

eTable 3:., Determinants of NDI in the Stepwise Regression Analyses (Odds Ratios and 95% CI)

	Step 1 (c=0.614)	Step 2 (c=0.624)	Step 3 (c=0.633)	Step 4 (c=0.651)	Step 5 (c=0.683)
Gestational Age	0.79 (0.74, 0.84)	0.81 (0.76, 0.86)	0.84 (0.78, 0.90)	0.86 (0.80, 0.92)	0.85 (0.8, 0.92)
Sex (male vs. female)	1.66 (1.40, 1.97)	1.66 (1.40, 1.97)	1.64 (1.39, 1.95)	1.62 (1.36, 1.93)	1.65 (1.38, 1.97)
SGA	1.41 (1.02, 1.95)	1.40 (1.02, 1.93)			
Maternal Diabetes	1.37 (1.00, 1.86)				
Outborn	1.27 (0.99, 1.62)	1.30 (1.02, 1.66)	1.31 (1.03, 1.68)	1.25 (0.98, 1.62)	1.33 (1.01, 1.77)
SNAP-II>20		1.46 (1.20, 1.78)	1.41 (1.16, 1.72)	1.30 (1.05, 1.58)	1.28 (1.03, 1.57)
BPD			1.32 (1.11, 1.58)	1.37 (1.14, 1.64)	1.42 (1.17, 1.73)
NEC			1.78 (1.28, 2.49)	1.84 (1.31, 2.60)	1.88 (1.32, 2.67)
Brain Injury				2.62 (1.95, 3.53)	2.67 (1.97, 3.63)
Site A					0.32 (0.06, 1.63)
B					0.55 (0.13, 2.24)
C					0.68 (0.26, 1.8)
D					0.38 (0.12, 1.22)
E					0.6 (0.16, 2.25)
F					0.67 (0.37, 1.21)
G					0.66 (0.36, 1.21)
H					0.93 (0.5, 1.73)
J					0.97 (0.55, 1.7)
K					1.28 (0.5, 3.28)
L					1.26 (0.67, 2.39)
M					1.02 (0.47, 2.22)
N					1.46 (0.84, 2.55)
O					1.08 (0.55, 2.1)
P					1.26 (0.71, 2.23)
Q					1.11 (0.55, 2.25)
R					1.52 (0.67, 3.42)
S					1.25 (0.72, 2.16)
U					1.61 (0.52, 4.94)
V					4.27 (1.96, 9.33)
Y					2.76 (1.3, 5.87)
Z					3.17 (0.73, 13.72)
AA					1.29 (0.71, 2.35)
AB					1.62 (0.91, 2.87)

SGA= small for gestational age; SNAP-II= Score for Neonatal Acute Physiology;

BPD=bronchopulmonary dysplasia; NEC= necrotizing enterocolitis; Step 1= infant and

pregnancy characteristics, Step 2= illness severity, Step 3= major neonatal morbidities, Step 4= brain injury, and Step 5= NICU site.

eTable 4:., Determinants of sNDI in the Stepwise Regression Analyses(Odds Ratios and 95% CI)

	Step 1 (c=0.660)	Step 2 (c=0.678)	Step 3 (c=0.693)	Step 4 (c=0.726)	Step 5 (c=0.769)
Gestational Age	0.70 (0.65, 0.76)	0.74 (0.68, 0.81)	0.82 (0.74, 0.91)	0.84 (0.76, 0.94)	0.78 (0.70, 0.87)
Sex (male vs. female)	1.88 (1.48, 2.38)	1.9 (1.5, 2.42)	2.01 (1.54, 2.62)	1.95 (1.48, 2.56)	2.09 (1.58, 2.77)
Antenatal steroid	0.64 (0.45, 0.91)	0.63 (0.44, 0.89)	0.67 (0.45, 0.99)	0.78 (0.51, 1.19)	0.73 (0.47, 1.13)
Apgar 5min<7	1.43 (1.13, 1.8)	1.29 (1.01, 1.64)			
SNAP-II>20		1.79 (1.4, 2.31)	1.78 (1.35, 2.34)	1.61 (1.21, 2.13)	1.62 (1.2, 2.18)
Severe ROP			1.85 (1.33, 2.57)	1.87 (1.33, 2.62)	1.68 (1.18, 2.41)
late onset sepsis			1.5 (1.15, 1.95)	1.46 (1.11, 1.92)	1.4 (1.05, 1.86)
Brain Injury				3.62 (2.62, 5.05)	3.8 (2.66, 5.42)
Site A					0.6 (0.07, 5.42)
C					1.17 (0.31, 4.42)
D					1.58 (0.42, 6.0)
E					0.99 (0.36, 2.69)
F					0.04 (0.01, 0.32)
G					0.8 (0.33, 1.91)
H					0.64 (0.25, 1.65)
J					0.53 (0.21, 1.34)
K					1.78 (0.43, 7.28)
L					0.65 (0.25, 1.71)
M					1.09 (0.35, 3.44)
N					1.09 (0.48, 2.47)
O					0.58 (0.22, 1.53)
P					0.66 (0.29, 1.54)
R					2.06 (0.72, 5.92)
S					0.92 (0.41, 2.04)
U					1.82 (0.41, 8.05)
V					3.3 (1.31, 8.28)
Y					1.96 (0.75, 5.1)
Z					3.51 (0.69, 17.8)
AA					0.93 (0.39, 2.2)
AB					0.97 (0.41, 2.33)

