

Hashtag so people find it

Key visual (an annotated table)

tagged the journal and others for visibility

John W Scott, MD MPH @DrJohnScott · Apr 23, 2020

Look at Table 5. First it's amazing to see a paper w/ >1,100 vented #Covid19 pts. But of these 1151 vented pts, *at a median follow-up time of 4.5d* only 38 went home, 282 died, while 831 were still hospitalized. 282/(38+282) = 88% mortality. But thats *quite* misleading 📉 (4/x)

Clinical measure	Total discharged alive and dead patients (N = 2634)	Discharged alive			Died			In hospital		
		<18 y (n = 32)	18-65 y (n = 1373)	>65 y (n = 676)	<18 y (n = 0)	18-65 y (n = 134)	>65 y (n = 419)	<18 (n = 14)	18-65 (n = 1565)	>65 (n = 1487)
Invasive mechanical ventilation ^a	320 (12.2)	0	33 (2.4)	5 (0.7)	NA	107 (79.9)	175 (41.8)	4 (28.6)	449 (28.7)	378 (25.4)
ICU care	373 (14.2)	2 (6.3)	62 (4.5)	18 (2.7)	NA	109 (81.3)	182 (43.4)	5 (35.7)	490 (31.3)	413 (27.8)
Absolute lymphocyte count at nadir, median (IQR), ×10 ⁹ /L (reference range, 1.0-3.3)	0.8 (0.5-1.14)	2.3 (1.2-5.0)	0.9 (0.7-1.2)	0.8 (0.5-1.1)	NA	0.5 (0.3-0.8)	0.5 (0.3-0.8)	2.0 (1.0-3.5)	0.7 (0.5-1.0)	0.6 (0.4-0.9)
No.	2626	32	1371	675		134	417	3	1564	1486
Acute kidney injury ^b	523 (22.2)	1 (11.1)	93 (7.5)	82 (13.1)	NA	98 (83.8)	249 (68.4)	2 (14.3)	388 (25.5)	457 (34.5)
No.	2351	8	1237	624		117	364	8	1400	1326
Kidney replacement therapy	81 (3.2)	0	2 (0.1)	1 (0.2)	NA	43 (35.0)	35 (8.8)	0	82 (5.4)	62 (4.4)
Acute hepatic injury ^c	56 (2.1)	0	3 (0.2)	0	NA	25 (18.7)	28 (6.7)	0	21 (1.3)	12 (0.8)
No.			1371	675		134	417	3	1564	1486

JAMA and 7 others

9

157

295

John W Scott, MD MPH @DrJohnScott · Apr 23, 2020

A better conclusion?
- "Among the 1,151 pts who were mechanically ventilated, at a median follow up of 4.5 days, 3% had gone home, 25% had died, & 72% were still in the hospital".
- "The eventual mortality rate will thus range between 25% (282/1151) and 97% (1113/1151)." 📉 (5/7)

7

102

308

Indication that this is a thread (so there is additional information in the tweets before and following)

April 23, 2020

Very Misleading

John Yuill, MD | Hospitalist, Community Hospital, TN

Several media outlets have reported the 88% mortality rate without explaining that the many patients who remained hospitalized at the time the study ended are excluded, and that therefore it is too soon to determine final mortality rate.

See <https://twitter.com/DrJohnScott/status/1253284899752009728> for a cogent explanation of the bias in this study.

—

CONFLICT OF INTEREST: None Reported