Records identified through database searching (N = 7494)
  Embase® (n = 7175)
  Cochrane (n = 261)
  MEDLINE® In-Process (n = 58)

Duplicates records (n = 205)

Records excluded (n = 6492)
  Objective = 3458
  Review/editorial = 1128
  Animal/in-vitro = 605
  Data collection period = 453
  Study design = 446
  Conference abstracts/papers = 176
  Disease = 162
  Language = 62
  Not available = 2

Abstracts screened (n = 7289)

Records excluded (n = 591)
  Objective = 296
  Review/editorial = 9
  Data collection period = 55
  Animal/in-vitro = 1
  Study design = 7
  Conference abstracts/papers = 28
  Disease = 1
  Language = 26
  Only P value reported (no data) = 30
  Non-comparative = 100
  Qualitative data only = 19
  No extractable outcomes = 18
  Copy/duplicate = 1

Full-text articles assessed for eligibility (n = 797)

Studies included after linking of multiple publications per study (n = 206 citations, n = 180 studies)

Objective

1. Association of pre-transplant transfusions with allosensitization (39 studies)*
   - Figure 2 (11 studies):
     - Figure 2A (10 studies)†
     - Figure 2B (4 studies)†
   - Not peer reviewed = 16
     - Comparison not of interest = 6
     - Outcome reporting = 6

2. Association of pre-transplant transfusions with allograft outcomes (96 studies)*
   - Figure 3 (14 studies):
     - Figure 3A (14 studies)†
     - Figure 3B (14 studies)†
   - Not peer reviewed = 47
     - Comparison not of interest = 20
     - Outcome reporting = 15

3. Association of allosensitization with allograft outcomes (72 studies)*
   - Figures 4, 5 and 6 (34 studies):
     - Figure 4 (23 studies)†
     - Figure 5 (20 studies)†
     - Figure 6A (9 studies)†
     - Figure 6B (6 studies)†
   - Not peer reviewed = 14
     - Comparison not of interest = 11
     - Outcome reporting = 13

4. Association of transfusions/allosensitization with wait time (8 studies)*
   - 3 studies

- Only P value reported (no data) = 30
- Non-comparative = 100
- Qualitative data only = 19
- No extractable outcomes = 18
- Copy/duplicate = 1

Studies comparing different types of transfusions (e.g. donor specific versus random) were excluded. Similarly, studies with variable outcome reporting (e.g. other time point of assessment, reporting relative summary estimate) were excluded.