

**Supplementary eTable 1: ICD-10 Codes for Infection**

DISCHARGE_DX_CODE	DISCHARGE_DX_DESC
N39.0	Urinary tract infection, site not specified
J18.9	Pneumonia, unspecified organism
B96.20	Unspecified Escherichia coli (E. coli) as the cause of diseases classified elsewhere
N30.00	Acute cystitis without hematuria
J06.9	Acute upper respiratory infection, unspecified
J02.9	Acute pharyngitis, unspecified
B34.9	Viral infection, unspecified
N30.01	Acute cystitis with hematuria
B95.62	Methicillin resistant Staphylococcus aureus infection as the cause of diseases classified elsewhere
L02.91	Cutaneous abscess, unspecified
L08.9	Local infection of the skin and subcutaneous tissue, unspecified
L03.90	Cellulitis, unspecified
L03.119	Cellulitis of unspecified part of limb
J02.0	Streptococcal pharyngitis
J01.90	Acute sinusitis, unspecified
J03.90	Acute tonsillitis, unspecified
A69.20	Lyme disease, unspecified
B96.29	Other Escherichia coli (E. coli) as the cause of diseases classified elsewhere
L02.419	Cutaneous abscess of limb, unspecified
A15.0	Tuberculosis of lung
A05.9	Bacterial foodborne intoxication, unspecified
B97.4	Respiratory syncytial virus as the cause of diseases classified elsewhere
A07.1	Giardiasis (lambliasis)
A03.9	Shigellosis, unspecified
G05.3	Encephalitis and encephalomyelitis in diseases classified elsewhere
A18.01	Tuberculosis of spine

A19.9	Miliary tuberculosis, unspecified
B89	Unspecified parasitic disease
A77.0	Spotted fever due to <i>Rickettsia rickettsii</i>
A17.0	Tuberculous meningitis
A54.00	Gonococcal infection of lower genitourinary tract, unspecified
A18.02	Tuberculous arthritis of other joints
A37.90	Whooping cough, unspecified species without pneumonia
A15.7	Primary respiratory tuberculosis
A15.8	Other respiratory tuberculosis

**Supplementary eTable 2: ICD-10 Codes for Acute Organ Dysfunction**

DISCHARGE_DX_CODE	DISCHARGE_DX_DESC
N17.9	Acute kidney failure, unspecified
E87.2	Acidosis
J96.01	Acute respiratory failure with hypoxia
I95.9	Hypotension, unspecified
R65.21	Severe sepsis with septic shock
N17.0	Acute kidney failure with tubular necrosis
D69.6	Thrombocytopenia, unspecified
N18.6	End stage renal disease
N18.9	Chronic kidney disease, unspecified
N18.3	Chronic kidney disease, stage 3 (moderate)
F05	Delirium due to known physiological condition
G93.41	Metabolic encephalopathy
D68.9	Coagulation defect, unspecified
J96.02	Acute respiratory failure with hypercapnia
N18.4	Chronic kidney disease, stage 4 (severe)
G93.40	Encephalopathy, unspecified
J80	Acute respiratory distress syndrome
R57.0	Cardiogenic shock
K72.00	Acute and subacute hepatic failure without coma
R06.00	Dyspnea, unspecified
R57.8	Other shock
I95.1	Orthostatic hypotension
G93.49	Other encephalopathy
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia
G93.1	Anoxic brain damage, not elsewhere classified
I95.89	Other hypotension
I46.9	Cardiac arrest, cause unspecified

