 (0.55–1.04)	0.90 (0.64–1.26)	0.90 (0.67–1.23)	0.91 (0.66–1.24)
India				
≤18	0.87 (0.77–0.99)*	0.78 (0.69–0.88)**	0.74 (0.65–0.83)**	0.83 (0.74–0.92)**
17–18	0.91 (0.79–1.05)	0.80 (0.70–0.92)**	0.79 (0.70–0.91)**	0.89 (0.78–1.00)
15–16	0.79 (0.65–0.96)**	0.73 (0.61–0.88)**	0.61 (0.51–0.74)**	0.70 (0.59–0.84)**
Indonesia				
≤18	0.86 (0.64–1.16)	0.67 (0.52–0.86)**	0.69 (0.51–0.94)*	1.03 (0.76–1.38)
17–18	1.18 (0.80–1.76)	0.71 (0.53–0.95)*	0.77 (0.55–1.06)	1.03 (0.72–1.46)
15–16	0.48 (0.31–0.75)**	0.57 (0.38–0.85)**	0.55 (0.35–0.85)**	1.02 (0.65–1.61)
Nepal	1.17 (0.81–1.69)	0.82 (0.60–1.10)	0.92 (0.70–1.21)	1.52 (0.81–2.86)

*p<.05. **p<.01. Notes: Reference group was mothers aged 19–23; odds ratios are for all mothers aged 18 or younger unless otherwise specified. Analysis controlled for all variables listed in Table 3, plus socioeconomic status, sex of the infant and either ethnicity, religion or language. For Nepal, marital status was excluded, owing to lack of variation; place of residence was dichotomized to rural area versus all others.