

Supplementary Table 1.

Deresuscitation Initiation by Number of Pediatric ICU Beds

Comparison of intensivists' to nephrologists' responses to whether the clinical vignette patient is (1) in shock or not in shock and (2) initiation of deresuscitation is appropriate or inappropriate. Time points refer to each stage of ROSE framework. See Figure 1 for framework and timepoint descriptions. Responses were split into two subgroups: number of ICU beds ≥ 26 beds (left three columns) or < 26 beds (right three columns). Cut off of 26 beds was based on median self-reported number of beds.

*Missing data from two nephrologists excluded due to unknown number of PICU beds.

Answer option	≥ 26 PICU beds			< 26 PICU beds		
	Intensivists	Nephrologists	P value	Intensivists	Nephrologists	P value
Case time point 1: Resuscitation Phase						
Patient is in shock Deresuscitation is appropriate	5.6% (4/72)	26.3% (5/19)	< 0.01	7.4% (5/68)	11.1% (2/18)	0.62
Patient is in shock Deresuscitation is inappropriate	93.1% (67/72)	63.2% (12/19)		92.7% (63/68)	88.9% (16/18)	
Patient is not in shock Deresuscitation is appropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is inappropriate	1.4% (1/72)	10.5% (2/19)		0%	0%	
Case time point 2: Optimization Phase						
Patient is in shock Deresuscitation is appropriate	51.4% (37/72)	47.4% (9/19)	0.04	61.8% (42/68)	55.5% (10/18)	0.61
Patient is in shock Deresuscitation is inappropriate	34.7% (25/72)	15.8% (3/19)		17.6% (12/68)	11.1% (2/18)	
Patient is not in shock Deresuscitation is appropriate	6.9% (5/72)	31.6% (6/19)		8.8% (6/68)	16.7% (3/18)	
Patient is not in shock Deresuscitation is inappropriate	6.9% (5/72)	5.3% (1/19)		11.7% (8/68)	16.7% (3/18)	
Case time point 3: Stabilization Phase						
Patient is in shock Deresuscitation is appropriate	38.9% (28/72)	26.3% (5/19)	0.34	27.9% (19/68)	27.8% (5/18)	0.36
Patient is in shock Deresuscitation is inappropriate	2.8% (2/72)	0%		0%	5.6% (1/18)	
Patient is not in shock Deresuscitation is appropriate	55.6% (40/72)	73.7% (14/19)		66.2% (45/68)	61.1% (11/18)	
Patient is not in shock Deresuscitation is inappropriate	2.8% (2/72)	0%		5.9% (4/68)	5.6% (1/18)	
Case time point 4: Evacuation Phase						
Patient is in shock Deresuscitation is appropriate	1.4% (1/72)	0%	0.38	1.5% (1/68)	0%	0.38
Patient is in shock Deresuscitation is inappropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is appropriate	94.4% (68/72)	100% (19/19)		94.1% (64/68)	100% (18/18)	
Patient is not in shock Deresuscitation is inappropriate	4.2% (3/72)	0%		4.4% (3/68)	0%	

Supplementary Table 2.

Deresuscitation Initiation by Years of Experience

Comparison of intensivists' to nephrologists' responses to whether the clinical vignette patient is (1) in shock or not in shock and (2) initiation of deresuscitation is appropriate or inappropriate. Time points refer to each stage of ROSE framework. See Figure 1 for framework and timepoint descriptions. Responses were split into two subgroups: ≥ 7 years of post-training experience (left three columns) or < 7 years of post-training experience (right three columns). Cut off of 7 years was based on median self-reported number of years.

