**Model fit characteristics for review question: What is the effectiveness of uterotonics for the prevention of postpartum haemorrhage?**

Model selection was based on the posterior mean residual deviance (a measure of model fit),and the Deviance Information Criteria (DIC), where smaller values are preferred and differences of between 3-5 are considered meaningful. The chosen model for each analysis is noted in the first column of each of the tables below, and results from the selected model are reported in the main text of this evidence review. For the selected model, results from an inconsistency model are reported. Comparing the NMA and inconsistency models provides a global test of inconsistency and, where inconsistency was identified it was explored further in Appendix N.

**Model fit characteristics for PPH ≥ 1000ml: whole population**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.22 (0.03, 0.41) | 247.2 | 1073.0 |
| Random effects - inconsistency | 0.22 (0.04, 0.44) | 239.0 | 1077.8 |
| Fixed effects – consistency | - | 270.0 | 1078.7 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 212 data points*

**Model fit characteristics for PPH ≥ 1000ml: vaginal birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.20 (0.02, 0.45) | 190.5 | 795.1 |
| Random effects - inconsistency | 0.21 (0.02, 0.47) | 178.9 | 791.9 |
| Fixed effects – consistency | - | 205.9 | 798.4 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 157 data points*

**Model fit characteristics for PPH ≥ 1000ml: caesarean birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected | 0.34 (0.03, 0.81) | 56.3 | 276.9 |

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| – all results reported in this guideline are based on this model) | | | |
| Random effects - inconsistency | 0.26 (0.01, 0.79) | 55.4 | 277.3 |
| Fixed effects – consistency | - | 61.6 | 276.6 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 53 data points*

**Model fit characteristics for additional uterotonics: whole population**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.83 (0.71, 0.98) | 366.5 | 2035.7 |
| Random effects - inconsistency | 0.91 (0.76, 1.08) | 360.4 | 2039.6 |
| Fixed effects – consistency | - | 1162.0 | 2715.7 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 345 data points*

**Model fit characteristics for additional uterotonics: vaginal birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.73 (0.58, 0.90) | 254.0 | 1414.4 |
| Random effects - inconsistency | 0.74 (0.57, 0.94) | 249.3 | 1415.3 |
| Fixed effects – consistency | - | 682.1 | 1768.3 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 236 data points*

**Model fit characteristics for additional uterotonics: caesarean birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 1.03 (0.76, 1.39) | 111.5 | 617.9 |
| Random effects - inconsistency | 1.20 (0.85, 1.68) | 110.8 | 620.6 |

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Fixed effects – consistency | - | 315.7 | 788.3 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 107 data points*

**Model fit characteristics for blood transfusion: whole population**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.74 (0.51, 1.02) | 270.1 | 1074.6 |
| Random effects - inconsistency | 0.75 (0.45, 1.11) | 268.1 | 1082.0 |
| Fixed effects – consistency | - | 381.5 | 1142.9 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 242 data points*

**Model fit characteristics for blood transfusion: vaginal birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.53 (0.25, 0.84) | 200.4 | 782.7 |
| Random effects - inconsistency | 0.54 (0.21, 0.93) | 196.5 | 789.7 |
| Fixed effects – consistency | - | 243.9 | 803.0 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 175 data points*

**Model fit characteristics for blood transfusion: caesarean birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 1.11 (0.45, 1.99) | 67.95 | 283.9 |
| Random effects - inconsistency | 1.50 (0.48, 3.09) | 67.59 | 286.8 |
| Fixed effects – consistency | - | 94.73 | 299.0 |

*CrI: credible interval; DIC: deviance information criterion*

*(a) Compare 65 data points*

**Model fit characteristics for ICU admission: whole population**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Fixed effects - consistency (selected – all results reported in this guideline are based on this model) | - | 17.2 | 72.9 |
| Fixed effects - inconsistency | - | 14.8 | 70.6 |
| Random effects – consistency | 1.87 (0.06, 4.75) | 16.3 | 73.4 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 18 data points*

**Model fit characteristics for ICU admission: vaginal birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Fixed effects - consistency (selected – all results reported in this guideline are based on this model) | - | 16.0 | 68.7 |
| Fixed effects - inconsistency | - | 13.5 | 66.4 |
| Random effects – consistency | 1.83 (0.06, 4.72) | 15.0 | 69.0 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 16 data points*

**Model fit characteristics for mean blood loss: whole population**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.24 (0.23, 0.27) | 336.1 | 2883.0 |
| Random effects - inconsistency | 0.23 (0.20, 0.26) | 334.2 | 2884.0 |
| Fixed effects – consistency | - | 5125.0 | 7526.2 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 332 data points*

**Model fit characteristics for mean blood loss: vaginal birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.25 (0.21, 0.29) | 239.6 | 1936.4 |
| Random effects - inconsistency | 0.24 (0.20, 0.28) | 238.1 | 1937.6 |
| Fixed effects – consistency | - | 2961.0 | 4553.8 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 235 data points*

**Model fit characteristics for mean blood loss: caesarean birth subgroup**

| Model | Between-study standard deviation (95% CrI) | Residual deviance[a] | DIC |
|---|---|---|---|
| Random effects - consistency (selected – all results reported in this guideline are based on this model) | 0.21 (0.16, 0.27) | 93.9 | 926.5 |
| Random effects - inconsistency | 0.19 (0.14, 0.25) | 94.4 | 927.3 |
| Fixed effects – consistency | - | 1706.0 | 2506.8 |

*CrI: credible interval; DIC: deviance information criterion*
*(a) Compare 95 data points*