

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 \geq 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.

A new or option	≥26 PICU beds			<26 PICU beds					
Answer option	Intensivists	Nephrologists	P value	Intensivists	Nephrologists	P value			
Case time point 1: Resuscitation Phase									
Patient is in shock	5.6%	26.3%		7.4%	11.1%	0.62			
Deresuscitation is appropriate	(4/72)	(5/19)		(5/68)	(2/18)				
Patient is in shock	93.1%	63.2%		92.7%	88.9%				
Deresuscitation is inappropriate	(67/72)	(12/19)	<0.01	(63/68)	(16/18)				
Patient is not in shock	0%	0%	<0.01	0%	0%				
Deresuscitation is appropriate	070	070							
Patient is not in shock	1.4%	10.5%		0%	0%				
Deresuscitation is inappropriate	(1/72)	(2/19)							
Case time point 2: Optimization Phase									
Patient is in shock	51.4%	47.4%		61.8%	55.5%				
Deresuscitation is appropriate	(37/72)	(9/19)		(42/68)	(10/18)				
Patient is in shock	34.7%	15.8%		17.6%	11.1%	0.61			
Deresuscitation is inappropriate	(25/72)	(3/19)	0.04	(12/68)	(2/18)				
Patient is not in shock	6.9%	31.6%	0.01	8.8%	16.7%				
Deresuscitation is appropriate	(5/72)	(6/19)		(6/68)	(3/18)				
Patient is not in shock	6.9%	5.3%		11.7%	16.7%				
Deresuscitation is inappropriate	(5/72)	(1/19)		(8/68)	(3/18)				
Case time point 3: Stabilization Phase									
Patient is in shock	38.9%	26.3%		27.9%	27.8%	0.36			
Deresuscitation is appropriate	(28/72)	(5/19)		(19/68)	(5/18)				
Patient is in shock	2.8%	00/	0.24	00/	5.6%				
Deresuscitation is inappropriate	(2/72)	0%		0%	(1/18)				
Patient is not in shock	55.6%	73.7%	0.54	66.2%	61.1%				
Deresuscitation is appropriate	(40/72)	(14/19)		(45/68)	(11/18)				
Patient is not in shock	2.8%	0%		5.9%	5.6%				
Deresuscitation is inappropriate	(2/72)	070		(4/68)	(1/18)				
Case time point 4: Evacuation Phase									
Patient is in shock	1.4%	00/		1.5%	00/	0.38			
Deresuscitation is appropriate	(1/72)	0%	0.38	(1/68)	0%				
Patient is in shock Deresuscitation is inappropriate	0%	0%		0%	0%				
Patient is not in shock	94.4%	100%		94.1%	100%				
Deresuscitation is appropriate	(68/72)	(19/19)		(64/68)	(18/18)				
Patient is not in shock	4.2%	001		4.4%	00/				
Deresuscitation is inappropriate	(3/72)	0%		(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: \geq 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	6.7%	16.7%		6.2%	20.0%	0.16			
Deresuscitation is appropriate	(5/75)	(4/24)		(4/65)	(3/15)				
Patient is in shock	93.3%	79.2%		92.3%	73.3%				
Deresuscitation is inappropriate	(70/75)	(19/24)	0.08	(60/65)	(11/15)				
Patient is not in shock	0%	0%	0.08	0%	0%				
Deresuscitation is appropriate		4.20/		1.50/	C 70/				
Patient is not in snock	0%	4.2%		1.5%	0./%				
Deresuscitation is inappropriate		(1/24)		(1/05)	(1/15)				
	Case time j	point 2: Optimiz	ation Phas	e					
Patient is in shock	48.0%	50.0%		66.2%	53.3%	0.66			
Deresuscitation is appropriate	(36/75)	(12/24)		(43/65)	(8/15)				
Patient is in shock	29.3%	8.3%		23.1%	26.7%				
Deresuscitation is inappropriate	(22/75)	(2/24)	0.05	(15/65)	(4/15)				
Patient is not in shock	10.7%	29.2%	0.05	4.6%	13.3%				
Deresuscitation is appropriate	(8/75)	(7/24)		(3/65)	(2/15)				
Patient is not in shock	12.0%	12.5%		6.2%	6.7%				
Deresuscitation is inappropriate	(9/75)	(3/24)		(4/65)	(1/15)				
Case time point 3: Stabilization Phase									
Patient is in shock	26.7%	29.2%		41.5%	20.0%	0.13			
Deresuscitation is appropriate	(20/75)	(7/24)		(27/65)	(3/15)				
Patient is in shock	1.3%	00/		1.5%	13.3%				
Deresuscitation is inappropriate	(1/75)	0%	0.85	(1/65)	(2/15)				
Patient is not in shock	65.3%	66.7%	0.85	55.3%	66.7%				
Deresuscitation is appropriate	(49/75)	(16/24)		(36/65)	(10/15)				
Patient is not in shock	6.7%	4.2%		1.5%	0%				
Deresuscitation is inappropriate	(5/75)	(1/24)		(1/65)	070				
Case time point 4: Evacuation Phase									
Patient is in shock	1.3%	00/		1.5%	00/	- 0.43			
Deresuscitation is appropriate	(1/75)	0%	0.32	(1/65)	0%				
Patient is in shock	00/	00/		00/	00/				
Deresuscitation is inappropriate	0%	0%		0%	0%				
Patient is not in shock	94.7%	100%		93.8%	100%				
Deresuscitation is appropriate	(71/75)	(24/24)		(61/65)	(15/15)				
Patient is not in shock	4.0%	0%		4.6%	0%				
Deresuscitation is inappropriate	(3/75)	070		(3/65)	070				

