

Supplementary Tables

Table 1. Risk Factors for Developmental Vulnerability on the Physical Health & Wellbeing Domain.

Characteristic	DV (N=188) N (%)	NDV (N=1,468) N (%)	Bivariate		Multivariable (N=1,352)	
			OR [95% CI]	p-value	aOR [95% CI]	p-value
Maternal						
Age at Time of Child's Birth (years)						
<25	46 (24.47)	176 (11.99)	5.36 [1.64-17.48]	0.002	3.59 [0.93-13.90]	0.065
25-29	39 (20.74)	345 (23.50)	1 [referent]		1 [referent]	
30-34	62 (32.98)	544 (37.06)	1.08 [0.41-2.87]	0.646	1.13 [0.39-3.25]	0.821
≥35	41 (21.81)	403 (27.45)	0.83 [0.29-2.38]	0.776	0.97 [0.30-3.13]	0.959
			Overall p-value	0.009	Overall p-value	0.269
Marital Status						
Married (inc. de facto)	152 (80.85)	1,328 (90.46)	1 [referent]		1 [referent]	
All Other	36 (19.15)	134 (9.13)	5.54 [1.87-16.35]	0.002	2.39 [0.66-8.70]	0.185
Unavailable	0 (0.00)	6 (0.41)				
Occupational Status Scale at Time of Child's Birth						
0-20	52 (27.66)	257 (17.51)	3.29 [1.40-7.75]	0.025	0.79 [0.28-2.27]	0.663
>20-100	119 (63.30)	1,166 (79.43)	1 [referent]		1 [referent]	
Unavailable	17 (9.04)	45 (3.07)				
Pregnancy & Birth						
Fertility Treatments						
No	163 (86.70)	1,225 (83.45)	1 [referent]		1 [referent]	
Yes	25 (13.30)	243 (16.55)	0.61 [0.21-1.75]	0.359	1.07 [0.32-3.62]	0.914
Smoking Status During Pregnancy						
No	134 (71.28)	1,284 (87.47)	1 [referent]		1 [referent]	
Yes	54 (28.72)	184 (12.53)	7.19 [2.76-18.70]	<0.001	2.49 [0.83-7.51]	0.105
Pre-eclampsia						
No	163 (86.70)	1,297 (88.35)	1 [referent]		1 [referent]	
Yes	25 (13.30)	171 (11.65)	1.56 [0.46-5.24]	0.475	2.99 [0.90-9.91]	0.074
Gestational Diabetes						
No	173 (92.02)	1,381 (94.07)	1 [referent]		1 [referent]	
Yes	15 (7.98)	87 (5.93)	1.87 [0.36-9.87]	0.460	2.26 [0.50-10.20]	0.290
Threatened Abortion						
No	182 (96.81)	1,390 (94.69)	1 [referent]		1 [referent]	
Yes	6 (3.19)	78 (5.31)	0.45 [0.07-2.71]	0.379	0.43 [0.05-3.77]	0.443
Other Pregnancy Related Complications						
No	51 (27.13)	525 (35.76)	1 [referent]		1 [referent]	
Yes	137 (72.87)	943 (64.24)	1.96 [0.87-4.42]	0.103	1.69 [0.65-4.42]	0.284
Threatened Preterm Labour						
No	161 (85.64)	1,303 (88.76)	1 [referent]		1 [referent]	
Yes	27 (14.36)	165 (11.24)	1.68 [0.49-5.81]	0.411	0.86 [0.26-2.82]	0.797
APH						
No	178 (94.68)	1,420 (96.73)	1 [referent]		1 [referent]	
Yes	10 (5.32)	48 (3.27)	3.27 [0.37-28.63]	0.285	0.73 [0.09-5.96]	0.766
Placenta Praevia ^a						
No	187 (99.47)	1,459 (99.39)				
Yes	1 (0.53)	9 (0.61)				
Placental Abruption ^a						
No	185 (98.40)	1,465 (99.8)				
Yes	3 (1.60)	3 (0.20)				
Fetal Distress						
No	162 (86.17)	1,356 (92.37)	1 [referent]		1 [referent]	
Yes	26 (13.83)	112 (7.63)	4.89 [1.20-19.90]	0.027	2.57 [0.72-9.19]	0.145
Cephalopelvic Disproportion ^a						
No	188 (100.00)	1,464 (99.73)				
Yes	0 (0.00)	4 (0.27)				
Prolapsed Cord ^a						

