

## Supplemental Information

**SUPPLEMENTAL TABLE 5** Table of ICD-10 Codes in Each Group

Group	ICD-10 Codes
URTIs	A37.0, H10.0, H65.0, H65.3, H66.0, H66.9, J00, J02.9, J03.0, J03.9, J04.0, J04.2, J05.0, J06.8, J06.9, R05
LTRIs	J11.0, J11.1, J12.1, J12.9, J15.9, J17.1, J18.9, J20.5, J20.9, J21.0, J21.9, J42, J45.1, J45.9
GI	A04.7, A08.0, A08.3, A08.4, A09.0, A09.9, B00.2
Other infections	A87.0, A87.9, B00.9, B01.9, B08.2, B09, B34.9, G03.0, J09, L00, L01.0, L22, N10, N30.0, N30.9, N48.1, R50.9

**SUPPLEMENTAL TABLE 6** Drop-out Analyses

	Invited Mother-Infant Pairs From the OCC	Rest of the OCC	<i>P</i>	Final Study Group	Excluded	<i>P</i>
Total No. participants	1037	1397	—	815	222	—
Maternal age, y, mean (SD)	30.5 (4.3)	31.0 (4.4)	.02	30.7 (4.5)	29.7 (4.71)	.003
Age at follow-up, y, mean (SD)	2.8 (0.37)	4.1 (0.61)	.00	2.8 (0.37)	2.75 (0.36)	.054
Sex, male, No. (%)	555 (53.5)	728 (52.11)	.49	432 (53.01)	123 (55.41)	.53
Gestational age ( <i>n</i> = 2433), median (IQR)	40.1 (39.1–41.0)	40.3 (39.1–41.0)	.36	40.1 (39.1–41.0)	40.0 (39.1–41.0)	.61
Premature, <37 wk, No. (%)	38 (3.7)	48 (3.4)	.09	31 (3.80)	7 (3.15)	.65
Educational level ( <i>n</i> = 2358), No. (%)			.06			.003
High school or less	305 (30.4)	399 (29.4)	—	222 (27.9)	83 (40.1)	—
High school + 1–3	512 (51.1)	653 (48.2)	—	418 (52.6)	94 (45.4)	—
High school + ≥4 y	185 (18.5)	304 (22.4)	—	155 (19.5)	30 (14.5)	—
Siblings, ≥1 sibling at birth, No. (%)	436 (42.0)	653 (46.8)	.06	348 (42.7)	88 (39.6)	.92
Smoking during pregnancy, No. (%)	41(4.0)	76 (5.5)	.08	31 (3.8)	10 (4.50)	.64
Maternal pregestational BMI, median (IQR)	23.4 (21.3–26.3)	23.3 (21.1–26.4)	.79	23.4 (21.3–26.4)	23.5 (21.5–26.1)	.64
Type of birth, No. (%)			.71			.77
Vaginal	818 (78.9)	1103 (79.1)	—	640 (78.5)	178 (80.2)	—
Elective cesarean delivery	117 (11.3)	166 (11.9)	—	92 (11.3)	25 (11.3)	—
Acute cesarean delivery	102 (9.8)	125 (9.0)	—	83 (10.2)	19 (8.6)	—

—, not applicable.

**SUPPLEMENTAL TABLE 7** Rate of Admission Due to Infection

	Incidence Rate per 100 Children per Year at Risk, Mean (95% CI)
Any infection	14.63 (12.34–16.92)
URTI	4.38 (3.43–5.34)
LRTI	4.68 (3.32–6.05)
GI	1.41 (0.81–2.00)
Other infection	4.16 (3.18–5.13)

**SUPPLEMENTAL TABLE 8** Prevalence Proportions of Symptoms of Infection at Home

	Prevalence Proportion, Mean (95% CI)
Any symptom	0.27 (0.25–0.29)
Respiratory symptoms	
Stuffed or runny nose	0.20 (0.19–0.22)
Cough	0.10 (0.09–0.11)
Wheezy or whistling breathing	0.02 (0.01–0.02)
Ear pain	0.008 (0.006–0.010)
Discharge from the ear	0.005 (0.002–0.008)
Eye inflammation	0.009 (0.007–0.012)
Gastrointestinal symptoms	
Diarrhea	0.014 (0.010–0.017)
Blood in the stool	0.002 (-0.001–0.004)
Vomiting	0.007 (0.005–0.009)
Common symptoms	
Temperature of $\geq 38.5^{\circ}\text{C}$	0.03 (0.02–0.03)
Felt unwell	0.03 (0.02–0.03)

**SUPPLEMENTAL TABLE 9** Association Between the Duration of Any Breastfeeding and Symptoms of Infection at Home

	IRR (95% CI)	<i>P</i>
Crude analysis		
Any symptom	1.01 (1.00–1.02)	.12
Stuffed or runny nose	1.01 (1.00–1.03)	.10
Diarrhea	1.00 (0.97–1.02)	.79
Fever	1.03 (1.00–1.06)	.03
Adjusted analyses <sup>a</sup>		
Any symptom	1.01 (1.00–1.03)	.10
Stuffed or runny nose	1.02 (1.00–1.03)	.09
Diarrhea	1.00 (0.97–1.02)	.72
Fever	1.03 (1.00–1.06)	.03

<sup>a</sup> Adjusted for maternal educational level, child's sex and gestational age, exposure to smoking in utero, mode of delivery, number of siblings at birth, child age at response, and season of year at response.