

Table S1. Population Characteristics Variable Descriptions

Gender	Female, male
Race	Black, white, other ()
Ethnicity	Hispanic, Non-Hispanic
Age	< 19, 19-45, 45-65, and > 65 years old
Marital Status	Married, single
Education	Highest degree obtained High school diploma or below, some college, Bachelor's or above
Healthcare Insurance	Public, private, none, other ()
Self-Rated Health	Self-reported overall health Poor, fair, good (includes very good and excellent)
Income	Total combined family income for the past 12 months ≥ \$40,000, < \$40,000
First Time Infection	Is this a first-time infection? Yes, No
Crowding Life Environment	Do they live, work, or spend time in a crowded environment, such as a bedroom with at least one other person, dormitory, prison, daycare center, nursing home, contact sports, or international travel in the past month? Yes, No
Healthcare Exposure	Have they worked or spent time in a healthcare facility or correctional facility in the past month? Yes, No
Contact Animal	Have they worked or spent time with animals (including pets) in the past month? Yes, No
Had Wounds	Have they had surgery or a wound in the past month? Yes, No
Social Network	Does anyone in their household have a risk factor for <i>S. aureus</i> infection, such as recent surgery, work in the healthcare field, or recent SSTI in the past month? Yes, No
Household Crowding	Number of people (excluding newborns) that live in a household <2 people, ≥2 People
Personal Hygiene	Do they share personal hygiene products (towels, unwashed clothes, razors) with another person or re-wear clothing? Yes, No
Washing Hands	How many times a day do they wash their hands? < 10 times/day, > 10 times/day

Table S2. MRSA v MSSA in all study population.

	MRSA (N=67)	MSSA (N=60)	Total (N=127)	P-value
Gender, n (%)				0.10 ¹
Female	32 (47.8%)	20 (33.3%)	52 (40.9%)	
Male	35 (52.2%)	40 (66.7%)	75 (59.1%)	
Race, n (%)				0.98 ¹
Black	15 (36.6%)	15 (37.5%)	30 (37.0%)	
White	12 (29.3%)	11 (27.5%)	23 (28.4%)	
Other Race	14 (34.1%)	14 (35.0%)	28 (34.6%)	
Missing	26	20	46	
Ethnicity, n (%)				0.78 ¹
Hispanic	43 (67.2%)	33 (64.7%)	76 (66.1%)	
Non-Hispanic	21 (32.8%)	18 (35.3%)	39 (33.9%)	
Missing	3	9	12	
Age (Years), n (%)				0.37 ¹
< 19	6 (9.0%)	4 (6.7%)	10 (7.9%)	
19-45	43 (64.2%)	31 (51.7%)	74 (58.3%)	
45-65	16 (23.9%)	22 (36.7%)	38 (29.9%)	
> 65	2 (3.0%)	3 (5.0%)	5 (3.9%)	
Birthplace, n (%)				0.11 ¹
US Born	47 (70.1%)	34 (56.7%)	81 (63.8%)	
Non-US Born	20 (29.9%)	26 (43.3%)	46 (36.2%)	
Marital Status, n (%)				0.77 ¹
Couple	24 (36.4%)	20 (33.9%)	44 (35.2%)	
Single	42 (63.6%)	39 (66.1%)	81 (64.8%)	
Missing	1	1	2	
Education, n (%)				0.43 ¹
High School or lower	41 (62.1%)	43 (72.9%)	84 (67.2%)	
College	15 (22.7%)	9 (15.3%)	24 (19.2%)	
Bachelor or higher	10 (15.2%)	7 (11.9%)	17 (13.6%)	
Missing	1	1	2	
Health Insurance, n (%)				0.68 ¹
Private or Other	14 (21.2%)	10 (16.9%)	24 (19.2%)	
Public (Medicare or Medicaid)	39 (59.1%)	34 (57.6%)	73 (58.4%)	
None	13 (19.7%)	15 (25.4%)	28 (22.4%)	
Missing	1	1	2	
Health Quality, n (%)				0.79 ¹
Good	44 (69.8%)	38 (64.4%)	82 (67.2%)	
Fair	16 (25.4%)	17 (28.8%)	33 (27.0%)	
Poor	3 (4.8%)	4 (6.8%)	7 (5.7%)	
Missing	4	1	5	

