|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Estimate (%)** |  | **95% Confidence limits** |
| **Question** | **n** | **SE** | **Lower** | **Upper** |
| Pneumonia: Treatment incidence per 100 milking cow months | 66 | 0.3 | 0.1 | 0.2 | 0.5 |
| Pneumonia: Basis for treatment decision  |  |  |  |  |  |
|  Respiratory clinical signs (cough, difficult breathing, nasal disc) | 112 | 97.3 | 1.4 | 92.1 | 99.1 |
|  Not rely on respiratory clinical signs | 3 | 2.6 | 1.4 | 0.8 | 7.8 |
| Pneumonia: Choice of antimicrobial treatment  |  |  |  |  |  |
|  Injectables/bolus: Yes | 109 | 98.1 | 1.2 | 92.9 | 99.5 |
|  Injectables/bolus: No | 2 | 1.8 | 1.2 | 0.4 | 7.0 |
| Pneumonia: First choice of drug for injectable treatment  |  |  |  |  |  |
|  Cephalosporins  | 59 | 57.8 | 4.8 | 47.9 | 67.1 |
|  Penicillins | 21 | 20.5 | 4.0 | 13.7 | 29.6 |
|  Tetracycline  | 8 | 7.8 | 2.6 | 3.9 | 15.0 |
|  Amphenicols  | 6 | 5.8 | 2.3 | 2.6 | 12.5 |
|  Sulfonamides | 5 | 4.9 | 2.1 | 2.0 | 11.3 |
|  Fluoroquinolones | 2 | 1.9 | 1.3 | 0.4 | 7.6 |
|  Macrolides | 1 | 0.9 | 0.9 | 0.1 | 6.7 |
| Pneumonia: Second choice of drug for injectable treatment  |  |  |  |  |  |
|  Penicillins  | 15 | 42.8 | 8.3 | 27.2 | 60.0 |
|  Cephalosporins  | 11 | 31.4 | 7.8 | 17.9 | 48.9 |
|  Tetracycline  | 4 | 11.4 | 5.3 | 4.1 | 27.5 |
|  Sulfonamides | 2 | 5.7 | 3.9 | 1.3 | 21.0 |
|  Amphenicols  | 1 | 2.8 | 2.8 | 0.3 | 18.7 |
|  Fluoroquinolones | 1 | 2.8 | 2.8 | 0.3 | 18.7 |
|  Macrolides | 1 | 2.8 | 2.8 | 0.3 | 18.7 |
|  |  |  |  |  |  |
| Post-surgery: Treatment incidence per 100 milking cow months | 65 | 0.04 | 0.01 | 0.01 | 0.06 |
| Post-surgery: Basis for treatment decision  |  |  |  |  |  |
|  Routinely after DAa or C-Sectionb | 20 | 27.3 | 5.2 | 18.2 | 38.9 |
|  Rely on veterinarian instruction | 36 | 49.3 | 5.8 | 37.8 | 60.8 |
|  Routinely after DA + rely on veterinarian | 17 | 23.2 | 4.9 | 14.8 | 34.5 |
| Post-surgery: Choice of antimicrobial treatment  |  |  |  |  |  |
|  Injectables/bolus: Yes | 62 | 96.8 | 2.1 | 88.0 | 99.2 |
|  Injectables/bolus: No | 2 | 3.1 | 2.1 | 0.7 | 11.9 |
| Post-surgery: First choice of drug for injectable treatment  |  |  |  |  |  |
|  Penicillins  | 42 | 72.4 | 5.8 | 59.3 | 82.5 |
|  Cephalosporins | 15 | 25.8 | 5.7 | 16.0 | 38.8 |
|  Tetracycline  | 1 | 1.7 | 1.7 | 0.2 | 11.6 |
| Post-surgery: Second choice of drug for injectable treatment  |  |  |  |  |  |
|  Penicillins  | 12 | 57.1 | 10.7 | 34.7 | 76.9 |
|  Cephalosporins  | 6 | 28.5 | 9.8 | 12.7 | 52.2 |
|  Tetracycline  | 3 | 14.2 | 7.6 | 4.3 | 37.9 |