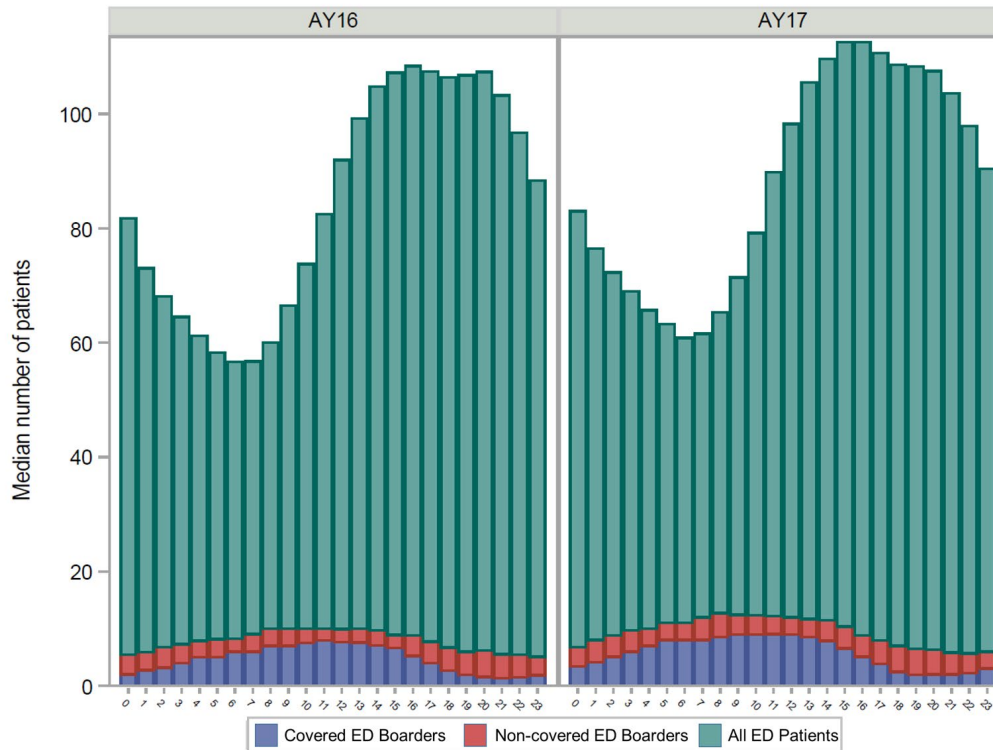


Appendix 1: Patient characteristics of covered Emergency Department boarders (EDB), non-covered EDB, and non-boarder patient groups by academic year

