











Recall SIRS

Systemic Inflammatory Response Syndrome "S.I.R.S."

2 or more of the following due to injury

- heart rate > 90
- respiratory rate > 20 or PaCO₂ < 32
- T > 38.3 C or < 36 C
- WBC >12,000 or < 4,000 or >10% immature (bands)









Sequential [Sepsis-Related] Organ Failure Assessment (SOFA)

http://clincalc.com/IcuMortality/SOFA.aspx

An increase in the score \geq 2 points associated with in-hospital mortality $>\!10\%$

Seque	ntial [Se	psis-Rela	ted] Organ	Failure Assessn	nent Score
	0	1	2	3	4
P/F ratio	<u>≥</u> 400	<400	<300	<200 with respiratory support	<100 with respiratory support
Platelets	<u>></u> 150	<150	<100	<50	<20
Bilirubin	<20	20-32	33-101	102-204	> 204
МАР	<u>≥</u> 70	<70	Dopamine <5 or dobutamine (any dose)*	Dopamine 5.1-15 or epinephrine ≤ 0.1 or norepinephrine $\leq 0.1^*$	Dopamine > 15 or epinephrine > 0.1 or norepinephrine > 0.1*
GCS	15	13-14	10-12	6-9	<6
Creatinine	<110	110-170	171-299	300-440	440
Urine Volume				<500 ml/day	<200 ml/day
*Catecholamin	es in μ/kg/	min for at lea	ast one hour		
Record the wo	orst score fo	or each physi	ological variab	le in 24 hours	

CCIS Organ Dysfunction Multiple Organ Dysfunction (MODS) Scale

MODS Calculator

	Multi	ple Orgar	Dysfunctio	on (MODS) Scoi	re
	0	1	2	3	4
P/F ratio	<u>300-1000</u>	226-300	151-225	76-150	0-75
Platelets	<u>>120</u>	81-120	51-80	21-50	<u><</u> 20
Bilirubin	<u><</u> 20	21-60	61-120	121-240	>240
Pressure adjusted HR (HR*CVP/MAP)	<u>0-10</u>	10.1-15	15.1-20	20.1-30	30.1-300
GCS	15	13-14	10-12	7-9	<u>≤</u> 6
Creatinine	<u><</u> 100	101-200	201-350	351-500	>500

MODS Score	
0 points:	ICU Mort 0%, Hosp Mort 0%, ICU Stay 2 Days
1-4 points:	ICU Mort 1-2%, Hosp Mort 7%, ICU Stay 3 Days
5-8 points:	ICU Mort 3-5%, Hosp Mort 16%, ICU Stay 6 Days
9-12 points:	ICU Mort 25%, Hosp Mort 50%, ICU Stay 10 Days
13-16 points:	ICU Mort 50%, Hosp Mort 70%, ICU Stay 17 Days
17-20 points:	ICU Mort 75%, Hosp Mort 82%, ICU Stay 21 Days
21-24 points:	ICU Mort 100%, Hospital Mortality 100%