No	188 (100.00)	1,455 (99.11)				
Yes	0 (0.00)	13 (0.89)				
Precipitate Delivery ^a						
No	186 (98.94)	1,444 (98.37)				
Yes	2 (1.06)	24 (1.63)				
PPH ≥500mls						
No	124 (65.96)	1,075 (73.23)	1 [referent]		1 [referent]	
Yes	64 (34.04)	393 (26.77)	2.16 [0.90-5.18]	0.084	0.90 [0.36-2.25]	0.826
TSR ≥2mins						
No	152 (80.85)	1,272 (86.65)	1 [referent]		1 [referent]	
Yes	36 (19.15)	196 (13.35)	1.48 [0.64-3.44]	0.363	0.55 [0.19-1.55]	0.258
Apgar 5-minutes <7 ^a						
No	182 (96.81)	1,441 (98.16)				
Yes	6 (3.19)	27 (1.84)				
Intubation						
No	147 (78.19)	1,242 (84.60)	1 [referent]		1 [referent]	
Yes	41 (21.81)	226 (15.40)	2.33 [1.03-5.28]	0.043	1.96 [0.75-5.10]	0.167
Early Preterm Birth						
No	146 (77.66)	1,264 (86.1)	1 [referent]		1 [referent]	
Yes	42 (22.34)	204 (13.9)	3.76 [1.21-11.68]	0.022	2.15 [0.76-6.11]	0.151
POBW <15th Percentile						
No	125 (66.49)	1,106 (75.34)	1 [referent]		1 [referent]	
Yes	42 (22.34)	175 (11.92)	3.44 [1.53-7.74]	0.003	2.58 [1.15-5.77]	0.022
Unavailable	21 (11.17)	187 (12.74)				
Parity						
0	67 (35.64)	595 (40.53)	1 [referent]		1 [referent]	
1	65 (34.57)	518 (35.29)	1.18 [0.48-2.86]	0.721	1.29 [0.41-4.08]	0.665
≥2	56 (29.79)	355 (24.18)	1.81 [0.67-4.91]	0.244	1.53 [0.29-8.17]	0.617
			Overall p-value	0.503	Overall p-value	0.866
Child						
Sex						
Female	82 (43.62)	768 (52.32)	1 [referent]		1 [referent]	
Male	106 (56.38)	700 (47.68)	2.50 [1.36-4.61]	0.003	3.31 [1.64-6.69]	<0.001
Ethnicity						
Other	167 (88.83)	1,405 (95.71)	1 [referent]		1 [referent]	
Indigenous Australian	21 (11.17)	63 (4.29)	12.56 [2.12-74.52]	0.005	0.80 [0.12-5.40]	0.816
Child Speaks Language Other Than English at Home						
No	159 (84.57)	1,357 (92.44)	1 [referent]		1 [referent]	
Yes	29 (15.43)	111 (7.56)	4.62 [1.24-17.26]	0.023	4.84 [1.34-17.48]	0.016
Age Category at Time of AEDC Completion						
1	50 (26.60)	271 (18.46)	2.76 [1.02-7.46]	<0.001	2.22 [0.88-5.60]	0.092
2	129 (68.62)	1,070 (72.89)	1 [referent]		1 [referent]	
3	9 (4.79)	127 (8.65)	0.44 [0.10-1.93]	0.942	0.19 [0.03-1.18]	0.074
			Overall p-value	0.049	Overall p-value	0.033
Total Number of Siblings						
1	51 (27.13)	457 (31.13)	1 [referent]		1 [referent]	
2	69 (36.70)	585 (39.85)	1.10 [0.46-2.63]	0.827	0.98 [0.30-3.15]	0.970
3	24 (12.77)	290 (19.75)	0.51 [0.16-1.57]	0.239	0.41 [0.08-2.10]	0.284
>3	44 (23.40)	136 (9.26)	8.32 [2.57-26.96]	<0.001	6.47 [0.98-42.75]	0.053
			Overall p-value	<0.001	Overall p-value	0.008
Sociodemographic						
Index of Relative Socioeconomic Disadvantage						
Lowest Quintile	138 (73.40)	1,235 (84.13)	3.78 [1.17-12.22]	0.026	1.85 [0.63-5.44]	0.264
> Lowest Quintile	40 (21.28)	197 (13.42)	1 [referent]		1 [referent]	
Unavailable	10 (5.32)	36 (2.45)				

^a Excluded from multivariable analysis due to small N.

^b Age categories classified as; 1) ≥3 years 10 months to <5 years and one month, 2) ≥5 years and one month to <5 years and 10 months (reference category), 3) ≥5 years and 10 months to <6 years 10 months.

Table 2. Risk Factors for Developmental Vulnerability on the Social Competence Domain.