Income, n (%)				0.58 ¹
≥\$40,000	5 (10.0%)	6 (13.6%)	11 (11.7%)	
< \$40,000	45 (90.0%)	38 (86.4%)	83 (88.3%)	
Missing	17	16	33	
First Time Infection, n (%)				0.58 ¹
No	18 (28.6%)	14 (24.1%)	32 (26.4%)	
Yes	45 (71.4%)	44 (75.9%)	89 (73.6%)	
Missing	4	2	6	
Crowding Life Environment, n (%)				0.03 ¹
Yes	46 (76.7%)	34 (57.6%)	80 (67.2%)	
No	14 (23.3%)	25 (42.4%)	39 (32.8%)	
Missing	7	1	8	
Healthcare Exposure, n (%)				0.80 ¹
Yes	21 (34.4%)	22 (36.7%)	43 (35.5%)	
No	40 (65.6%)	38 (63.3%)	78 (64.5%)	
Missing	6	0	6	
Animal Contact, n (%)				0.08 ¹
Yes	26 (41.9%)	44 (73.3%)	80 (65.6%)	
No	36 (58.1%)	16 (26.7%)	42 (34.4%)	
Missing	5	0	5	
Had Wounds, n (%)				0.08 ¹
Yes	16 (25.4%)	24 (40.0%)	40 (32.5%)	
No	47 (74.6%)	36 (60.0%)	83 (67.5%)	
Missing	4	0	4	
Social Network, n (%)				0.40 ¹
Yes	15 (24.6%)	11 (18.3%)	26 (21.5%)	
No	46 (75.4%)	49 (81.7%)	95 (78.5%)	
Missing	6	0	6	
Household Crowding, n (%)				0.94 ¹
<2 People	17 (30.9%)	16 (30.2%)	33 (30.6%)	
>2 People	38 (69.1%)	37 (69.8%)	75 (69.4%)	
Missing	12	7	19	
Personal Hygiene, n (%)				0.06 ¹
Not Sharing	29 (52.7%)	18 (34.6%)	47 (43.9%)	
Sharing	26 (47.3%)	34 (65.4%)	60 (56.1%)	
Missing	12	8	20	
Hand Washing, n (%)				0.11 ¹
<10 Times/Day	40 (63.5%)	46 (76.7%)	86 (69.9%)	
>10 Times/Day	23 (36.5%)	14 (23.3%)	37 (30.1%)	
Missing	4	0	4	
<i>S. aureus</i> Genotype, n (%)				0.0001 ¹
USA300	39 (58.2%)	12 (20.0%)	51 (40.2%)	

Non-USA300	28 (41.8%)	48 (80.0%)	76 (59.8%)
mecA Gene from <i>S. aureus</i> Wound, n (%)	<.0001 ¹		
Positive	60 (90.9%)	0 (0.0%)	60 (48.8%)
Negative	6 (9.1%)	53 (93.0%)	59 (48.0%)
Not Determined	0 (0.0%)	4 (7.0%)	4 (3.3%)
Missing	1	3	4
ACME Gene from <i>S. aureus</i> Wound, n (%)	<.0001 ¹		
Negative	27 (40.9%)	51 (89.5%)	78 (63.4%)
Type I	38 (57.6%)	2 (3.5%)	40 (32.5%)
Type III	1 (1.5%)	0 (0.0%)	1 (0.8%)
Not Determined	0 (0.0%)	4 (7.0%)	4 (3.3%)
Missing	1	3	4
SCCmec Gene from <i>S. aureus</i> Wound, n (%)	<.0001 ¹		
Negative	1 (1.5%)	1 (1.8%)	2 (1.6%)
IVa	52 (78.8%)	0 (0.0%)	52 (42.3%)
IVb	1 (1.5%)	0 (0.0%)	1 (0.8%)
IVc	3 (4.5%)	0 (0.0%)	3 (2.4%)
IVg	1 (1.5%)	0 (0.0%)	1 (0.8%)
IVh	1 (1.5%)	0 (0.0%)	1 (0.8%)
Not Determined	5 (7.6%)	56 (98.2%)	61 (49.6%)
Novel Type	2 (3.0%)	0 (0.0%)	2 (1.6%)
Missing	1	3	4
PVL Gene from <i>S. aureus</i> Wound, n (%)	0.0001 ¹		
Positive	50 (75.8%)	20 (35.1%)	70 (56.9%)
Negative	16 (24.2%)	33 (57.9%)	49 (39.8%)
Not Determined	0 (0.0%)	4 (7.0%)	4 (3.3%)
Missing	1	3	4

¹Chi-Square p-value;

Table S3. USA300 v non-USA300 in all study population.

	USA300 (n=51)	Non- USA300 (n=76)	Total (n=127)	P-value
Gender, n (%)				0.68 ¹
Female	22 (43.1%)	30 (39.5%)	52 (40.9%)	
Male	29 (56.9%)	46 (60.5%)	75 (59.1%)	
Race, n (%)				0.84 ¹
Black	13 (40.6%)	17 (34.7%)	30 (37.0%)	
White	9 (28.1%)	14 (28.6%)	23 (28.4%)	
Other Race	10 (31.3%)	18 (36.7%)	28 (34.6%)	
Missing	19	27	46	
Ethnicity, n (%)				0.88 ¹
Hispanic	32 (65.3%)	44 (66.7%)	76 (66.1%)	
Non-Hispanic	17 (34.7%)	22 (33.3%)	39 (33.9%)	
Missing	2	10	12	
Age (Years), n (%)				0.91 ¹
< 19	3 (5.9%)	7 (9.2%)	10 (7.9%)	
19-45	31 (60.8%)	43 (56.6%)	74 (58.3%)	
45-65	15 (29.4%)	23 (30.3%)	38 (29.9%)	
> 65	2 (3.9%)	3 (3.9%)	5 (3.9%)	
Birthplace, n (%)				0.04 ¹
US Born	38 (74.5%)	43 (56.6%)	46 (35.2%)	
Non-US Born	13 (25.5%)	33 (43.4%)	81 (63.8%)	
Marital Status, n (%)				0.54 ¹
Couple	16 (32.0%)	28 (37.3%)	44 (35.2%)	
Single	34 (68.0%)	47 (62.7%)	81 (64.8%)	
Missing	1	1	2	
Education, n (%)				0.40 ¹
High School or lower	33 (66.0%)	51 (68.0%)	84 (67.2%)	
College	12 (24.0%)	12 (16.0%)	24 (19.2%)	
Bachelor or higher	5 (10.0%)	12 (16.0%)	17 (13.6%)	
Missing	1	1	2	
Health Insurance, n (%)				0.52 ¹
Private or Other	12 (24.0%)	12 (16.0%)	24 (19.2%)	
Public (Medicare or Medicaid)	28 (56.0%)	45 (60.0%)	73 (58.4%)	
None	10 (20.0%)	18 (24.0%)	28 (22.4%)	
Missing	1	1	2	
Health Quality, n (%)				0.58 ¹
Good	31 (63.3%)	51 (69.9%)	82 (67.2%)	
Fair	14 (28.6%)	19 (26.0%)	33 (27.0%)	
Poor	4 (8.2%)	3 (4.1%)	7 (5.7%)	

