## **SUPPL 4.** RISK OF BIAS ASSESSMENTS

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | Confounding | Measurement of exposure | Selection of participants into the study | Post exposure interventions | Missing data | Measurement of outcome | Reporting bias | Overall |
| Alushi et al., 2021 | Low | Serious | Serious | Low | Low | Low | Low | Critical |
| Bagai et al., 2018 | Low | Low | Some concerns | Low | Low | Low | Low | Some concerns |
| Blicher et al., 2013  | Low | Some concerns | Low | Low | Low | Some concerns | Low | Some concerns |
| Kawsara et al., 2021 | Low | Serious | Some concerns | Low | Low | Low | Low | Serious |
| Khan et al., 2020 | Low | Serious | Some concerns | Low | Low | Low | Low | Serious |
| Kotwal et al., 2017  | Low | Some concerns | Low | Low | Low | Low | Low | Low |
| Lin et al., 2022 | Low | Some concerns | Low | Low | Low | Low | Low | Low |
| Murray et al., 2018 | Low | Some concerns | Some concerns | Low | Some concerns | Low | Low | Some concerns |
| Panchal et al., 2021 | Low | Some concerns | Some concerns | Low | Low | Low | Low | Some concerns |
| Sakhuja et al., 2016 | Low | Serious | Some concerns | Low | Low | Low | Low | Serious |
| Sanchis et al., 2021 | Low1 | Low | Some concerns | Low | Low | Low | Low | Some concerns 1 |
| Shaw et al., 2014 | Low | Low | Some concerns | Low | Low | Low | Low | Some concerns |
| Smilowitz et al., 2017 | Low2 | Some concerns | Low | Low | Low | Low | Low | Low2 |

1 Serious risk for adjusted results; 2 Some concerns for adjusted results

Five studies were assessed by both co-authors; the remainder were evaluated by one of the two only.