Characteristic	DV (N=151) N (%)	NDV (N=1,505) N (%)	Bivariate		Multivariable (N=1,352)	
			OR [95% CI]	p-value	aOR [95% CI]	p-value
Maternal						
Age at Time of Child's Birth (years)						
<25	43 (28.48)	179 (11.89)	6.32 [1.91-20.95]	0.003	3.13 [0.74-13.30]	0.122
25-29	31 (20.53)	353 (23.46)	1 [referent]		1 [referent]	
30-34	44 (29.14)	562 (37.34)	0.78 [0.29-2.15]	0.634	1.36 [0.43-4.36]	0.604
≥35	33 (21.85)	411 (27.31)	0.81 [0.27-2.37]	0.696	0.99 [0.27-3.59]	0.982
			Overall p-value	0.002	Overall p-value	0.431
Marital Status						
Married (inc. de facto)	113 (74.83)	1,367 (90.83)	1 [referent]		1 [referent]	
All Other	36 (23.84)	134 (8.90)	9.65 [3.20-29.05]	<0.001	10.16 [2.56-40.41]	0.001
Unavailable	2 (1.32)	4 (0.27)				
Occupational Status Scale at Time of Child's Birth						
0-20	50 (33.11)	259 (17.21)	5.05 [2.07-12.29]	<0.001	1.93 [0.64-5.79]	0.241
>20-100	94 (62.25)	1,191 (79.14)	1 [referent]		1 [referent]	
Unavailable	7 (4.64)	55 (3.65)				
Pregnancy & Birth						
Fertility Treatments						
No	132 (87.42)	1,256 (83.46)	1 [referent]		1 [referent]	
Yes	19 (12.58)	249 (16.54)	0.54 [0.18-1.60]	0.269	1.38 [0.37-5.17]	0.635
Smoking Status During Pregnancy						
No	116 (76.82)	1,302 (86.51)	1 [referent]		1 [referent]	
Yes	35 (23.18)	203 (13.49)	3.70 [1.06-12.91]	0.041	1.22 [0.35-4.20]	0.753
Pre-eclampsia						
No	134 (88.74)	1,326 (88.11)	1 [referent]		1 [referent]	
Yes	17 (11.26)	179 (11.89)	0.98 [0.31-3.14]	0.975	1.84 [0.49-6.84]	0.365
Gestational Diabetes						
No	140 (92.72)	1,414 (93.95)	1 [referent]		1 [referent]	
Yes	11 (7.28)	91 (6.05)	1.46 [0.32-6.60]	0.627	2.11 [0.41-10.74]	0.369
Threatened Abortion						
No	144 (95.36)	1,428 (94.88)	1 [referent]		1 [referent]	
Yes	7 (4.64)	77 (5.12)	0.66 [0.11-4.10]	0.658	0.13 [0.01-2.43]	0.171
Other Pregnancy Related Complications						
No	38 (25.17)	538 (35.75)	1 [referent]		1 [referent]	
Yes	113 (74.83)	967 (64.25)	2.15 [0.89-5.19]	0.088	2.00 [0.70-5.74]	0.196
Threatened Preterm Labour						
No	131 (86.75)	1,333 (88.57)	1 [referent]		1 [referent]	
Yes	20 (13.25)	172 (11.43)	1.32 [0.42-4.17]	0.640	0.69 [0.19-2.59]	0.584
APH						
No	142 (94.04)	1,456 (96.74)	1 [referent]		1 [referent]	
Yes	9 (5.96)	49 (3.26)	3.74 [0.62-22.66]	0.151	2.12 [0.27-16.50]	0.473
Placenta Praevia ^a						
No	151 (100.00)	1,495 (99.34)				
Yes	0 (0.00)	10 (0.66)				
Placental Abruption ^a						
No	149 (98.68)	1,501 (99.73)				
Yes	2 (1.32)	4 (0.27)				
Fetal Distress						
No	132 (87.42)	1,386 (92.09)	1 [referent]		1 [referent]	
Yes	19 (12.58)	119 (7.91)	2.77 [0.81-9.50]	0.105	1.39 [0.33-5.82]	0.656
Cephalopelvic Disproportion ^a						
No	151 (100.00)	1,501 (99.73)				
Yes	0 (0.00)	4 (0.27)				
Prolapsed Cord ^a						
No	148 (98.01)	1,495 (99.34)				

Yes	3 (1.99)	10 (0.66)				
Precipitate Delivery ^a						
No	149 (98.68)	1,481 (98.41)				
Yes	2 (1.32)	24 (1.59)				
PPH ≥500mls						
No	96 (63.58)	1,103 (73.29)	1 [referent]		1 [referent]	
Yes	55 (36.42)	402 (26.71)	2.61 [1.14-5.97]	0.023	1.42 [0.54-3.76]	0.477
TSR ≥2mins						
No	119 (78.81)	1,305 (86.71)	1 [referent]		1 [referent]	
Yes	32 (21.19)	200 (13.29)	1.76 [0.80-3.89]	0.161	0.80 [0.26-2.46]	0.697
Apgar 5-minutes <7 ^a						
No	147 (97.35)	1,476 (98.07)				
Yes	4 (2.65)	29 (1.93)				
Intubation						
No	112 (74.17)	1,277 (84.85)	1 [referent]		1 [referent]	
Yes	39 (25.83)	228 (15.15)	2.31 [1.00-5.33]	0.051	2.48 [0.86-7.20]	0.093
Early Preterm Birth						
No	123 (81.46)	1,287 (85.51)	1 [referent]		1 [referent]	
Yes	28 (18.54)	218 (14.49)	1.64 [0.59-4.57]	0.345	0.68 [0.20-2.27]	0.525
POBW <15th Percentile						
No	114 (75.5)	1,117 (74.22)	1 [referent]		1 [referent]	
Yes	23 (15.23)	194 (12.89)	1.51 [0.65-3.54]	0.341	1.65 [0.63-4.30]	0.304
Unavailable	14 (9.27)	194 (12.89)				
Parity						
0	58 (38.41)	604 (40.13)	1 [referent]		1 [referent]	
1	49 (32.45)	534 (35.48)	1.06 [0.44-2.56]	0.906	0.87 [0.25-3.08]	0.827
≥2	44 (29.14)	367 (24.39)	1.73 [0.67-4.50]	0.259	2.02 [0.35-11.63]	0.432
			Overall p-value	0.481	Overall p-value	0.554
Child						
Sex						
Female	51 (33.77)	799 (53.09)	1 [referent]		1 [referent]	
Male	100 (66.23)	706 (46.91)	5.21 [2.58-10.52]	<0.001	5.35 [2.38-12.00]	<0.001
Ethnicity						
Other	137 (90.73)	1,435 (95.35)	1 [referent]		1 [referent]	
Indigenous Australian	14 (9.27)	70 (4.65)	3.96 [0.86-18.29]	0.078	2.43 [0.36-16.63]	0.364
Child Speaks Language Other Than English at Home						
No	139 (92.05)	1,377 (91.50)	1 [referent]		1 [referent]	
Yes	12 (7.95)	128 (8.50)	0.67 [0.17-2.62]	0.567	1.13 [0.24-5.18]	0.880
Age Category at Time of AEDC Completion ^b						
1	40 (26.49)	281 (18.67)	2.42 [0.98-5.94]	0.055	2.84 [1.05-7.73]	0.041
2	98 (64.9)	1,101 (73.16)	1 [referent]		1 [referent]	
3	13 (8.61)	123 (8.17)	1.73 [0.46-6.48]	0.417	0.51 [0.09-2.75]	0.431
			Overall p-value	0.145	Overall p-value	0.065
Total Number of Siblings						
1	41 (27.15)	467 (31.03)	1 [referent]		1 [referent]	
2	57 (37.75)	597 (39.67)	1.27 [0.50-3.23]	0.613	1.97 [0.52-7.49]	0.322
3	27 (17.88)	287 (19.07)	1.27 [0.41-3.91]	0.678	0.91 [0.16-5.21]	0.915
>3	26 (17.22)	154 (10.23)	4.06 [1.14-14.39]	0.030	2.53 [0.33-19.66]	0.374
			Overall p-value	0.172	Overall p-value	0.417
Sociodemographic						
Index of Relative Socioeconomic Disadvantage						
Lowest Quintile	118 (78.15)	1,255 (83.39)	1.67 [0.59-4.74]	0.336	0.72 [0.21-2.45]	0.596
> Lowest Quintile	26 (17.22)	211 (14.02)	1 [referent]		1 [referent]	
Unavailable	7 (4.64)	39 (2.59)				

