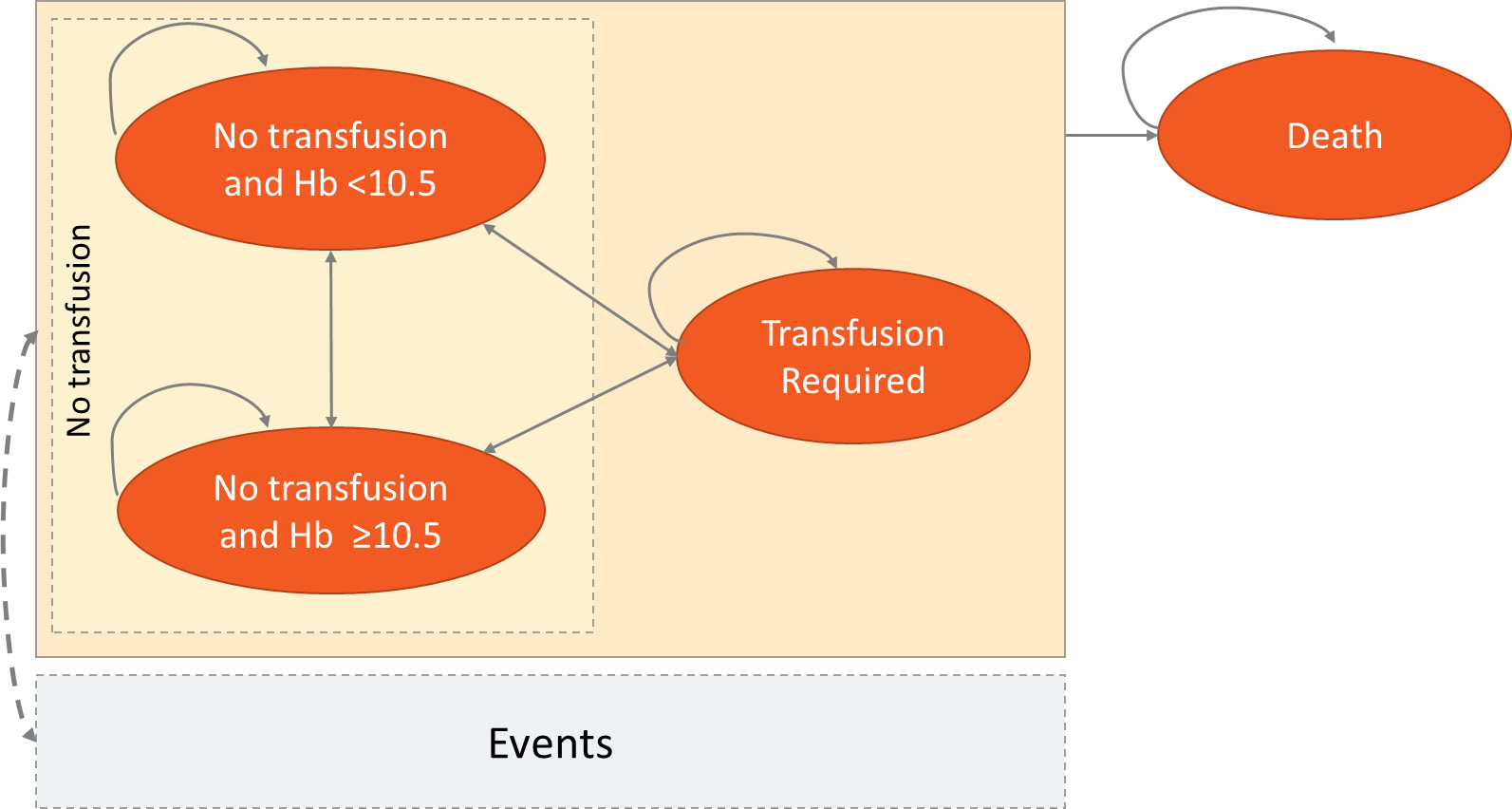
**Supplementary Figure 1.** Markov model diagram.