Answer option	≥ 7 years of experience			< 7 years of experience		
	Intensivists	Nephrologists	P value	Intensivists	Nephrologists	P value
Case time point 1: Resuscitation Phase						
Patient is in shock Deresuscitation is appropriate	6.7% (5/75)	16.7% (4/24)	0.08	6.2% (4/65)	20.0% (3/15)	0.16
Patient is in shock Deresuscitation is inappropriate	93.3% (70/75)	79.2% (19/24)		92.3% (60/65)	73.3% (11/15)	
Patient is not in shock Deresuscitation is appropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is inappropriate	0%	4.2% (1/24)		1.5% (1/65)	6.7% (1/15)	
Case time point 2: Optimization Phase						
Patient is in shock Deresuscitation is appropriate	48.0% (36/75)	50.0% (12/24)	0.05	66.2% (43/65)	53.3% (8/15)	0.66
Patient is in shock Deresuscitation is inappropriate	29.3% (22/75)	8.3% (2/24)		23.1% (15/65)	26.7% (4/15)	
Patient is not in shock Deresuscitation is appropriate	10.7% (8/75)	29.2% (7/24)		4.6% (3/65)	13.3% (2/15)	
Patient is not in shock Deresuscitation is inappropriate	12.0% (9/75)	12.5% (3/24)		6.2% (4/65)	6.7% (1/15)	
Case time point 3: Stabilization Phase						
Patient is in shock Deresuscitation is appropriate	26.7% (20/75)	29.2% (7/24)	0.85	41.5% (27/65)	20.0% (3/15)	0.13
Patient is in shock Deresuscitation is inappropriate	1.3% (1/75)	0%		1.5% (1/65)	13.3% (2/15)	
Patient is not in shock Deresuscitation is appropriate	65.3% (49/75)	66.7% (16/24)		55.3% (36/65)	66.7% (10/15)	
Patient is not in shock Deresuscitation is inappropriate	6.7% (5/75)	4.2% (1/24)		1.5% (1/65)	0%	
Case time point 4: Evacuation Phase						
Patient is in shock Deresuscitation is appropriate	1.3% (1/75)	0%	0.32	1.5% (1/65)	0%	0.43
Patient is in shock Deresuscitation is inappropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is appropriate	94.7% (71/75)	100% (24/24)		93.8% (61/65)	100% (15/15)	
Patient is not in shock Deresuscitation is inappropriate	4.0% (3/75)	0%		4.6% (3/65)	0%	

Supplementary Table 3.

Deresuscitation Initiation among Nephrologists Subgroups

From the nephrology cohort only, comparison of responses to whether the clinical vignette patient is (1) in shock or not in shock and (2) initiation of deresuscitation is appropriate or inappropriate. Time points refer to each stage of ROSE framework. See Figure 1 for framework and timepoint descriptions. This table compares nephrologists who self-reported ≥ 26 bed PICU or < 26 bed PICU in left three columns and self-reported ≥ 7 years of experience or < 7 years of experience in right three columns. Subgroups were split into ≥ 26 beds or < 26 beds and ≥ 7 years and < 7 years based on median self-reported number of beds/years of experience.

*Missing data from two nephrologists excluded due to unknown number of PICU beds.

Nephrologists Only						
Answer option	≥ 26 Beds	< 26 beds	P value	≥ 7 years	< 7 years	P value
Case time point 1: Resuscitation Phase						
Patient is in shock Deresuscitation is appropriate	26.3% (5/19)	11.1% (2/18)	0.15	16.7% (4/24)	20.0% (3/15)	0.90
Patient is in shock Deresuscitation is inappropriate	63.2% (12/19)	88.9% (16/18)		79.2% (19/24)	73.3% (11/15)	
Patient is not in shock Deresuscitation is appropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is inappropriate	10.5% (2/19)	0%		4.2% (1/24)	6.7% (1/15)	
Case time point 2: Optimization Phase						
Patient is in shock Deresuscitation is appropriate	47.4% (9/19)	55.6% (10/18)	0.53	50.0% (12/24)	53.3% (8/15)	0.34
Patient is in shock Deresuscitation is inappropriate	15.8% (3/19)	11.1% (3/18)		8.3% (2/24)	26.7% (4/15)	
Patient is not in shock Deresuscitation is appropriate	31.6% (6/19)	16.7% (3/18)		29.2% (7/24)	13.3% (2/15)	
Patient is not in shock Deresuscitation is inappropriate	5.3% (1/19)	16.7% (3/18)		12.5% (3/24)	6.7% (1/15)	
Case time point 3: Stabilization Phase						
Patient is in shock Deresuscitation is appropriate	26.3% (5/19)	27.8% (5/18)	0.51	29.1% (7/24)	20.0% (3/15)	0.25
Patient is in shock Deresuscitation is inappropriate	0%	5.6% (1/18)		0%	13.3% (2/15)	
Patient is not in shock Deresuscitation is appropriate	73.7% (14/19)	61.1% (11/18)		66.7% (16/24)	66.7% (10/15)	
Patient is not in shock Deresuscitation is inappropriate	0%	5.6% (1/18)		4.2% (1/24)	0%	
Case timepoint 4: Evacuation Phase						
Patient is in shock Deresuscitation is appropriate	0%	0%	1.0	0%	0%	1.0
Patient is in shock Deresuscitation is inappropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is appropriate	100% (19/19)	100% (18/18)		100% (24/24)	100% (15/15)	
Patient is not in shock Deresuscitation is inappropriate	0%	0%		0%	0%	

