

Supplementary Tables

Table S1: Factors associated with awareness of stroke heritability by country

Characteristic	Nigeria Adjusted OR(95% CI)	Ghana Adjusted OR(95% CI)
Age		
< 45 years	1.00	1.00
>= 45 years	0.68 (0.56-0.83)*	1.33 (1.06-1.68)*
Gender		
Male		
Female		
Education		
None	1.00	1.00
Elementary	0.79 (0.63-1.01)	1.25 (0.93-1.69)
Secondary	0.91 (0.71-1.15)	1.32 (0.99-1.77)
Post-secondary	1.32 (1.05-1.66)*	1.68 (1.19-2.38)*
Religion		
Christianity	1.00	1.00
Islam	0.75 (0.64-0.88)*	0.95 (0.69-1.29)
Others	0.98 (0.41-2.32)	0.83 (0.42-1.62)
Marital status		
Married	1	1
Not married	0.76 (0.63-0.93)*	0.88 (0.72-1.08)
Personal medical history		
High BP		
Diabetes mellitus		
Stroke		
Heart disease		
Obesity		
Family history of stroke	1.22 (0.97-1.54)	1.26 (1.02-1.56)*
Lifestyle/behaviour		
Smoking	0.73 (0.51-1.03)	1.01 (0.69-1.45)
Drinking	0.82 (0.66-1.03)	0.78 (0.62-0.97)*

Only variables with p-value<0.1 from crude OR were included to obtain adjusted ORs using logit model

Table S2: Factors related to willingness to undergo stroke genetic testing by country

Characteristic	Nigeria Adjusted OR(95% CI)	Ghana Adjusted OR(95% CI)
Age		
< 45 years	1.00	1.00
>= 45 years	0.84 (0.62-1.13)	1.24 (0.78-1.95)
Gender		
Male		
Female		
Education		
None	1	1.00
Elementary	1.39 (0.99-1.95)	1.02 (0.59-1.78)
Secondary	1.24 (0.89-1.72)	1.28 (0.73-2.24)
Post-secondary	1.51 (1.11-2.07)*	1.17 (0.60-2.29)
Religion		
Christianity	1.00	1.00
Islam	0.99 (0.78-1.24)	0.86 (0.49-1.54)
Others	0.66 (0.22-1.99)	0.73 (0.21-2.48)
Marital status		
Married		
Not married		
Personal medical history		
High BP	0.82 (0.66-1.03)	0.87 (0.58-1.28)
Diabetes mellitus		
Stroke		
Heart disease		
Obesity	0.93 (0.45-1.91)	2.39 (0.74-7.73)
Family history of stroke	1.43 (0.99-2.05)	0.88 (0.58-1.33)
Lifestyle/behaviour		
Smoking		
Drinking	1.12 (0.81-1.54)	1.19 (0.77-1.86)

Only variables with p-value<0.1 from crude OR were included to obtain adjusted ORs using logit model

Table S3: Factors associated with belief that genetic research will enhance better understanding of stroke : Analysis by country

	Nigeria	Ghana
Characteristic	Adjusted OR(95% CI)	Adjusted OR(95% CI)
Age		
< 45 years	1.00	1.00
>= 45 years	0.66 (0.48-0.92)*	1.08 (0.65-1.79)
Gender		
Male		
Female		
Education		
None	1.00	1.00
Elementary	1.36 (0.97-1.91)	1.40 (0.81-2.44)
Secondary	1.27 (0.91-1.77)	1.76 (1.00-3.07)*
Post-secondary	1.48 (1.08-2.03)*	1.64 (0.82-3.28)
Religion		
Christianity	1.00	1.00
Islam	0.87 (0.69-1.09)	1.00 (0.54-1.86)
Others	0.83 (0.24-2.86)	0.49 (0.16-1.47)
Marital status		
Married		
Not married		
Personal medical history		
High BP	0.90 (0.71-1.14)	0.83 (0.55-1.25)
Diabetes mellitus		
Stroke		
Heart disease		
Obesity	0.97 (0.45-2.06)	3.13 (0.75-12.99)
Family history of stroke	1.48 (1.01-2.16)*	0.93 (0.59-2.21)
Lifestyle/behaviour		
Smoking		
Drinking	1.19 (0.85-1.66)	1.36 (0.84-2.21)

Only variables with p-value<0.1 from crude OR were included to obtain adjusted ORs using logit model