

Supplementary Table 1a: Differences in infant characteristics for those infants with and without HNNE data across three gestational age groups

	VPT with HNNE data	VPT no HNNE data	Mean difference (95% CI), p-value	MLPT with HNNE data	MLPT no HNNE data	Mean difference (95% CI), p- value	TERM with HNNE data	TERM no HNNE data	Mean difference (95% CI), p-value
	n=133	n=10	or	n=196	n=5	or	n=186	n=15	or
			Chi 2 (p-value)			Chi 2 (p-value)			Chi 2 (p- value)
Postnatal corticosteroids n (%)	12 (9)	4 (40)	8.98 (0.003)	0	0		0	0	
Multiple birth n (%)	59 (44)	4 (40)	0.07 (0.79)	71 (36)	3 (60)	1.18 (0.28)	2 (1)	0 (0)	0.16 (0.69)
Caesarean delivery n (%)	97 (73)	8 (80)	0.24 (0.63)	133 (68)	4 (80)	0.33 (0.57)	72 (39)	5 (33)	0.17 (0.68)
Gestational age at birth (weeks) mean (SD)	27.8 (1.5)	27.2 (1.5)	-0.59 (-1.54 to 0.37), 0.23	34.4 (1.3)	34.1 (0.4)	-0.35 (-1.46 to 0.76), 0.53	39.7 (1.2)	40.2 (1.3)	0.52 (-0.12 to 1.16), 0.11
Birth weight z-score mean (SD)	-0.41 (1.02)	-0.97 (1.11)	-0.57 (-1.23 to 0.10), 0.09	-0.35 (1.2)	-0.43 (0.6)	-0.08 (-1.12 to 0.96), 0.88	0.23 (0.82)	0.04 (0.84)	-0.19 (-0.62 to 0.25), 0.39
Male n (%)	66 (50)	5 (50)	0.0005 (0.98)	94 (48)	2 (40)	0.12 (0.73)	99 (53)	8 (53)	0.0001 (0.99)
Respiratory distress at birth n (%)	130 (98)	10 (100)	0.23 (0.63)	44 (22)	1 (20)	0.02 (0.90)	0	0	

Supplementary Table 1b: Differences in infant characteristics for those infants with and without NNNS data across three gestational age groups

	VPT with NNNS data n=130	VPT no NNNS data n=13	Mean difference (95% CI), p-value or Chi 2 (p-value)	MLPT with NNNS data n=187	MLPT no NNNS data n=14	Mean difference (95% CI), p- value or Chi 2 (p-value)	TERM with NNNS data n=183	TERM no NNNS data n=18	Mean difference (95% CI), p-value or Chi 2 (p- value)
Postnatal corticosteroids n (%)	11 (8)	5 (38)	10.70 (0.001)	0	0		0	0	
Multiple birth n (%)	57 (44)	6 (46)	0.03 (0.87)	65 (35)	9 (64)	4.88 (0.02)	2 (1)	0 (0)	0.20 (0.66)
Caesarean delivery n (%)	96 (74)	9 (69)	0.13 (0.72)	128 (68)	9 (64)	0.10 (0.75)	71 (39)	6 (33)	0.21 (0.65)
Gestational age at birth (weeks) mean (SD)	27.9 (1.4)	26.8 (1.6)	-1.07 (-1.90 to -0.24), 0.01	34.4 (1.3)	34.3 (0.8)	-0.14 (-0.83 to 0.54), 0.67	39.7 (1.2)	40.3 (1.2)	0.56 (-0.03 to 1.14), 0.06
Birth weight z-score mean (SD)	-0.39 (1.01)	-0.98 (1.10)	-0.59 (-1.18 to -0.00), 0.05	-0.32 (1.2)	-0.74 (1)	-0.41 (-1.04 to 0.22), 0.20	0.22 (0.82)	0.16 (0.85)	-0.09 (-0.46 to 0.34), 0.77
Male n (%)	64 (49)	7 (54)	0.10 (0.75)	88 (47)	8 (57)	0.53 (0.47)	97 (53)	10 (56)	0.04 (0.84)
Respiratory distress at birth n (%)	127 (98)	13 (100)	0.31 (0.58)	43 (23)	2 (14)	0.57 (0.45)	0	0	

Supplementary Table 1c: Differences in infant characteristics for those infants with and without GMA data across three gestational age groups

	VPT with GMA data	VPT no GMA data	Mean difference (95% CI), p-value	MLPT with GMA data	MLPT no GMA data	Mean difference (95% CI), p- value	TERM with GMA data	TERM no GMA data	Mean difference (95% CI), p-value
	n=113	n=30	or	n=154	n=47	or	n=142	n=59	or
			Chi 2 (p-value)			Chi 2 (p-value)			Chi 2 (p- value)
Postnatal corticosteroids n (%)	14 (12)	2 (7)	0.78 (0.38)	0	0		0	0	
Multiple birth n (%)	47 (42)	16 (53)	1.33 (0.25)	56 (36)	18 (38)	0.06 (0.81)	0 (0)	2 (3)	4.86 (0.03)
Caesarean delivery n (%)	79 (70)	26 (87)	3.41 (0.07)	106 (69)	31 (66)	0.14 (0.71)	52 (37)	25 (42)	0.58 (0.45)
Gestational age at birth (weeks) mean (SD)	27.7 (1.6)	28.0 (1.1)	0.34 (-0.25 to 0.94), 0.26	34.5 (1.3)	34.1 (1.0)	-0.37 (-0.78 to 0.03), 0.07	39.8 (1.2)	39.6 (1.3)	-0.28 (-0.65 to 0.09), 0.14
Birth weight z-score mean (SD)	-0.43 (1.02)	-0.53 (1.10)	-0.10 (-0.52 to 0.32), 0.64	-0.35 (1.2)	-0.36 (1.1)	-0.01 (-0.39 to 0.37), 0.97	0.23 (0.82)	0.17 (0.82)	-0.06 (-0.31 to 0.19), 0.63
Male n (%)	55 (49)	16 (53)	0.21 (0.65)	73 (47)	23 (49)	0.03 (0.85)	79 (56)	28 (47)	1.12 (0.29)
Respiratory distress at birth n (%)	112 (99)	28 (93)	3.86 (0.05)	34 (22)	11 (23)	0.04 (0.85)	0	0	