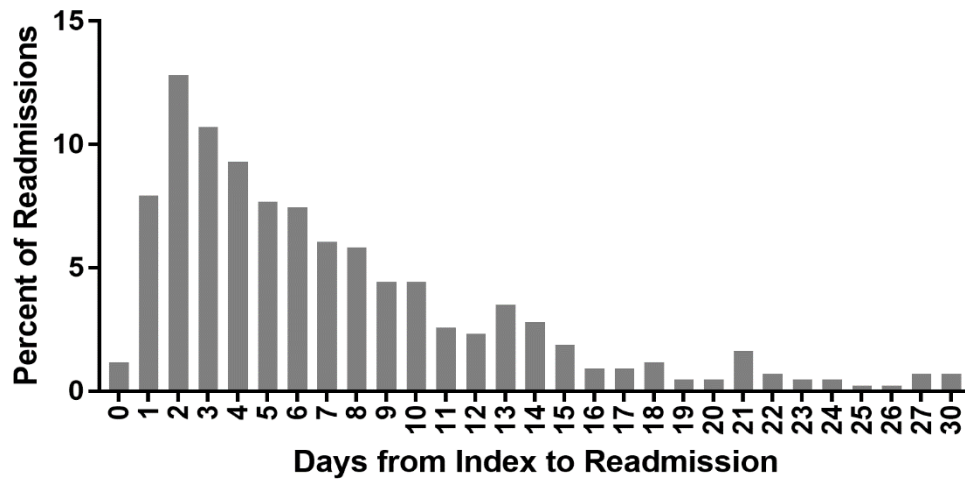


Appendix Figure. Distribution of days between index discharge and readmission



Appendix Table 1. Baseline demographic and clinical characteristics using alternative definition for early imaging (i.e., hospital day 0 or 1)

		Overall n = 10014		No Early Imaging* n= 2137		Early Imaging n= 7877		P[^]
Demographics		n	%	n	%	n	%	
Age (years)	<1	1924	(19.2)	277	(13)	1647	(20.9)	<0.001
	1-4	4807	(48.0)	924	(43.2)	3883	(49.3)	
	5-9	1981	(19.8)	493	(23.1)	1488	(18.9)	
	10-18	1302	(13.0)	443	(20.7)	859	(10.9)	
Race/Ethnicity	Non-Hispanic White	4195	(41.9)	1006	(47)	3189	(40.5)	<0.001
	Non-Hispanic Black	2316	(23.1)	427	(20)	1889	(24)	
	Hispanic	2374	(23.7)	461	(21.6)	1913	(24.3)	
	Other	1129	(11.3)	243	(11.4)	886	(11.2)	
Payor	Government	6271	(62.6)	1317	(61.7)	4954	(62.9)	0.546
	Private	3427	(34.2)	749	(35)	2678	(34)	
	Other	316	(3.2)	71	(3.3)	245	(3.1)	
Clinical Characteristics								
Prior ED visit for lymphadenitis (within 30 days of admission)		711	(7.1)	107	(5.0)	604	(7.7)	<0.001
Receipt of IV analgesia (preceding surgical drainage)		446	(4.5)	69	(3.2)	377	(4.8)	0.002
Broad spectrum antibiotics on day 0-1		659	(6.6)	182	(8.5)	477	(6.1)	<0.001
Initial admission to ICU		136	(1.4)	35	(1.6)	101	(1.3)	0.

*Of the 2137 patients without early imaging, 226(10.6%) had any imaging conducted.

[^]p-values calculated using chi-square test.

All % are column percentages

Abbreviations: ED – emergency department, IV – intravenous, ICU – intensive care unit

Appendix Table 2. Outcomes when using alternative definition for early imaging (i.e., hospital day 0-1)

Outcomes	No Early Imaging n= 2137	Early Imaging n= 7877	Modeling Results	
			Model Statistic	Adjusted Point Estimate (95%CI)
Multiple imaging studies ¹ n (%)	36 (1.7)	2236 (28.4)	Odds Ratio (95% CI)	22.6 (15.8 - 32.4)
Surgical drainage ¹ n (%)	644 (30.1)	3036 (38.5)	Odds Ratio (95% CI)	1.3 (1.2-1.4)
Length of stay (days) ² median[IQR]	2.1 [2.1,2.2]	2.6 [2.5,2.6]	Rate Ratio (95% CI)	1.2 (1.1 -1.3)
30-day readmission for lymphadenitis ¹ n (%)	57 (2.7)	372 (4.7)	Odds Ratio (95% CI)	1.8 (1.3-2.5)

¹ Generalized logistic regression with mixed effects included demographic and clinical characteristics listed in Table 1 and hospital as random effect to account for clustering

² Generalized linear mixed effects model included demographic and clinical characteristics listed in Table 1 and hospital as random effect to account for clustering.