Missing	2	3	5	
Income, n (%)				0.66 ¹
≥\$40,000	4 (10.0%)	7 (13.0%)	11 (11.7%)	
< \$40,000	36 (90.0%)	47 (87.0%)	83 (88.3%)	
Missing	11	22	33	
First Time Infection, n (%)				0.66 ¹
No	14 (28.6%)	18 (25.0%)	32 (26.4%)	
Yes	35 (71.4%)	54 (75.0%)	89 (73.6%)	
Missing	2	4	6	
Crowding Life Environment, n (%)				0.10 ¹
Yes	35 (76.1%)	45 (61.6%)	80 (67.2%)	
No	11 (23.9%)	28 (38.4%)	39 (32.8%)	
Missing	5	3	8	
Healthcare Exposure, n (%)				0.51 ¹
Yes	15 (31.9%)	28 (37.8%)	43 (35.5%)	
No	32 (68.1%)	46 (62.2%)	78 (64.5%)	
Missing	4	2	6	
Animal Contact, n (%)				0.03 ¹
Yes	22 (45.8%)	20 (27.0%)	42 (34.4%)	
No	26 (54.2%)	54 (73.0%)	80 (65.6%)	
Missing	3	2	5	
Had Wounds, n (%)				0.25 ¹
Yes	13 (26.5%)	27 (36.5%)	40 (32.5%)	
No	36 (73.5%)	47 (63.5%)	83 (67.5%)	
Missing	2	2	4	
Social Network, n (%)				0.30 ¹
Yes	8 (16.7%)	18 (24.7%)	26 (21.5%)	
No	40 (83.3%)	55 (75.3%)	95 (78.5%)	
Missing	3	3	6	
Household Crowding, n (%)				0.18 ¹
<2 People	10 (23.3%)	23 (35.4%)	33 (30.6%)	
>2 People	33 (76.7%)	42 (64.6%)	75 (69.4%)	
Missing	8	11	19	
Personal Hygiene, n (%)				0.10 ¹
Not Sharing	23 (53.5%)	24 (37.5%)	47 (43.9%)	
Sharing	20 (46.5%)	40 (62.5%)	60 (56.1%)	
Missing	8	12	20	
Hand Washing, n (%)				0.92 ¹
<10 Times/Day	34 (69.4%)	52 (70.3%)	86 (69.9%)	
>10 Times/Day	15 (30.6%)	22 (29.7%)	37 (30.1%)	
Missing	2	2	4	
mecA Gene from <i>S. aureus</i> Wound, n (%)				<0.0001 ¹

Positive	39 (78.0%)	21 (28.8%)	60 (48.8%)
Negative	11 (22.0%)	48 (65.8%)	59 (48.0%)
Not Determined	0 (0.0%)	4 (5.5%)	4 (3.3%)
Missing	1	3	4
ACME Gene from <i>S. aureus</i> Wound, n (%)			<0.0001 ¹
Negative	14 (28.0%)	64 (87.7%)	78 (63.4%)
Type I	35 (70.0%)	5 (6.8%)	40 (32.5%)
Type III	1 (2.0%)	0 (0.0%)	1 (0.8%)
Not Determined	0 (0.0%)	4 (5.5%)	4 (3.3%)
Missing	1	3	4
SCCmec Gene from <i>S. aureus</i> Wound, n (%)			<0.0001 ¹
Negative	1 (2.0%)	1 (1.4%)	2 (1.6%)
IVa	38 (76.0%)	14 (19.2%)	52 (42.3%)
IVb	0 (0.0%)	1 (1.4%)	1 (0.8%)
IVc	1 (2.0%)	2 (2.7%)	3 (2.4%)
IVg	0 (0.0%)	1 (1.4%)	1 (0.8%)
IVh	0 (0.0%)	1 (1.4%)	1 (0.8%)
Not Determined	10 (20.0%)	51 (69.9%)	61 (49.6%)
Novel Type	0 (0.0%)	2 (2.7%)	2 (1.6%)
Missing	1	3	4
PVL Gene from <i>S. aureus</i> Wound, n (%)			<0.0001 ¹
Positive	41 (82.0%)	29 (39.7%)	70 (56.9%)
Negative	9 (18.0%)	40 (54.8%)	49 (39.8%)
Not Determined	0 (0.0%)	4 (5.5%)	4 (3.3%)
Missing	1	3	4

¹Chi-Square p-value

Table S4. Population Characteristics of patients with *S. aureus* isolated from wound cultures.