^a Excluded from multivariable analysis due to small N.

^b Age categories classified as; 1) ≥3 years 10 months to <5 years and one month, 2) ≥5 years and one month to <5 years and 10 months (reference category), 3) ≥5 years and 10 months to <6 years 10 months.

Table 3. Risk Factors for Developmental Vulnerability on the Emotional Maturity Domain.

Characteristic	DV (N=147) N (%)	NDV (N=1,509) N (%)	Bivariate		Multivariable (N=1,352)	
			OR [95% CI]	p-value	aOR [95% CI]	p-value
Maternal						
Age at Time of Child's Birth (years)						
<25	39 (26.53)	183 (12.13)	3.14 [1.44-6.89]	0.004	1.89 [0.70-5.05]	0.206
25-29	31 (21.09)	353 (23.39)	1 [referent]		1 [referent]	
30-34	38 (25.85)	568 (37.64)	0.70 [0.35-1.40]	0.311	1.03 [0.46-2.34]	0.937
≥35	39 (26.53)	405 (26.84)	1.12 [0.55-2.27]	0.762	1.16 [0.48-2.81]	0.742
			Overall p-value	0.001	Overall p-value	0.611
Marital Status						
Married (inc. de facto)	111 (75.51)	1,369 (90.72)	1 [referent]		1 [referent]	
All Other	34 (23.13)	136 (9.01)	4.58 [2.26-9.27]	<0.001	3.77 [1.48-9.58]	0.006
Unavailable	2 (1.36)	4 (0.27)				
Occupational Status Scale at Time of Child's Birth						
0-20	45 (30.61)	264 (17.50)	2.62 [1.46-4.72]	0.001	1.85 [0.86-3.97]	0.113
>20-100	95 (64.63)	1,190 (78.86)	1 [referent]		1 [referent]	
Unavailable	7 (4.76)	55 (3.64)				
Pregnancy & Birth						
Fertility Treatments						
No	126 (85.71)	1,262 (83.63)	1 [referent]		1 [referent]	
Yes	21 (14.29)	247 (16.37)	0.81 [0.40-1.66]	0.567	1.03 [0.42-2.53]	0.957
Smoking Status During Pregnancy						
No	118 (80.27)	1,300 (86.15)	1 [referent]		1 [referent]	
Yes	29 (19.73)	209 (13.85)	1.70 [0.86-3.36]	0.130	0.82 [0.33-2.02]	0.662
Pre-eclampsia						
No	129 (87.76)	1,331 (88.20)	1 [referent]		1 [referent]	
Yes	18 (12.24)	178 (11.80)	1.09 [0.50-2.40]	0.827	1.87 [0.75-4.63]	0.176
Gestational Diabetes						
No	138 (93.88)	1,416 (93.84)	1 [referent]		1 [referent]	
Yes	9 (6.12)	93 (6.16)	1.02 [0.35-2.97]	0.975	1.18 [0.37-3.76]	0.785
Threatened Abortion						
No	140 (95.24)	1,432 (94.90)	1 [referent]		1 [referent]	
Yes	7 (4.76)	77 (5.10)	0.91 [0.28-3.03]	0.882	0.09 [0.01-1.06]	0.055
Other Pregnancy Related Complications						
No	35 (23.81)	541 (35.85)	1 [referent]		1 [referent]	
Yes	112 (76.19)	968 (64.15)	2.13 [1.20-3.80]	0.010	1.80 [0.86-3.78]	0.121
Threatened Preterm Labour						
No	125 (85.03)	1,339 (88.73)	1 [referent]		1 [referent]	
Yes	22 (14.97)	170 (11.27)	1.52 [0.72-3.25]	0.274	1.21 [0.51-2.85]	0.664
APH						
No	139 (94.56)	1,459 (96.69)	1 [referent]		1 [referent]	
Yes	8 (5.44)	50 (3.31)	2.13 [0.62-7.31]	0.230	0.67 [0.13-3.31]	0.618
Placenta Praevia ^a						
No	146 (99.32)	1,500 (99.40)				
Yes	1 (0.68)	9 (0.60)				
Placental Abruption ^a						
No	145 (98.64)	1,505 (99.73)				
Yes	2 (1.36)	4 (0.27)				
Fetal Distress						
No	128 (87.07)	1,390 (92.11)	1 [referent]		1 [referent]	
Yes	19 (12.93)	119 (7.89)	1.95 [0.86-4.44]	0.111	1.09 [0.40-2.93]	0.869
Cephalopelvic Disproportion ^a						
No	147 (100.00)	1,505 (99.73)				
Yes	0 (0.00)	4 (0.27)				
Prolapsed Cord ^a						
No	145 (98.64)	1,498 (99.27)				

