**Supplement Table.** GRADE evidence profile summarizing the effects of probiotics vs. placebo or no intervention for preventing nosocomial diarrhea in children.

| **Quality assessment** | | | | | | | **№ of patients** | | **Effect** | | **Quality** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№ of studies** | **Study design** | **Risk of bias** | **Inconsistency** | **Indirectness** | **Imprecision** | **Other considerations** | **[intervention]** | **[comparison]** | **Relative (95% CI)** | **Absolute (95% CI)** |
| Nosocomial diarrhea | | | | | | | | | | | |
| 7 | randomised trials | not serious | serious 1 | not serious | not serious | none | 72/1029 (7.0%) | 101/1005 (10.0%) | **RR 0.72** (0.40 to 1.28) | **28 fewer per 1 000** (from 28 more to 60 fewer) | ⨁⨁⨁◯ MODERATE |
| Nosocomial diarrhea - L rhamnosus GG (LGG) | | | | | | | | | | | |
| 2 | randomised trials | not serious | not serious | not serious | not serious | none | 22/421 (5.2%) | 56/402 (13.9%) | **RR 0.35** (0.19 to 0.65) | **91 fewer per 1 000** (from 49 fewer to 113 fewer) | ⨁⨁⨁⨁ HIGH |
| Nosocomial diarrhea - L reuteri DSM 17938 | | | | | | | | | | | |
| 2 | randomised trials | not serious | not serious | not serious | not serious | none | 25/145 (17.2%) | 22/145 (15.2%) | **RR 1.11** (0.68 to 1.81) | **17 more per 1 000** (from 49 fewer to 123 more) | ⨁⨁⨁⨁ HIGH |
| Nosocomial diarrhea - B animalis subsp lactis BB-12 | | | | | | | | | | | |
| 1 | randomised trials | not serious | not serious | not serious | serious 2 | none | 13/362 (3.6%) | 9/365 (2.5%) | **RR 1.46** (0.63 to 3.36) | **11 more per 1 000** (from 9 fewer to 58 more) | ⨁⨁⨁◯ MODERATE |
| Nosocomial diarrhea - B bifidum & Str thermophilus | | | | | | | | | | | |
| 1 | randomised trials | not serious | not serious | not serious | not serious | none | 2/29 (6.9%) | 8/26 (30.8%) | **RR 0.22** (0.05 to 0.96) | **240 fewer per 1 000** (from 12 fewer to 292 fewer) | ⨁⨁⨁⨁ HIGH |
| Nosocomial diarrhea - L delbrueckii H2B20 | | | | | | | | | | | |
| 1 | randomised trials | not serious | not serious | not serious | serious 2 | none | 10/72 (13.9%) | 6/67 (9.0%) | **RR 1.55** (0.60 to 4.03) | **49 more per 1 000** (from 36 fewer to 271 more) | ⨁⨁⨁◯ MODERATE |
| Rotavirus diarrhea | | | | | | | | | | | |
| 7 | randomised trials | serious 3 | not serious | not serious | not serious | none | 30/1071 (2.8%) | 46/1044 (4.4%) | **RR 0.65** (0.42 to 1.01) | **15 fewer per 1 000** (from 0 fewer to 26 fewer) | ⨁⨁⨁◯ MODERATE |
| Rotavirus diarrhea - L rhamnosus GG (LGG) | | | | | | | | | | | |
| 3 | randomised trials | serious 3 | not serious | not serious | not serious | none | 16/535 (3.0%) | 30/508 (5.9%) | **RR 0.43** (0.17 to 1.13) | **34 fewer per 1 000** (from 8 more to 49 fewer) | ⨁⨁⨁◯ MODERATE |
| Rotavirus diarrhea - L reuteri DSM 17938 | | | | | | | | | | | |
| 2 | randomised trials | not serious | not serious | not serious | not serious | none | 11/145 (7.6%) | 9/145 (6.2%) | **RR 1.14** (0.52 to 2.52) | **9 more per 1 000** (from 30 fewer to 94 more) | ⨁⨁⨁⨁ HIGH |
| Rotavirus diarrhea - B animalis subsp lactis BB-12 | | | | | | | | | | | |
| 1 | randomised trials | not serious | not serious | not serious | not serious | none | 1/362 (0.3%) | 2/365 (0.5%) | **RR 0.50** (0.05 to 5.54) | **3 fewer per 1 000** (from 5 fewer to 25 more) | ⨁⨁⨁⨁ HIGH |
| Rotavirus diarrhea - B bifidum & Str thermophilus | | | | | | | | | | | |
| 1 | randomised trials | not serious | not serious | not serious | not serious | none | 2/29 (6.9%) | 5/26 (19.2%) | **RR 0.36** (0.08 to 1.69) | **123 fewer per 1 000** (from 133 more to 177 fewer) | ⨁⨁⨁⨁ HIGH |
| Rotavirus asymptomatic | | | | | | | | | | | |
| 3 | randomised trials | serious 3 | serious 1 | not serious | not serious | none | 25/188 (13.3%) | 24/168 (14.3%) | **RR 0.87** (0.32 to 2.37) | **19 fewer per 1 000** (from 97 fewer to 196 more) | ⨁⨁◯◯ LOW |

**CI:** Confidence interval; **RR:** Risk ratio

1. large I2
2. 95% CI overlaps no effect
3. In one trial High risk of bias in random sequence generation, incomplete outcome data and selective reporting.