	MRSA				MSSA			
	US Born (N=47)	Non- US Born (N=20)	Total (N=67)	P- value	US Born (N=34)	Non- US Born (N=26)	Total (N=61)	P- value
Gender, n (%)	0.77 ¹				0.85 ¹			
Female	23 (48.9%)	9 (45.0%)	32 (47.8%)		11 (32.4%)	9 (34.6%)	20 (33.3%)	
Male	24 (51.1%)	11 (55.0%)	35 (52.2%)		23 (67.6%)	17 (65.4%)	40 (66.7%)	
Race, n (%)	0.009 ²				0.24 ¹			
Black	15 (45.5%)	0 (0.0%)	15 (36.6%)		12 (46.2%)	3 (21.4%)	15 (37.5%)	
White	10 (30.3%)	2 (25.0%)	12 (29.3%)		7 (26.9%)	4 (28.6%)	11 (27.5%)	
Other	8 (24.2%)	6 (75.0%)	14 (34.1%)		7 (26.9%)	7 (50.0%)	14 (35.0%)	
Missing	14	12	26		8	12	20	
Ethnicity, n (%)	0.06 ¹				0.04 ¹			
Hispanic	27 (60.0%)	16 (84.2%)	43 (67.2%)		16 (53.3%)	17 (81.0%)	33 (64.7%)	
Non-Hispanic	18 (40.0%)	3 (15.8%)	21 (32.8%)		14 (46.7%)	4 (19.0%)	18 (35.3%)	
Missing	2	1	3		4	5	9	
Age, n (%)	0.35 ²				0.11 ²			
<19 Years	6 (12.8%)	0 (0.0%)	6 (9.0%)		4 (11.8%)	0 (0.0%)	4 (6.7%)	
19-45 Years	28 (59.6%)	15 (75.0%)	43 (64.2%)		15 (44.1%)	16 (61.5%)	31 (51.7%)	
45-65 Years	11 (23.4%)	5 (25.0%)	16 (23.9%)		12 (35.3%)	10 (38.5%)	22 (36.7%)	
> 65 Years	2 (4.3%)	0 (0.0%)	2 (3.0%)		3 (8.8%)	0 (0.0%)	3 (5.0%)	
Marital Status, n (%)	0.0006 ¹				0.0003 ¹			
Couple	11 (23.4%)	13 (68.4%)	24 (36.4%)		5 (14.7%)	15 (60.0%)	20 (33.9%)	
Single	36 (76.6%)	6 (31.6%)	42 (63.6%)		29 (85.3%)	10 (40.0%)	39 (66.1%)	
Missing	0	1	1		0	1	1	
Education, n (%)	0.003 ²				0.14 ²			
High School or Below	30 (63.8%)	11 (57.9%)	41 (62.1%)		24 (72.7%)	19 (73.1%)	43 (72.9%)	
College	14 (29.8%)	1 (5.3%)	15 (22.7%)		7 (21.2%)	2 (7.7%)	9 (15.3%)	

Bachelor or Above	3 (6.4%)	7 (36.8%)	10 (15.2%)	2 (6.1%)	5 (19.2%)	7 (11.9%)
Missing	0	1	1	1	0	1
Health Insurance, n (%)	0.001 ¹			0.002 ¹		
Private or Other	10 (21.3%)	4 (21.1%)	14 (21.2%)	4 (11.8%)	6 (24.0%)	10 (16.9%)
Public	33 (70.2%)	6 (31.6%)	39 (59.1%)	26 (76.5%)	8 (32.0%)	34 (57.6%)
None	4 (8.5%)	9 (47.4%)	13 (19.7%)	4 (11.8%)	11 (44.0%)	15 (25.4%)
Missing	0	1	1	0	1	1
Health Quality, n (%)	0.25 ²			0.92 ²		
Good	28 (63.6%)	16 (84.2%)	44 (69.8%)	22 (66.7%)	16 (61.5%)	38 (64.4%)
Fair	13 (29.5%)	3 (15.8%)	16 (25.4%)	9 (27.3%)	8 (30.8%)	17 (28.8%)
Poor	3 (6.8%)	0 (0.0%)	3 (4.8%)	2 (6.1%)	2 (7.7%)	4 (6.8%)
Missing	3	1	4	1	0	1
Income, n (%)	0.38 ¹			0.81 ¹		
≥\$40,000	3 (7.9%)	2 (16.7%)	5 (10.0%)	3 (12.5%)	3 (15.0%)	6 (13.6%)
< \$40,000	35 (92.1%)	10 (83.3%)	45 (90.0%)	21 (87.5%)	17 (85.0%)	38 (86.4%)
Missing	9	8	17	10	6	16
First Time Infection, n (%)	0.79 ¹			0.16 ¹		
No	13 (29.5%)	5 (26.3%)	18 (28.6%)	10 (31.3%)	4 (15.4%)	14 (24.1%)
Yes	31 (70.5%)	14 (73.7%)	45 (71.4%)	22 (68.8%)	22 (84.6%)	44 (75.9%)
Missing	3	1	4	2	0	2
Crowding Life Environment, n (%)	0.78 ¹			0.11 ¹		
Yes	31 (75.6%)	15 (78.9%)	46 (76.7%)	16 (48.5%)	18 (69.2%)	34 (57.6%)
no	10 (24.4%)	4 (21.1%)	14 (23.3%)	17 (51.5%)	8 (30.8%)	25 (42.4%)
Missing	6	1	7	1	0	1
Healthcare Exposure, n (%)	0.37 ¹			0.41 ¹		
No	26 (61.9%)	14 (73.7%)	40 (65.6%)	20 (58.8%)	18 (69.2%)	38 (63.3%)

