Records identified through database searching published up to 4 October 2018 (n = 239 after duplicates removed)

Additional records identified through other sources (n = 26)

Records after duplicates removed (n = 265)

Records screened (n = 265)

Records excluded (n = 257)

Full-text articles assessed for eligibility (n = 8)

Full-text articles excluded for the following main reasons: unsatisfactory inclusion criteria (n = 1) not extractable data (n = 1)

Studies included in qualitative synthesis (n = 6)

Studies included in quantitative synthesis (meta-analysis, n = 6)
  n = 5 cross-sectional studies
  n = 1 longitudinal study