

Supplemental Digital Content - Table S2. Predictors of Health-Related Quality of Life (PedsQL) in Children Ages 2 - 17 Six Months After PICU Discharge (n = 398)

Covariates	Total score β (95% CI)	Physical health β (95% CI)	Psychosocial health β (95% CI)	Emotional functioning β (95% CI)	Social functioning β (95% CI)	School functioning β (95% CI)
Income quartiles (ref = High)						
Low	-4.0 (-9.8, 1.7)	-2.6 (-9.7, 4.5)	-4.8 (-10.7, 1.0)	-5.9 (-12.8, 1.1)	-3.4 (-10.6, 3.8)	-7.5 (-15.8, 0.9)
Low Middle	-2.8 (-8.1, 2.4)	-3.9 (-11.0, 3.2)	-2.5 (-7.4, 2.4)	-3.3 (-9.6, 3.1)	-0.4 (-6.1, 5.3)	-8.6* [†] (-15.6, -1.6)
High Middle	-2.8 (-7.43, 1.7)	-1.8 (-7.2, 3.5)	-3.5 (-8.0, 1.1)	-6.0* [†] (-11.9, -0.2)	-1.5 (-7.2, 4.2)	-4.2 (-10.3, 1.9)
Age at follow-up (ref = 2yr to <5yr)						
5yr to <8yr	-8.2* (-13.0, -3.3)	-7.8* (-14.3, -1.2)	-8.2** (-12.9, -3.5)	-8.7** (-13.8, -3.5)	-4.9 (-10.3, -.6)	-8.6* (-16.5, -0.7)
8yr to <13yr	-12.9** (-20.0, -5.8)	-12.3* (-20.9, -3.7)	-13.0** (-19.4, -6.6)	-13.3** (-20.7, -5.8)	-9.3* (-16.1, -2.5)	-14.6** (-22.7, -6.6)
13yr to < 17yr	-9.7** (-13.7, -5.6)	-10.9** (-16.6, -5.2)	-8.8** (-12.5, -5.1)	-9.4** (-14.1, -4.7)	-3.7 (-8.2, 0.8)	-11.6** (-18.4, -4.9)
Preexisting condition	-6.6** (-2.8, -10.5)	-10.0** (-15.3, -4.7)	-4.4* (-7.6, -1.2)	-0.6 (-4.3, 3.2)	-5.7* (-10.0, -1.4)	-8.2** (-13.0, -3.5)
PARDS on day 0/1 ^a (ref = at risk/mild)						
Moderate	-2.4 (-6.8, 2.1)	-2.8 (-7.8, 2.4)	-2.6 (-7.4, 2.3)	-0.8 (-6.7, 5.0)	-5.1* (-9.7, -0.6)	-0.4 (-7.8, 7.0)
Severe	-0.2 (-3.9, 3.6)	1.3 (-4.0, 6.6)	-1.3 (-4.9, 2.2)	-1.4 (-5.2, 2.5)	-3.4 (-7.4, 0.7)	2.3 (-3.4, 8.0)
Duration of mechanical ventilation, per day	-0.02 (-0.4, 0.4)	-0.2 (-0.6, 0.3)	0.08 (-0.3, 0.4)	0.03 (-0.3, 0.4)	0.2 (-0.3, 0.7)	0.02 (-0.4, 0.5)
Organ system dysfunction ^b	-1.6 (-3.2, -0.1)	-1.9 (-3.6, -0.2)	-1.3 (-3.1, 0.4)	-0.5 (-2.9, 1.8)	-1.7 (-3.4, 0.04)	-2.3 (-4.4, -0.2)
Functional status at discharge (ref = age-appropriate)						
Mild disability	-9.1* (-13.5, -4.6)	-13.5** (-19.4, -7.6)	-5.8* (10.4, -1.2)	-0.6 (-6.7, 5.5)	-11.1** (-16.1, -6.1)	-8.7* (-16.8, -0.5)
Moderate disability	-24.3* (-30.1, -18.5)	-36.2** (-44.5, -28.0)	-17.0** (-24.0, -10.0)	-1.6 (-7.9, 4.8)	-29.0** (-36.3, -21.6)	-23.4** (-34.1, -12.6)
Severe disability or vegetative state	-16.0 (-39.7, 7.6)	-31.5 (-75.3, 12.3)	-5.2 (-15.4, 4.9)	10.8** (5.2, 16.3)	-28.6* (-53.a, -4.1)	21.8** (14.0, 29.7)

Abbreviations: PICU, pediatric intensive care unit; CI, confidence interval; PARDS, pediatric acute respiratory distress syndrome.

Higher scores indicate better health-related quality of life.

* $P < .05$

** $P < .001$

^a PARDS severity was defined using the 2015 Pediatric Acute Lung Injury Consensus Conference (PALICC) criteria. (33)

^b Organ system dysfunction was measured continuously; every subject had respiratory dysfunction and dysfunction in up to five additional organ systems. (34)

[†] Small effect size $d < 0.5$