Yes	16 (38.1%)	5 (26.3%)	21 (34.4%)	14 (41.2%)	8 (30.8%)	22 (36.7%)
Missing	5	1	6	0	0	0
Contact Animal, n (%)	0.27 ¹			0.58 ¹		
No	23 (53.5%)	13 (68.4%)	36 (58.1%)	24 (70.6%)	20 (76.9%)	44 (73.3%)
Yes	20 (46.5%)	6 (31.6%)	26 (41.9%)	10 (29.4%)	6 (23.1%)	16 (26.7%)
Missing	4	1	5	0	0	0
Had Wounds, n (%)	0.25 ¹			0.20 ¹		
No	31 (70.5%)	16 (84.2%)	47 (74.6%)	18 (52.9%)	18 (69.2%)	36 (60.0%)
Yes	13 (29.5%)	3 (15.8%)	16 (25.4%)	16 (47.1%)	8 (30.8%)	24 (40.0%)
Missing	3	1	4			
Social Network, n (%)	0.28 ¹			0.41 ¹		
No	30 (71.4%)	16 (84.2%)	46 (75.4%)	29 (85.3%)	20 (76.9%)	49 (81.7%)
Yes	12 (28.6%)	3 (15.8%)	15 (24.6%)	5 (14.7%)	6 (23.1%)	11 (18.3%)
Missing	5	1	6	0	0	0
Household Crowding, n (%)	0.08 ¹			0.57 ¹		
< 2 People	15 (37.5%)	2 (13.3%)	17 (30.9%)	10 (33.3%)	6 (26.1%)	16 (30.2%)
>2 People	25 (62.5%)	13 (86.7%)	38 (69.1%)	20 (66.7%)	17 (73.9%)	37 (69.8%)
Missing	7	5	12	4	3	7
Personal Hygiene, n (%)	0.06 ¹			0.98 ¹		
Not Sharing	18 (45.0%)	11 (73.3%)	29 (52.7%)	10 (34.5%)	8 (34.8%)	18 (34.6%)
Sharing	22 (55.0%)	4 (26.7%)	26 (47.3%)	19 (65.5%)	15 (65.2%)	34 (65.4%)
Missing	7	5	12	5	3	8
Hand Washing, n (%)	0.97 ¹			0.51 ¹		
<10 times/day	28 (63.6%)	12 (63.2%)	40 (63.5%)	25 (73.5%)	21 (80.8%)	46 (76.7%)
>10 times/day	16 (36.4%)	7 (36.8%)	23 (36.5%)	9 (26.5%)	5 (19.2%)	14 (23.3%)
Missing	3	1	4	0	0	0

¹Chi-Square p-value; ²Fisher Exact p-value

Table S5. Population Characteristics based on birthplace and USA300 Genotype.

	USA300			P-value	Non-USA300			P-value
	US Born (N=38)	Non-US Born (N=13)	Total (N=51)		US Born (N=43)	Non-US Born (N=33)	Total (N=76)	
Gender, n (%)				0.69 ¹				0.99 ¹
Female	17 (44.7%)	5 (38.5%)	22 (43.1%)		17 (39.5%)	13 (39.4%)	30 (39.5%)	
Male	21 (55.3%)	8 (61.5%)	29 (56.9%)		26 (60.5%)	20 (60.6%)	46 (60.5%)	
Race, n (%)				0.03 ²				0.12 ²
Black	13 (50.0%)	0 (0.0%)	13 (40.6%)		14 (42.4%)	3 (18.8%)	17 (34.7%)	
White	7 (26.9%)	2 (33.3%)	9 (28.1%)		10 (30.3%)	4 (25.0%)	14 (28.6%)	
Other	6 (23.1%)	4 (66.7%)	10 (31.3%)		9 (27.3%)	9 (56.3%)	18 (36.7%)	
Missing	12	7	19		10	17	27	
Ethnicity, n (%)				0.50 ²				0.01 ²
Hispanic	22 (61.1%)	10 (76.9%)	32 (65.3%)		21 (53.8%)	23 (85.2%)	44 (66.7%)	
Non-Hispanic	14 (38.9%)	3 (23.1%)	17 (34.7%)		18 (46.2%)	4 (14.8%)	22 (33.3%)	
Missing	2	0	2		4	6	10	
Age, n (%)				0.93 ²				0.02 ²
<19 Years	3 (7.9%)	0 (0.0%)	3 (5.9%)		7 (16.3%)	0 (0.0%)	7 (9.2%)	
19-45 Years	22 (57.9%)	9 (69.2%)	31 (60.8%)		21 (48.8%)	22 (66.7%)	43 (56.6%)	
45-65 Years	11 (28.9%)	4 (30.8%)	15 (29.4%)		12 (27.9%)	11 (33.3%)	23 (30.3%)	
> 65 Years	2 (5.3%)	0 (0.0%)	2 (3.9%)		3 (7.0%)	0 (0.0%)	3 (3.9%)	
Marital Status, n (%)				0.01 ²				0.0001 ¹

