**Supplementary Table 1. Antibiotic Exposure**

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| --- | --- | --- | --- | --- |
| Drug, N (%) | Group 1: Education-only  N= 52 | Group 2: Unsupervised Decolonization  N=48 | Group 3: Supervised Decolonization  N=49 | Groups 2 & 3:  Decolonization  N=97 |
| Pre-treatment period |  |  |  |  |
| Amoxicillin | 3 (5.8) | 4 (8.2) | 5 (10.4) | 9 (9.3) |
| Amoxicillin-clavulanate | 3 (5.8) | 0 (0) | 0 (0) | 0 (0) |
| Azithromycin | 3 (5.8) | 1 (2.0) | 0 (0) | 1 (1.0) |
| Cephalexin | 1 (1.9) | 1 (2.0) | 0 (0) | 1 (1.0) |
| Clindamycin | 5 (9.6) | 1 (2.0) | 3 (6.3) | 4 (4.1) |
| Fluoroquinolone | 0 (0) | 1 (2.0) | 1 (2.1) | 2 (2.1) |
| Trimethoprim-sulfamethoxazole | 3 (5.8) | 5 (10.2) | 1 (2.1) | 6 (6.2) |
| Treatment Period |  |  |  |  |
| Amoxicillin | 0 (0) | 0 (0) | 1 (2.1) | 1 (1.0) |
| Amoxicillin-clavulanate | 3 (5.8) | 2 (4.1) | 0 (0) | 2 (2.1) |
| Azithromycin | 0 (0) | 2 (4.1) | 0 (0) | 2 (2.1) |
| Cephalexin | 2 (3.9) | 3 (6.1) | 1 (2.1) | 4 (4.1) |
| Ceftriaxone | 0 (0) | 2 (4.1) | 0 (0) | 2 (2.1) |
| Clindamycin | 26 (50.0) | 32 (65.3) | 29 (60.4) | 61 (62.9) |
| Doxycycline | 3 (5.8) | 3 (6.1) | 4 (8.3) | 7 (7.2) |
| Levofloxacin | 1 (1.9) | 2 (4.1) | 0 (0) | 2 (2.1) |
| Trimethoprim-sulfamethoxazole | 21 (40.4) | 15 (30.6) | 15 (31.3) | 30 (30.9) |
| Post-treatment period |  |  |  |  |
| Amoxicillin | 1 (1.9) | 0 (0) | 0 (0) | 0 (0) |
| Amoxicillin-clavulanate | 1 (1.9) | 1 (2.0) | 0 (0) | 1 (1.0) |
| Cephalexin | 0 (0) | 1 (1.9) | 0 (0) | 1 (1.0) |
| Clindamycin | 1 (1.9) | 4 (8.2) | 2 (4.2) | 6 (6.2) |
| Doxycycline | 3 (5.8) | 1 (2.0) | 0 (0) | 1 (1.0) |
| Fluoroquinolone | 1 (1.9) | 1 (2.0) | 1 (2.1) | 2 (2.1) |
| Trimethoprim-sulfamethoxazole | 3 (5.8) | 5 (10.2) | 3 (6.3) | 8 (8.3) |

Footnote:

Pre-treatment period: the year prior to study enrollment, not including the fourteen days prior to SSTI diagnosis

Treatment period: 14 days following diagnosis of MRSA SSTI

Post-treatment period: from 15 days following diagnosis of MRSA SSTI until end of follow-up

**Supplementary Figure 1. Kaplan Meier curve of time to clearance of colonization: education-only vs. supervised decolonization vs. unsupervised decolonization**

**Supplementary Figure 2. Kaplan Meier curve of time to clearance of colonization: education-only vs. >50% compliance with decolonization (per-protocol)**

**Supplementary Figure 3. Kaplan Meier curve of time to clearance of colonization: >50% compliance vs. less than 50% compliance**