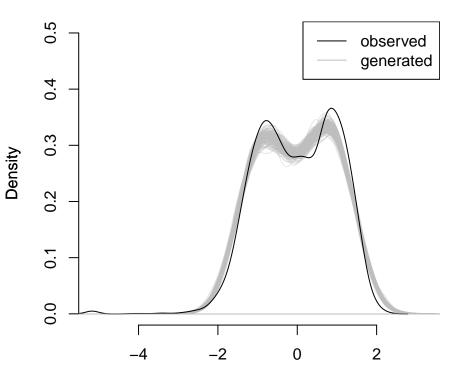
posterior predictive check



log absolute error per 10k pop.