



## Body Mass Index Differences and Parities on Knowledge of Myocardial Infarction among Public and Outpatients in Sub-Saharan Africa: A Cross-Sectional Study in Greater Gaborone, Botswana

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**Citation:**

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No x BMI1	3.11 ± 2.71	3.69 ± 2.69	4.19 ± 315	5.31 ± 3.09
No x BMI2	2.98 ± 2.47	3.31 ± 2.80	4.06 ± 3.11	5.35 ± 3.20
No x BMI3	2.38 ± 2.42	1.92 ± 2.43	3.33 ± 3.00	3.78 ± 2.92
Current x BMI0	1.71 ± 2.58	3.50 ± 4.95	2.54 ± 3.12	5.00 ± 7.07
Current x BMI1	2.47 ± 2.44	4.00 ± 2.93	3.32 ± 2.91	5.95 ± 3.36
Current x BMI2	2.59 ± 2.27	3.69 ± 2.90	3.58 ± 2.75	5.69 ± 3.04
Current x BMI3	2.13 ± 1.92	3.80 ± 3.06	3.00 ± 2.45	5.88 ± 3.49
Former x BMI0	2.00 ± NA	3.80 ± 4.03	2.00 ± NA	5.60 ± 3.78
Former x BMI1	3.43 ± 2.63	4.13 ± 3.76	4.35 ± 3.38	6.88 ± 3.60
Former x BMI2	3.33 ± 2.99	2.57 ± 2.82	4.67 ± 3.60	4.57 ± 3.26
Former x BMI3	2.89 ± 2.03	3.83 ± 3.87	4.22 ± 1.99	6.83 ± 3.71
p	BMI1 x No vs. BMI1 x Current<0.001, d=0.006	BMI3 x No vs. BMI3 x Current=0.015, d=0.018	BMI1 x No vs. BMI1 x Current<0.001, d=0.008	BMI3 x No vs. BMI3 x Current=0.018, d=0.003021
Overall p	0.668	0.317	0.499	0.283
<b>Family history of heart diseases/ stroke</b>				
None x BMI0	1.46 ± 1.68	4.00 ± 5.66	1.81 ± 1.79	5.00 ± 7.07
None x BMI1	2.08 ± 2.45	2.05 ± 3.03	2.63 ± 2.92	3.30 ± 3.92
None x BMI2	2.36 ± 2.27	2.42 ± 3.42	2.89 ± 3.00	3.92 ± 4.21
None x BMI3	1.70 ± 2.01	1.53 ± 2.77	2.04 ± 2.20	2.67 ± 3.87
Both x BMI0	2.08 ± 2.45	2.05 ± 3.03	6.28 ± 3.21	7.50 ± 3.70
Both x BMI1	3.46 ± 2.70	4.96 ± 2.96	4.95 ± 3.19	6.59 ± 3.24
Both x BMI2	3.33 ± 2.51	4.51 ± 2.72	4.57 ± 3.01	6.49 ± 2.99
Both x BMI3	2.77 ± 2.35	3.90 ± 3.33	4.08 ± 2.80	6.05 ± 3.51
Heart x BMI0	3.09 ± 2.62	3.00 ± 2.65	4.14 ± 3.59	4.20 ± 3.49
Heart x BMI1	2.89 ± 2.52	2.86 ± 2.39	3.90 ± 2.72	4.52 ± 2.81
Heart x BMI2	2.59 ± 2.20	1.73 ± 1.82	4.02 ± 2.77	4.00 ± 2.21
Heart x BMI3	2.43 ± 2.32	1.66 ± 1.85	3.77 ± 2.97	3.87 ± 1.98
Stroke x BMI0	3.50 ± 2.72	8.00 ± NA	5.80 ± 3.65	5.00 ± NA
Stroke x BMI1	4.02 ± 2.73	4.33 ± 2.10	5.13 ± 3.16	6.61 ± 2.45
Stroke x BMI2	3.73 ± 2.72	4.44 ± 2.61	4.91 ± 2.99	6.44 ± 3.05
Stroke x BMI3	3.56 ± 2.51	3.82 ± 3.09	5.02 ± 3.11	5.94 ± 3.75
p	BMI0 x None vs. BMI0 x Both<0.001, d=0.009; BMI1 x None vs. BMI1 x Both<0.001, d=0.034; BMI1 x None vs. BMI1 x Heart<0.001, d=0.034; BMI1 x None vs. BMI1 x Stroke<0.001, d=0.034; BMI1 x Both vs. BMI1 x Heart=0.018, d=0.034; BMI1 x Heart vs. BMI1 x Stroke<0.001, d=0.034; BMI2 x None vs. BMI2 x Both<0.001, d=0.012; BMI2 x None vs. BMI2 x Heart<0.001, d=0.012; BMI2 x Both vs. BMI2 x Heart=0.030, d=0.012; BMI2 x Heart vs. BMI2 x Stroke<0.002, d=0.012; BMI3 x None vs. BMI3 x Both=0.006, d=0.012; BMI3 x None vs. BMI3 x Heart<0.001, d=0.012; BMI3 x Heart vs. BMI3 x Stroke=0.049, d=0.012	BMI1 x None vs. BMI1 x Both<0.001, d=0.086; BMI1 x None vs. BMI1 x Heart<0.005, d=0.086; BMI1 x Both vs. BMI1 x Heart=0.018, d=0.086; BMI1 x Heart<0.001, d=0.086; BMI1 x Heart vs. BMI1 x Stroke=0.003, d=0.086; BMI2 x Both vs. BMI2 x Heart<0.001, d=0.054; BMI2 x Heart vs. BMI2 x Stroke<0.001, d=0.053; BMI2 x Both vs. BMI2 x Heart=0.003, d=0.053; BMI3 x Both vs. BMI3 x Heart=0.044, d=0.032; BMI3 x Both vs. BMI3 x Heart=0.010, d=0.032; BMI3 x Heart vs. BMI3 x Stroke=0.027, d=0.032	BMI0 x None vs. BMI0 x Both<0.001, d=0.016; BMI0 x None vs. BMI0 x Heart=0.017, d=0.016; BMI0 x None vs. BMI0 x Stroke<0.001, d=0.016; BMI1 x None vs. BMI1 x Both<0.001, d=0.053; BMI1 x None vs. BMI1 x Heart<0.001, d=0.053; BMI1 x Both vs. BMI1 x Heart<0.001, d=0.053; BMI1 x Heart vs. BMI1 x Stroke<0.001, d=0.053; BMI2 x Both vs. BMI2 x Heart<0.001, d=0.037; BMI2 x Both vs. BMI2 x Heart=0.049, d=0.037; BMI2 x Both vs. BMI2 x Heart<0.001, d=0.037; BMI2 x Heart vs. BMI2 x Stroke=0.042, d=0.037; BMI3 x Both vs. BMI3 x Heart=0.006, d=0.032; BMI3 x None vs. BMI3 x Heart=0.013, d=0.032; BMI3 x Heart vs. BMI3 x Stroke=0.013, d=0.032	BMI1 x None vs. BMI1 x Both<0.001, d=0.082; BMI1 x None vs. BMI1 x Heart<0.001, d=0.082; BMI1 x Both vs. BMI1 x Heart<0.001, d=0.082; BMI1 x Heart vs. BMI1 x Stroke<0.001, d=0.082; BMI2 x None vs. BMI2 x Both=0.049, d=0.037; BMI2 x Both vs. BMI2 x Heart<0.001, d=0.037; BMI2 x Both vs. BMI2 x Heart=0.042, d=0.037; BMI3 x None vs. BMI3 x Both=0.006, d=0.032; BMI3 x None vs. BMI3 x Heart=0.013, d=0.032; BMI3 x Heart vs. BMI3 x Stroke=0.013, d=0.032
	0.244	0.773	0.093	0.991
<b>History of HIV/AIDS</b>				
No x BMI0	2.69 ± 2.61	3.00 ± 3.16	3.71 ± 3.39	4.00 ± 3.20
No x BMI1	2.93 ± 2.70	3.24 ± 2.85	3.82 ± 3.11	4.80 ± 3.26

