

Summary of analytical analysis on live preterm birth outcomes

Pregnancy exposures	Live preterm birth			
	Pearson Chi Square	Chi- P value	[OR (95% CI)]	Univariate- P value
Maternal age (years) ≤19 Reference 20 - 29 30 - 39 ≥40	3.07	0.381	Reference 0.9 (0.5 – 1.5) 1.1 (0.6 – 2.0) 0.5 (0.1 – 2.1)	 0.610 0.659 0.309
Race Black White Coloured Indian	30.93	<0.001	Reference 2.8 (1.8 – 4.2) 2.2 (1.3 – 3.6) 3.7 (1.5 – 8.8)	 <0.001 0.002 0.003
Pesticides	0.02	0.877	1.0 (0.7 – 1.5)	0.877
Daily alcohol intake	0.59	0.441	0.8 (0.4 – 1.5)	0.442
Tobacco use	0.01	0.931	1.0 (0.6 – 1.6)	0.931
Education level No Schooling Primary School Secondary school Tertiary	16.74	0.001	Reference 2.2 (1.2 – 3.9) 3.1 (2.0 – 4.6) 0.000053	 <0.001 <0.001
Income level(in Rands) <2500 omitted 2500 -4999 5000 -10000 10000 -19999 ≥20000	24.43	<0.001	Reference 0.9 (0.5 - 1.7) 2.7 (1.6 – 4.5) 1.7 (0.9 -3.0) 2.8 (1.5 – 5.3)	 0.749 <0.001 0.080 0.001
Working	0.54	0.463	1.1 (0.8 – 1.6)	0.464
Gravidity	1.71	0.788	1.1 (0.9 – 1.2)	0.278
Psychological stress	4.34	0.037	1.4 (1.0 – 2.1)	0.038
Chronic diseases	7.33	0.007	1.8 (1.2 -2.7)	0.007
Antenatal care	2.77	0.096	0.6 (0.4 -1.1)	0.099

Summary of analytical analysis on pregnancy loss outcomes

Pregnancy exposures	Pregnancy loss			
	Pearson Chi Square	Chi- P value	[OR (95% CI)]	Univariate- P value
Maternal age (years) ≤19 Reference 20 - 29 30 - 39 ≥40	2.83	0.419	Reference 0.7 (0.3 – 1.7) 1.1 (0.5 – 2.5) 1.8 (0.4 -7.1)	 0.512 0.814 0.423
Race Black White Coloured Indian	8.68	0.034	Reference 2.3 (1.3 -4.2) 1.5 (0.7 – 3.3) 0.8 (0.1 – 6.2)	 0.005 0.228 0.840
Pesticides	5.24	0.022	1.8 (1.1 -3.1)	0.024
Daily alcohol intake	1.72	0.190	1.6 (0.8 – 3.4)	0.194
Tobacco use	0.45	0.504	1.3 (0.7 – 2.4)	0.504
Education level No Schooling Primary School Secondary school Tertiary	11.34	0.010	Reference 1.2 (0.3 – 5.5) 0.6 (0.1 – 2.7) 1.6 (0.4 – 7.4)	 0.821 0.504 0.520
Income level(in Rands) <2500 omitted 2500 -4999 5000 -10000 10000 -19999 ≥20000	7.68	0.104	Reference 0.8 (0.3 – 2.1) 1.9 (0.9 – 4.2) 2.0 (0.9 – 4.4) 2.1 (0.9 – 5.3)	 0.655 0.093 0.073 0.108
Working	7.33	0.007	2.1 (1.2 – 3.5)	0.008
Gravidity	1.71	0.788	1.0 (0.8 – 1.3)	0.881
Psychological stress	23.36	<0.001	3.5 (2.0 – 5.9)	<0.001
Chronic diseases	0.199	0.656	1.2 (0.6 -2.3)	0.656
Antenatal care	19.61	<0.001	0.3 (0.1 – 0.5)	0.000