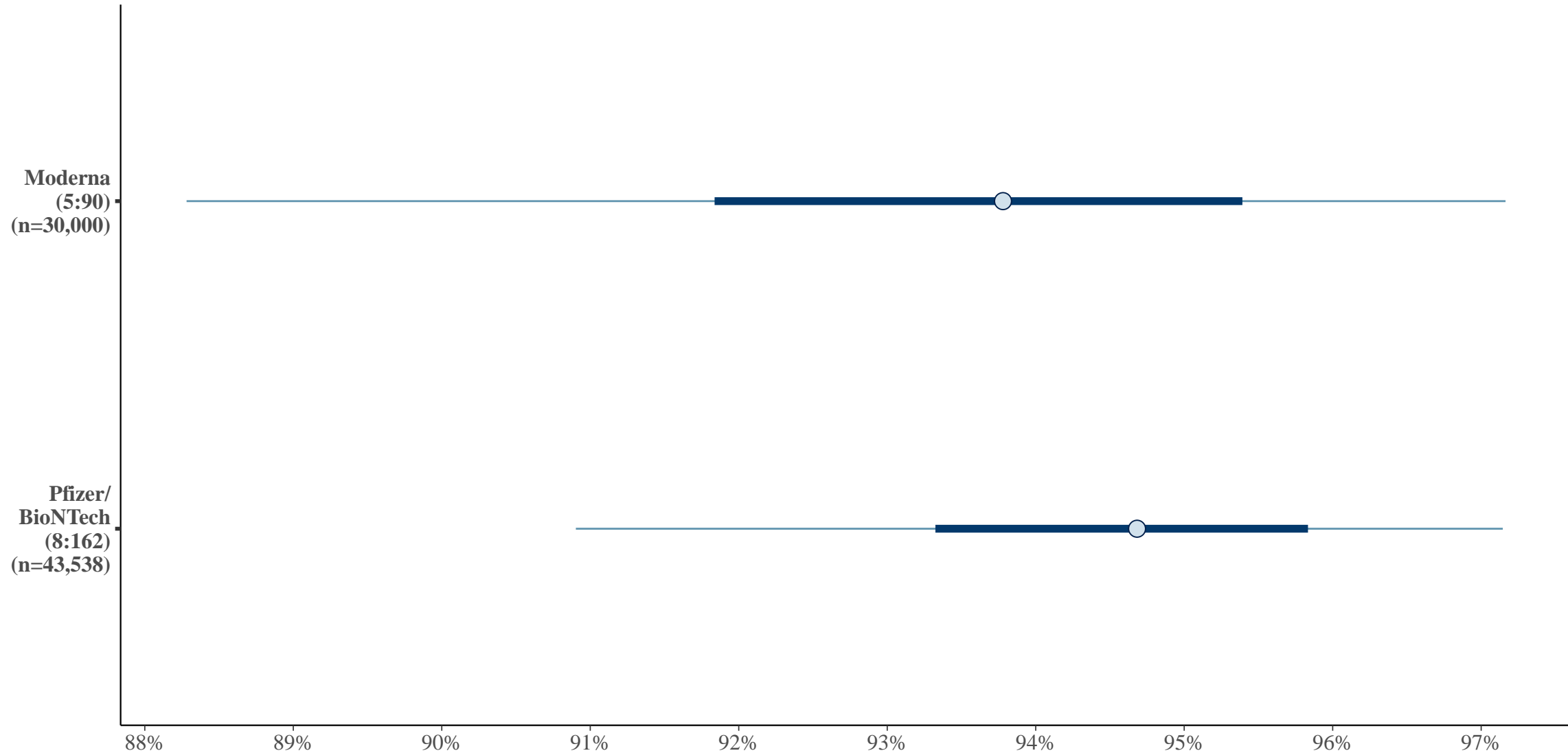


# COVID-19 Vaccine Efficacy Rates Estimation for Moderna & Pfizer/BioNTech (Posterior Intervals)

Dark blue lines show 50% credible intervals

Light blue lines show 90% credible intervals

Points show median values



Based on a Bayesian model using an uninformative uniform prior of rate & a binomial likelihood for the data.

Model fit with Stan using Hamiltonian MCMC.

Equal split of subject number (n) between vaccine & placebo groups assumed.

Data sources: <https://bit.ly/3pFiAhV> <https://bit.ly/2HdGXSD> <https://bit.ly/3nAsyzs>

Code: <https://bit.ly/32WDn6N>

Created by: Andrew Kostandy