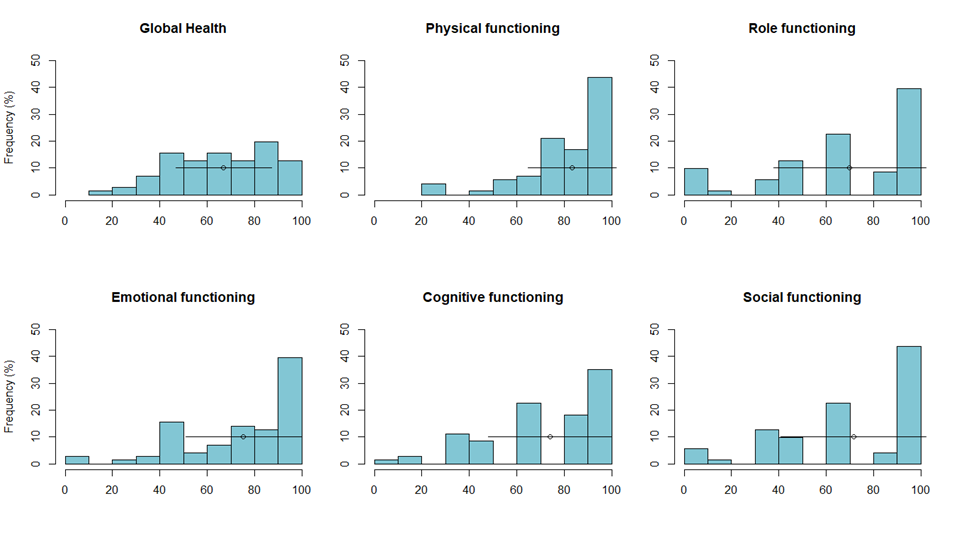
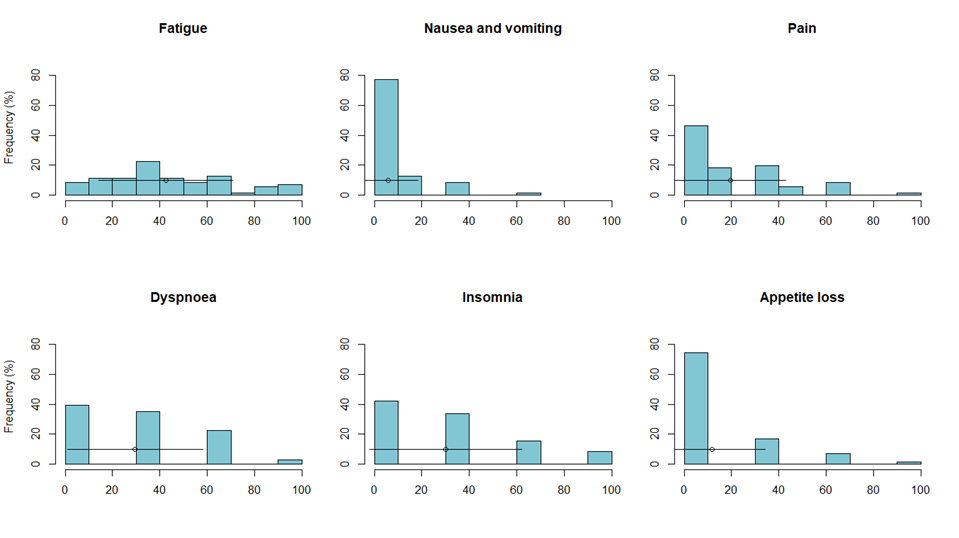
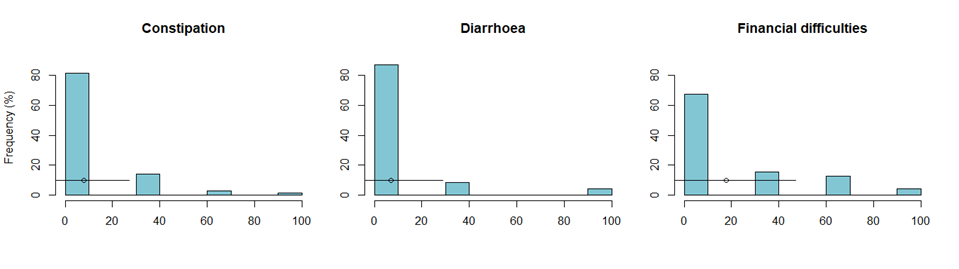
**Transfusion avoidant (Hb <10.5 g/dL)**