Couple	8 (21.1%))	8 (66.7%)	16 (32.0%)	8 (18.6%)	20 (62.5%)	28 (37.3%)
Single	30 (78.9%))	4 (33.3%)	34 (68.0%)	35 (81.4%)	12 (37.5%)	47 (62.7%)
Missing	0	1	1	0	1	1
Education, n (%)	0.03 ²					0.03 ²
High School or Below	24 (63.2%))	9 (75.0%)	33 (66.0%)	30 (71.4%)	21 (63.6%)	51 (68.0%)
College	12 (31.6%))	0 (0.0%)	12 (24.0%)	9 (21.4%)	3 (9.1%)	12 (16.0%)
Bachelor or Above	2 (5.3%)	3 (25.0%)	5 (10.0%)	3 (7.1%)	9 (27.3%)	12 (16.0%)
Missing	0	1	1	1	0	1
Healthcare Insurance, n (%)	0.0004 ²					0.002 ¹
Private or other	9 (23.7%))	3 (25.0%)	12 (24.0%)	5 (11.6%)	7 (21.9%)	12 (16.0%)
Public	26 (68.4%))	2 (16.7%)	28 (56.0%)	33 (76.7%)	12 (37.5%)	45 (60.0%)
none	3 (7.9%)	7 (58.3%)	10 (20.0%)	5 (11.6%)	13 (40.6%)	18 (24.0%)
Missing	0	1	1	0	1	1
Self-Rated Health, n (%)	0.68 ²					0.83 ²
Fair	11 (29.7%))	3 (25.0%)	14 (28.6%)	11 (27.5%)	8 (24.2%)	19 (26.0%)
Good	22 (59.5%))	9 (75.0%)	31 (63.3%)	28 (70.0%)	23 (69.7%)	51 (69.9%)
Poor	4 (10.8%))	0 (0.0%)	4 (8.2%)	1 (2.5%)	2 (6.1%)	3 (4.1%)
Missing	1	1	2	3	0	3
Income, n (%)	0.21 ²					1.00 ²
=>\$40,000	2 (6.5%)	2 (22.2%)	4 (10.0%)	4 (12.9%)	3 (13.0%)	7 (13.0%)
< \$40,000	29 (93.5%))	7 (77.8%)	36 (90.0%)	27 (87.1%)	20 (87.0%)	47 (87.0%)

Missing	7	4	11	12	10	22	
First Time Infection, n (%)				0.47 ²			0.49 ¹
No	12 (32.4%)	2 (16.7%)	14 (28.6%)	11 (28.2%)	7 (21.2%)	18 (25.0%)	
Yes	25 (67.6%)	10 (83.3%)	35 (71.4%)	28 (71.8%)	26 (78.8%)	54 (75.0%)	
Missing	1	1	2	4	0	4	
Crowding Life Environment, n (%)				0.70 ²			0.20 ¹
Yes	25 (73.5%)	10 (83.3%)	35 (76.1%)	22 (55.0%)	23 (69.7%)	45 (61.6%)	
No	9 (26.5%)	2 (16.7%)	11 (23.9%)	18 (45.0%)	10 (30.3%)	28 (38.4%)	
Missing	4	1	5	3	0	3	
Healthcare Exposure, N (%)				0.73 ²			0.23 ¹
Yes	12 (34.3%)	3 (25.0%)	15 (31.9%)	18 (43.9%)	10 (30.3%)	28 (37.8%)	
No	23 (65.7%)	9 (75.0%)	32 (68.1%)	23 (56.1%)	23 (69.7%)	46 (62.2%)	
Missing	3	1	4	2	0	2	
Contact Animal, n (%)				0.74 ¹			0.12 ¹
Yes	16 (44.4%)	6 (50.0%)	22 (45.8%)	14 (34.1%)	6 (18.2%)	20 (27.0%)	
No	20 (55.6%)	6 (50.0%)	26 (54.2%)	27 (65.9%)	27 (81.8%)	54 (73.0%)	
Missing	2	1	3	2	0	2	
Had Wounds, n (%)				0.47 ²			0.14 ¹
Yes	11 (29.7%)	2 (16.7%)	13 (26.5%)	18 (43.9%)	9 (27.3%)	27 (36.5%)	
No	26 (70.3%)	10 (83.3%)	36 (73.5%)	23 (56.1%)	24 (72.7%)	47 (63.5%)	

Missing	1	1	2	2	0	2	
Social Network, n (%)				1.00 ²			0.54 ¹
Yes	6 (16.7%)	2 (16.7%)	8 (16.7%)	11 (27.5%)	7 (21.2%)	18 (24.7%)	
No	30 (83.3%)	10 (83.3%)	40 (83.3%)	29 (72.5%)	26 (78.8%)	55 (75.3%)	
Missing	2	1	3	3	0	3	
Household Crowding, n (%)				0.41 ²			0.13 ¹
<2 People	9 (27.3%)	1 (10.0%)	10 (23.3%)	16 (43.2%)	7 (25.0%)	23 (35.4%)	
>2 People	24 (72.7%)	9 (90.0%)	33 (76.7%)	21 (56.8%)	21 (75.0%)	42 (64.6%)	
Missing	5	3	8	6	5	11	
Personal Hygiene, n (%)				0.29 ²			0.44 ¹
Not Sharing	16 (48.5%)	7 (70.0%)	23 (53.5%)	12 (33.3%)	12 (42.9%)	24 (37.5%)	
Sharing	17 (51.5%)	3 (30.0%)	20 (46.5%)	24 (66.7%)	16 (57.1%)	40 (62.5%)	
Missing	5	3	8	7	5	12	
Washing Hands, n (%)				0.30 ²			0.92 ¹
<10 times/day	24 (64.9%)	10 (83.3%)	34 (69.4%)	29 (70.7%)	23 (69.7%)	52 (70.3%)	
>10 times/day	13 (35.1%)	2 (16.7%)	15 (30.6%)	12 (29.3%)	10 (30.3%)	22 (29.7%)	
Missing	1	1	2	2	0	2	

¹Chi-Square p-value; ²Fisher Exact p-value

Table S6. Molecular characteristics of wound identified as *Staphylococcus aureus* by birthplace and type.

