

Table 1

a. Patient Characteristics				
Variable	Overall (n=75) Median (IQR); n(%)	Train (n=53)	Validation (n=7)	Test (n=15)
Gestational Age (weeks)	37.6 (29.2 - 39.3)	37.6 (28.3 - 39.3)	39.1 (28.8 - 39.1)	35.0 (31.0 - 39.1)
22-27	10 (13%)	8 (15%)	1 (14%)	1 (7%)
28-36	22 (29%)	13 (25%)	2 (29%)	7 (47%)
37-42	43 (57%)	32 (60%)	4 (57%)	7 (47%)
Birthweight (grams)	2700 (1355 - 3329)	2770 (1180 - 3310)	2970 (1570 - 3280)	2930 (1280 - 3397)
Male sex	37 (86%)	21 (40%)	1 (13%)	11 (73%)
5-Minute Apgar	6 (3 - 8)	6 (2 - 8)	8 (8 - 9)	6 (3 - 8)
b. Model Performance				
Variable (Ensemble over all patients)	MAP True (mmHg)	MAP Predicted (mmHg)	MAP absolute error (mmHg)	Systolic / Diastolic mean absolute error (mmHg, averaged over 120 min period)
Mean, (Std)	48 (10)	50 (7)	4 (3)	9/6 (3/2)
Median, (IQR)	47 (44 - 55)	49 (46 - 54)	2 (2 - 6)	7/5 (6/4 - 11/7)
Min, Max	32, 67	39, 64	0, 11	5/4, 15/11
c. Model Performance by Cohort Stratification				
Variable (Ensemble over patients in group)	MAP True (mmHg)	MAP Predicted (mmHg)	MAP absolute error (mmHg)	Systolic / Diastolic mean absolute error (mmHg, averaged over 120 min period)
Gestational Age (weeks)				

Mean, (Std)				
22 - 27 (n=1)	32	39	9	15/5
28 - 36 (n=7)	47 (12)	49 (8)	7 (4)	9/5 (4/2)
37 - 42 (n=7)	52 (6)	53 (4)	8 (2)	8/7 (2/2)
Median, (IQR)				
22 - 27 (n=1)	32	39	7	15/5
28 - 36 (n=7)	45 (39 - 52)	47 (44 - 52)	2 (2 - 5)	7/4 (6/4 - 11/6)
37 - 42 (n=7)	51 (48 - 55)	54 (50 - 55)	2 (2 - 4)	7/7 (6/6 - 9/7)
Sex				
Mean, (Std)				
Female (n=4)	53 (12)	53 (8)	4 (2)	8/5 (3/2)
Male (n=11)	47 (9)	49 (7)	4 (3)	9/6 (4/2)
Median, (IQR)				
Female (n=4)	58 (52 - 60)	55 (52 - 57)	4 (2 - 6)	6/4 (6/8 - 4/5)
Male (n=11)	47 (44 - 50)	49 (46 - 52)	2 (2 - 6)	7/6 (7/4 - 11/7)
Race/Ethnicity				
Mean, (Std)				
Non-white (n=3)	46 (10)	50 (12)	6 (4)	10/5 (4/2)
White (n=12)	49 (7)	50 (6)	3 (2)	8/6 (3/2)
Median, (IQR)				
Non-white (n=3)	36 (35 - 51)	45 (43 - 55)	5 (4 - 8)	9/5 (6/8 - 9/12)
White (n=12)	48 (46 - 53)	50 (48 - 54)	2 (2 - 5)	8/6 (6/6 - 9/11)