Table 1: Definition of Sepsis Syndrome

Term	Definition
Sepsis syndrome	Sepsis, severe sepsis or septic shock
Sepsis	Systemic Inflammatory Response Syndrome (SIRS) in the presence of, or as a result of, suspected or proven infection
SIRS	The presence of at least two of the following four criteria, one of which must be abnormal temperature or leukocyte count: • Core temperature of > 38.5°C or < 36°C.
	 Tachycardia, defined as a mean heart rate > 2 SD above normal for age in the absence of external stimulus, chronic drugs, or painful stimuli; or otherwise unexplained persistent elevation over a 0.5-to 4-hr time period OR for children <1 yr old: bradycardia, defined as a mean heart rate <10th percentile for age in the absence of external vagal stimulus, β- blocker drugs, or congenital heart disease; or otherwise unexplained persistent depression over a 0.5-hr time period.
	 Mean respiratory rate > 2 SD above normal for age or mechanical ventilation for an acute process not related to underlying neuromuscular disease or the receipt of general anesthesia. Leukocyte count elevated or depressed for age (not secondary to
lafa dia	chemotherapy-induced leukopenia) or > 10% immature neutrophils.
Infection	A suspected or proven (by positive culture, tissue stain, or polymerase chain reaction
	test) infection caused by any pathogen OR a clinical syndrome associated with a high probability of infection. Evidence of infection includes positive findings on clinical exam,
	imaging, or laboratory tests (e.g., white blood cells in a normally sterile body fluid,
	perforated viscus, chest radiograph consistent with pneumonia, petechial or purpuric
	rash, or purpura fulminans).
Suspected	Infection is suspected when one of the following is documented:
infection	Orders for antibiotics OR
	Antibiotics administered OR
	Orders for urine, blood or spinal culture OR
	Urine, blood or spinal culture drawn OR
	Chart notation of:
	"Rule out infection" OR
	"Suspected infection" OR "Bulls and consis" OR
	"Rule out sepsis" OR "Supported consis"
Severe sepsis	"Suspected sepsis" Sepsia plus and of the followings conditionable organ ductionation OR courts.
Severe sepsis	Sepsis plus one of the following: cardiovascular organ dysfunction OR acute respiratory distress syndrome OR two or more other organ dysfunctions.
	respiratory distress syndrome Ort two or more other organ dysidrictions.

Term	Definition
Organ	Cardiovascular
dysfunctions	 Despite administration of isotonic intravenous fluid bolus ≥ 40 mL/kg in 1 hour, Decrease in BP (hypotension) < 5th percentile for age or systolic BP < 2 SD below normal for age
	 OR Need for vasoactive drug to maintain BP in normal range (dopamine > 5 μg/kg/min or dobutamine, epinephrine, or norepinephrine at any dose) OR
	 Two of the following: Unexplained metabolic acidosis: base deficit > 5.0 mEq/L Increased arterial lactate > 2 times upper limit of normal Oliguria: urine output < 0.5 mL/kg/hr Prolonged capillary refill: > 5 seconds Core to peripheral temperature gap > 3°C
	Respiratory
	 PaO2/FIO2 < 300 in absence of cyanotic heart disease or preexisting lung disease
	OR
	 PaCO2 > 65 torr or 20 mm Hg over baseline PaCO2 OR
	 Proven need or > 50% FIO₂ to maintain saturation ≥ 92% OR
	 Need for non-elective invasive or noninvasive mechanical ventilation
	Neurologic
	Glasgow Coma Score ≤ 11
	OR
	 Acute change in mental status with a decrease in Glasgow Coma Score ≥ 3 points from abnormal baseline
	Platelet count < 80,000/mm ³ or a decline of 50% in platelet count from highest value recorded over the past 3 days (for chronic
	hematology/oncology patients) OR
	International normalized ratio >2
	Renal
	 Serum creatinine ≥ 2 times upper limit of normal for age or 2-fold increase in baseline creatinine
	Hepatic
	 Total bilirubin ≥ 4 mg/dL (not applicable for newborn) OR
	ALT 2 times upper limit of normal for age
Septic Shock	Sepsis and cardiovascular organ dysfunction

Table 2: Codes to Identify Sepsis Syndrome

Condition Name	ICD-9 Code(s)
Septicemia	038.xx
Streptococcal septicemia	038.0
Staphylococcal septicemia Staphylococcal septicemia	038.1
Staphylococcal septicemia, unspecified	038.10
Methicillin susceptible Staphylococcus aureus septicemia	038.11
Methicillin resistant Staphylococcus aureus septicemia	038.12
Other staphylococcal septicemia	038.19
Pneumococcal septicemia [Streptococcus pneumoniae septicemia]	038.2
Septicemia due to anaerobes	038.3
Septicemia due to other gram-negative organisms	038.4
Septicemia due to gram-negative organism, unspecified	038.40
Septicemia due to Haemophilus influenzae [H. influenzae]	038.41
Septicemia due to escherichia coli [E. coli]	038.42
Septicemia due to pseudomonas	038.43
Septicemia due to serratia	038.44
Other septicemia due to gram-negative organisms	038.49
Other specified septicemias	038.8
Unspecified septicemia	038.9
Severe sepsis	995.92
Sepsis	995.91
Septicemia [sepsis] of newborn	771.81
Systemic inflammatory response syndrome due to non-infectious process with acute	995.94
organ dysfunction	
Bacteremia	790.7
Septic shock	785.52