No x BMI2	2.79 ± 2.47	2.45 ± 2.87	3.73 ± 3.05	4.18 ± 3.16
No x BMI3	2.34 ± 2.35	1.32 ± 1.66	3.21 ± 2.91	3.05 ± 2.24
Yes x BMI0	3.00 ± 2.63	7.33 ± 0.58	4.30 ± 3.40	10.00 ± 0.00
Yes x BMI1	3.12 ± 2.26	4.58 ± 2.47	5.19 ± 2.90	6.58 ± 2.77
Yes x BMI2	3.29 ± 2.23	4.28 ± 2.48	4.97 ± 2.75	6.59 ± 2.65
Yes x BMI3	2.29 ± 1.90	4.84 ± 3.13	3.71 ± 2.50	7.34 ± 3.13
p		BMI0 x No vs. BMI0 x Yes=0.014, d=0.012; BMI1 x No vs. BMI1 x Yes<0.001, d=0.035; BMI2 x No vs. BMI2 x Yes<0.001, d=0.026; BMI3 x No vs. BMI3 x Yes<0.001, d=0.068	BMI1 x No vs. BMI1 x Yes<0.001, d=0.009; BMI2 x No vs. BMI2 x Yes<0.001, d=0.007	BMI0 x No vs. BMI0 x Yes=0.002, d=0.018; BMI1 x No vs. BMI1 x Yes<0.001, d=0.049; BMI2 x No vs. BMI2 x Yes<0.001, d=0.036; BMI3 x No vs. BMI3 x Yes<0.001, d=0.080
Overall p	0.678	0.005	0.416	0.002
Overall d		0.025	-	0.029
<b>History of psychiatric diseases</b>				
No x BMI0		4.56 ± 3.75	3.78 ± 3.38	6.33 ± 4.09
No x BMI1		4.42 ± 2.84	3.96 ± 3.11	6.41 ± 3.09
No x BMI2		3.55 ± 2.87	3.94 ± 3.03	5.67 ± 3.15
No x BMI3		2.67 ± 2.94	3.27 ± 2.86	4.80 ± 3.38
Yes x BMI0	NA	2.67 ± 1.16	NA	3.00 ± 1.73
Yes x BMI1	NA	1.65 ± 0.79	NA	2.53 ± 0.78
Yes x BMI2	NA	1.60 ± 1.17	NA	2.60 ± 0.97
Yes x BMI3	NA	1.56 ± 1.13	NA	2.33 ± 0.71
p	NA	BMI1 x No vs. BMI1 x Yes<0.001, d=0.101; BMI2 x No vs. BMI2 x Yes=0.027, d=0.010	NA	BMI1 x No vs. BMI1 x Yes<0.001, d=0.155; BMI2 x No vs. BMI2 x Yes=0.002, d=0.020; BMI3 x No vs. BMI3 x Yes=0.016, d=0.011
Overall p	NA	0.357	NA	0.571

**Note:** NA: Not Applicable; CVDS: Cardiovascular Risk Factors (diabetes, dy ‡