```
{r, message=FALSE, warning=FALSE}
model_unif_cov <- template.jags(</pre>
                                                                                                                                          y_i \sim Poisson(\lambda)
  formula = pa ~ (1 | unit) + (1 | hosp) + #INTERCEPTS
                 expe + full + #level 1
                                                                                                                                          \mu \sim Normal(0, \tau)
                 unitsur + we + #level 2
                 tech + teach + beds, #level 3
                                                                                                                                          \tau \sim \text{Uniform}(0.001, 100)
  data = RN4CAST_complete,
  file = "JAGSmodel_unif_cov.txt",
  precision.prior = "dunif(0.001, 100)",
  family = "poisson",
                                                                                                                              	au_{unit}
                                                                               	au_{hosp}
                                                                                                                     0.001
  write.data = FALSE,
                                                                                                                                          100
                                                                     0.001
                                                                                            100
  n.chains = 5
                                                                              uniform
                                                                                                                            uniform
                                                                                                                          \tau_{\mathit{unit}}
                                                                                     	au_{\mathit{hosp}}
                                                                                                                                                            \tau_{covariates} = 10^{-}
                                \tau_{interc} = 10^{-6}
                                                                                                                 \mu = 0
                                                                            \mu = 0
                                                                                                                                                    \mu = 0
                        \mu = 0
                                                                                                               normal
                                                                          normal
                                                                                                                                                  normal
                      normal
                                                                                                                  \beta_{unit}
                                                                                                                                                           \beta_{Covariates}
                                                                           \beta_{hosp}
```

 $\alpha + \beta_{hosp} X_{1i} + \beta_{unit} X_{2i} + \sum_{covariates} \beta_i X_i$

Poisson

ALL COVARIATES POISSON MODEL Uniform prior