Level 1:

$$y_{i[t]} \sim N(\alpha_i + \beta_i Months_{i[t]}, \sigma_{\epsilon}^2), \text{ for } i = 1, \dots, n; \quad t = 1, \dots, 4$$

Level2:

$$\begin{pmatrix} \alpha_i \\ \beta_i \end{pmatrix} \sim \mathcal{N} \Biggl(\begin{pmatrix} \mu_{\alpha} \\ \mu_{\beta} \end{pmatrix}, \Omega \Biggr),$$

where

$$\begin{split} \mu_{\alpha} &= \gamma_{00} + \gamma_{01} \mathrm{Age}_i + \gamma_{02} \mathrm{Age}_i^2 + \gamma_{03} \mathrm{survivor}_i + \\ & \gamma_{04} \mathrm{survivor}_i \cdot \mathrm{Age}_i + \gamma_{05} \mathrm{survivor}_i \cdot \mathrm{Age}_i^2 \\ \mu_{\beta} &= \gamma_{10} + \gamma_{11} \mathrm{survivor}_i + \gamma_{12} \mathrm{age4Q}_i + \gamma_{13} \mathrm{survivor} \cdot \mathrm{age4Q}_i \\ \Omega &= \begin{pmatrix} \sigma_{\alpha}^2 & \rho \sigma_{\alpha} \sigma_{\beta} \\ \rho \sigma_{\alpha} \sigma_{\beta} & \sigma_{\beta}^2 \end{pmatrix} \end{split}$$