	Academic Year 16				Academic Year 17			
	Covered EDB	Non-covered EDB	Non-boarder	Total	Covered EDB	Non-covered EDB	Non-boarder	Total
Patients, N (%)	4032 (52.1)	2945 (38.1)	757 (9.8)	7734 (100)	4744 (53.1)	2921 (32.7)	1269 (14.2)	8934 (100)
Gender, N (%)								
Male	2209 (54.8)	1641 (55.7)	419 (55.4)	4269 (55.2)	2617 (55.2)	1629 (55.8)	676 (53.3)	4922 (55.1)
Female	1823 (45.2)	1304 (44.3)	338 (44.6)	3465 (44.8)	2127 (44.8)	1292 (44.2)	593 (46.7)	4012 (44.9)
Age, mean (SD)	62.1 (19.4)	64.0 (19.1)	62.1 (19.2)	62.9 (19.3)	62.2 (19.2)	63.6 (18.9)	62.8 (18.9)	62.7 (19.1)
Race, N (%)								
White	3138 (77.8)	2290 (77.8)	596 (78.7)	6024 (77.9)	3709 (78.2)	2312 (79.2)	1028 (81.0)	7049 (78.9)
African American	350 (8.7)	276 (9.4)	71 (9.4)	697 (9.0)	410 (8.6)	251 (8.6)	88 (6.9)	749 (8.4)
Asian	122 (3.0)	94 (3.2)	23 (3.0)	239 (3.1)	163 (3.4)	90 (3.1)	41 (3.2)	294 (3.3)
Hispanic	31 (0.8)	37 (1.3)	9 (1.2)	77 (1.0)	53 (1.1)	33 (1.1)	12 (0.9)	98 (1.1)
Other	350 (8.7)	200 (6.8)	51 (6.7)	601 (7.8)	332 (7.0)	196 (6.7)	89 (7.0)	617 (6.9)
N/A	41 (1.0)	48 (1.6)	7 (0.9)	96 (1.2)	77 (1.6)	39 (1.3)	11 (0.9)	127 (1.4)
Payor, N (%)								
Commercial	1324 (32.8)	952 (32.3)	254 (33.6)	2530 (32.7)	1507 (31.8)	891 (30.5)	436 (34.4)	2834 (31.7)
Medicare	1939 (48.1)	1506 (51.1)	355 (46.9)	3800 (49.1)	2242 (47.3)	1472 (50.4)	601 (47.4)	4315 (48.3)
Medicaid	599 (14.9)	389 (13.2)	116 (15.3)	1104 (14.3)	725 (15.3)	420 (14.4)	171 (13.5)	1316 (14.7)
Other	170 (4.2)	98 (3.3)	32 (4.2)	300 (3.9)	270 (5.7)	138 (4.7)	61 (4.8)	469 (5.2)
Admission Diagnoses, N (%)								
Respiratory	589 (14.6)	391 (13.3)	88 (11.6)	1068 (13.8)	691 (14.6)	413 (14.1)	137 (10.8)	1241 (13.9)
Circulatory	470 (11.7)	436 (14.8)	112 (14.8)	1018 (13.2)	561 (11.8)	423 (14.5)	167 (13.2)	1151 (12.9)
Digestive	469 (11.6)	349 (11.9)	85 (11.2)	903 (11.7)	550 (11.6)	394 (13.5)	174 (13.7)	1118 (12.5)
Genitourinary	315 (7.8)	213 (7.2)	48 (6.3)	572 (7.4)	343 (7.2)	176 (6.0)	93 (7.3)	612 (6.9)
Endo	219 (5.4)	173 (5.9)	49 (6.5)	441 (5.7)	237 (5.0)	166 (5.7)	71 (5.6)	474 (5.3)
Mental/ Behavior	197 (4.9)	116 (3.9)	26 (3.4)	339 (4.4)	237 (5.0)	164 (5.6)	65 (5.1)	466 (5.2)
Other conditions	1773 (44.0)	1267 (43.0)	349 (46.1)	3389 (43.8)	2125 (44.8)	1185 (40.6)	562 (44.3)	3872 (43.3)
Hospital discharge disposition, N (%)								
Home	2905 (72.0)	2101 (71.3)	573 (75.7)	5579 (72.1)	3371 (71.1)	1988 (68.1)	890 (70.1)	6249 (69.9)
Facility	837 (20.8)	641 (21.8)	142 (18.8)	1620 (20.9)	995 (21.0)	700 (24.0)	273 (21.5)	1968 (22.0)
AMA	118 (2.9)	55 (1.9)	18 (2.4)	191 (2.5)	207 (4.4)	94 (3.2)	57 (4.5)	358 (4.0)
Deceased	85 (2.1)	87 (3.0)	10 (1.3)	182 (2.4)	95 (2.0)	75 (2.6)	32 (2.5)	202 (2.3)
Other	87 (2.2)	61 (2.1)	14 (1.8)	162 (2.1)	76 (1.6)	64 (2.2)	18 (1.4)	161 (1.8)

Appendix 2: Patterns in median patient volume of the Emergency Department (ED) and ED Boarder populations by time of day

Change in median volume of covered ED Boarder, non-covered ED Boarder, and all ED patients. Metrics for coverage including percent of patients covered and boarding hours covered are also presented.



Coverage metric: Percent of patients covered			
	AY16	AY17	Total
Number of eligible EDB patients	6977	7665	14642
Number of covered EDB patients	4032	4744	8776
Eligible patients covered	57.8%	61.9%	59.9%

Coverage metric: Boarding hours covered			
	AY16	AY17	Total
Total boarding hours	68827	81906	150733
Total hours under care of EDB service	42221	52545	94766
Boarding hours covered	61.3%	64.2%	62.9%