N18.2	Chronic kidney disease, stage 2 (mild)
I46.8	Cardiac arrest due to other underlying condition
K75.81	Nonalcoholic steatohepatitis (NASH)
R40.20	Unspecified coma
R57.1	Hypovolemic shock
D72.819	Decreased white blood cell count, unspecified
R57.9	Shock, unspecified
D65	Disseminated intravascular coagulation (defibrination syndrome)
D68.8	Other specified coagulation defects
N18.5	Chronic kidney disease, stage 5
R40.2213	Coma scale, best verbal response, none, at hospital admission
G72.81	Critical illness myopathy
R06.09	Other forms of dyspnea
D69.3	Immune thrombocytopenic purpura
R40.4	Transient alteration of awareness
R06.89	Other abnormalities of breathing
I46.2	Cardiac arrest due to underlying cardiac condition
J96.91	Respiratory failure, unspecified with hypoxia
R40.2214	Coma scale, best verbal response, none, 24 hours or more after hospital admission
R40.2113	Coma scale, eyes open, never, at hospital admission
R40.0	Somnolence
R40.2212	Coma scale, best verbal response, none, at arrival to emergency department
G62.81	Critical illness polyneuropathy
J96.90	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia
D72.810	Lymphocytopenia
R40.2112	Coma scale, eyes open, never, at arrival to emergency department
R40.2114	Coma scale, eyes open, never, 24 hours or more after hospital admission
R40.2313	Coma scale, best motor response, none, at hospital admission
N18.1	Chronic kidney disease, stage 1
F06.4	Anxiety disorder due to known physiological condition

R40.2343	Coma scale, best motor response, flexion withdrawal, at hospital admission
R40.2312	Coma scale, best motor response, none, at arrival to emergency department
N17.8	Other acute kidney failure
R40.2342	Coma scale, best motor response, flexion withdrawal, at arrival to emergency department
R06.83	Snoring
J96.92	Respiratory failure, unspecified with hypercapnia
R40.2123	Coma scale, eyes open, to pain, at hospital admission
R40.2222	Coma scale, best verbal response, incomprehensible words, at arrival to emergency department
K72.01	Acute and subacute hepatic failure with coma
I67.83	Posterior reversible encephalopathy syndrome
K75.89	Other specified inflammatory liver diseases
R40.2122	Coma scale, eyes open, to pain, at arrival to emergency department
R40.2314	Coma scale, best motor response, none, 24 hours or more after hospital admission
R40.2223	Coma scale, best verbal response, incomprehensible words, at hospital admission
K76.3	Infarction of liver
R40.2344	Coma scale, best motor response, flexion withdrawal, 24 hours or more after hospital admission
F06.1	Catatonic disorder due to known physiological condition
R40.2124	Coma scale, eyes open, to pain, 24 hours or more after hospital admission
R40.3	Persistent vegetative state
K71.9	Toxic liver disease, unspecified
K75.9	Inflammatory liver disease, unspecified
R03.1	Nonspecific low blood-pressure reading
R09.2	Respiratory arrest
R40.2224	Coma scale, best verbal response, incomprehensible words, 24 hours or more after hospital admission
D72.818	Other decreased white blood cell count
K71.0	Toxic liver disease with cholestasis
K71.10	Toxic liver disease with hepatic necrosis, without coma
K75.3	Granulomatous hepatitis, not elsewhere classified
F06.30	Mood disorder due to known physiological condition, unspecified

R40.2324	Coma scale, best motor response, extension, 24 hours or more after hospital admission
F06.31	Mood disorder due to known physiological condition with depressive features
R40.2211	Coma scale, best verbal response, none, in the field (emt or ambulance)
K71.3	Toxic liver disease with chronic persistent hepatitis
R40.1	Stupor
R40.2322	Coma scale, best motor response, extension, at arrival to emergency department
E03.5	Myxedema coma
F06.32	Mood disorder due to known physiological condition with major depressive-like episode
R40.2323	Coma scale, best motor response, extension, at hospital admission
R40.2111	Coma scale, eyes open, never, in the field (emt or ambulance)
R40.2311	Coma scale, best motor response, none, in the field (emt or ambulance)
N17.1	Acute kidney failure with acute cortical necrosis
D69.42	Congenital and hereditary thrombocytopenia purpura
K70.41	Alcoholic hepatic failure with coma
K71.2	Toxic liver disease with acute hepatitis
K71.6	Toxic liver disease with hepatitis, not elsewhere classified
K71.11	Toxic liver disease with hepatic necrosis, with coma
D69.41	Evans syndrome
R40.2221	Coma scale, best verbal response, incomprehensible words, in the field (emt or ambulance)
R40.2321	Coma scale, best motor response, extension, in the field (emt or ambulance)
K71.8	Toxic liver disease with other disorders of liver
D69.49	Other primary thrombocytopenia
N17.2	Acute kidney failure with medullary necrosis
N01.9	Rapidly progressive nephritic syndrome with unspecified morphologic changes
K72.91	Hepatic failure, unspecified with coma
K72.11	Chronic hepatic failure with coma
R40.2120	Coma scale, eyes open, to pain, unspecified time
R40.2340	Coma scale, best motor response, flexion withdrawal, unspecified time
R40.2121	Coma scale, eyes open, to pain, in the field (emt or ambulance)