**Transfusion avoidant (Hb ≥10.5 g/dL)**

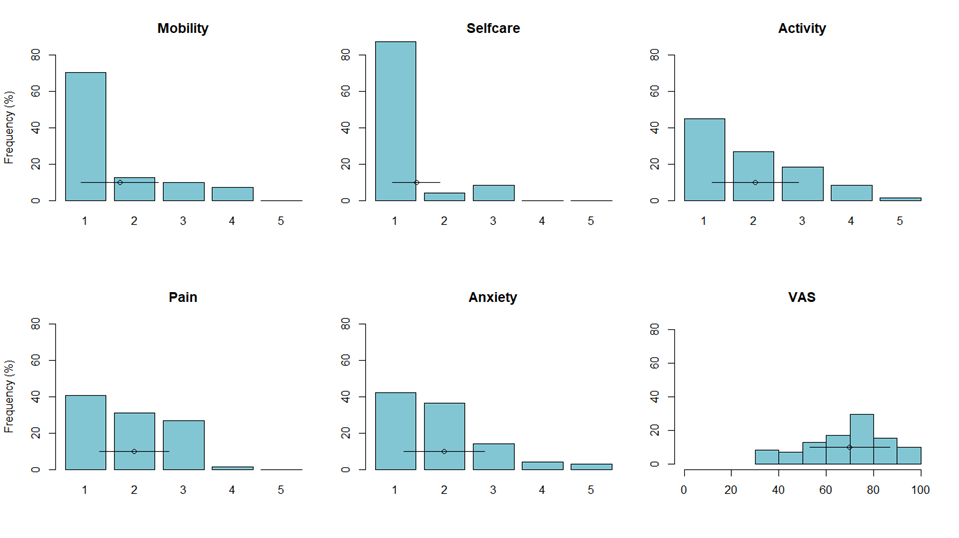
**Dead**

**Transfusion dependent (Hb <10.5 g/dL)**

Hb, (serum) haemoglobin.

**Supplementary Figure 2.** Histogram of EORTC QLQ-C30 subscale scores. 

**Supplementary Figure 3.** Histogram of EQ-5D-5L domain scores.



VAS, visual analogue scale.

**Supplementary Figure 4.** Model performance.

1. **Ordinary least squares model**

Chart, scatter chart

Description automatically generated

**B) Adjusted limited dependent variable mixture model**

Chart, scatter chart

Description automatically generated

EQ5D utility ~ DI\*DY+DY\*FA+DY\*RF+FA\*FI+FI\*SF+NV\*PA+PA\*PF+PA\*SF+PA\*SL+sex\*SL

**C) Beta inflated models**

Chart, scatter chart

Description automatically generated

AIC, Akaike information criterion; AP, appetite loss; BIC, Bayesian information criterion; CF, cognitive functioning; CO, constipation; DI, diarrhoea; DY, dyspnoea; EF, emotional functioning; FA, fatigue; FI, financial difficulties; NV, nausea and vomiting; PA, pain; PF, physical functioning; QL, global quality of life; RF, role functioning; RMSE, root-mean-square error; SF, social functioning; SL, insomnia.

**Supplementary Figure 5.** Estimated utilities by visit and treatment.

