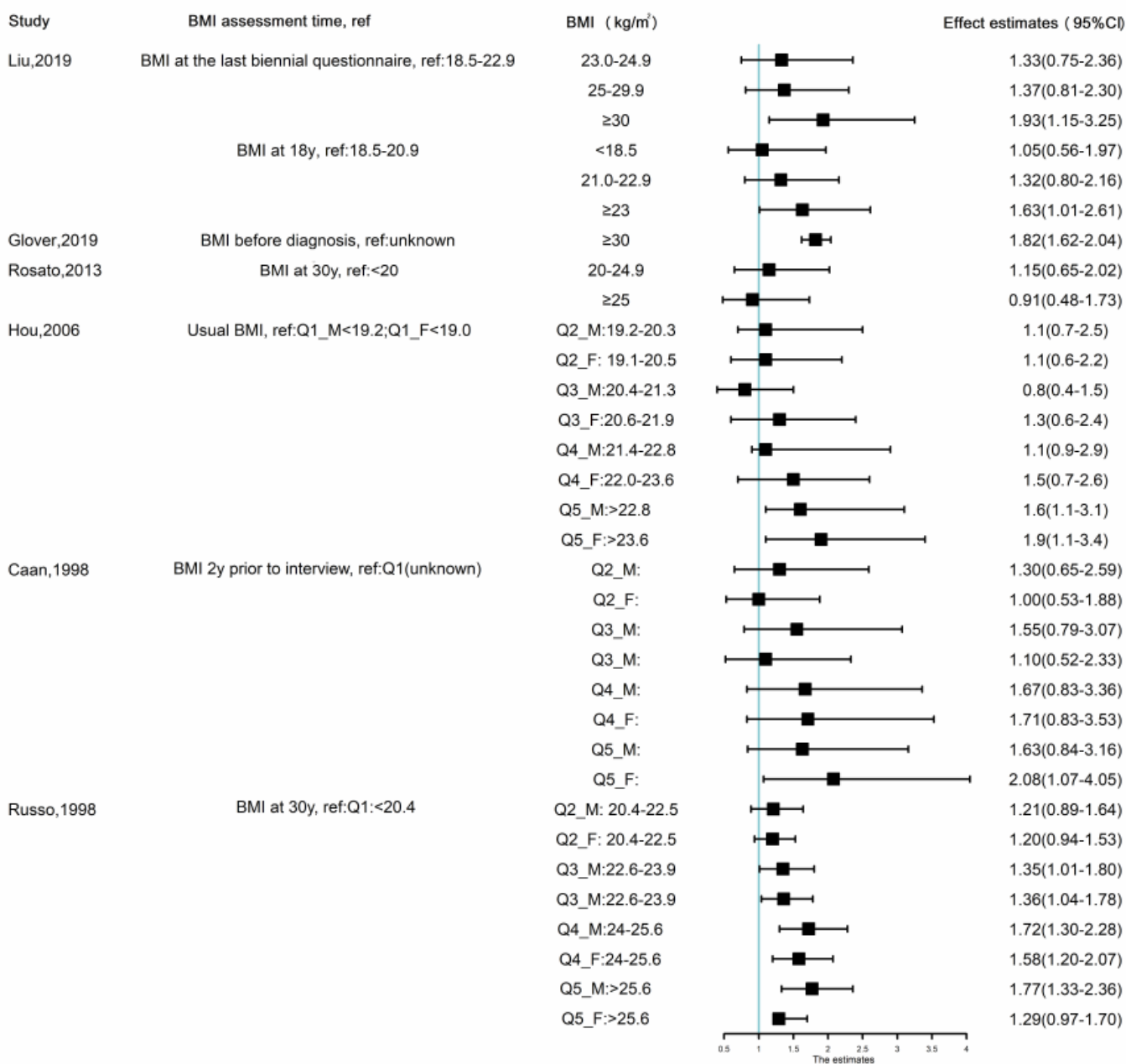
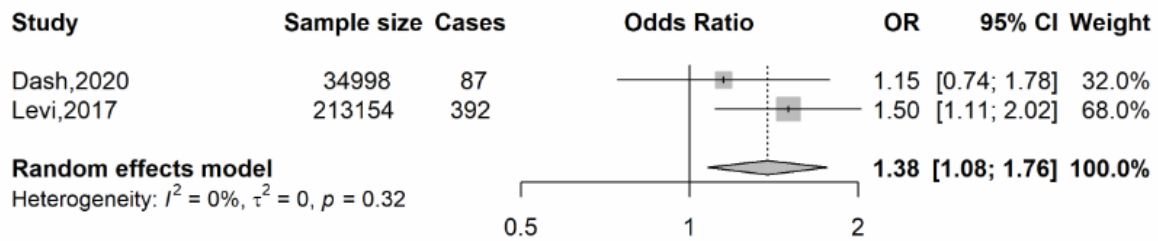


