

**Supplemental Digital Content 1. Demographics and Baseline Characteristics of Evaluable Study Subjects Compared with US Preterm Infants 32–35 wGA**

Demographics or Risk Factors		Category	All Study Subjects N=1642 (%)	US CDC Natality Statistics for Infants 32–35 wGA <sup>9,11</sup> N=175,221 (%)
Chronologic age*	Age at enrollment, mean (SD)		2.3 (1.71)	NA
	<3 months on November 1 (born August–February)		1134 (69)	70 <sup>†</sup>
	3 to <6 months on November 1 (born May–July)		508 (31)	30 <sup>†</sup>
Gestational age*, wk	32		142 (8.6)	11
	33		206 (13)	16
	34		405 (25)	28
	35		889 (54)	45
Sex*	Male		882 (54)	53
Race/ethnicity*	Non-Hispanic White		991 (60)	52
	Non-Hispanic Black		345 (21)	20
	Hispanic		228 (14)	22
	Non-Hispanic Other		78 (4.8)	6
Insurance status*	Private insurance		823 (50)	NA
	Medicaid		729 (44)	NA
	Multi-insurance		27 (1.6)	NA
	Self-pay		14 (0.9)	NA
	Other		49 (3.0)	NA
Maternal age at infant birth, y	<20		139 (8.5)	9
	20–24		329 (20)	23
	25–29		439 (27)	26
	30–34		403 (25)	24
	35–39		246 (15)	14
	≥40		85 (5.2)	4

Maternal education, y	Unknown	1 (0.1)	NA
	0–8	30 (1.8)	4
	9–11	168 (10)	16
	12	441 (27)	27
	13–15	404 (25)	27
	≥16	586 (36)	26
Family history*	Unknown	13 (0.8)	NA
	Family history of asthma	502 (31)	NA
	Family history of eczema	321 (20)	NA
Birth weight	Low birth weight (<2500 g)	1316 (80)	68
	Very low birth weight (<1500 g)	148 (9.0)	4
Medical history following birth and environmental factors at enrollment	Small for gestational age <sup>45*</sup>	248 (15)	10 <sup>‡</sup>
	NICU or other special facility care at birth*	934 (57)	56
	Required mechanical ventilation at birth*	211 (13)	15
	History of lower respiratory tract illness*	73 (4.4)	NA
	Not currently breast-fed <sup>§</sup>	929 (57)	NA
	Day care attendance <sup>§</sup>	111 (6.8)	NA
	Nonmultiple birth preschool-aged (≤5 y) children in home*	609 (37)	NA
	School-aged (6–18 y) children in home*	528 (32)	NA
	Exposure to tobacco smoke <sup>§</sup>	255 (16)	NA
	Wood/coal burning device use*	105 (6.4)	NA
	Crowded living (>5 people/household) <sup>§</sup>	362 (22)	NA
	Multiple birth*	489 (30)	25

NA=not available; NICU=neonatal intensive care unit; SD, standard deviation; wGA=weeks gestational age.

\*Fixed risk factor in multivariate models.

<sup>†</sup>To match study enrollment criteria, proportions are calculated based on the proportion of infants born May–February.

<sup>‡</sup>Small for gestational age is not available in the CDC natality statistics. However, by definition, approximately 10% of infants should be small for gestational age.<sup>45</sup>

<sup>§</sup>Time-varying risk factor in multivariate models. Chronologic age was included as a time-varying risk factor.