

Supplemental Materials.

Supplemental Table S1. Etiologies of Microorganisms

Microorganisms	Number	Percentage (%)
<b>Gram-negative bacili</b>	<b>250</b>	<b>63.0</b>
<i>Escherichia coli</i>	144	36.3
<i>Klebsiella pneumoniae ssp pneumoniae</i>	27	6.8
<i>Enterobacter cloacae complex</i>	10	2.5
<i>Proteus mirabilis</i>	10	2.5
<i>Pseudomonas aeruginosa</i>	10	2.5
<i>Bacteroides fragilis</i>	6	1.5
<i>Salmonella species</i>	6	1.5
<i>Klebsiella oxytoca</i>	5	1.3
<i>Aeromonas hydrophila</i>	4	1.0
<i>Acinetobacter baumannii/calcoaceticus complex</i>	3	0.8
<i>Citrobacter koseri</i>	3	0.8
<i>Serratia marcescens</i>	3	0.8
<i>Aeromonas caviae</i>	2	0.5
<i>Campylobacter coli</i>	2	0.5
<i>Enterobacter cloacae</i>	2	0.5
<i>Providencia rettgeri</i>	2	0.5
<i>Stenotrophomonas maltophilia</i>	2	0.5
<i>Acinetobacter baumannii</i>	1	0.3
<i>Bacteroides thetaiotaomicron</i>	1	0.3
<i>Campylobacter jejuni</i>	1	0.3
<i>Citrobacter freundii</i>	1	0.3
<i>Klebsiella pneumoniae</i>	1	0.3
<i>Klebsiella pneumoniae ssp ozaenae</i>	1	0.3
<i>Leptotrichia goodfelloeii</i>	1	0.3
<i>Morganella morganii</i>	1	0.3
<i>Ralstonia pickettii</i>	1	0.3
<b>Gram-positive cocci</b>	<b>134</b>	<b>33.8</b>
<i>Staphylococcus aureus</i>	28	7.1
<i>Staphylococcus capitis</i>	20	5.0
<i>Staphylococcus epidermidis</i>	11	2.8
<i>Staphylococcus hominis</i>	11	2.8
<i>Streptococcus dysgalactiae</i>	8	2.0
<i>Streptococcus agalactiae (Strep. group B)</i>	7	1.8
<i>Enterococcus faecalis</i>	5	1.3
<i>Streptococcus anginosus</i>	5	1.3
<i>Staphylococcus haemolyticus</i>	4	1.0
<i>Staphylococcus pettenkoferi</i>	4	1.0
<i>Enterococcus faecium</i>	3	0.8
<i>Enterococcus casseliflavus</i>	2	0.5
<i>Lactococcus garvieae</i>	2	0.5
<i>Micrococcus luteus</i>	2	0.5
<i>Micromonas micros</i>	2	0.5

<i>Staphylococcus lugdunensis</i>	2	0.5
<i>Staphylococcus saprophyticus</i>	2	0.5
<i>Streptococcus agalactiae</i>	2	0.5
<i>Streptococcus gallolyticus</i>	2	0.5
<i>Streptococcus pyogenes</i> (Strep. group A)	2	0.5
<i>Aerococcus viridans</i>	1	0.3
<i>Enterococcus hirae</i>	1	0.3
<i>Staphylococcus caprae</i>	1	0.3
<i>Streptococcus constellatus</i>	1	0.3
<i>Streptococcus cristatus</i>	1	0.3
<i>Streptococcus dysgalactiae</i> ssp <i>equisimilis</i>	1	0.3
<i>Streptococcus gordonii</i>	1	0.3
<i>Streptococcus mitis</i>	1	0.3
<i>Streptococcus oralis</i>	1	0.3
<i>Streptococcus vestibularis</i>	1	0.3
<b>Gram-positive bacilli</b>	<b>11</b>	<b>2.8%</b>
<i>Corynebacterium aurimucosum</i>	2	0.5
<i>Lactobacillus rhamnosus</i>	2	0.5
<i>Arcanobacterium haemolyticum</i>	1	0.25
<i>Corynebacterium afermentans</i>	1	0.25
<i>Corynebacterium argentoratense</i>	1	0.25
<i>Corynebacterium minutissimum</i>	1	0.25
<i>Corynebacterium striatum</i>	1	0.25
<i>Erysipelothrix rhusiopathiae</i>	1	0.25
<i>Solobacterium moorei</i>	1	0.25
<b>Yeast</b>	<b>2</b>	<b>2</b>
<i>Candida glabrata</i>	2	0.5

Supplemental Table S2. SIRS Score Before and After Propensity Score Matching

Variables	Before PS matching (N = 8698)			After PS matching (N =1480)		
	Sepsis	Nonsepsis	P value	Sepsis	Nonsepsis	P value
Number (N)	308	8390		296	1184	
Mean SIRS score	2.6 ± 0.7	1.1 ± 1.0	<0.001	2.5 ± 0.6	1.2 ± 1.0	<0.001
SIRS score ≥ 1	308 (100%)	5528 (65.9%)	<0.001	296 (100%)	843 (71.2%)	<0.001
SIRS score ≥ 2	308 (100%)	2540 (30.3%)	<0.001	296 (100%)	452 (38.2%)	<0.001
SIRS score ≥ 3	141(45.8%)	691 (8.2%)	<0.001	133 (44.9%)	154 (13.0%)	<0.001
SIRS score ≥ 4	27 (8.8%)	61 (0.7%)	<0.001	24 (8.1%)	19 (1.6%)	<0.001

Abbreviations: SIRS, Systemic Inflammatory Response Syndrome; N, number; PS, propensity score.

Supplemental Table S3. Diagnostics for SIRS Score Before and After Propensity Score Matching

Variables	Before PS matching (N = 8698)		After PS matching (N =1480)	
	Sensitivity	Specificity	Sensitivity	Specificity
SIRS score ≥ 1	100.0%	34.1%	100.0%	28.8%
SIRS score ≥ 2	100.0%	69.7 %	100.0%	61.8 %
SIRS score ≥ 3	45.8%	91.8%	44.9%	87.0%
SIRS score ≥ 4	8.8%	99.3%	8.1%	98.4%

Abbreviations: SIRS, Systemic Inflammatory Response Syndrome; N, number; PS, propensity score.