

Table 1: Top 10 Diagnostic Impressions, Triage Categories and Outcomes

	n	D/C	Adm.	Xfer *	Died *	LWBS *	AMA *	Eloped *	ED Obs.*	CTAS	CTAS	CTAS	CTAS	CTAS	ESI	ESI	ESI	ESI	ESI
		% (n)	% (n)	% (n)	% (n)	% (n)	% (n)	% (n)	% (n)	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Gen. Ill.	284	13.6% (169)	11.8% (97)	3% (1)	0	9.1% (1)	6.7% (1)	13.6% (3)	14.3% (12)	1	4	27	72	179	1	60	197	24	2
Abd. Pain	151	7.3% (91)	6.1% (50)	3% (1)	0	9.1% (1)	0	13.6% (3)	6% (5)	2	3	21	36	89	1	19	126	5	0
Chest Pain	139	4.6% (57)	8.7% (72)	0	0	0	13.3% (2)	4.5% (1)	8.3% (7)	1	15	35	45	40	1	107	31	0	0
Cold or flu Sx.	92	4% (50)	4.4% (36)	0	0	18.2% (2)	0	4.5% (1)	3.6% (3)	1	0	6	14	71	0	14	67	11	0
Back Pain	87	5% (62)	2.2% (18)	0	0	18.2% (2)	6.7% (1)	13.6% (3)	1.2% (1)	0	1	8	19	59	0	4	48	35	0
Leg Pain	70	4.1% (51)	1.6% (13)	0	0	9.1% (1)	6.7% (1)	4.5% (1)	3.6% (3)	2	0	1	13	54	0	4	31	34	1
Resp. Dist.	66	0.8% (10)	6.8% (56)	0	0	0	0	0	0	5	10	16	21	14	8	44	14	0	0
Weak	64	1% (13)	57% (47)	0	0	0	0	0	4.8% (4)	0	1	15	23	25	2	35	27	0	0
Anxiety	64	3.5% (43)	1.6% (13)	9.1% (3)	0	0	6.7% (1)	13.6% (3)	1.2% (1)	0	1	4	17	42	0	21	36	6	1
AA	57	3.5% (43)	1.6% (13)	0	0	0	0	4.5% (1)	0	0	2	7	18	30	0	17	40	0	0
Lac. or cut	57	3.6% (45)	1% (8)	6.1% (2)	0	0	0	4.5% (1)	1.2% (1)	0	1	8	16	32	1	9	27	20	0
Total	1131	634	423	8	0	7	6	17	37	12	38	147	294	635	14	334	644	135	4
% of top 10	51%	28.50%	19%	<1%	0%	<1%	<1%	<1%	<1%	1.06%	3.36%	13%	26%	56.15%	1.24%	29.50%	58%	11.90%	0.35%

Table 2: Comparison of CTAS at facility scores and ESI scores to general outcomes

Chi Square	CTAS	CTAS	CTAS	CTAS	CTAS		ESI	ESI	ESI	ESI	ESI	
387.435, df=32 p<0.001	Cat. 1*	Cat. 2*	Cat. 3*	Cat. 4*	Cat. 5*	Total	Cat. 1*	Cat. 2*	Cat. 3*	Cat. 4*	Cat.5*	Total
	% (n)	%(n)	% (n)	% (n)	% (n)	% (n)	%(n)	%(n)	%(n)	%(n)	%(n)	%(n)
Discharged	30.8% (12)	25% (25)	38.3% (130)	49.4% (299)	67.7% (771)	55.7% (1237)	5.8% (3)	30.7% (230)	66.2% (756)	89% (243)	71.4% (5)	55.7% (1237)
Admitted	56.4% (22)	66% (66)	55.2% (187)	42.1% (255)	25.1% (286)	36.7% (816)	84.6% (44)	59.4% (444)	27.1% (310)	6.2% (17)	14.3% (1)	36.7% (816)
Transferred	2.6% (1)	4% (4)	0.6% (2)	1.8% (11)	1.2% (14)	1.4% (32)	0	3.7% (28)	0.3% (3)	0.4% (1)	0	1.4% (32)
Deceased	10.3% (4)	0	0	0	0	0.2% (4)	7.7% (4)	0	0	0	0	0.2% (4)
LWBS	0	0	0	0.3% (2)	0.8% (9)	0.5% (11)	0	0.1% (1)	0.4% (5)	1.5% (4)	14.3% (1)	0.5% (11)
LAMA	0	0	0.3% (1)	1.3% (8)	0.5% (6)	0.7% (15)	0	0.9% (7)	0.4% (5)	1.1% (3)	0	0.7% (15)
Eloped	0	1% (1)	0.6% (2)	1.2% (7)	1.1% (12)	1% (22)	0	0.5% (4)	1.5% (17)	0.4% (1)	0	1% (22)
Labor and Delivery	0	0	0	0	0.1% (1)	0% (1)	0	0	0.1% (1)	0	0	0% (1)
ED Observation	0	4.5% (4)	5% (17)	3.8% (23)	3.5% (40)	3.8% (84)	1.9% (1)	4.5% (34)	3.9% (45)	1.5% (4)	0	3.8% (84)
Total	1.7% (39)	4.5% (100)	15.1% (339)	27% (605)	50.9% (1139)	100% (2222)	2.3% (52)	33.8% (756)	51.2% (1142)	12.3% (276)	0.4% (7)	100% (2222)

