

Table 1Comparison of Cross-tabulations with Neural Networks in Male Offspring ($n = 711$)

	Likelihood Ratio	Odds Ratio	OR 95% CI (low, high)	Base Rate	BR 95% CI (low, high)	Neural Network
DM				0.10	0.02, 0.18	
Any famhx	2.43	3.55	2.14, 5.88	---	---	---
Specific hx						
M+, F+	3.04	3.19	0.87, 11.75	0.20	0.00, 0.40	0.44
M+, F-	3.12	4.11	2.24, 7.53	0.24	0.14, 0.35	0.32
M-, F+	2.53	2.9	1.36, 6.18	0.19	0.01, 0.30	0.22
M-, F-	---	---	---	0.07	0.05, 0.10	0.12
HTN				0.37	0.25, 0.50	
Any famhx	1.57	2.61	1.91, 3.57	---	---	---
Specific hx						
M+, F+	3.59	5.16	3.14, 8.49	0.65	0.54, 0.75	0.65
M+, F-	1.77	2.33	1.56, 3.47	0.45	0.37, 0.54	0.46
M-, F+	1.55	1.81	1.16, 2.81	0.39	0.30, 0.48	0.49
M-, F-	---	---	---	0.26	0.22, 0.31	0.34
CAD				0.11	0.02, 0.19	
Any famhx	2.33	3.00	1.76, 5.08	---	---	---
Specific hx						
M+, F+	10.17	10.90	2.65, 44.91	0.50	0.09, 0.91	0.20
M+, F-	4.49	5.19	2.32, 11.63	0.32	0.14, 0.50	0.22
M-, F+	1.67	1.82	0.90, 3.66	0.14	0.06, 0.23	0.28
M-, F-	---	---	---	0.08	0.06, 0.11	0.22

Abbreviations: OR, odds ratio; BR, base rate; CI, confidence interval; DM, diabetes mellitus; HTN, hypertension; CAD, coronary artery disease; M, mother; F, father; +, positive for the disease type; -, negative for the disease type; famhx, family history; hx, history.