S1 Table. Unit costs (in US$) and guideline-recommended doses of medicines used in the study.

|  |  |  |  |
| --- | --- | --- | --- |
| **Medicines** | **Recommended dosage** | **Unit cost** | **Source for costs** |
| Injection cloxacillin 500mg | 2g (child:50mg/kg up to 2g) 6-hourly | 0.221 | CWM hospital |
| Injection gentamicin 80mg/2mL | 3.2mg/kg up to 320mg daily | 0.034 | CWM hospital |
| Injection penicillin procaine 4 million IU | 1.5 million units (child: 50k/kg) daily | 0.652 | CWM hospital |
| Injection metronidazole 500mg/100mL | 500mg (child: 12.5mg/kg) 12-hourly | 0.894 | CWM hospital |
| Injection erythromycin 1000mg | 500mg (child: 25 mg/kg) 6-hourly | 4.687 | CWM hospital |
| Injection ceftriaxone 1000mg | 2g (child: 50 mg/kg) daily | 0.414 | CWM hospital |
| Injection ciprofloxacin 100mg/50mL | 400mg (child:10mg/kg) 12-hourly | 2.903 | Fiji EML 3rd ed. |
| Injection meropenem 1000mg | 1g (child: 20mg/kg) 8-hourly | 13.36 | CWM hospital |
| Injection penicillin G 4 million IU | 2.4 million units (child: 50k/kg) daily | 0.438 | CWM hospital |
| Oral capsules flucloxacillin 500mg | 500mg (child: 12.5mg/kg) 6-hourly | 0.037 | CWM hospital |
| Oral penicillin 250mg | 500mg (child: 12.5 mg/kg) 6-hourly | 0.013 | CWM hospital |
| Oral capsule amoxycillin 500mg | 1g (child: 25mg/kg) 8-hourly | 0.018 | CWM hospital |
| Oral tablets metronidazole 200mg | 400mg (child: 10mg/kg) 12-hourly | 0.005 | CWM hospital |
| Oral tablets erythromycin 250mg | 500mg (child: 10mg/kg) 6-hourly | 0.028 | CWM hospital |
| Oral capsules doxycycline 100mg | 100mg (child: 2mg/kg) 12-hourly | 0.012 | CWM hospital |
| Oral capsules cephalexin 500mg | 500mg (child: 12.5mg/kg) 6-hourly | 0.034 | UNICEF supply |
| Oral tablets co-trimoxazole 480mg | 960mg (child: 24mg/kg) 12-hourly | 0.007 | CWM hospital |
| Oral susp. flucloxacillin 125mg/5mL (100mL) | 500mg (child: 10mg/kg) 6-hourly | 0.110 | CWM hospital |
| Oral susp. penicillin 125mg/5mL (100mL) | 500mg (child: 12.5 mg/kg) 6-hourly | 1.378 | FCCC authorization |
| Oral susp. amoxycillin 125mg/5mL (100mL) | 1g (child: 25mg/kg) 8-hourly | 0.392 | CWM hospital |
| Oral susp. metronidazole 200mg/5mL (100mL) | 400mg (child: 10mg/kg) 12-hourly | 0.560 | UNICEF supply |
| Oral susp. erythromycin 125mg/5mL (100mL) | 500mg (child: 10mg/kg) 6-hourly | 1.134 | CWM hospital |
| Oral susp. cephalexin 125mg/5mL (100mL) | 500mg (child: 12.5mg/kg) 6-hourly | 0.560 | Same as metronidazole |
| Oral susp. co-trimoxazole 240mg/5mL (100mL) | 960mg (child: 24mg/kg) 12-hourly | 0.290 | CWM hospital |
| Cream permethrin 5% w/w | Topical application for whole family | 1.165 | Mow, et al. |

S2 Table. Estimated annual number of non-scabies-related skin and soft tissue infections in Northern Division, Fiji.

| Characteristic | Scabies-related SSTI admissions |
| --- | --- |
| Annual total | 617 |
| Sex, no. (%) |  |
| Male | 114 (59%) |
| Female | 80 (41%) |
| Age, median (IQR) | 35 (21, 54) |
| Age category, no. (%) |  |
| 0-4 | 13 (7%) |
| 5-14 | 23 (12%) |
| 15+ | 158 (82%) |
| Ethnicity, no. (%) |  |
| I-Taukei | 134 (69%) |
| Others | 60 (31%) |
| Residence, no. (%) |  |
| Urban | NA |
| Rural | NA |
| Admitted, no. (%) | 194 (100%) |
| Bed days, mean (SD) | 11.6 (12.5) |

Notes: Numbers may not add up to totals due to missing values for some characterisitics. SD, standard deviation; NA, not available; SSTI, skin and soft tissue infection.

S3 Table. Healthcare resource utilization of PHC presentations for scabies and related SSTIs in Northern Division, Fiji.

|  |  |  |  |
| --- | --- | --- | --- |
| Characteristic | Scabies presentations | Scabies-related SSTI presentations | Scabies-related SSTI admissions |
| Clinic visits | 100.0% | 100.0% | 0.0% |
| Ward bed days | 0.1% | 1.0% | 100.0% |
| ICU bed days | 0.0% | 0.0% | 3.9% |
| Topical medicines | 81.6% | 8.0% | 0.0% |
| Oral medicines | 41.4% | 83.2% | 92.6% |
| Injection medicines | 26.8% | 51.3% | 97.7% |
| Diagnostic tests | 0.0% | 0.0% | 68.0% |

ICU, intensive care unit; PHC, primary healthcare; SSTI, skin and soft tissue infection

S4 Table. Mean (standard deviation) costs per case in 2020 US dollars by resource use category of scabies- and non-scabies-related SSTIs in Northern Division, Fiji

|  |  |
| --- | --- |
| Characteristic | Non-scabies-related SSTI admissions |
| Clinic visits | 0.0 (0.0) |
| Ward bed days | 632.6 (692.2) |
| ICU bed days | 80.4 (385.4) |
| Topical medicines | 0.0 (0.0) |
| Oral medicines | 1.2 (2.8) |
| Injection medicines | 20.0 (42.6) |
| Diagnostic tests | 11.9 (5.7) |
| Mean total costs | 746.1 (848.3) |

Values in parenthesis are standard deviations. SSTIs, skin and soft tissue infections.