N00.9	Acute nephritic syndrome with unspecified morphologic changes
F06.2	Psychotic disorder with delusions due to known physiological condition
N01.7	Rapidly progressive nephritic syndrome with diffuse crescentic glomerulonephritis
R40.2210	Coma scale, best verbal response, none, unspecified time
R40.2220	Coma scale, best verbal response, incomprehensible words, unspecified time
F06.34	Mood disorder due to known physiological condition with mixed features
K71.51	Toxic liver disease with chronic active hepatitis with ascites
R40.2341	Coma scale, best motor response, flexion withdrawal, in the field (emt or ambulance)
N00.7	Acute nephritic syndrome with diffuse crescentic glomerulonephritis
F06.0	Psychotic disorder with hallucinations due to known physiological condition
N00.8	Acute nephritic syndrome with other morphologic changes
F06.33	Mood disorder due to known physiological condition with manic features
K71.7	Toxic liver disease with fibrosis and cirrhosis of liver
K75.2	Nonspecific reactive hepatitis
K76.2	Central hemorrhagic necrosis of liver
N01.1	Rapidly progressive nephritic syndrome with focal and segmental glomerular lesions

**Supplemental eTable 3: Charlson Comorbidity Index and Comorbidity Comparison by Patient Type**

Charlson Comorbidity Measure	Cohort A: Sepsis Only (N #= 3297)	Cohort B: COVID-19 Only (N = 6945)	Cohort C: Sepsis + COVID-19 (N = 1153)	Compare Cohort A vs. B	Compare Cohort A vs. C	Compare Cohort B vs. C
	N (Percent)	N (Percent)	N (Percent)	P-value	P-value	P-value
Myocardial Infarction	515 (15.6%)	512 (7.9%)	165 (14.3%)	<.0001	0.2873	<.0001
Congestive Heart Failure	1004 (30.5%)	1162 (17.9%)	275 (23.9%)	<.0001	<.0001	<.0001
Peripheral Vascular Disease	407 (12.3%)	456 (7.0%)	114 (9.9%)	<.0001	0.0255	0.0007
Cerebrovascular Disease	433 (13.1%)	481 (7.4%)	133 (11.5%)	<.0001	0.161	<.0001
Dementia	422 (12.8%)	727 (11.2%)	181 (15.7%)	0.0227	0.0133	<.0001
Paraplegia and Hemiplegia	217 (6.6%)	109 (1.7%)	25 (2.2%)	<.0001	<.0001	0.2485
Chronic Pulmonary Disease	865 (26.2%)	1550 (23.9%)	290 (25.2%)	0.0129	0.4698	0.3763
Connective Tissue - Rheumatic Disease	116 (3.5%)	158 (2.4%)	37 (3.2%)	0.0023	0.6198	0.1277
Peptic Ulcer Disease	115 (3.5%)	54 (0.8%)	17 (1.5%)	<.0001	0.0005	0.037
Mild Liver Disease	420 (12.7%)	388 (6.0%)	89 (7.7%)	<.0001	<.0001	0.0258
Moderate or Severe Liver Disease	168 (5.1%)	89 (1.4%)	28 (2.4%)	<.0001	0.0001	0.0073
Diabetes without Complications	969 (29.4%)	1694 (26.2%)	388 (33.7%)	0.0007	0.0068	<.0001
Diabetes with Complications	764 (23.2%)	1044 (16.1%)	250 (21.7%)	<.0001	0.2992	<.0001
Renal Disease	1085 (32.9%)	1494 (23.1%)	377 (32.7%)	<.0001	0.8953	<.0001
Cancer, any	418 (12.7%)	353 (5.5%)	70 (6.1%)	<.0001	<.0001	0.3979
Metastatic Carcinoma	219 (6.6%)	123 (1.9%)	23 (2.0%)	<.0001	<.0001	0.8285
AIDS/HIV*	33 (1.0%)	19 (0.3%)	2 (0.2%)	<.0001	0.0062	0.4737
CCI^ Index, N (mean)	8170 (2.5)	10413 (1.6)	2464 (2.1)	<.0001	<.0001	<.0001

#N: Number of patients

\*HIV/AIDS: Human Immunodeficiency Virus/ Acquired Immunodeficiency Deficiency Syndrome.

