dens + temp + rain Climate model Ancestry model Full model ₽0 മ മ് $R^2 = 0.21$ $R^2 = 0.50$ $R^2 = 0.35$ Model estimated Model estimated Model estimated Ngoye Thies Ngoye Ngoye CapeVerde PK10 Mind Kintampo Thies Thies Ganda Kedougo Kintampo Mindin Bantata Ganda Ouaga Kwale CapeVerd Ganda Franceville_Entebbe Ouahi Ouahi **Virembe** Entebbe 20 10 20 10 20 10 0 Seroprevalence Seroprevalence Seroprevalence temp + aaa Climate model Ancestry model Full model $_{0}^{A}$ മ് Model estimated R₀ $R^2 = 0.32$ $R^2 = 0.35$ $R^2 = 0.13$ Model estimated Model estimated Ngoye Mindin Thies CapeVerde Thies Ouaga Thies KayaBomukumasi CapeVerde Libreville Awka • Libreville Awka Libreville Awka • Franceville varem8e Kakamega √nrembe Kakamega 20 20 20 30 Ó 10 30 30 Seroprevalence Seroprevalence Seroprevalence geog Climate model Full model Ancestry model മ് Model estimated R₀ Model estimated R₀ $R^2 = 0.06$ $R^2 = 0.01$ $R^2 = 0.02$ Model estimated Ngoye Ngoye Ngoye Thies 2 Thies Mindin KayaBomu _{Kumasi} Thies Libreville • Kumasi Kumasi Libreville Ó 20 40 60 80 Ó 20 40 60 20 40 60 80 80 0 Seroprevalence Seroprevalence Seroprevalence