

	All	Normothermia	Therapeutic Hypothermia	P
N, Variable	251	143	108	
Gestational age (weeks) median [IQR]	38 [37,39]	38 [37,39]	38 [37,39]	0.65
Birth weight, grams median [IQR]	3075 [2735,3425]	3040 [2680,3405]	3118.5 [2827,3435]	0.19
Small for Gestational Age, <10th percentile	29 (11.6)	18 (12.6)	11 (10.2)	0.57
Sex, Female Male	111 (44.2) 140 (55.8)	62 (43.4) 81 (56.6)	49 (45.4) 59 (54.6)	0.75
Race/Ethnicity Non-Hispanic White Non-Hispanic Black Hispanic Other Missing	123 (49) 36 (14.3) 43 (17.1) 28 (11.2) 21 (8.4)	65 (45.5) 24 (16.8) 27 (18.9) 16 (11.2) 11 (7.7)	58 (53.7) 12 (11.1) 16 (14.8) 12 (11.1) 10 (9.3)	0.42
Hospital Region Midwest Northeast South West	78 (31.1) 33 (13.1) 73 (29.1) 67 (26.7)	46 (32.2) 22 (15.4) 50 (35) 25 (17.5)	32 (29.6) 11 (10.2) 23 (21.3) 42 (38.9)	0.001
Inborn + co-located hospital	28 (11.2)	19 (13.3)	9 (8.3)	0.22
Born at home	4 (1.6)	3 (2.1)	1 (0.9)	0.46
Referral Source Other Hospital Other Outpatient Site CHNC Hospital Inpatient CHNC Hospital Outpatient	214 (85.3) 3 (1.2) 13 (5.2) 21 (8.4)	118 (82.5) 2 (1.4) 11 (7.7) 12 (8.4)	96 (88.9) 1 (0.9) 2 (1.9) 9 (8.3)	0.22
Referral Hospital Unit CICU/CVICU Emergency Department Labor and Delivery Other Hospital NICU Other Hospital Other Site Other Hospital Outpatient Peds General or Sub-specialty Unit CHNC Hospital PICU or Surgical ICU Missing	3 (1.2) 21 (8.4) 7 (2.8) 152 (60.6) 59 (23.5) 3 (1.2) 1 (0.4) 2 (0.8) 3 (1.2)	3 (2.1) 12 (8.4) 6 (4.2) 82 (57.3) 34 (23.8) 2 (1.4) 2 (1.4) 2 (1.4)	9 (8.3) 1 (0.9) 70 (64.8) 25 (23.1) 1 (0.9) 1 (0.9) 1 (0.9)	0.32
Age at admission (days), median [IQR]	3 [1,6]	3 [1,6]	2 [1,6]	0.39
Delivery Type Cesarean Vaginal Operative Vaginal, non-operative Missing	91 (36.3) 9 (3.6) 144 (57.4) 7 (2.8)	53 (37.1) 4 (2.8) 85 (59.4) 1 (0.7)	38 (35.2) 5 (4.6) 59 (54.6) 6 (5.6)	0.69
Apgar at 1-minute median [IQR]	8 [6,8]	8 [6,8]	8 [6,8]	0.53
Apgar at 5-minute median [IQR]	9 [8,9]	9 [7,9]	9 [8,9]	0.07
Resuscitation outside the delivery room	77 (30.7)	39 (27.3)	38 (35.5)	0.18
Seizures prior to admission				0.11

No Seizures	181 (72.1)	97 (67.8)	84 (77.8)	
Seizures Suspected Clinically, not confirmed by EEG >3 DOL	22 (8.8)	18 (12.6)	4 (3.7)	
Seizures confirmed by EEG or aEEG ≤ 3DOL	6 (2.4)	4 (2.8)	2 (1.9)	
Seizures confirmed by EEG or aEEG >3 DOL	1 (0.4)	1 (0.7)		
Seizures suspected clinically, not confirmed by EEG ≤ 3 DOL	35 (13.9)	19 (13.3)	16 (14.8)	
Missing	6 (2.4)	4 (2.8)	2 (1.9)	
Primary reason for admission				<.001
Cardiac	45 (17.9)	31 (21.7)	14 (13)	
Choking, Cyanosis, ALTE	26 (10.4)	19 (13.3)	7 (6.5)	
Hypothermic Therapy	9 (3.6)	2 (1.4)	7 (6.5)	
Neurologic	58 (23.1)	20 (14)	38 (35.2)	
Other	22 (8.8)	18 (12.6)	4 (3.7)	
Infection	14 (5.6)	7 (4.9)	7 (6.5)	
Respiratory	37 (14.7)	24 (16.8)	13 (12)	
Surgical evaluation	40 (15.9)	22 (15.4)	18 (16.7)	

EEG: electroencephalography. aEEG: amplitude integrated EEG. DOL: day of life. ALTE: apparent life-threatening event.

Table 1: Clinical and demographic characteristics of infants treated with normothermia or hypothermia