^CCI: Charlson Comorbidity Index, which measures the number of comorbidity conditions that a patient has.

Note: Student's t-test was used for CCI Index. Chi-square test was used all other measures



Supplementary eTable 4: All Lab Result Comparison

Lab Measure	Cohort A: Sepsis Only (N = 3297)	Cohort B: COVID Only (N = 6945)	Cohort C: Sepsis and COVID (N = 1153)	Compare Cohort A vs. B	Compare Cohort A vs. C	Compare Cohort B vs. C
	Median (IQR)	Median (IQR)	Median (IQR)	P-value	P-value	P-value
Sodium	138 (135.3, 141.0)	137.8 (135.7, 139.8)	138.8 (136.3, 142.0)	<.0001	<.0001	<.0001
Potassium	4 (3.7, 4.3)	4 (3.7, 4.3)	4.1 (3.8, 4.5)	0.1636	<.0001	<.0001
Chloride	103.4 (100.0, 107.0)	102.7 (100.0, 105.5)	103.6 (100.9, 107.7)	<.0001	0.0005	<.0001
CO <sub>2</sub>	22.8 (20.3, 25.0)	23.7 (21.9, 25.6)	22.9 (20.8, 25.3)	<.0001	0.0714	<.0001
Anion Gap	11.2 (9.4, 13.8)	11.3 (9.8, 13.2)	11.5 (10.0, 13.8)	<.0001	0.4307	<.0001
BUN	26.4 (16.7, 42.9)	19 (13.0, 29.0)	32.1 (20.2, 49.7)	<.0001	<.0001	<.0001
Creatinine	1.2 (0.8, 2.0)	0.9 (0.7, 1.3)	1.2 (0.9, 2.0)	<.0001	0.4572	<.0001
eGFR_nam	51.5 (31.6, 59.9)	59.9 (50.0, 60.0)	52 (33.4, 59.9)	<.0001	0.343	<.0001
eGFR_am	55.8 (37.7, 60.0)	60 (56.0, 60.0)	56.3 (39.3, 60.0)	<.0001	0.3764	<.0001
Glucose	127.4 (108.5, 164.0)	124.3 (105.8, 162.0)	151.3 (121.0, 196.5)	0.0382	<.0001	<.0001
Calcium	8.4 (8.0, 8.8)	8.7 (8.3, 9.0)	8.4 (8.1, 8.8)	<.0001	0.8554	<.0001
Albumin	3 (2.5, 3.4)	3.4 (3.1, 3.7)	3.1 (2.7, 3.4)	<.0001	0.8973	<.0001
WBC	11.9 (8.7, 15.7)	7.2 (5.4, 9.7)	10.1 (7.5, 14.1)	<.0001	<.0001	<.0001
HGB	9.7 (8.4, 11.5)	12.1 (10.5, 13.4)	11.3 (9.3, 12.9)	<.0001	<.0001	<.0001
HCT	30.3 (26.5, 35.4)	36.8 (32.2, 40.3)	34.6 (29.2, 39.3)	<.0001	<.0001	<.0001
Platelet	221 (149.8, 305.8)	226.7 (172.5, 293.0)	223.6 (163.0, 288.5)	0.1058	0.7297	0.1047
Rel_Bands	7 (3.0, 13.2)	3.5 (2.0, 7.0)	5.8 (2.9, 12.0)	<.0001	0.0004	<.0001
Bilirubin	0.8 (0.5, 1.2)	0.6 (0.4, 0.8)	0.7 (0.5, 1.0)	<.0001	<.0001	<.0001
Lactate	2.2 (1.6, 3.2)	1.5 (1.2, 1.9)	1.9 (1.5, 2.9)	<.0001	0.0007	<.0001
CRP	12 (5.9, 19.7)	5.1 (2.2, 9.2)	9.4 (5.5, 15.4)	<.0001	0.0125	<.0001
D-Dimer	990 (12.4, 3308.0)	192.5 (1.5, 490.5)	200.3 (2.3, 1139.3)	<.0001	<.0001	<.0001
INR	1.3 (1.2, 1.6)	1.2 (1.1, 1.3)	1.2 (1.1, 1.4)	<.0001	<.0001	<.0001
CPK	103 (43.0, 346.5)	111 (56.0, 256.0)	184.4 (67.2, 441.0)	<.0001	0.0047	0.8916
Ferritin	396 (172.0, 912.0)	447.9 (202.0, 910.5)	730 (335.0, 1482.0)	0.0002	0.8552	<.0001
Troponin_T_HS	56 (25.7, 130.0)	18.5 (9.5, 41.0)	34.2 (15.0, 85.0)	<.0001	0.1665	<.0001
pH	7.4 (7.3, 7.4)	7.4 (7.4, 7.5)	7.4 (7.3, 7.4)	<.0001	0.0007	<.0001
Bicarb	21.5 (18.0, 25.1)	24.3 (21.5, 28.0)	23.8 (20.7, 27.5)	<.0001	<.0001	0.0261
Base_Excess	1 (-3.9, 3.8)	1.6 (-1.1, 4.4)	1.2 (-2.4, 4.3)	<.0001	0.0254	0.0038
Base_Deficit	5.4 (2.9, 9.1)	3 (1.6, 5.5)	4 (2.3, 6.0)	<.0001	<.0001	0.0141
Magnesium	1.7 (1.5, 1.9)	1.7 (1.6, 1.8)	1.8 (1.6, 2.0)	0.0461	<.0001	<.0001
Bilirubin_I	45.5 (18.0, 123.3)	15 (7.3, 35.0)	32.3 (14.0, 84.5)	<.0001	0.0652	<.0001
Bilirubin_D	0.2 (0.2, 0.5)	0.2 (0.2, 0.2)	0.2 (0.2, 0.4)	<.0001	<.0001	<.0001
AST	33.5 (21.2, 66.0)	32 (22.3, 48.0)	44 (30.8, 71.3)	<.0001	0.8107	<.0001
ALT	26 (16.0, 51.0)	26.2 (17.0, 44.8)	36 (22.4, 63.5)	<.0001	0.4758	<.0001
ALP	98.7 (73.0, 147.1)	71.3 (56.5, 94.1)	77.4 (61.0, 114.8)	<.0001	<.0001	<.0001
Protein	6.3 (5.7, 7.1)	6.7 (6.2, 7.2)	6.4 (5.9, 6.9)	<.0001	0.3863	<.0001
LDH	262 (193.5, 415.0)	284.8 (214.0, 384.0)	381.9 (275.0, 533.4)	<.0001	0.4132	<.0001
RBC	3.4 (2.9, 4.0)	4.2 (3.6, 4.6)	3.9 (3.2, 4.5)	<.0001	<.0001	<.0001