SGA= small for gestational age; SNAP-II= Score for Neonatal Acute Physiology;
 BPD=bronchopulmonary dysplasia; NEC= necrotizing enterocolitis; Severe ROP= retinopathy of prematurity stage 3 or higher
 Step 1= infant and pregnancy characteristics, Step 2= illness severity, Step 3= major neonatal morbidities, Step 4= brain injury, and Step 5= NICU site.

eTable 5, Determinants of sNDI or Death in the Regression Analyses(Odds Ratios and 95% CI)

	Step 1 (c=0.757)	Step 2 (c=0.768)	Step 3 (c=0.776)	Step 4 (c=0.804)	Step 5 (c=0.815)
Gestational Age	0.59 (0.55, 0.63)	0.63 (0.58, 0.67)	0.63 (0.59, 0.68)	0.66 (0.61, 0.71)	0.65 (0.6, 0.7)
Sex (male vs. female)	1.75 (1.46, 2.09)	1.77 (1.48, 2.13)	1.76 (1.46, 2.12)	1.81 (1.48, 2.2)	1.82 (1.48, 2.22)
SGA	2.59 (1.92, 3.49)	2.48 (1.83, 3.37)	2.45 (1.8, 3.34)	2.54 (1.83, 3.53)	2.58 (1.85, 3.6)
Antenatal steroid	0.53 (0.4, 0.7)	0.55 (0.41, 0.74)	0.54 (0.4, 0.73)	0.6 (0.44, 0.82)	0.65 (0.47, 0.9)
Apgar 5min<7	1.94 (1.62, 2.31)	1.61 (1.34, 1.94)	1.61 (1.34, 1.95)	1.42 (1.16, 1.74)	1.47 (1.19, 1.81)
Multiple births	1.22 (1.01, 1.49)	1.21 (1.0, 1.48)	1.24 (1.02, 1.52)	1.2 (0.97, 1.49)	1.24 (1.0, 1.54)
Outborn	1.25 (0.96, 1.64)	1.41 (1.07, 1.86)	1.43 (1.08, 1.9)	1.36 (1.01, 1.85)	1.41 (1.01, 1.97)
SNAP-II>20		2.15 (1.77, 2.61)	2.12 (1.74, 2.58)	1.85 (1.5, 2.28)	1.86 (1.5, 2.31)
NEC			2.62 (1.96, 3.49)	3.01 (2.23, 4.05)	2.8 (2.06, 3.8)
Brain Injury				4.24 (3.3, 5.45)	4.5 (3.47, 5.84)
Site A					0.33 (0.06, 1.73)
B					0.12 (0.01, 1.1)
C					0.46 (0.15, 1.37)
D					0.72 (0.24, 2.14)
E					1.19 (0.41, 3.41)
F					0.23 (0.12, 0.44)
G					0.45 (0.25, 0.82)
H					0.4 (0.21, 0.78)
J					0.39 (0.22, 0.69)
K					1.01 (0.38, 2.66)
L					0.43 (0.22, 0.84)
M					0.68 (0.31, 1.49)
N					0.51 (0.29, 0.89)
O					0.36 (0.18, 0.73)
P					0.72 (0.41, 1.25)
Q					0.68 (0.35, 1.34)
R					1.08 (0.47, 2.5)
S					0.64 (0.37, 1.1)
U					0.67 (0.16, 2.86)
V					1.96 (0.95, 4.06)
X					0.71 (0.16, 3.21)
Y					1.07 (0.51, 2.22)
Z					0.66 (0.14, 3.14)
AA					0.46 (0.25, 0.85)
AB					0.48 (0.26, 0.85)

SGA= small for gestational age; SNAP-II= Score for Neonatal Acute Physiology;
BPD=bronchopulmonary dysplasia; NEC= necrotizing enterocolitis; Step 1= infant and pregnancy characteristics, Step 2= illness severity, Step 3= major neonatal morbidities, Step 4= brain injury, and Step 5= NICU site.