

Online Supporting Material

Supplemental Table 2: Sex-stratified longitudinal random effects models showing the effects of study arms over time on growth outcomes (weight, length, and BMI) among BAN infants^{1,2}

	Weight ³ , kg			Length, cm			BMI, kg/m ²		
	Coef.	95% CI	P-value	Coef.	95% CI	P-value	Coef.	95% CI	P-value
BOYS⁴	<i>n</i> =1071			<i>n</i> =1060			<i>n</i> =1059		
Anthropometric value at birth	0.92	(0.86, 0.98)	<0.001	0.65	(0.61, 0.69)	<0.001	0.35	(0.31, 0.40)	<0.001
Age (months)	1.44	(1.40, 1.49)	<0.001	4.34	(4.28, 4.41)	<0.001	2.65	(2.51, 2.79)	<0.001
Age ² (months)	-0.11	(-0.12, -0.10)	<0.001	-0.28	(-0.29, -0.26)	<0.001	-0.31	(-0.33, -0.28)	<0.001
mLNS	-0.04	(-0.15, 0.07)	0.48	0.12	(-0.18, 0.42)	0.43	-0.15	(-0.46, 0.15)	0.34
mARV	0.03	(-0.08, 0.14)	0.59	-0.22	(-0.50, 0.06)	0.13	0.10	(-0.18, 0.39)	0.49
mLNS-mARV	0.02	(-0.09, 0.12)	0.76	-0.15	(-0.43, 0.13)	0.30	0.05	(-0.24, 0.33)	0.75
iARV	0.03	(-0.08, 0.13)	0.64	-0.12	(-0.40, 0.17)	0.42	0.15	(-0.13, 0.44)	0.30
mLNS-iARV	0.02	(-0.08, 0.13)	0.66	-0.14	(-0.42, 0.14)	0.32	0.05	(-0.23, 0.33)	0.73
mLNS*age	-0.03	(-0.09, 0.04)	0.43				-0.06	(-0.26, 0.14)	0.56
mARV*age	-0.11	(-0.17, -0.05)	<0.001				-0.29	(-0.47, -0.10)	0.003
mLNS-mARV*age	-0.06	(-0.12, 0.00)	0.048				-0.11	(-0.30, 0.07)	0.23
iARV*age	-0.09	(-0.16, -0.03)	0.002				-0.27	(-0.46, -0.08)	0.005
mLNS-iARV*age	-0.05	(-0.11, 0.01)	0.12				-0.08	(-0.27, 0.10)	0.37
mLNS*age ²	0.002	(-0.009, 0.013)	0.76				0.009	(-0.026, 0.044)	0.62
mARV*age ²	0.014	(0.004, 0.025)	0.006				0.047	(0.014, 0.079)	0.004
mLNS-mARV*age ²	0.006	(0.004, 0.016)	0.26				0.015	(-0.017, 0.047)	0.36
iARV*age ²	0.010	(-0.001, 0.020)	0.07				0.034	(0.002, 0.067)	0.037
mLNS-iARV*age ²	0.006	(-0.004, 0.016)	0.26				0.011	(-0.021, 0.043)	0.50
GIRLS⁵	<i>n</i> =1050			<i>n</i> =1045			<i>n</i> =1044		
Anthropometric value at birth	0.88	(0.82, 0.94)	<0.001	0.68	(0.64, 0.72)	<0.001	0.38	(0.33, 0.43)	<0.001
Age (months)	1.23	(1.18, 1.28)	<0.001	4.11	(4.04, 4.18)	<0.001	2.21	(2.06, 2.36)	<0.001
Age ² (months)	-0.09	(-0.10, -0.08)	<0.001	-0.26	(-0.27, -0.25)	<0.001	-0.25	(-0.27, -0.22)	<0.001
mLNS	0.01	(-0.10, 0.12)	0.82	0.16	(-0.14, 0.46)	0.29	-0.20	(-0.51, 0.11)	0.21
mARV	0.02	(-0.09, 0.12)	0.75	-0.19	(-0.48, 0.09)	0.18	0.03	(-0.26, 0.33)	0.83

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mLNS-mARV	0.07	(-0.04, 0.17)	0.21	-0.14	(-0.43, 0.14)	0.32	0.11	(-0.18, 0.40)	0.46
iARV	0.06	(-0.04, 0.16)	0.26	-0.16	(-0.44, 0.13)	0.28	0.19	(-0.10, 0.48)	0.19
mLNS-iARV	-0.02	(-0.12, 0.09)	0.74	-0.25	(-0.53, 0.03)	0.08	-0.11	(-0.40, 0.18)	0.44
mLNS*age	-0.04	(-0.11, 0.02)	0.21				-0.08	(-0.29, 0.12)	0.43
mARV*age	-0.02	(-0.08, 0.05)	0.61				0.00	(-0.20, 0.20)	0.99
mLNS-mARV*age	-0.06	(-0.13, 0.00)	0.043				-0.14	(-0.34, 0.05)	0.15
iARV*age	-0.03	(-0.09, 0.03)	0.40				-0.13	(-0.32, 0.07)	0.20
mLNS-iARV*age	-0.01	(-0.07, 0.05)	0.72				0.05	(-0.14, 0.24)	0.59
mLNS*age ²	0.009	(-0.002, 0.020)	0.12				0.018	(-0.018, 0.054)	0.33
mARV*age ²	0.002	(-0.009, 0.013)	0.73				-0.003	(-0.037, 0.01)	0.88
mLNS-mARV*age ²	0.007	(-0.004, 0.018)	0.19				0.015	(-0.018, 0.049)	0.38
iARV*age ²	0.002	(-0.008, 0.013)	0.66				0.018	(-0.016, 0.051)	0.30
mLNS-iARV*age ²	0.000	(-0.010, 0.011)	0.94				-0.008	(-0.041, 0.025)	0.62

¹iARV = infant ARV; mARV = maternal ARV; mLNS = maternal LNS; mLNS-iARV = maternal LNS/infant ARV; mLNS-mARV = maternal LNS/maternal ARV

²Columns represent growth outcomes (weight, length, and BMI) and rows are covariates included in the model. For continuous covariates (such as age), the coefficients are slopes, while for indicator variables (such as mLNS), the coefficients are intercepts. The control arm (C) was used as the reference in all models.

³One boy and one girl were dropped from the weight analysis because they were missing birth weights.

⁴In boys, there was a significant overall interaction of the interventions with age and age-squared for weight ($P < 0.001$) and BMI ($p < 0.01$).

⁵In girls, there was a significant overall interaction of the interventions with age and age-squared for weight ($P < 0.01$) and BMI ($P < 0.05$).