Modeling of COVID-19 (Ghana) **Total cases (Data) AstraZeneca** 10⁰ **Active cases (Data) Healed (Data)** Sputnik V **Extinct (Data)** Johnson & Johnson **Total cases (Model)** Moderna Active cases (Model) **Pfizer-BioNTech Healed (Model) 10**⁻² Fractions of Population

The state of Populati **Extinct (Model) Fully vaccinated (Data)** Fully vaccinated (Model) 10^{-6} **10**⁻⁸ Basic Reproduction Number (R_0) **Total uncertainty** 8 Reference line for $R_0 = 1$ 6 Ro 2 0 300 400 100 200 600 700 **500** Time (days)