

Correlation of Total Score and Hospital Mortality

Unlike other ICU mortality systems, SOFA was not designed to accurately predict mortality, and was originally developed examining ICU mortality (not hospital mortality). While there is no direct conversion of SOFA score to mortality, a rough estimate of mortality risk may be made based on two prospective papers that have been published.^{1,2} Note that this estimation is based on the maximum (highest) SOFA score during a patient's ICU stay.

Maximum SOFA Score	Mortality
0 to 6	< 10%
7 to 9	15 - 20%
10 to 12	40 - 50%
13 to 14	50 - 60%
15	> 80%
15 to 24	> 90%

SOFA Score & Hospital Mortality (%)

SOFA Score	Hospital Mortality (%)
-1	0.0%
0	3.3%
1	5.8%
2	3.8%
3	3.3%
4	7.0%
5	10.0%
6	4.5%
7	15.3%
8	22.5%
9	22.5%
10	45.8%
11	40.0%
12	45.8%
13	60.0%
14	51.5%
15	82.0%
16	87.3%
17	0.0%

REFERENCE: Grissom CK, et al. *Disaster Med Public Health Prep* 2010. 4(4)

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Above: Hospital mortality rate associated with maximum SOFA score. The mortality rate was nearly 90% in patients with a SOFA score of more than 15.¹