	MRSA				MSSA			
	US born (N=47)	Non-US born (N=20)	Total (N=67)	P-value ¹	US born (N=34)	Non-US born (N=26)	Total (N=60)	P-value ¹
mecA Gene from <i>S. aureus</i> Wound, n (%)	1.00				0.62			
Positive	42 (91.3%)	18 (90.0%)	60 (90.9%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
Negative	4 (8.7%)	2 (10.0%)	6 (9.1%)		27 (87.1%)	25 (92.6%)	52 (89.7%)	
Not Determined	0 (0.0%)	0 (0.0%)	0 (0.0%)		3 (9.7%)	1 (3.8%)	4 (7.0%)	
Missing	1	0	1		3	0	3	
ACME Gene from <i>S. aureus</i> Wound, n (%)	0.25				0.44			
Negative	16 (34.8%)	11 (55.0%)	27 (40.9%)		26 (83.9%)	25 (96.2%)	51 (89.5%)	
Type I	29 (63.0%)	9 (45.0%)	38 (57.6%)		2 (6.5%)	0 (0.0%)	2 (3.5%)	
Type III	1 (2.2%)	0 (0.0%)	1 (1.5%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
Not Determined					3 (9.7%)	1 (3.8%)	4 (7.0%)	
Missing	1	0	1		3	0	3	
SCCmec Gene from <i>S. aureus</i> Wound, n (%)	0.90				1.00			
Negative	0 (0.0%)	1 (5.0%)	1 (1.5%)		1 (3.2%)	0 (0.0%)	1 (1.8%)	
Iva	35 (76.1%)	17 (85.0%)	52 (78.8%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
IVb	1 (2.2%)	0 (0.0%)	1 (1.5%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
IVc	2 (4.3%)	1 (5.0%)	3 (4.5%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
IVg	1 (2.2%)	0 (0.0%)	1 (1.5%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
IVh	1 (2.2%)	0 (0.0%)	1 (1.5%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
Not Determined	4 (8.7%)	1 (5.0%)	5 (7.6%)		30 (96.8%)	26 (100.0%)	56 (98.2%)	
Novel Type	2 (4.3%)	0 (0.0%)	2 (3.0%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
Missing	1	0	1		3	0	3	
PVL Gene from <i>S. aureus</i> Wound, n (%)	0.54				0.77			
Positive	36 (78.3%)	14 (70.0%)	50 (75.8%)		11 (35.5%)	9 (34.6%)	20 (35.1%)	
Negative	10 (21.7%)	6 (30.0%)	16 (24.2%)		17 (54.8%)	16 (61.5%)	33 (57.9%)	
Not Determined	0 (0.0%)	0 (0.0%)	0 (0.0%)		3 (9.7%)	1 (3.8%)	4 (7.0%)	
Missing	1	0	1		3	0	3	

¹Fisher Exact p-value

Table S7. Molecular characteristics for genotype by birthplace and *Staphylococcus aureus*.

	USA300			P-value	Non-USA300			P-value
	US Born (N=38)	Non-US Born (N=13)	Total (N=51)		US Born (N=43)	Non-US Born (N=33)	Total (N=76)	
mecA Gene from <i>S. aureus</i> Wound, n (%)				0.44 ²				0.73 ²
Positive	30 (81.1%)	9 (69.2%)	39 (78.0%)		12 (30.0%)	9 (27.3%)	21 (28.8%)	
Negative	7 (18.9%)	4 (30.8%)	11 (22.0%)		25 (62.5%)	23 (69.7%)	48 (65.8%)	
Not Determined	0 (0.0%)	0 (0.0%)	0 (0.0%)		3 (7.5%)	1 (3.0%)	4 (5.5%)	
Missing	1	0	1		3	0	3	
ACME Gene from <i>S. aureus</i> Wound, n (%)				0.23 ²				0.76 ²
Negative	8 (21.6%)	6 (46.2%)	14 (28.0%)		34 (85.0%)	30 (90.9%)	64 (87.7%)	
Not Determined	0 (0.0%)	0 (0.0%)	0 (0.0%)		3 (7.5%)	1 (3.0%)	4 (5.5%)	
Type I	28 (75.7%)	7 (53.8%)	35 (70.0%)		3 (7.5%)	2 (6.1%)	5 (6.8%)	
Type III	1 (2.7%)	0 (0.0%)	1 (2.0%)		0 (0.0%)	0 (0.0%)	0 (0.0%)	
Missing	1	0	1		3	0	3	
SCCmec Gene from <i>S. aureus</i> Wound, n (%)				0.69 ²				0.70 ²
Negative	1 (2.7%)	0 (0.0%)	1 (2.0%)		0 (0.0%)	1 (3.0%)	1 (1.4%)	
Iva	29 (78.4%)	9 (69.2%)	38 (76.0%)		6 (15.0%)	8 (24.2%)	14 (19.2%)	
IVb	0 (0.0%)	0 (0.0%)	0 (0.0%)		1 (2.5%)	0 (0.0%)	1 (1.4%)	
IVc	1 (2.7%)	0 (0.0%)	1 (2.0%)		1 (2.5%)	1 (3.0%)	2 (2.7%)	
IVg	0 (0.0%)	0 (0.0%)	0 (0.0%)		1 (2.5%)	0 (0.0%)	1 (1.4%)	
IVh	0 (0.0%)	0 (0.0%)	0 (0.0%)		1 (2.5%)	0 (0.0%)	1 (1.4%)	
Not Determined	6 (16.2%)	4 (30.8%)	10 (20.0%)		28 (70.0%)	23 (69.7%)	51 (69.9%)	
Novel Type	0 (0.0%)	0 (0.0%)	0 (0.0%)		2 (5.0%)	0 (0.0%)	2 (2.7%)	
Missing	1	0	1		3	0	3	
PVL Gene from <i>S. aureus</i> Wound, n (%)				0.21 ²				0.74 ²
Positive	32 (86.5%)	9 (69.2%)	41 (82.0%)		15 (37.5%)	14 (42.4%)	29 (39.7%)	

