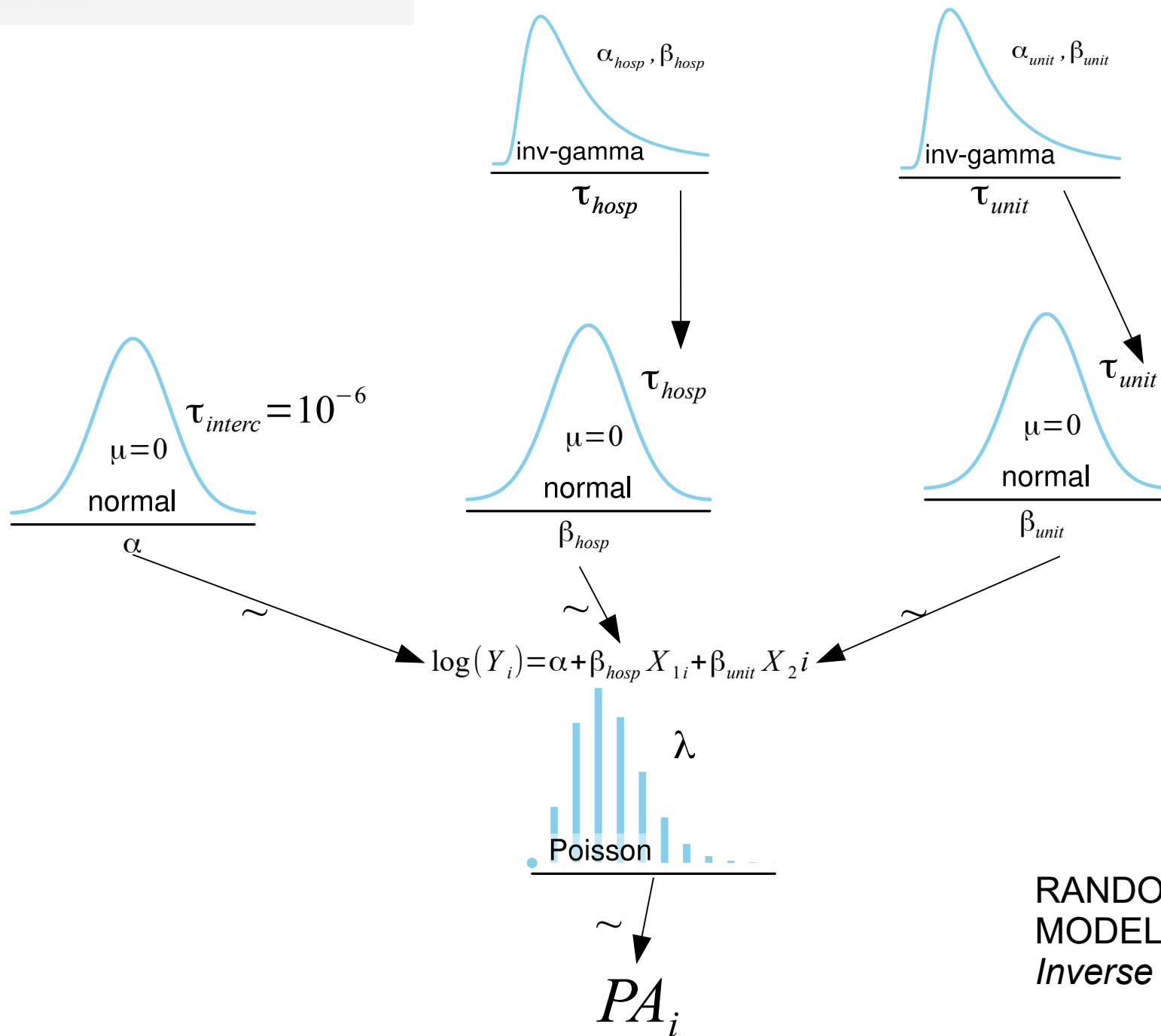


```

template_model_gamma <- template.jags(
  formula = pa ~ (1 | unit) + (1 | hosp),
  data = RN4CAST_complete, #specify data source
  file = "JAGSmodel_gamma.txt", #specify output file name for the template
  family = "poisson", #specify Poisson model
  write.data = FALSE, #specify whether you want to write all observations to the template
  n.chains = 5 # choose 5 chains
)

```

$y_i \sim \text{Poisson}(\lambda)$
 $\mu \sim \text{Normal}(0, \tau)$
 $\tau \sim \text{Inverse Gamma}(0.001, 0.001)$



RANDOM INTERCEPT
 MODEL
Inverse Gamma prior