Records identified through database searching

MEDLINE:
- spinal + manipulation + range + motion (242 hits)
- chiropractic + manipulation + range + motion (135 hits)
- spinal + manipulation + stiffness (65 hits)
- spinal + mobilization + range + motion (117 hits)
- spinal + mobilization + stiffness (128 hits)

EMBASE:
- Manipulation + range of motion (30 hits)
- Chiropractic + manipulation + range of motion (21 hits)

COCHRANE:
- Manipulation + range + motion (3 hits)

Additional records identified through other sources (n = 9)

Records after duplicates removed (n = 247)

Records screened (n = 219)

Records excluded (n = 28)

Full-text articles assessed for eligibility (n = 67)

Studies included in qualitative synthesis (n = 15)

Full-text articles excluded, (n = 52)
- No ROM as outcome = 17
- No immediate effect measured = 15
- No control group = 13
- Subjects with pathologies = 4
- Other therapies = 3