Yes	2 (1.36)	11 (0.73)				
Precipitate Delivery ^a						
No	146 (99.32)	1,484 (98.34)				
Yes	1 (0.68)	25 (1.66)				
PPH ≥500mls						
No	95 (64.63)	1,104 (73.16)	1 [referent]		1 [referent]	
Yes	52 (35.37)	405 (26.84)	1.75 [1.01-3.05]	0.047	1.03 [0.52-2.03]	0.932
TSR ≥2mins						
No	119 (80.95)	1,305 (86.48)	1 [referent]		1 [referent]	
Yes	28 (19.05)	204 (13.52)	1.69 [0.91-3.15]	0.096	1.12 [0.45-2.74]	0.812
Apgar 5-minutes <7 ^a						
No	143 (97.28)	1,480 (98.08)				
Yes	4 (2.72)	29 (1.92)				
Intubation						
No	114 (77.55)	1,275 (84.49)	1 [referent]		1 [referent]	
Yes	33 (22.45)	234 (15.51)	1.78 [0.98-3.21]	0.057	1.48 [0.63-3.49]	0.366
Early Preterm Birth						
No	119 (80.95)	1,291 (85.55)	1 [referent]		1 [referent]	
Yes	28 (19.05)	218 (14.45)	1.51 [0.76-3.00]	0.237	0.95 [0.42-2.13]	0.897
POBW <15th Percentile						
No	106 (72.11)	1,125 (74.55)	1 [referent]		1 [referent]	
Yes	24 (16.33)	193 (12.79)	1.48 [0.76-2.87]	0.252	1.59 [0.77-3.30]	0.210
Unavailable	17 (11.56)	191 (12.66)				
Parity						
0	61 (41.5)	601 (39.83)	1 [referent]		1 [referent]	
1	52 (35.37)	531 (35.19)	0.99 [0.55-1.78]	0.968	0.86 [0.36-2.03]	0.723
≥2	34 (23.13)	377 (24.98)	0.89 [0.46-1.72]	0.727	0.84 [0.24-2.95]	0.786
			Overall p-value	0.934	Overall p-value	0.935
Child						
Sex						
Female	32 (21.77)	818 (54.21)	1 [referent]		1 [referent]	
Male	115 (78.23)	691 (45.79)	10.13 [4.94-20.79]	<0.001	9.37 [4.42-19.87]	<0.001
Ethnicity						
Other	131 (89.12)	1,441 (95.49)	1 [referent]		1 [referent]	
Indigenous Australian	16 (10.88)	68 (4.51)	3.62 [1.36-9.62]	0.010	5.61 [1.48-21.31]	0.012
Child Speaks Language Other Than English at Home						
No	135 (91.84)	1,381 (91.52)	1 [referent]		1 [referent]	
Yes	12 (8.16)	128 (8.48)	1.00 [0.40-2.49]	0.994	1.02 [0.34-3.04]	0.975
Age Category at Time of AEDC Completion ^b						
1	37 (25.17)	284 (18.82)	1.57 [0.85-2.90]	0.148	1.38 [0.68-2.80]	0.377
2	102 (69.39)	1,097 (72.7)	1 [referent]		1 [referent]	
3	8 (5.44)	128 (8.48)	0.62 [0.22-1.77]	0.372	0.31 [0.08-1.17]	0.085
			Overall p-value	0.187	Overall p-value	0.122
Total Number of Siblings						
1	45 (30.61)	463 (30.68)	1 [referent]		1 [referent]	
2	59 (40.14)	595 (39.43)	1.05 [0.57-1.95]	0.873	1.72 [0.69-4.25]	0.241
3	22 (14.97)	292 (19.35)	0.71 [0.32-1.57]	0.400	0.95 [0.28-3.24]	0.935
>3	21 (14.29)	159 (10.54)	1.62 [0.69-3.80]	0.270	1.93 [0.46-8.19]	0.370
			Overall p-value	0.423	Overall p-value	0.356
Sociodemographic						
Index of Relative Socioeconomic Disadvantage						
Lowest Quintile	118 (80.27)	1,255 (83.17)	1.08 [0.54-2.17]	0.835	0.58 [0.24-1.43]	0.238
> Lowest Quintile	22 (14.97)	215 (14.25)	1 [referent]		1 [referent]	
Unavailable	7 (4.76)	39 (2.58)				

^a Excluded from multivariable analysis due to small N.

^b Age categories classified as; 1) ≥3 years 10 months to <5 years and one month, 2) ≥5 years and one month to <5 years and 10 months (reference category), 3) ≥5 years and 10 months to <6 years 10 months.

Table 4. Risk Factors for Developmental Vulnerability on the Language & Cognitive Skills (school-based) Domain.

