

Tables

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1 Descriptive Statistics

1.1 Patient Population and Sample

There were 57,514 visits by 36,457 unique patients during the year in which data were collected. 15.96% of those visits ($N = 9,177$), with 5,900 (16.18%) unique patients, occurred during the 81 shifts for which data were collected. 52.11% of those visits ($n = 4,782$), representing 3,064 (51.93%) unique patients, consented to participate and were included in the analysis.

min_visits	max_visits	mean_visits	median_visits
1	205	1.577585	1

The mean number of visits per patient during the study year was 1.58. 123 patients visited the ED more than 15 times (total of 3,261 visits) during the study year.

- *Should we remove patients with 15 or more ED visits from network analyses because they had greater familiarity with ED staff?*

1.2 Staff

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Table 1: Total patients during the year (2009-2010), in the 81 shifts (N), and participants (n)

group	patients	visits
annual	36457	57514
shifts_observed	5900	9177
sample	3064	4782

Table 2: Table 1. Patient Demographics for the Year, 81 Sampled Shifts, and Participants

Characteristic	Total	Population	**Sample**, N = 4,782
__ Race __			
Black	46,637 (81%)	7,467 (81%)	3,955 (83%)
Other	1,753 (3.1%)	274 (3.0%)	117 (2.5%)
White	9,026 (16%)	1,423 (16%)	702 (15%)
__ Sex __			
Female	32,316 (56%)	5,092 (55%)	2,736 (57%)
Male	25,197 (44%)	4,085 (45%)	2,046 (43%)
__ Age __	44 (29, 58)	45 (30, 59)	47 (31, 60)
__ Acuity __			
1 Immediate	955 (1.7%)	118 (1.3%)	31 (0.7%)
2 Emergent	15,376 (27%)	2,685 (30%)	1,610 (34%)
3 Urgent	26,845 (48%)	4,414 (49%)	2,359 (50%)
4 Stable	11,992 (21%)	1,659 (18%)	718 (15%)
5 Non Urgent	817 (1.5%)	113 (1.3%)	33 (0.7%)
__ Arrival Mode __			
EMS	16,165 (29%)	2,652 (30%)	1,447 (31%)
Ambulatory	38,953 (71%)	6,195 (70%)	3,253 (69%)
Custody	41 (<0.1%)	5 (<0.1%)	0 (0%)
__ Disposition __			
Discharge	40,234 (73%)	6,318 (72%)	3,350 (74%)
Admit	9,807 (18%)	1,709 (20%)	1,000 (22%)
AMA	1,532 (2.8%)	228 (2.6%)	77 (1.7%)
Left W/out Being Seen	2,945 (5.4%)	356 (4.1%)	74 (1.6%)
Transfer	411 (0.7%)	120 (1.4%)	37 (0.8%)
Expired	48 (<0.1%)	5 (<0.1%)	1 (<0.1%)

1.3 Contacts

- There were 16,827 patient-staff, and 10,418,682 staff-staff, clinical interactions between participants in the 81 observed shifts.

min_contacts	max_contacts	mean_contacts	median_contacts	sd_contacts	iqr_contacts
36	2844	828.6543	607	693.65	983