Calculates expected mortality rates at 1, 3, 6 and 12 months in patients with acute on chronic liver failure.

This score should be used in patients with pre-existing chronic liver disease and is not designed or validated for acute liver failure

INTERPRETATION

Probability of death %
1 month / 3 month / 6 month / 1 year given next to score in footer

Probability of death at a given time $= 1 - e^y$
$y = -CI \times exp(\beta \times$ CLIF-C ACLF Score)
CI and β are as follows:

TIME	CUMULATIVE BASELINE HAZARD (CI)	COEFFICIENT (β)
1 month	0.0022	0.0995
3 months	0.0079	0.0869
6 months	0.0115	0.0824
1 year	0.0231	0.0731

CALCULATION

CLIF-C ACLF Score =
10 x (0.33 x CLIF Organ Failure Score + 0.04 x Age$_{years}$ + 0.63 x ln(WBC x10^9 cells/L) -2)

CLIF Organ Failure Score = sum of scores for each question

QUESTION		POINTS
MAP$_{mmHg}$	≥70	+1
	<70	+2
	Any MAP with vasopressors	+3
SpO2/FiO2 ratio or PaO2/FiO2 ratio	>357 / >300	+1
	215-357 / 201-300	+2
	≤214 / 200 / intubated	+3
Bilirubin	<102.6 µmol/L / <6 mg/dL	+1
	102.6 -205.1 µmol/L / 6-11 mg/dL	+2
	≥205.2 µmol/L / ≥12 mg/dL	+3
Creatinine	<176.8 µmol/L / <2 mg/dL	+1
	176.8-309.3 µmol/L / 2-3.4 mg/dL	+2
	≥309.4 µmol/L / ≥3.5 mg/dL	+3
West-Haven hepatic encephalopathy grade (score 3-4 if intubated due to hepatic encephalopathy)	0	+1
	1-2	+2
	3-4	+3
INR	<2.0	+1
	2.0 - 2.4	+2
	≥2.5	+3