TSH	2 (1.0, 3.8)	1.3 (0.6, 2.4)	1.3 (0.6, 2.6)	<.0001	0.0399	0.1548
PT	15.5 (14.0, 18.0)	14 (13.0, 15.2)	14.8 (13.7, 16.8)	<.0001	<.0001	<.0001
PTT	34.5 (30.0, 43.9)	32.5 (29.5, 37.2)	35.4 (31.0, 46.0)	<.0001	0.0249	<.0001
Phosphate	3.3 (2.7, 4.0)	3.3 (2.8, 3.8)	3.5 (2.9, 4.2)	<.0001	<.0001	<.0001
Lipase	27 (19.0, 46.0)	34 (24.0, 51.0)	33 (22.0, 50.0)	0.02	0.0272	0.2526
FIBRINOGEN	408.3 (255.5,598.3)	498.3 (392.5,598.5)	532 (411.3,600.0)	<.0001	<.0001	<.0001
Amylase	51 (29.0, 131.2)	67.5 (47.5, 96.5)	51 (30.0, 87.0)	0.3137	0.2665	0.3149
PO2	81 (44.0, 118.3)	49.3 (30.5, 78.0)	78.8 (59.0, 98.3)	<.0001	<.0001	<.0001
PCO2	36 (24.5, 44.0)	14 (0.1, 29.0)	27.6 (15.2, 40.0)	<.0001	<.0001	<.0001
O2_SAT	92.8 (77.3, 97.0)	86.4 (61.0, 95.0)	92.9 (86.5, 95.8)	<.0001	0.0008	<.0001
Lymphocytes	1.1 (0.7, 1.5)	1 (0.7, 1.4)	0.9 (0.6, 1.3)	0.0581	0.4044	0.8564
IG	0.1 (0.1, 0.3)	0.1 (0.0, 0.1)	0.1 (0.1, 0.3)	<.0001	0.7087	<.0001
Abs_IG	1 (0.6, 2.0)	0.7 (0.4, 1.3)	1.2 (0.8, 2.2)	<.0001	0.0825	<.0001
Abs_Neutrophils	9.2 (6.5, 12.3)	5.2 (3.6, 7.4)	7.9 (5.6, 11.0)	<.0001	<.0001	<.0001
Rel_Neutrophils	79.5 (73.1, 85.0)	73.9 (65.5, 81.0)	80.8 (73.9, 86.8)	<.0001	<.0001	<.0001
Seg_Neutrophils	75.7 (63.8, 83.0)	73.5 (61.2, 82.0)	77.2 (66.0, 84.0)	0.0423	0.0042	<.0001
Abs_Bands	1.1 (0.5, 2.1)	0.3 (0.1, 0.6)	0.7 (0.3, 1.6)	<.0001	<.0001	<.0001
Urine_Gravity	1 (1.0, 1.0)	1 (1.0, 1.0)	1 (1.0, 1.0)	0.726	0.0001	<.0001
hCG	3 (0.5, 3.0)	3 (1.5, 5.0)	3 (0.5, 3.0)	0.1247	0.9206	0.4225
Ammonia	34 (24.0, 52.0)	28.8 (18.0, 45.0)	34 (23.0, 47.0)	0.0002	0.5535	0.0186

