**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.