Zinter et al. Cumulative Fluid Balance is Associated with Mortality in Pediatric ARDS in the Setting of Acute Kidney Injury.

Table E2) pRIFLE Classification of AKI on Pediatric ARDS Days 1, 2, and 3 Using Three Different Assumptions

pRIFLE Classification:	None	Risk	Injury	Failure	Significance
Primary AKI Assumption (Baseline CrCl = 120 mL/min/1.73m^2)					
Day 1	**48.7%**	**26.3%**	**11.20%**	**13.9%**	**p=0.026**
Survivors	52.0%	23.6%	11.1%	13.3%	
Non-Survivors	26.5%	44.1%	11.8%	17.7%	
Day 2	**53.7%**	**18.5%**	**13.1%**	**14.7%**	**p=0.003**
Survivors	57.1%	17.7%	12.0%	13.3%	
Non-Survivors	30.3%	24.2%	21.2%	24.2%	
Day 3	**54.6%**	**19.2%**	**11.9%**	**14.2%**	**p<0.001**
Survivors	58.9%	18.6%	10.6%	12.0%	
Non-Survivors	26.5%	23.5%	20.6%	29.4%	
Alternate AKI Assumption 1 (Baseline CrCl = 100 mL/min/1.73m^2)					
Day 1	**64.5%**	**14.7%**	**7.0%**	**13.9%**	p=0.074
Survivors	66.7%	13.8%	6.2%	13.3%	
Non-Survivors	50.0%	20.6%	11.7%	17.7%	
Day 2	**62.3%**	**18.1%**	**5.0%**	**14.6%**	**p=0.002**
Survivors	65.9%	16.8%	4.0%	13.3%	
Non-Survivors	38.2%	26.5%	11.8%	23.5%	
Day 3	**64.2%**	**13.9%**	**7.7%**	**14.2%**	**p=0.001**
Survivors	68.1%	12.4%	7.5%	12.0%	
Non-Survivors	38.2%	23.5%	8.8%	29.4%	
Alternate AKI Assumption 2 (Baseline CrCl = 120 mL/min/1.73m^2 *and* Cr Corrected for Fluid Overload)					
Day 1	**47.1%**	**24.7%**	**13.9%**	**14.3%**	**p=0.025**
Survivors	50.2%	22.7%	13.8%	13.3%	
Non-Survivors	26.5%	38.2%	14.7%	20.6%	
Day 2	**50.0%**	**18.1%**	**16.5%**	**15.4%**	**p=0.001**
Survivors	53.5%	18.6%	14.2%	13.7%	
Non-Survivors	26.5%	14.7%	32.4%	26.5%	
Day 3	**48.9%**	**19.6%**	**14.2%**	**17.3%**	**p<0.001**
Survivors	52.7%	19.0%	13.7%	14.6%	
Non-Survivors	23.5%	23.5%	17.7%	35.3%	

Legend: Significance of PICU mortality according to increasing pRIFLE classification was tested for each assumption on each day of ARDS using the Wilcoxon ranksum non-parametric test across an ordered categorical variable. Cr was corrected for fluid overload using the formula $Cr_{adj}=(Cr)(1+CFB)/TBW$, where CFB is the cumulative fluid balance and TBW (total body water) is equal to $e^{(-2.952 + 0.551*ln(weight) + 0.796 *ln(height)+0.008*age - 0.047*female)}$, where female=1 if sex is female and 0 otherwise.