

RISK OF BIAS JUDGEMENT

| 1.1 | 1.2.1 | 1.2.2 | risk of bias |
|---------|---------|---------|--------------|
| Y/PY | Y/PY | Y/PY | low |
| | | N/PN/NI | moderate |
| | N/PN/NI | | high |
| N/PN/NI | | | high |

| 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | risk of bias | |
|-----|-----|------|------|----------|--------------|----------|
| Y | Y | Y | Y | Y | low | |
| | | | | N | moderate | |
| | | | Y | Y | moderate | |
| | | N | | high | | |
| | | N | Y | moderate | | |
| | | | N | high | | |
| | N | Y | Y | Y | Y | moderate |
| | | | | | N | high |
| | | N | Y | Y | Y | moderate |
| | | | | | N | high |
| N | | high | | | | |
| N | | | high | | | |

| 3.1 | 3.2.1 | 3.2.2 | 3.2.3 | risk of bias |
|---------|---------|-------|-------|--------------|
| Y/PY | | | | low |
| N/PN/NI | Y/PY | Y | Y | low |
| | | | N/NI | moderate |
| | | N | | high |
| | N/PN/NI | Y | Y | moderate |
| | | | N/NI | high |
| N | | high | | |

| 4.1 | 4.2 | risk of bias |
|---------|------|--------------|
| Y/PY/NI | Y/PY | high |
| | N/PN | moderate |
| N/PN | | low |

| 5.1 | 5.2 | risk of bias |
|---------|---------|--------------|
| Y/PY/NI | Y/PY/NI | high |
| | N/PN | moderate |
| N/PN | Y/PY/NI | moderate |
| | N/PN | low |

| 6.1 | 6.2.1 | 6.2.2 | 6.3 | risk of bias |
|------|-------|-------|------|--------------|
| Y/PY | Y/PY | Y/PY | high | |
| | | | N/PN | high |
| | | N/PN | | moderate |
| | N/PN | Y/PY | Y/PY | high |
| | | | N/PN | moderate |
| N/PN | | | low | |

OVERALL RISK OF BIAS JUDGEMENT

| Bias arising from study design | Bias due to inaccuracy in reporting the method | Bias due to missing outcome data | Bias in measurement of the outcome | Bias in selection of the reported result | Bias arising from multiple use of data | Overall risk of bias | | | |
|--------------------------------|--|----------------------------------|------------------------------------|--|--|----------------------|----------|----------|----------|
| low | low | low | low | low | low | low | | | |
| | | | | | moderate | moderate | | | |
| | | | | | high | high | | | |
| | | | | moderate | low | moderate | | | |
| | | | | | moderate | moderate | | | |
| | | | | | high | high | | | |
| | | | moderate | low | low | low | low | moderate | |
| | | | | | | moderate | moderate | | |
| | | | | | | high | high | | |
| | | | | moderate | moderate | low | low | moderate | |
| | | | | | | moderate | moderate | | |
| | | | | | | high | high | | |
| | | high | high | high | | | | | |
| | | moderate | low | low | low | low | moderate | | |
| | | | | | | moderate | moderate | | |
| | | | | | | high | high | | |
| | | | | moderate | moderate | low | low | moderate | |
| | | | | | | moderate | moderate | | |
| | | | | | | high | high | | |
| | | | high | high | high | | | | |
| | | | high | low | low | low | low | moderate | |
| | | | | | | | moderate | moderate | |
| | | | | | | | high | high | |
| | | | | | | moderate | moderate | low | low |
| | moderate | | | | | | | moderate | |
| | high | high | | | | | | | |
| | high | high | | | high | | | | |
| | moderate | low | | | low | low | low | moderate | |
| | | | | | | | moderate | moderate | |
| | | | | | | | high | high | |
| | | | | | moderate | moderate | low | low | moderate |
| | | | | | | | moderate | moderate | |
| | | | | high | | | high | | |
| | | high | | high | high | | | | |
| | | high | | moderate | low | low | low | moderate | |
| | | | | | | | moderate | moderate | |
| | | | | | | | high | high | |
| | | | | | moderate | moderate | low | low | moderate |
| | | | | | | | moderate | moderate | |
| | high | | | | | | high | | |
| | high | | | high | high | | | | |
| | high | | | high | high | | | | |

OVERALL RISK OF BIAS JUDGEMENT

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|--------------------------------|--|----------------------------------|------------------------------------|--|--|----------------------|----------|----------|----------|----------|
| moderate | low | low | low | low | low | moderate | | | | |
| | | | | | moderate | moderate | | | | |
| | | | | | high | high | | | | |
| | | | | moderate | low | moderate | | | | |
| | | | | | moderate | moderate | | | | |
| | | | | | high | high | | | | |
| | | | moderate | low | low | low | low | moderate | | |
| | | | | | | | moderate | moderate | | |
| | | | | | | | high | high | | |
| | | | | moderate | moderate | moderate | moderate | low | moderate | |
| | | | | | | | | moderate | moderate | |
| | | | | | | | | high | high | |
| | | moderate | moderate | moderate | moderate | low | moderate | | | |
| | | | | | | moderate | moderate | | | |
| | | | | | | high | high | | | |
| | | | high | high | high | high | low | moderate | | |
| | | | | | | | moderate | moderate | | |
| | | | | | | | high | high | | |
| | | moderate | moderate | low | low | low | low | moderate | | |
| | | | | | | | moderate | moderate | | |
| | | | | | | | high | high | | |
| | | | | | moderate | low | low | moderate | low | moderate |
| | | | | | | | | | moderate | moderate |
| | | | | | | | | | high | high |
| | moderate | | | moderate | moderate | moderate | low | moderate | | |
| | | | | | | | moderate | moderate | | |
| | | | | | | | high | high | | |
| | | | | high | high | high | high | low | moderate | |
| | | | | | | | | moderate | moderate | |
| | | | | | | | | high | high | |
| | high | | moderate | low | low | low | low | moderate | | |
| | | | | | | | moderate | moderate | | |
| | | | | | | | high | high | | |
| | | | | moderate | low | low | moderate | low | moderate | |
| | | | | | | | | moderate | moderate | |
| | | | | | | | | high | high | |
| | | | high | moderate | moderate | moderate | low | moderate | | |
| | | | | | | | moderate | moderate | | |
| | | | | | | | high | high | | |
| | | | | high | high | high | high | low | moderate | |
| | | | | | | | | moderate | moderate | |
| | | | | | | | | high | high | |