Characteristic	DV (N=195) N (%)	NDV (N=1,461) N (%)	Bivariate		Multivariable (N=1,352)	
			OR [95% CI]	p-value	aOR [95% CI]	p-value
Maternal						
Age at Time of Child's Birth (years)						
<25	68 (34.87)	154 (10.54)	18.41 [5.21-65.05]	<0.001	12.90 [2.81-59.16]	0.001
25-29	38 (19.49)	346 (23.68)	1 [referent]		1 [referent]	
30-34	52 (26.67)	554 (37.92)	0.72 [0.25-2.02]	0.528	0.80 [0.24-2.67]	0.716
≥35	37 (18.97)	407 (27.86)	0.70 [0.23-2.13]	0.528	0.98 [0.27-3.57]	0.970
			Overall p-value	<0.001	Overall p-value	0.003
Marital Status						
Married (inc. de facto)	145 (74.36)	1,335 (91.38)	1 [referent]		1 [referent]	
All Other	50 (25.64)	120 (8.21)	18.44 [5.70-59.63]	<0.001	5.92 [1.43-24.59]	0.014
Unavailable	0 (0.00)	6 (0.41)				
Occupational Status Scale at Time of Child's Birth						
0-20	70 (35.90)	239 (16.36)	12.68 [4.58-35.09]	<0.001	3.61 [1.19-10.95]	0.024
>80-100	105 (53.85)	1,180 (80.77)	1 [referent]		1 [referent]	
Unavailable	20 (10.26)	42 (2.87)				
Pregnancy & Birth						
Fertility Treatments						
No	180 (92.31)	1,208 (82.68)	1 [referent]		1 [referent]	
Yes	15 (7.69)	253 (17.32)	0.16 [0.04-0.55]	0.004	0.42 [0.09-1.95]	0.264
Smoking Status During Pregnancy						
No	145 (74.36)	1,273 (87.13)	1 [referent]		1 [referent]	
Yes	50 (25.64)	188 (12.87)	6.35 [2.24-18.01]	<0.001	0.28 [0.07-1.09]	0.066
Pre-eclampsia						
No	176 (90.26)	1,284 (87.89)	1 [referent]		1 [referent]	
Yes	19 (9.74)	177 (12.11)	0.61 [0.18-2.10]	0.434	1.09 [0.26-4.60]	0.908
Gestational Diabetes						
No	184 (94.36)	1,370 (93.77)	1 [referent]		1 [referent]	
Yes	11 (5.64)	91 (6.23)	0.84 [0.16-4.44]	0.836	0.66 [0.11-4.01]	0.651
Threatened Abortion						
No	189 (96.92)	1,383 (94.66)	1 [referent]		1 [referent]	
Yes	6 (3.08)	78 (5.34)	0.36 [0.05-2.41]	0.291	0.20 [0.01-3.32]	0.258
Other Pregnancy Related Complications						
No	53 (27.18)	523 (35.80)	1 [referent]		1 [referent]	
Yes	142 (72.82)	938 (64.20)	1.96 [0.84-4.54]	0.119	1.29 [0.45-3.71]	0.635
Threatened Preterm Labour						
No	162 (83.08)	1,302 (89.12)	1 [referent]		1 [referent]	
Yes	33 (16.92)	159 (10.88)	3.21 [0.80-12.92]	0.100	1.20 [0.32-4.48]	0.782
APH						
No	183 (93.85)	1,415 (96.85)	1 [referent]		1 [referent]	
Yes	12 (6.15)	46 (3.15)	6.80 [0.62-74.13]	0.116	4.92 [0.62-39.01]	0.131
Placenta Praevia						
No	195 (100.00)	1,451 (99.32)				
Yes	0 (0.00)	10 (0.68)				
Placental Abruption						
No	195 (100.00)	1,455 (99.59)				
Yes	0 (0.00)	6 (0.41)				
Fetal Distress						
No	173 (88.72)	1,345 (92.06)	1 [referent]		1 [referent]	
Yes	22 (11.28)	116 (7.94)	2.04 [0.45-9.17]	0.353	0.56 [0.11-2.76]	0.475
Cephalopelvic Disproportion^a						
No	195 (100.00)	1,457 (99.73)				
Yes	0 (0.00)	4 (0.27)				
Prolapsed Cord^a						

No	192 (98.46)	1,451 (99.32)				
Yes	3 (1.54)	10 (0.68)				
Precipitate Delivery^a						
No	190 (97.44)	1,440 (98.56)				
Yes	5 (2.56)	21 (1.44)				
PPH ≥500mls						
No	123 (63.08)	1,076 (73.65)	1 [referent]		1 [referent]	
Yes	72 (36.92)	385 (26.35)	3.13 [1.22-8.05]	0.018	1.84 [0.67-5.03]	0.237
TSR ≥2mins						
No	163 (83.59)	1,261 (86.31)	1 [referent]		1 [referent]	
Yes	32 (16.41)	200 (13.69)	0.95 [0.39-2.30]	0.908	0.62 [0.20-1.91]	0.399
Apgar 5-minutes <7^a						
No	193 (98.97)	1,430 (97.88)				
Yes	2 (1.03)	31 (2.12)				
Intubation						
No	159 (81.54)	1,230 (84.19)	1 [referent]		1 [referent]	
Yes	36 (18.46)	231 (15.81)	1.13 [0.49-2.58]	0.779	1.68 [0.59-4.81]	0.333
Early Preterm Birth						
No	155 (79.49)	1,255 (85.90)	1 [referent]		1 [referent]	
Yes	40 (20.51)	206 (14.10)	2.57 [0.75-8.80]	0.133	0.79 [0.23-2.80]	0.720
POBW <15th Percentile						
No	142 (72.82)	1,089 (74.54)	1 [referent]		1 [referent]	
Yes	36 (18.46)	181 (12.39)	1.62 [0.72-3.66]	0.246	1.74 [0.71-4.25]	0.222
Unavailable	17 (8.72)	191 (13.07)				
Parity						
0	51 (26.15)	611 (41.82)	1 [referent]		1 [referent]	
1	81 (41.54)	502 (34.36)	4.67 [1.71-12.70]	0.003	5.12 [1.25-20.99]	0.023
≥2	63 (32.31)	348 (23.82)	6.18 [2.09-18.27]	0.001	6.37 [1.00-40.66]	0.050
			Overall p-value	0.002	Overall p-value	0.060
Child						
Sex						
Female	85 (43.59)	765 (52.36)	1 [referent]		1 [referent]	
Male	110 (56.41)	696 (47.64)	3.03 [1.60-5.71]	<0.001	3.57 [1.66-7.65]	0.001
Ethnicity						
Other	165 (84.62)	1,407 (96.30)	1 [referent]		1 [referent]	
Indigenous Australian	30 (15.38)	54 (3.70)	34.27 [7.49-156.82]	<0.001	2.22 [0.32-15.52]	0.420
Child Speaks Language Other Than English at Home						
No	167 (85.64)	1,349 (92.33)	1 [referent]		1 [referent]	
Yes	28 (14.36)	112 (7.67)	3.82 [0.89-16.47]	0.072	2.14 [0.49-9.35]	0.313
Age Category at Time of AEDC Completion^b						
1	48 (24.62)	273 (18.69)	2.09 [0.74-5.89]	0.164	2.18 [0.77-6.16]	0.140
2	128 (65.64)	1,071 (73.31)	1 [referent]		1 [referent]	
3	19 (9.74)	117 (8.01)	2.56 [0.56-11.82]	0.227	1.06 [0.22-5.19]	0.943
			Overall p-value	0.234	Overall p-value	0.329
Total Number of Siblings						
1	41 (21.03)	467 (31.96)	1 [referent]		1 [referent]	
2	79 (40.51)	575 (39.36)	2.82 [1.01-7.88]	0.048	0.63 [0.15-2.60]	0.523
3	35 (17.95)	279 (19.10)	2.40 [0.71-8.13]	0.160	0.23 [0.04-1.40]	0.110
>3	40 (20.51)	140 (9.58)	17.34 [4.37-68.74]	<0.001	2.14 [0.29-15.84]	0.455
			Overall p-value	<0.001	Overall p-value	0.044
Sociodemographic						
Index of Relative Socioeconomic Disadvantage						
Lowest Quintile	141 (72.31)	1,232 (84.33)	6.87 [1.80-26.28]	0.005	1.52 [0.47-4.94]	0.486
> Lowest Quintile	46 (23.59)	191 (13.07)	1 [referent]		1 [referent]	
Unavailable	8 (4.10)	38 (2.60)				

