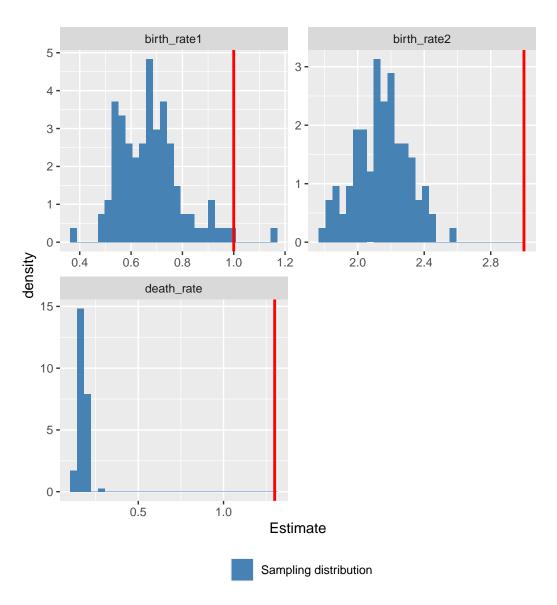
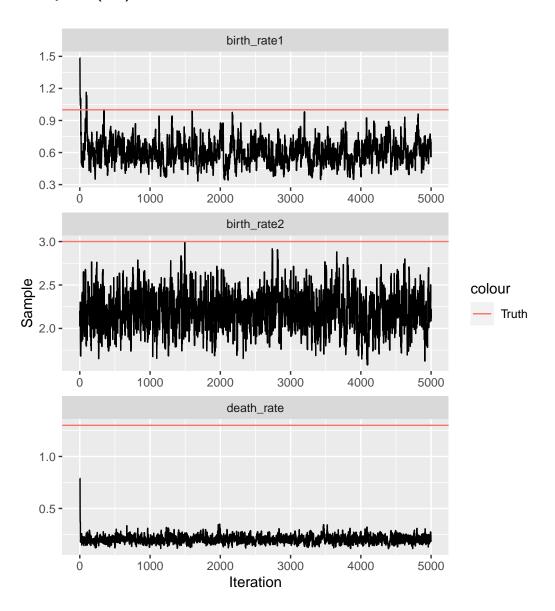
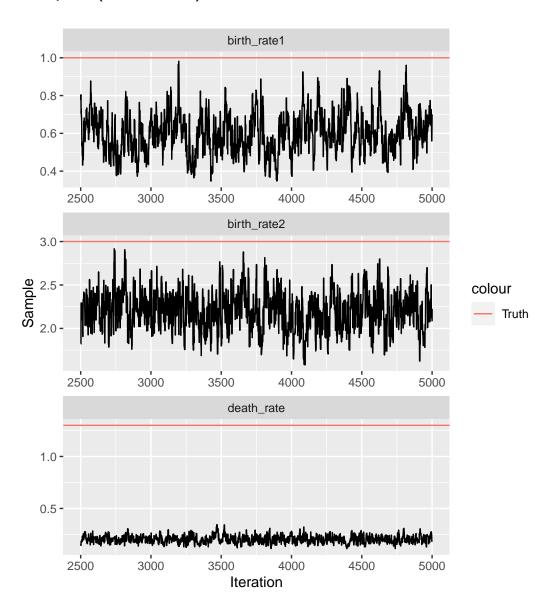
### Posterior median sampling distributions



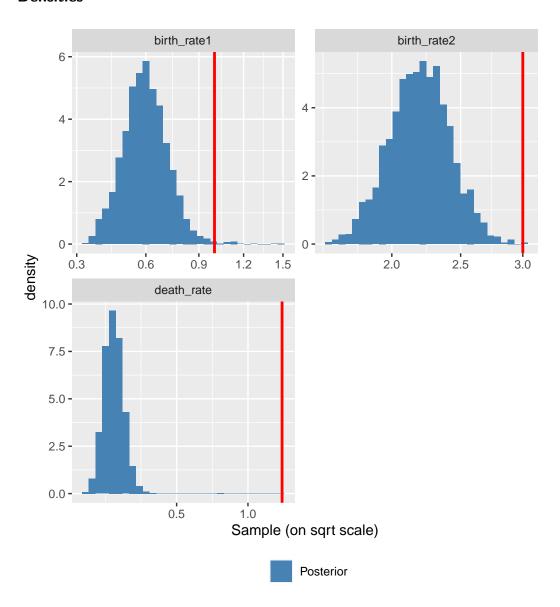
# Traceplots (full)



## Traceplots (after burn-in)



# Densities



#### **Summaries**

| Parameter      | n    | ESS | Acceptance | Q 25% | Median | Q 75% | Truth | Relative error |
|----------------|------|-----|------------|-------|--------|-------|-------|----------------|
| birth_rate1    | 5001 | 264 | 0.85       | 0.40  | 0.6    | 0.85  | 1.0   | 0.40           |
| $birth\_rate2$ | 5001 | 622 | 0.70       | 1.78  | 2.2    | 2.64  | 3.0   | 0.27           |
| $death\_rate$  | 5001 | 720 | 0.69       | 0.14  | 0.2    | 0.28  | 1.3   | 0.85           |