

Supplemental Digital Content 3: Summary of baseline characteristics

	All (N=1031)		INF (N=202, 19.6%)	IMM (N=83, 8.1%)	UNS (N=746, 72.4%)	P value ¹
Male	567 (55.0)		119 (58.9)	44 (53.0)	404 (54.2)	0.4503
Age (years)	4.0 (1.0 - 10.0)		2.0 (0.0 - 7.0)	5.0 (2.0 - 8.0)	5.0 (1.0 - 10.0)	<0.0001
Age category						
<1 y	195 (18.9)		68 (33.7)	3 (3.6)	124 (16.6)	<0.0001
1-4y	330 (32.0)		67 (33.2)	35 (42.2)	228 (30.6)	
5-9y	239 (23.2)		30 (14.9)	31 (37.4)	178 (23.9)	
10-14y	206 (20.0)		26 (12.9)	10 (12.1)	170 (22.8)	
≥ 15y	61 (5.9)		11 (5.4)	4 (4.8)	46 (6.2)	
Invasive ventilation	808/1024 (78.9)		155/202 (76.7)	62/83 (74.7)	591 /739 (80.0)	0.3751
DOIV	3.0 (2.0 - 5.0) (N=806)		3.0 (2.0 - 5.0)	4.5 (2.0 - 10.0)	2.0 (2.0 - 5.0)	<0.0001
Vasoactive treatment (VT)	216/983 (22.0)		46 /200 (23.0)	14/79 (17.7)	156/704 (22.2)	0.6157
Renal support	50/890 (5.6)		5/194 (2.6)	12/76 (15.8)	33/620 (5.3)	0.0001
PIM 2 score	3.3 (1.9 - 4.8)		3.4 (1.5 - 5.7)	2.9 (1.5 - 3.9)	3.4 (2.3 - 4.8)	0.0181
PIM2 score category						
<1%	96 (9.3)		26 (12.9)	9 (10.8)	61 (8.2)	0.0038
1 to <5%	699 (67.8)		115 (56.9)	64 (77.1)	520 (69.7)	
5 to <15%	180 (17.5)		42 (20.8)	9 (10.8)	129 (17.3)	
15 to <30%	19 (1.8)		8 (4.0)	0 (0)	11 (1.5)	
30%+	37 (3.6)		11 (5.4)	1 (1.2)	25 (3.4)	
Length of PICU stay (days)	2.3 (1.1- 4.9)		2.5 (1.2 - 4.9)	3.5 (1.8 - 9.0)	2.1 (1.1 - 4.7)	0.0013

¹ Kruskal Wallis / Chi Square Test

	All (N=1031)		INF (N=202, 19.6%)	IMM (N=83, 8.1%)	UNS (N=746, 72.4%)	P value ¹
Length of PICU stay category						
<1d	218 (21.1)		41 (20.3)	11 (13.3)	166 (22.3)	0.0009
1 to <3d	395 (38.3)		77 (38.1)	25 (30.1)	293 (39.3)	
3 to <7d	262 (25.4)		61 (30.2)	21 (25.3)	180 (24.1)	
7 to <14d	97 (9.4)		18 (8.9)	14 (16.9)	65 (8.7)	
14 to <28d	35 (3.4)		5 (2.5)	8 (9.6)	22 (2.9)	
28d+	24 (2.3)		0 (0)	4 (4.8)	20 (2.7)	
Mortality	87 (8.4)		22 (10.9)	4(4.8)	61 (8.2)	0.2181

Key: Data shown are median (interquartile range, IQR) for continuous variables or number (%)

for categorical variables. Data presented are for the entire cohort unless where a denominator is specified. Where presented, each denominator represents the number of children who received a particular intervention and had available data. INF=infective encephalitis, IMM=immune mediated encephalitis; UNS= unspecified encephalitis; DOIV=duration of invasive ventilation; PIM2= Pediatric Index of Mortality score, second version.

¹ Kruskal Wallis / Chi Square Test