^a Excluded from multivariable analysis due to small N.

^b Age categories classified as; 1) ≥3 years 10 months to <5 years and one month, 2) ≥5 years and one month to <5 years and 10 months (reference category), 3) ≥5 years and 10 months to <6 years 10 months.

Table 5. Risk Factors for Developmental Vulnerability on the Communication Skills & General Knowledge Domain.

Characteristic	DV (N=200) N (%)	NDV (N=1,456) N (%)	Bivariate		Multivariable (N=1,352)	
			OR [95% CI]	p-value	aOR [95% CI]	p-value
Maternal						
Age at Time of Child's Birth (years)						
<25	59 (29.50)	163 (11.20)	13.25 [3.50-50.17]	<0.001	10.96 [2.24-53.75]	0.003
25-29	40 (20.00)	344 (23.63)	1 [referent]		1 [referent]	
30-34	59 (29.50)	547 (37.57)	0.74 [0.24-2.28]	0.602	1.17 [0.33-4.09]	0.811
≥35	42 (21.00)	402 (27.61)	0.75 [0.23-2.47]	0.632	1.34 [0.34-5.26]	0.675
			Overall p-value	<0.001	Overall p-value	0.020
Marital Status						
Married (inc. de facto)	160 (80.00)	1,320 (90.66)	1 [referent]		1 [referent]	
All Other	40 (20.00)	130 (8.93)	14.40 [2.74-75.72]	0.002	2.28 [0.52-10.04]	0.276
Unavailable	0 (0.00)	6 (0.41)				
Occupational Status Scale at Time of Child's Birth						
0-20	68 (34.00)	241 (16.55)	11.20 [3.86-32.50]	<0.001	2.11 [0.67-6.65]	0.203
>20-100	117 (58.50)	1,168 (80.22)	1 [referent]		1 [referent]	
Unavailable	15 (7.50)	47 (3.23)				
Pregnancy & Birth						
Fertility Treatments						
No	188 (94.00)	1,200 (82.42)	1 [referent]		1 [referent]	
Yes	12 (6.00)	256 (17.58)	0.10 [0.02-0.39]	<0.001	0.32 [0.06-1.64]	0.172
Smoking Status During Pregnancy						
No	148 (74.00)	1,270 (87.23)	1 [referent]		1 [referent]	
Yes	52 (26.00)	186 (12.77)	7.79 [2.61-23.28]	<0.001	1.51 [0.42-5.45]	0.532
Pre-eclampsia						
No	175 (87.50)	1,285 (88.26)	1 [referent]		1 [referent]	
Yes	25 (12.50)	171 (11.74)	1.07 [0.29-3.90]	0.924	0.95 [0.21-4.20]	0.944
Gestational Diabetes						
No	187 (93.50)	1,367 (93.89)	1 [referent]		1 [referent]	
Yes	13 (6.50)	89 (6.11)	1.16 [0.20-6.72]	0.870	1.39 [0.23-8.50]	0.724
Threatened Abortion						
No	192 (96.00)	1,380 (94.78)	1 [referent]		1 [referent]	
Yes	8 (4.00)	76 (5.22)	0.55 [0.09-3.48]	0.524	0.37 [0.02-5.73]	0.477
Other Pregnancy Related Complications						
No	51 (25.50)	525 (36.06)	1 [referent]		1 [referent]	
Yes	149 (74.50)	931 (63.94)	2.53 [1.07-6.00]	0.035	1.61 [0.53-4.90]	0.404
Threatened Preterm Labour						
No	178 (89.00)	1,286 (88.32)	1 [referent]		1 [referent]	
Yes	22 (11.00)	170 (11.68)	1.00 [0.27-3.61]	0.994	0.45 [0.11-1.88]	0.272
APH						
No	188 (94.00)	1,410 (96.84)	1 [referent]		1 [referent]	
Yes	12 (6.00)	46 (3.16)	9.09 [0.70-117.63]	0.091	1.15 [0.12-11.44]	0.905
Placenta Praevia ^a						
No	200 (100.00)	1,446 (99.31)				
Yes	0 (0.00)	10 (0.69)				
Placental Abruption ^a						
No	199 (99.50)	1,451 (99.66)				
Yes	1 (0.50)	5 (0.34)				
Fetal Distress						
No	172 (86.00)	1,346 (92.45)	1 [referent]		1 [referent]	
Yes	28 (14.00)	110 (7.55)	4.73 [1.00-22.38]	0.050	2.21 [0.52-9.41]	0.285
Cephalopelvic Disproportion ^a						
No	200 (100.00)	1,452 (99.73)				
Yes	0 (0.00)	4 (0.27)				
Prolapsed Cord ^a						

