Supplementary Table 1. Input and output variables from each of the 10-year cardiovascular disease prediction equations used in this manuscript.

Output from calculator:	**Framingham (lab)** general risk of fatal or non-fatal CVD over 10 years (coronary death, myocardial infarction, coronary insufficiency, angina, ischemic stroke, hemorrhagic stroke, transient ischemic attack, peripheral artery disease, heart failure)	**Framingham (office)**	**Globorisk (lab)** 10-year risk of fatal and non-fatal CVD. Fatal: death from ischemic heart disease or sudden cardiac death (ICD10 codes I20–I25) or death from stroke (ICD10 codes I60–I69). non-fatal:(ICD10 codes I21–I22) or stroke (I60-I69)	**Globorisk (office)**	**WHO-CVD (lab)** 10-year risk of fatal or non-fatal CV event.	**WHO-CVD (office)**
Input Variable						
Sex	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
Age	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
Currently smoking	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
Systolic blood pressure	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**
Body Mass Index (BMI)		**Y**		**Y**		**Y**
Total Cholesterol	**Y**		**Y**		**Y**	
HDL cholesterol	**Y**					
Diabetes Mellitus	**Y**	**Y**			**Y**	**Y**
Treatment for blood pressure	**Y**	**Y**				

Supplementary Table 2. Order of total population risk as calculated by each risk factor equation, by site

Order of risk	Framingham (office)	Framingham (lab)	Globorisk (office)	Globorisk (lab)	WHO-CVD (office)	WHO-CVD (lab)
1	Soweto	Soweto	Soweto	Navrongo	Soweto*	Soweto**
2	Agincourt	Agincourt	Agincourt	Soweto	Agincourt*	Agincourt**
3	Dikgale	Dikgale	Navrongo	Agincourt	Dikgale	Dikgale
4	Navrongo	Nairobi	Dikgale	Dikgale	Navrongo	Navrongo
5	Nairobi	Navrongo	Nanoro	Nanoro	Nairobi	Nairobi
6	Nanoro	Nanoro	Nairobi	Nairobi	Nanoro	Nanoro

*/** equal risk