Supplementary Figure 1. Synthesis of results of studies that could not be included in meta-analysis.



Abbreviations: BMI: body mass index; ref: reference category of BMI; CI: confidence interval; Q: quintile; M:male; F:female

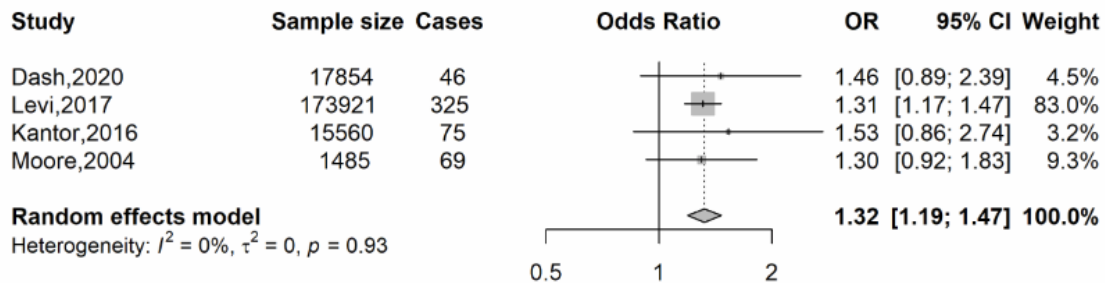
Supplementary Figure 2. Association of BMI (overweight and obese vs. normal weight) with colorectal cancer risk in younger adults (<50 years)



Abbreviations: BMI: Body Mass Index. CI: Confidence interval. OR: Odds Ratio.

Note: BMI Categories: normal weight, 18.5-24.9 kg/m² (reference); overweight and obese, ≥ 25 kg/m².

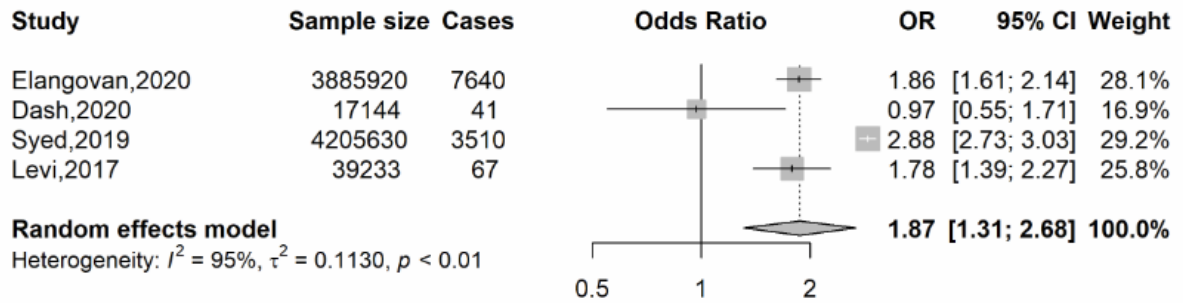
Supplementary Figure 3. Association of BMI with colorectal cancer risk in younger adults (<50 years): Overweight vs. normal weight



Abbreviations: BMI: Body Mass Index. CI: Confidence interval. OR: Odds Ratio.

Note: BMI Categories: normal weight, 18.5-24.9 kg/m² (reference); overweight, 25-29.9 kg/m².

Supplementary Figure 4. Association of BMI with colorectal cancer risk in younger adults (<50 years): Obese vs normal weight



Abbreviations: BMI: Body Mass Index. CI: Confidence interval. OR: Odds Ratio.
 Note: BMI Categories: normal weight, 18.5-24.9 kg/m² (reference); obese ≥ 30 kg/m².

Supplementary Figure 5. Funnel plots for evaluating potential publication bias