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 \geq 26 bed PICU or <26 bed PICU in left three columns and self-reported \geq 7 years of experience or <7 years of experience in right three columns. Subgroups were split into \geq 26 beds or <26 beds and \geq 7 years and <7 years based on median self-reported number of beds/years of experience.

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Nephrologists Only							
Answer option	≥26 Beds	<26 beds	P value	\geq 7 years	<7 years	P value	
Case time point 1: Resuscitation Phase							
Patient is in shock	26.3%	11.1%		16.7%	20.0%		
Deresuscitation is appropriate	(5/19)	(2/18)	0.15	(4/24)	(3/15)	- 0.90	
Patient is in shock	63.2%	88.9%		79.2%	73.3%		
Deresuscitation is inappropriate	(12/19)	(16/18)		(19/24)	(11/15)		
Patient is not in shock	00/	00/		00/	00/		
Deresuscitation is appropriate	070	070		070	070		
Patient is not in shock	10.5%	0%		4.2%	6.7%		
Deresuscitation is inappropriate	(2/19)	070		(1/24)	(1/15)		
C	Case time poir	nt 2: Optimiz	ation Phas	e			
Patient is in shock	47.4%	55.6%		50.0%	53.3%		
Deresuscitation is appropriate	(9/19)	(10/18)		(12/24)	(8/15)		
Patient is in shock	15.8%	11.1%		8.3%	26.7%	0.34	
Deresuscitation is inappropriate	(3/19)	(3/18)	0.53	(2/24)	(4/15)		
Patient is not in shock	31.6%	16.7%	0.55	29.2%	13.3%		
Deresuscitation is appropriate	(6/19)	(3/18)	-	(7/24)	(2/15)		
Patient is not in shock	5.3%	16.7%		12.5%	6.7%		
Deresuscitation is inappropriate	(1/19)	(3/18)		(3/24)	(1/15)		
(Case time poi	nt 3: Stabiliz	ation Phase	e			
Patient is in shock	26.3%	27.8%		29.1%	20.0%	0.25	
Deresuscitation is appropriate	(5/19)	(5/18)		(7/24)	(3/15)		
Patient is in shock	0%	5.6%		094	13.3%		
Deresuscitation is inappropriate	070	(1/18)	0.51	070	(2/15)		
Patient is not in shock	73.7%	61.1%	0.51	66.7%	66.7%		
Deresuscitation is appropriate	(14/19)	(11/18)		(16/24)	(10/15)		
Patient is not in shock	0%	5.6%		4.2%	0%		
Deresuscitation is inappropriate	070	(1/18)		(1/24)	070		
	Case timepoi	int 4: Evacua	tion Phase	-			
Patient is in shock	0%	0%		0%	0%	1.0	
Deresuscitation is appropriate	070	070		070	0 /0		
Patient is in shock	0%	0%		0%	0%		
Deresuscitation is inappropriate	070	070	1.0	070	0 /0		
Patient is not in shock	100%	100%		100%	100%		
Deresuscitation is appropriate	(19/19)	(18/18)		(24/24)	(15/15)		
Patient is not in shock	0%	0%		0%	0%		
Deresuscitation is inannronriate	070	070		070	070		