No	200 (100)	1,443 (99.11)				
Yes	0 (0.00)	13 (0.89)				
Precipitate Delivery ^a						
No	195 (97.50)	1,435 (98.56)				
Yes	5 (2.50)	21 (1.44)				
PPH ≥500mls						
No	122 (61.00)	1,077 (73.97)	1 [referent]		1 [referent]	
Yes	78 (39.00)	379 (26.03)	3.72 [1.41-9.86]	0.008	2.38 [0.84-6.74]	0.104
TSR ≥2mins						
No	163 (81.50)	1,261 (86.61)	1 [referent]		1 [referent]	
Yes	37 (18.50)	195 (13.39)	2.80 [1.08-7.22]	0.034	1.55 [0.50-4.86]	0.448
Apgar 5-minutes <7 ^a						
No	198 (99.00)	1,425 (97.87)				
Yes	2 (1.00)	31 (2.13)				
Intubation						
No	162 (81.00)	1,227 (84.27)	1 [referent]		1 [referent]	
Yes	38 (19.00)	229 (15.73)	1.91 [0.80-4.56]	0.147	1.32 [0.45-3.90]	0.614
Early Preterm Birth						
No	157 (78.50)	1,253 (86.06)	1 [referent]		1 [referent]	
Yes	43 (21.50)	203 (13.94)	3.73 [0.99-14.09]	0.053	1.68 [0.48-5.82]	0.413
POBW <15th Percentile						
No	146 (73.00)	1,085 (74.52)	1 [referent]		1 [referent]	
Yes	36 (18.00)	181 (12.43)	1.83 [0.78-4.33]	0.166	1.77 [0.72-4.32]	0.211
Unavailable	18 (9.00)	190 (13.05)				
Parity						
0	65 (32.50)	597 (41.00)	1 [referent]		1 [referent]	
1	68 (34.00)	515 (35.37)	1.51 [0.59-3.86]	0.385	1.56 [0.38-6.42]	0.536
≥2	67 (33.50)	344 (23.63)	4.54 [1.47-14.09]	0.009	2.48 [0.38-15.95]	0.340
			Overall p-value	0.032	Overall p-value	0.633
Child						
Sex						
Female	87 (43.50)	763 (52.40)	1 [referent]		1 [referent]	
Male	113 (56.50)	693 (47.60)	3.00 [1.56-5.79]	0.001	3.26 [1.49-7.10]	0.003
Ethnicity						
Other	179 (89.50)	1,393 (95.67)	1 [referent]		1 [referent]	
Indigenous Australian	21 (10.50)	63 (4.33)	21.66 [2.34-200.50]	0.007	0.81 [0.10-6.68]	0.842
Child Speaks Language Other Than English at Home						
No	161 (80.50)	1,355 (93.06)	1 [referent]		1 [referent]	
Yes	39 (19.50)	101 (6.94)	11.16 [3.30-37.77]	<0.001	17.83 [4.10-77.61]	<0.001
Age Category at Time of AEDC Completion ^b						
1	57 (28.50)	264 (18.13)	5.60 [1.73-18.09]	0.004	6.01 [1.97-18.31]	0.002
2	125 (62.50)	1,074 (73.76)	1 [referent]		1 [referent]	
3	18 (9.00)	118 (8.10)	1.91 [0.44-8.30]	0.387	1.30 [0.24-6.95]	0.762
			Overall p-value	0.017	Overall p-value	0.007
Total Number of Siblings						
1	49 (24.50)	459 (31.52)	1 [referent]		1 [referent]	
2	77 (38.50)	577 (39.63)	1.54 [0.58-4.13]	0.387	0.88 [0.20-3.81]	0.864
3	37 (18.50)	277 (19.02)	1.64 [0.49-5.44]	0.419	1.11 [0.18-6.78]	0.913
>3	37 (18.50)	143 (9.82)	15.85 [2.91-86.42]	0.001	4.07 [0.48-34.47]	0.198
			Overall p-value	0.015	Overall p-value	0.371
Sociodemographic						
Index of Relative Socioeconomic Disadvantage						
Lowest Quintile	153 (76.50)	1,220 (83.79)	4.24 [1.12-16.03]	0.033	0.92 [0.26-3.26]	0.890
> Lowest Quintile	42 (21.00)	195 (13.39)	1 [referent]		1 [referent]	
Unavailable	5 (2.50)	41 (2.82)				

^a Excluded from multivariable analysis due to small N.

^b Age categories classified as; 1) ≥3 years 10 months to <5 years and one month, 2) ≥5 years and one month to <5 years and 10 months (reference category), 3) ≥5 years and 10 months to <6 years 10 months.