

Supplement Table 34. Summary of clinical outcomes from randomized controlled trials evaluating probiotics supplementation in critically ill adults (KQ13)

Author (year)	Group	No.	Mortality		Pneumonia/VAP	Infection	Diarrhea	Constipation	ICU-LOS (mean±SD)
			ICU	28/30 day					
Rongrungruang et al. 2015 [162]	Study	75			18				
	Control	75			22				
Abbasi et al. 2023 [163]	Study	37							21
	Control	36							18
Anadraja et al. 2019 [164]	Study	72			7				7±3.3
	Control	74			8				8±5.18
Barraud et al. 2010 [165]	Study	87		22	23	30	48		18.7±12.4
	Control	80		19	15	30	42		20.2±20.8
Dehghani et al. 2023 [166]	Study	44							17.94±8.66
	Control	48							14.06±2.96
Habib et al. 2020 [167]	Study	32	11		5				
	Control	33	12		7				
Johnstone et al. 2021 [168]	Study	1318	279		289	414	861		
	Control	1332	296		284	418	855		
Kasiri et al. 2023 [169]	Study	40			4		15		7.03±1.19
	Control	40			11		26		7.68±1.44
Litton et al. 2021 [170]	Study	110	4			8			
	Control	108	4			5			
Lu et al. 2024 [171]	Study	12		2	0			2	
	Control	12		4	1			7	
Mahmoodpoor et al. 2018 [172]	Study	48	5		0.66		7		11.6±8
	Control	52	6		0.94		15		18.6±6.3
Malik et al. 2016 [173]	Study	24							10.9±3.9
	Control	25							15.8±7.8
Morrow et al. 2010 [174]	Study	68			17		42		14.8±11.8
	Control	70			33		44		14.6±11.6
Nazari et al. 2020 [175]	Study	73			9				13.35±01.45
	Control	74			33				14.88±01.79
Prasoon et al. 2022 [176]	Study	52			14		0	3	14.2 ± 4.7
	Control	50			30		4	25	17.6 ± 6.5
Tsilika et al. 2022 [177]	Study	59		3	7		0	0	
	Control	53		2	15		2	2	
Wang et al. 2021 [178]	Study	28	5.88		0		12	5	
	Control	33	7		1		8	14	
Zeng et al, 2016 [179]	Study	118	15		43				18±13.33
	Control	117	9		59				22±33.33

ICU, intensive care unit; VAP, ventilator-associated pneumonia; LOS, length of stay; SD, standard deviation.