Supplementary Table 4.

Deresuscitation Initiation among Intensivists Subgroups

From the intensivist cohort only, comparison of responses to whether the clinical vignette patient is (1) in shock or not in shock and (2) initiation of deresuscitation is appropriate or inappropriate. Time points refer to each stage of ROSE framework. See Figure 1 for framework and timepoint descriptions. This table compares intensivists who self-reported ≥ 26 bed PICU or < 26 bed PICU in left three columns and self-reported ≥ 7 years of experience or < 7 years of experience in right three columns. Subgroups were split into ≥ 26 beds or < 26 beds and ≥ 7 years and < 7 years based on median self-reported number of beds/years of experience.

Intensivists Only						
Answer option	≥ 26 Beds	< 26 beds	P value	≥ 7 years	< 7 years	P value
Case time point 1: Resuscitation Phase						
Patient is in shock Deresuscitation is appropriate	5.6% (4/72)	7.4% (5/68)	0.57	6.7% (5/75)	6.2% (4/65)	0.46
Patient is in shock Deresuscitation is inappropriate	93.1% (67/72)	92.7% (63/68)		93.3% (70/75)	92.3% (60/65)	
Patient is not in shock Deresuscitation is appropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is inappropriate	1.4% (1/72)	0%		0%	1.5% (1/65)	
Case time point 2: Optimization Phase						
Patient is in shock Deresuscitation is appropriate	51.4% (37/72)	61.8% (42/68)	0.14	48.0% (36/75)	66.2% (43/65)	0.13
Patient is in shock Deresuscitation is inappropriate	34.7% (25/72)	17.6% (12/68)		29.3% (22/75)	23.1% (15/65)	
Patient is not in shock Deresuscitation is appropriate	6.9% (5/72)	8.8% (6/68)		10.7% (8/75)	4.6% (3/65)	
Patient is not in shock Deresuscitation is inappropriate	6.9% (5/72)	11.8% (8/68)		12.0% (9/75)	6.2% (4/65)	
Case time point 3: Stabilization Phase						
Patient is in shock Deresuscitation is appropriate	38.9% (28/72)	27.9% (19/68)	0.21	26.7% (20/75)	41.5% (27/65)	0.16
Patient is in shock Deresuscitation is inappropriate	2.8% (2/72)	0%		1.3% (1/75)	1.5% (1/65)	
Patient is not in shock Deresuscitation is appropriate	55.6% (40/72)	66.2% (45/68)		65.3% (49/75)	55.4% (36/65)	
Patient is not in shock Deresuscitation is inappropriate	2.8% (2/72)	5.9% (4/68)		6.7% (5/75)	1.5% (1/65)	
Case timepoint 4: Evacuation Phase						
Patient is in shock Deresuscitation is appropriate	1.4% (1/72)	1.5% (1/68)	1.0	1.3% (1/75)	1.5% (1/65)	0.98
Patient is in shock Deresuscitation is inappropriate	0%	0%		0%	0%	
Patient is not in shock Deresuscitation is appropriate	94.4% (68/72)	94.1% (64/68)		94.7% (71/75)	93.9% (61/65)	
Patient is not in shock Deresuscitation is inappropriate	4.2% (3/72)	4.4% (3/68)		4.0% (3/75)	4.6% (3/65)	