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

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 \geq 26 bed PICU or <26 bed PICU in left three columns and self-reported \geq 7 years of experience or <7 years of experience in right three columns. Subgroups were split into \geq 26 beds or <26 beds and \geq 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	\geq 7 years	<7 years	P value		
Case time point 1: Resuscitation Phase								
Patient is in shock	5.6%	7.4%		6.7%	6.2%			
Deresuscitation is appropriate	(4/72)	(5/68)	0.57	(5/75)	(4/65)	0.46		
Patient is in shock	93.1%	92.7%		93.3%	92.3%			
Deresuscitation is inappropriate	(67/72)	(63/68)		(70/75)	(60/65)			
Patient is not in shock	0%	0%	0.37	0%	0%			
Deresuscitation is appropriate	070	070		070	070			
Patient is not in shock	1.4%	0%		0%	1.5%			
Deresuscitation is inappropriate	(1/72)	070		0 /0	(1/65)			
Case time point 2: Optimization Phase								
Patient is in shock	51.4%	61.8%		48.0%	66.2%			
Deresuscitation is appropriate	(37/72)	(42/68)		(36/75)	(43/65)			
Patient is in shock	34.7%	17.6%		29.3%	23.1%	0.13		
Deresuscitation is inappropriate	(25/72)	(12/68)	0.14	(22/75)	(15/65)			
Patient is not in shock	6.9%	8.8%	0.14	10.7%	4.6%			
Deresuscitation is appropriate	(5/72)	(6/68)		(8/75)	(3/65)			
Patient is not in shock	6.9%	11.8%		12.0%	6.2%			
Deresuscitation is inappropriate	(5/72)	(8/68)		(9/75)	(4/65)			
Case time point 3: Stabilization Phase								
Patient is in shock	38.9%	27.9%		26.7%	41.5%			
Deresuscitation is appropriate	(28/72)	(19/68)		(20/75)	(27/65)	0.16		
Patient is in shock	2.8%	00/		1.3%	1.5%			
Deresuscitation is inappropriate	(2/72)	0%	0.21	(1/75)	(1/65)			
Patient is not in shock	55.6%	66.2%	0.21	65.3%	55.4%			
Deresuscitation is appropriate	(40/72)	(45/68)		(49/75)	(36/65)			
Patient is not in shock	2.8%	5.9%		6.7%	1.5%			
Deresuscitation is inappropriate	(2/72)	(4/68)		(5/75)	(1/65)			
Case timepoint 4: Evacuation Phase								
Patient is in shock	1.4%	1.5%		1.3%	1.5%	0.98		
Deresuscitation is appropriate	(1/72)	(1/68)		(1/75)	(1/65)			
Patient is in shock	0%	0%		0%	0%			
Deresuscitation is inappropriate	070	070	1.0	070	070			
Patient is not in shock	94.4%	94.1%		94.7%	93.9%			
Deresuscitation is appropriate	(68/72)	(64/68)		(71/75)	(61/65)			
Patient is not in shock	4.2%	4.4%		4.0%	4.6%			
Deresuscitation is inappropriate	(3/72)	(3/68)		(3/75)	(3/65)	1		