

	Overall	High Risk, ML Sepsis Score (0.5, 1.0]	Medium Risk, ML Sepsis Score [0.25, 0.31)
n	13816	1834	1844
Age (Years)	61.3 [38.3,75.3]	70.9 [59.3,81.1]	69.1 [55.8,80.0]
Male sex, n(%)	5611 (40.6)	999 (54.5)	925 (50.2)
<b>Comorbidity Indices at Admission</b>			
MELD Score >=25	349 (2.5)	185 (10.1)	83 (4.5)
APACHE II	15.0 [11.0,22.8]	16.5 [14.0,25.2]	15.5 [10.8,18.8]
Liver	2658 (19.2)	541 (29.5)	477 (25.9)
Cardiovascular	2426 (17.6)	645 (35.2)	545 (29.6)
Respiratory	4743 (34.3)	980 (53.4)	870 (47.2)
Renal	3415 (24.7)	914 (49.8)	742 (40.2)
Immunocompromised	2204 (16.0)	518 (28.2)	437 (23.7)
<b>Vitals at First ML Sepsis Alert</b>			
SBP, mmHg	—	106.0 [96.0,119.0]	113.0 [102.0,128.5]
MAP, mmHg	—	76.7 [70.7,85.7]	80.0 [73.1,91.3]
Temperature (°C)	—	36.9 [36.6,37.6]	36.8 [36.6,37.3]
Heart rate, beats/min	—	95.0 [81.0,108.0]	90.0 [75.5,101.0]
Respiratory rate, breaths/min	—	20.0 [18.0,23.0]	19.0 [18.0,21.5]
<b>Laboratory Values at First ML Sepsis Alert</b>			
WBC, 10 <sup>9</sup> /L	—	12.6 [8.0,17.2]	9.5 [6.6,13.8]
Glucose, mg/dL	—	128.0 [101.0,168.0]	120.0 [99.0,155.1]
PO2, mmHg	—	112.5 [84.8,168.0]	104.0 [83.5,150.0]
FiO2, %	—	40.0 [32.0,60.0]	32.0 [26.0,44.0]
Creatinine, mg/dL	—	1.2 [0.8,2.0]	1.1 [0.8,1.6]
aPTT, seconds	—	31.4 [28.4,35.9]	31.4 [28.1,35.3]
Platelet Count, 10 <sup>9</sup> /L	—	197.0 [132.0,281.0]	209.0 [150.0,278.0]
Bilirubin Total, mg/dL	—	0.7 [0.5,1.2]	0.6 [0.4,1.1]
Lactate, mmol/L	—	1.6 [1.1,2.5]	1.3 [0.9,1.9]
<b>Sepsis Scores</b>			
LOS, first ML Alert, hrs	—	21.5 [3.0,61.0]	27.5 [7.0,63.0]
Sepsis ICD Assigned, n(%)	884 (6.4)	518 (28.2)	175 (9.5)
Sepsis-3 Definition, n(%)	202 (1.5)	163 (8.9)	33 (1.8)
LOS, Sepsis-3 Definition	57.8 [22.5,140.3]	65.0 [24.5,153.8]	48.5 [16.5,83.5]
qSOFA >=2, n(%)	927 (6.7)	661 (36.0)	160 (8.7)
LOS, first qSOFA Alert, hrs	37.0 [14.5,96.8]	40.0 [12.0,104.5]	38.8 [18.8,99.4]
SIRS >=2, n(%)	6091 (44.1)	1672 (91.2)	1277 (69.3)
LOS, first SIRS Alert, hrs	10.5 [2.0,32.0]	5.0 [0.5,26.5]	9.0 [1.5,31.0]
MEWS >=5, n(%)	1014 (7.3)	669 (36.5)	201 (10.9)
LOS, first MEWS Alert, hrs	20.0 [0.5,69.9]	20.0 [0.5,80.5]	21.5 [3.0,63.5]
<b>Sepsis-Related Interventions</b>			
Blood Culture Order, n(%)	4665 (33.8)	1316 (71.8)	1056 (57.3)
Lactate Lab Order, n(%)	1478 (10.7)	767 (41.8)	324 (17.6)
Antibiotic Administration, n(%)	2241 (16.2)	506 (27.6)	318 (17.2)
Vasopressor and Inotrope Administration, n(%)	546 (4.0)	428 (23.3)	63 (3.4)
Mechanical Ventilation, n(%)	439 (3.2)	334 (18.2)	65 (3.5)

\*median[IQR], unless otherwise specified