Supplemental Table 1. Bivariable Analyses of Factors Associated with *Staphylococcus aureus* Nasal Carriage; Patients with Unknown Carriage Status Excluded

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patient Characteristics** |  | **Non-carriers  (n = 778)** |  | ***S. aureus* carriage  (n = 262)** | |  | **MSSA carriage**  **(n = 211)** | |  | **MRSA carriage**  **(n = 51)** | |
|  |  | **No.**  **(%)** |  | **No.**  **(%)** | **Odds Ratio (95% CI)** |  | **No.**  **(%)** | **Odds Ratio (95% CI)** |  | **No.**  **(%)** | **Odds Ratio**  **(95% CI)** |
| Age, mean (range) |  | 53.86  (18-98) |  | 52.19  (18-97) | 1.00  (0.99-1.00) |  | 50.35  (18-97) | 0.99  (0.98-0.99) |  | 59.81  (19-91) | 1.02  (1.01-1.03) |
| BMI, mean (range) |  | 29.35  (14.65-66.14) |  | 29.34  (14.18-75.39) | 1.00  (0.98-1.02) |  | 28.85  (16.21-75.39) | 0.99  (0.97-1.01) |  | 31.37  (14.18-55.01) | 1.03  (1.00-1.07) |
| Male gender |  | 418  (53.73) |  | 153  (58.40) | 1.21  (0.91-1.60) |  | 128  (60.66) | 1.34  (0.99-1.83) |  | 25  (49.02) | 0.78  (0.44-1.37) |
| Tobacco use |  | 377  (48.46) |  | 112  (42.75) | 0.79  (0.60-1.05) |  | 89  (42.18) | 0.78  (0.58-1.06) |  | 23  (45.10) | 0.92  (0.52-1.62) |
| Alcohol use disorder |  | 39  (5.01) |  | 13  (4.96) | 0.99  (0.52-1.88) |  | 11  (5.21) | 1.06  (0.53-2.09) |  | 2  (3.92) | 0.77  (0.18-3.24) |
| Illicit drug use (including THC) |  | 48  (6.17) |  | 16  (6.11) | 0.99  (0.55-1.77) |  | 12  (5.69) | 0.90  (0.47-1.72) |  | 4  (7.84) | 1.32  (0.46-3.78) |
| Diabetes |  | 83  (10.67) |  | 44  (16.79) | 1.69  (1.14-2.51) |  | 30  (14.22) | 1.25  (0.81-1.94) |  | 14  (27.45) | 2.93  (1.54-5.59) |
| Heart disease |  | 133  (17.10) |  | 50  (19.08) | 1.14  (0.80-1.64) |  | 33  (15.64) | 0.84  (0.56-1.27) |  | 17  (33.33) | 2.48  (1.35-4.54) |
| Vascular incident |  | 44  (5.66) |  | 17  (6.49) | 1.16  (0.65-2.06) |  | 12  (5.69) | 0.96  (0.50-1.84) |  | 5  (9.80) | 1.81  (0.69-4.74) |
| Renal disease |  | 39  (5.01) |  | 19  (7.25) | 1.48  (0.84-2.61) |  | 10  (4.74) | 0.81  (0.40-1.63) |  | 9  (17.65) | 4.11  (1.89-8.92) |
| Liver disease |  | 19  (2.44) |  | 11  (4.20) | 1.75  (0.82-3.73) |  | 8  (3.79) | 1.45  (0.63-3.29) |  | 3  (5.88) | 2.23  (0.65-7.60) |
| Malnutrition |  | 57  (7.33) |  | 14  (5.34) | 0.71  (0.39-1.30) |  | 9  (4.27) | 0.55  (0.27-1.13) |  | 5  (9.80) | 1.52  (0.58-3.95) |
| History of cancer |  | 63  (8.10) |  | 17  (6.49) | 0.79  (0.45-1.37) |  | 14  (6.64) | 0.82  (0.45-1.49) |  | 3  (5.88) | 0.74  (0.23-2.43) |
| Immunocompromised or HIV positive |  | 15  (1.93) |  | 2  (0.76) | 0.39  (0.09-1.72) |  | 1  (0.47) | 0.24  (0.03-1.83) |  | 1  (1.96) | 1.22  (0.16-9.36) |
| Long-term care facility resident |  | 15  (1.93) |  | 14  (5.34) | 2.87  (1.37-6.03) |  | 8  (3.79) | 1.52  (0.66-3.47) |  | 6  (11.76) | 5.60  (2.17-14.44) |
| Open fracture |  | 137  (17.61) |  | 43  (16.41) | 0.92  (0.63-1.34) |  | 33  (15.64) | 0.86  (0.57-1.30) |  | 10  (19.61) | 1.18  (0.58-2.39) |

Note. *S. aureus*, *Staphylococcus aureus*;MSSA, methicillin-susceptible *Staphylococcus aureus*; MRSA, methicillin-resistant *Staphylococcus aureus*; BMI, body mass index; THC, tetrahydrocannabinol; HIV, human immunodeficiency virus.