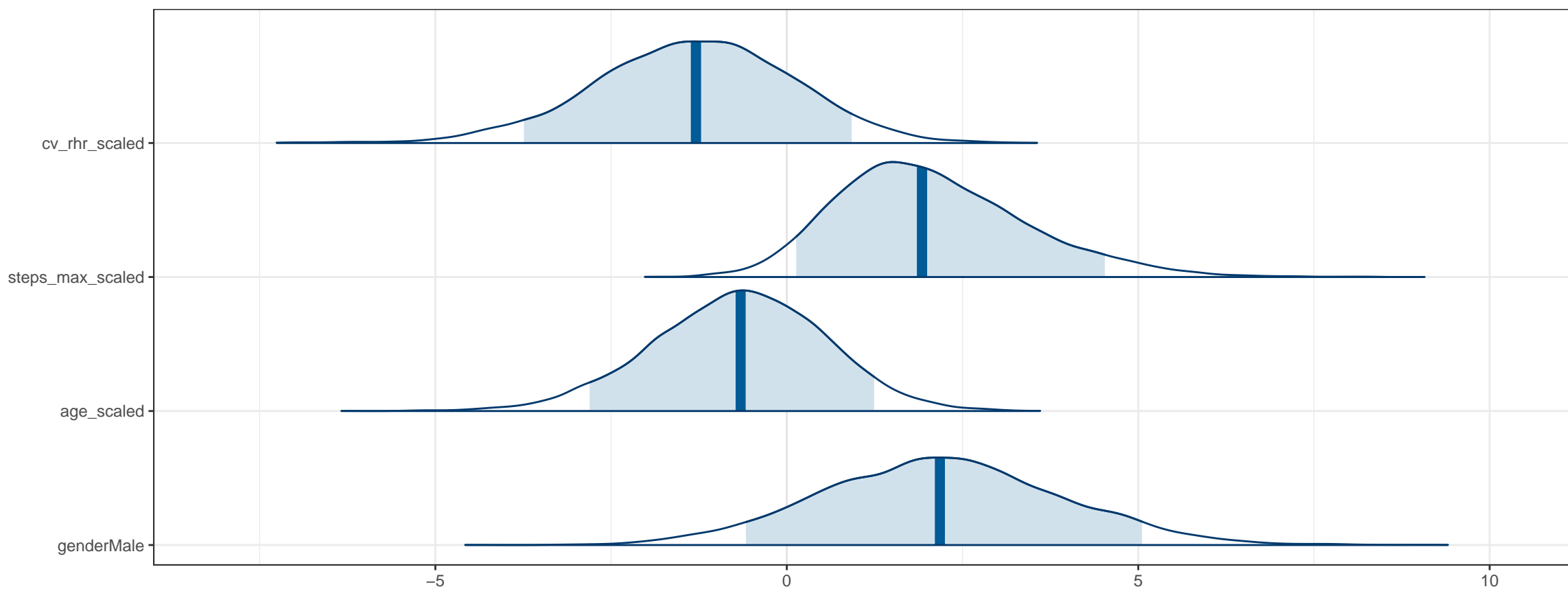


**Posterior Distributions with 90% Credible Intervals  
Combined Model**



**MCMC Trace Plots  
Combined Model**