Note: T-test was performed on each lab measure between two cohorts. Their respective P-values are shown here.

**Supplementary eTable 5: Multivariable Analysis of Factors for Predicting Mortality**

Measure	Cohort A: Sepsis only		Cohort B: COVID-19 only		Cohort C: Sepsis + COVID-19	
	Odds Ratio	P-value	Odds Ratio	P-value	Odds Ratio	P-value
<b>Gender: Female</b>			0.8	0.015		
<b>Marital Status:</b>						
Married	0.4	<.0001	0.8	0.0319		
Single	0.5	<.0001				
Widowed	0.4	<.0001	0.6	0.0017		
Divorced	0.4	<.0001				
Unknown					2.0	0.0259
<b>Race:</b>						
African American			0.7	0.016	0.7	0.0426
<b>Advanced Directive: Yes</b>			1.7	0.0012		
<b>Age (Years):</b>						
Age in 40 - 49	0.7	0.0312			3.8	0.0161
Age in 50 - 59			2.4	0.0049	6.8	0.0002
Age in 60 - 69			3.6	<.0001	10.0	<.0001
Age in 70 - 79			6.0	<.0001	15.2	<.0001
Age in 80 - 89			10.8	<.0001	17.3	<.0001
Age at 90 or greater			20.0	<.0001	23.9	<.0001
<b>Payment Type:</b>						
Medicare Managed Care	0.7	0.0052	1.4	0.005	0.6	0.0044
Self	2.1	0.0386				
<b>Clinical Variables at Admission:</b>						
25 < Admission BMI < 30	0.7	0.0065				
30 <= Admission BMI < 35	0.7	0.0211				
Admission BMI >= 35	0.8	0.0487			1.7	0.0018
120<=Admission Systolic BP<130	0.7	0.0062				
Admission Systolic BP >= 130	0.7	<.0001	0.6	<.0001		
<b>Comorbidity Condition:</b>						
Myocardial Infarction	1.4	0.0016	2.2	<.0001		
Congestive Heart Failure	1.3	0.003			1.7	0.0005
Peripheral Vascular Disease	1.8	<.0001				
Cerebrovascular Disease	1.6	0.0001	1.6	0.0023		
Chronic Pulmonary Disease	1.4	0.0022				
Mild Liver Disease	1.7	0.0004				
Diabetes without Complications			1.4	0.002		
Paraplegia and Hemiplegia	1.4	0.038			2.4	0.0451
Renal Disease	1.4	0.0013	1.5	0.0005	1.4	0.0272
Cancer	1.8	<.0001				
Moderate or Severe Liver Disease	2.9	<.0001	3.4	0.0004	6.0	0.0002
Metastatic Carcinoma			2.5	0.0009	3.8	0.0064
<b>Outcome Prevalence: Mortality</b>	22.3%		6.4%		39.2%	
<b>Sample Size</b>	N = 3297		N = 6945		N = 1153	
<b>Model C-statistics</b>	0.697		0.785		0.698	



