**Supplementary Table 7. Quality of Evidence of Primary Outcomes**

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| **FS compared to Non FS for adults over 18 years old without CRC** |
| **Patient or population:** patients with adults over 18 years old without CRC**Settings:** Randomized trials and observational study**Intervention:** FS**Comparison:** Non FS |
| **Outcomes** | **Illustrative comparative risks\* (95% CI)** | **Relative effect****(95% CI)** | **No of Participants****(studies)** | **Quality of the evidence****(GRADE)** | **Comments** |
| Assumed risk | Corresponding risk |
|  | **Non FS** | **FS** |  |  |  |  |
| **Incidence in RCT study**Follow-up: median 16.55 years | **Study population** | **RR 0.74** (0.66 to 0.84) | 563978(6 studies) | ⊕⊕⊕⊕**high** |  |
| **21 per 1,000** | **16 per 1,000**(14 to 18) |
| **Moderate** |
| **25 per 1,000** | **19 per 1,000**(17 to 21) |
| **Incidence in Cohort study**Follow-up: median 11 years | **Study population** | **RR 3.57** (2.39 to 5.32) | 138297(1 study) | ⊕⊕⊕⊝**moderate**1 |  |
| **1 per 1,000** | **2 per 1,000**(2 to 3) |
| **Moderate** |
| **1 per 1,000** | **4 per 1,000**(2 to 5) |
| **Mortality in RCT study**Follow-up: median 18.26 years | **Study population** | **RR 0.7** (0.58 to 0.85) | 424687(5 studies) | ⊕⊕⊕⊕**high** |  |
| **8 per 1,000** | **5 per 1,000**(5 to 7) |
| **Moderate** |
| **9 per 1000** | **6 per 1000**(5 to 8) |
| \*The basis for the **assumed risk** (e.g. the median control group risk across studies) is provided in footnotes. The **corresponding risk** (and its 95% confidence interval) is based on the assumed risk in the comparison group and the **relative effect** of the intervention (and its 95% CI).**CI:** Confidence interval; **RR:** Risk ratio;  |
| GRADE Working Group grades of evidence**High quality:** Further research is very unlikely to change our confidence in the estimate of effect. **Moderate quality:** Further research is likely to have an important impact on our confidence in the estimate of effect and may change the estimate.**Low quality:** Further research is very likely to have an important impact on our confidence in the estimate of effect and is likely to change the estimate.**Very low quality:** We are very uncertain about the estimate. |
| 1 Effect size RR > 2 |