234 Articles evaluated

- 50 not evaluating Pharmacokinetics
- 10 Pharmacokinetic models
- 1 non iv route
- 19 not β-Lactams
- 21 elective prophylaxis use

15 children only
3 non humans
15 non critically ill patients
2 single patient Pharmacokinetics
7 non english language

15 articles selected from reference articles bibliography

35 Use of Renal Replacement Therapy

71 Articles further assessed

Antibiotics with less than 5 published studies (14):
- Cefoxitin 1
- Apalcillin 1
- Flucloxacillin 1
- Cefmenoxime 1
- Cefixime 1
- Co-amoxiclav 1
- Ertapenem 2
- Temoxicillin 1
- Ceftriaxone 3
- Mezlocillin 1
- Cefodizime 1

57 studies included