

Table 2: Incident rate ratio and hazard ratio of additional hospital utilization after feeding device placement comparing patients with devices placed after the implementation of a standardized clinical work (CSW) pathway for feeding device placement with those after implementation.

	Before CSW ¹	After CSW	After versus Before CSW			
	N (%) ²	N (%) ²	IRR ¹	95% CI ¹	HR ¹	95% CI
Placement Method³						
Combined	174 (58.4)	57 (40.7)	0.45	0.36-0.57	0.62	0.45-0.85
Surgical	60 (20.1)	39 (27.9)	0.60	0.42-0.86	0.85	0.53-1.34
Endoscopic	82 (27.5)	12 (8.6)	0.43	0.23-0.79	0.83	0.41-1.71
Image-Guided	32 (10.7)	6 (4.3)	0.27	0.13-0.56	0.32	0.10-1.05
Gastrostomy⁴	156 (56.93)	50 (39.7)	0.54	0.42-0.70	0.65	0.46-0.91
ASA Class⁵						
I or II	52 (60.5)	15 (40.5)	0.33	0.19-0.58	0.62	0.31-1.21
III or IV	122 (57.6)	42 (40.8)	0.47	0.36-0.62	0.62	0.43-0.90
Age, years						
≤1	141 (47.3)	79 (56.4)	0.46	0.35-0.61	0.59	0.40-0.87
>1	157 (52.7)	61 (43.6)	0.42	0.27-0.67	0.56	0.31-1.03
Type of Utilization						
Emergency Department	58 (19.5)	35 (25.0)	--	--	1.30	0.83-2.04
Operating Room	26 (8.7)	5 (3.6)	--	--	0.36	0.12-1.02
Gastroenterology	73 (24.5)	6(4.3)	--	--	0.13	0.06-0.31
Interventional Radiology	85 (28.5)	24 (17.1)	--	--	0.50	0.31-0.80

Bolded entries represent statistical significance to the 0.05 level.

¹ CSW, clinical standardized work; IRR, incidence rate ratio; 95% CI, 95% Confidence Interval, HR, hazard ratio; After relative to before implementation of the feeding device placement clinical standardized work pathway

² Number and percentage of children with at least one additional episode of hospital utilization

³ Technique for initial device placement: all methods combined, surgical placement in the operating room, endoscopic placement in the gastroenterology lab or image-guided in the interventional radiology suite

⁴ Outcomes among only those patients who received a gastrostomy device at initial placement

⁵ American Society of Anesthesiologist (ASA) physical status classification system: ASA Class I, healthy person; ASA Class II, mild systemic disease; ASA Class III, severe systemic disease; ASA Class IV, severe systemic disease with a constant threat to life.