* Indicates triage categories where 1=resuscitation; 2=emergent; 3=urgent; 4= semi-urgent; and 5=non-urgent

Table 3: Comparison of RECODED CTAS at facility scores and ESI scores to general outcomes

	CTAS 1& 2	CTAS 3	CTAS 4	CTAS 5	Total	ESI 1 & 2	ESI 3	ESI 4 & 5	Total
Discharged	37 (3%)	130 (10.5%)	299 (24.2%)	770 (62.3%)	1236 (100%)	223 (18.8%)	756 (61.1%)	248 (20%)	1237 (100%)
Admitted	88 (10.8%)	187 (22.9%)	255 (31.2%)	287 (35.1%)	817 (100%)	488 (59.8%)	310 (38)	18 (2.2%)	816 (100%)
Transfer	5 (16.5%)	2 (6.3%)	11 (34.4%)	14 (43.8%)	32 (100%)	28 (87.5%)	3 (9.4%)	1 (3.1%)	32 (100%)
Deceased	4 (2.9%)	0	0	0	4 (100%)	4 (100%)	0	0	4 9100%)
LWBS	0	0	2 (18.2%)	9 (81.8%)	11 (100%)	1 (9.1%)	5 (45.5%)	5 (45.5%)	11 (100%)
AMA	0	1 (6.7%)	8 (53.3%)	6 (40%)	15 (100%)	7 (46.7%)	5 (33.3%)	3 (20%)	15 (100%)
Eloped	1 (4.5%)	2 (9.1%)	7 (31.8%)	12 (54.5%)	22 (100%)	4 (18.2%)	17 (77.3%)	1 (4.5%)	22 (100%)
L/D	0	0	0	1 (100%)	1 (100%)	0	1 (100%)	0	1 (100%)
ED Obs.	4 (4.8%)	17 (20.2%)	23 (27.4%)	40 (47.6%)	84 (100%)	35 (41.7%)	45 (53.6%)	4 (4.8%)	84 (100%)
Total	139 (6.3%)	339 (15.2%)	605 (27.2%)	1139 (51.2%)	2222 (100%)	800 (36%)	1142 (51.4%)	280 (12.6%)	2222 (100%)

Table 4: Comparison of CTAS at facility scores and ESI scores to specific admission type

	ESI 1*	CTAS 1*	ESI 2*	CTAS 2*	ESI 3*	CTAS 3*	ESI 4*	CTAS 4*	ESI 5*	CTAS 5*
Discharge	15.40% (8)	43.60% (17)	40.60% (307)	34% (34)	72.80% (834)	44.80% (152)	93.80% (259)	57.90% (350)	87.50% (7)	74.80% (853)
Admit	84.60% (44)	56.40% (22)	59.40% (449)	66% (66)	27.20% (311)	55.20% (187)	6.20% (17)	42.10% (255)	12.50% (1)	25.20% (287)
TOTAL	52	39	756	100	1145	339	276	605	8	1140
Specialty admit	11.50% (6)	2.60% (1)	8.50% (64)	6% (6)	3.00% (34)	5.90% (20)	0.00%	5.30% (32)	12.50% (1)	3.90% (45)
Critical care admit	21.20% (11)	10.30% (4)	10.40% (79)	17.00% (17)	2.40% (28)	9.10% (31)	2.20% (6)	6.00% (36)	0.00%	3.10% (35)
General medicine admit	67.3% (27)	87.1% (17)	81.1% (306)	77% (43)	96.4% (249)	85% (136)	97.8% (11)	88.7% (187)	0.00%	93% (207)

* Indicates triage categories where 1=resuscitation; 2=emergent; 3=urgent; 4= semi-urgent; and 5=non-urgent