Negative	5 (13.5%)	4 (30.8%)	9 (18.0%)	22 (55.0%)	18 (54.5%)	40 (54.8%)
Not Determined	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (7.5%)	1 (3.0%)	4 (5.5%)
Missing	1	0	1	3	0	3

¹Chi-Square p-value; ²Fisher Exact p-value

Table S8. Ethnic community neighborhoods by race and ethnicity stratified by US-born and non-US born

Community Neighborhood	US Born					Non-US Born				
	Patient Race and Ethnicity					Patient Race and Ethnicity				
	Black (N=27)	White (N=17)	Other (N=15)	Hispanic ¹ (N=43)	Missing (N=22)	Black (N=3)	White (N=6)	Other (N=13)	Hispanic ¹ (N=33)	Missing (N=24)
Americas	0 (0.0%)	0 (0.0%)	2 (15.4%)	2 (4.9%)	0	0 (0.0%)	0 (0.0%)	1 (8.3%)	3 (9.4%)	2
Asia	0 (0.0%)	1 (5.9%)	0 (0.0%)	0 (0.0%)	0	0 (0.0%)	1 (16.7%)	0 (0.0%)	2 (6.3%)	2
Black	15 (55.6%)	5 (29.4%)	5 (38.5%)	9 (22.0%)	4	2 (100.0%)	1 (16.7%)	1 (8.3%)	3 (9.4%)	3
Europe	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1	0 (0.0%)	1 (16.7%)	0 (0.0%)	0 (0.0%)	0
Hispanic	9 (33.3%)	4 (23.5%)	6 (46.2%)	26 (63.4%)	15	0 (0.0%)	3 (50.0%)	8 (66.7%)	19 (59.4%)	12
White	3 (11.1%)	7 (41.2%)	0 (0.0%)	4 (9.8%)	2	0 (0.0%)	0 (0.0%)	2 (16.7%)	5 (15.6%)	5
Missing	0	0	2	2	0	1	0	1	1	0

¹Patients who reported Hispanic ethnicity are not excluded in race counts

Table S9. Distribution of ESRI tapestry segment name by methicillin susceptibility stratified by US-born and non-US born.

Life Mode Group	Neighborhood Segment Name	Description	US Born			Non-US Born		
			MRSA N (%)	MSSA N (%)	p-value	MRSA N (%)	MSSA N (%)	p-value
Upscale Avenues	Enterprising Professionals	White, College Degree	1 (2.2%)	0 (0%)	0.32	0 (0%)	0 (0.0%)	0.29
	Pacific Heights	Asian/Pacific Islander, College Degree	0 (0%)	0 (0%)		1 (5.3%)	0 (0.0%)	
Uptown Individuals	Laptops and Lattes	White, College Degree	0 (0%)	0 (0%)		0 (0%)	1 (4.0%)	
	Trendsetters	White, College Degree	0 (0%)	0 (0%)		0 (0%)	1 (4.0%)	
Middle Ground	City Lights	White, College Degree	2 (4.4%)	0 (0%)		0 (0%)	0 (0.0%)	
	Downtown Melting Pot	White/Asian / Pacific Islander, College Degree	5 (10.9%)	5 (15.2%)		2 (10.5%)	7 (28.0%)	
Senior Styles	Golden Years	White, College Degree	0 (0%)	0 (0%)		1 (5.3%)	0 (0.0%)	
	Social Security Set	White/Black, HS Diploma Only	0 (0%)	1 (3.0%)		0 (0%)	0 (0.0%)	
Midtown Singles	City Strivers	Black, HS Diploma Only	4 (8.7%)	6 (18.2%)		2 (10.5%)	3 (12.0%)	
Hometown	Family Foundations	Black, HS Diploma Only	0 (0%)	0 (0%)		1 (5.3%)	0 (0.0%)	
Next Wave	High Rise Renters	Hispanic, No HS Diploma	31 (67.4%)	21 (63.6%)		9 (47.4%)	8 (32.0%)	
	International Marketplace	Hispanic, No HS Diploma	3 (6.5%)	0 (0%)		1 (5.3%)	5 (20.0%)	

	Las Casas	Hispanic, No HS Diploma	0 (0%)	0 (0%)	1 (5.3%)	0 (0.0%)
	NeWest Residents	Hispanic, No HS Diploma	0 (0%)	0 (0%)	1 (5.3%)	0 (0.0%)
	Missing	Unclassified	Insufficient data for classification	0	0	1