Supplementary eTable 6: Multivariable Analysis of Factors for Predicting Discharge to Home

Measure	Cohort A: Sepsis only		Cohort B: COVID-19 only		Cohort C: Sepsis + COVID-19	
	Odds Ratio	P-value	Odds Ratio	P-value	Odds Ratio	P-value
<b>Marital Status:</b>						
Married	1.63	<.0001	1.61	<.0001	1.73	0.0011
Widowed	1.66	0.0049				
Unknown	0.31	0.0023				
<b>Race:</b>						
African American			1.19	0.0159	1.54	0.0195
Hispanic			1.50	0.0037		
Asian	2.21	0.0006	1.81	<.0001	1.80	0.0355
Advanced Directive - Yes	0.24	<.0001	0.48	<.0001		
<b>Age (Years):</b>						
Age in 40 - 49			0.72	0.0205	0.39	0.0086
Age in 50 - 59	0.56	0.0003	0.58	<.0001	0.30	0.0003
Age in 60 - 69	0.53	<.0001	0.36	<.0001	0.16	<.0001
Age in 70 - 79	0.36	<.0001	0.21	<.0001	0.07	<.0001
Age in 80 - 89	0.24	<.0001	0.11	<.0001	0.05	<.0001
Age at 90 or greater	0.16	<.0001	0.09	<.0001	0.04	<.0001
<b>Payment Type:</b>						
Medicare Managed Care					1.65	0.026
Medicaid			1.68	0.0111		
Self			4.42	0.0004		
Commercial			2.90	0.0157		
<b>Clinical Variables at Admission:</b>						
25 < Admission BMI <sup>A</sup> < 30	1.31	0.0367	1.38	<.0001	1.58	0.0200
30 <= Admission BMI < 35	1.44	0.0135	1.54	<.0001	1.61	0.0261
Admission BMI >= 35	1.42	0.0126				
120 <= Admission SBP <sup>B</sup> < 130 mmHg	1.89	<.0001				
Admission SBP >= 130 mmHg	1.48	0.0003	1.31	<.0001		
90 <= Admission DBP <sup>C</sup> < 120 mmHg			1.31	0.0038		
<b>Comorbidity Condition:</b>						
Congestive Heart Failure	0.46	<.0001	0.58	<.0001	0.47	0.0017
Cerebrovascular Disease	0.23	<.0001	0.30	<.0001	0.24	0.0007
Dementia	0.45	0.001	0.29	<.0001	0.26	0.0029
Peptic Ulcer Disease	0.25	0.0015	0.32	0.0004		
Diabetes without Complications			0.77	0.0002	0.66	0.019
Diabetes with Complications	0.68	0.0029	0.72	0.0011		
Paraplegia and Hemiplegia	0.18	<.0001	0.14	<.0001		
Renal Disease			0.66	<.0001	0.56	0.0045
Moderate or Severe Liver Disease	0.25	<.0001	0.45	0.0008		
Metastatic Carcinoma	0.40	0.0002	0.54	0.0039		
AIDS/HIV <sup>D</sup>	2.50	0.0211				
<b>Outcome Prevalence: Discharge to Home</b>	18.4%		50.6%		22.0%	
<b>Sample Size</b>	N = 3297		N = 6945		N = 1153	
<b>Model C-statistics</b>	0.784		0.821		0.82	

<sup>a</sup>BMI: Body Mass Index

<sup>b</sup>SBP: Systolic Blood Pressure

<sup>c</sup>DBP: Diastolic Blood Pressure

<sup>d</sup>HIV/AIDS: Human Immunodeficiency Virus/Acquired Immunodeficiency Syndrome