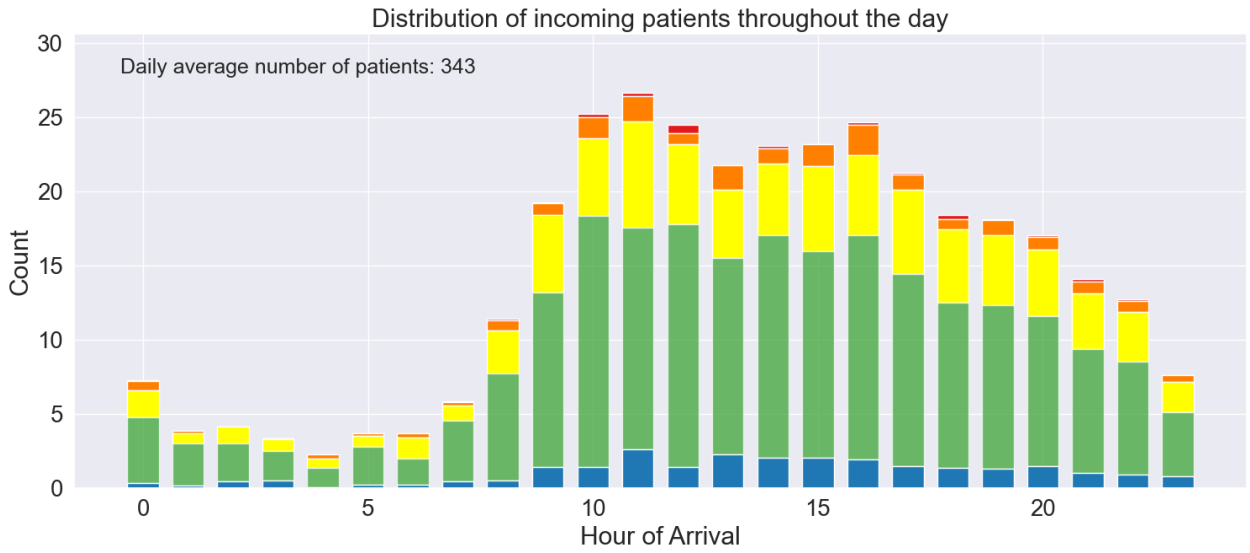
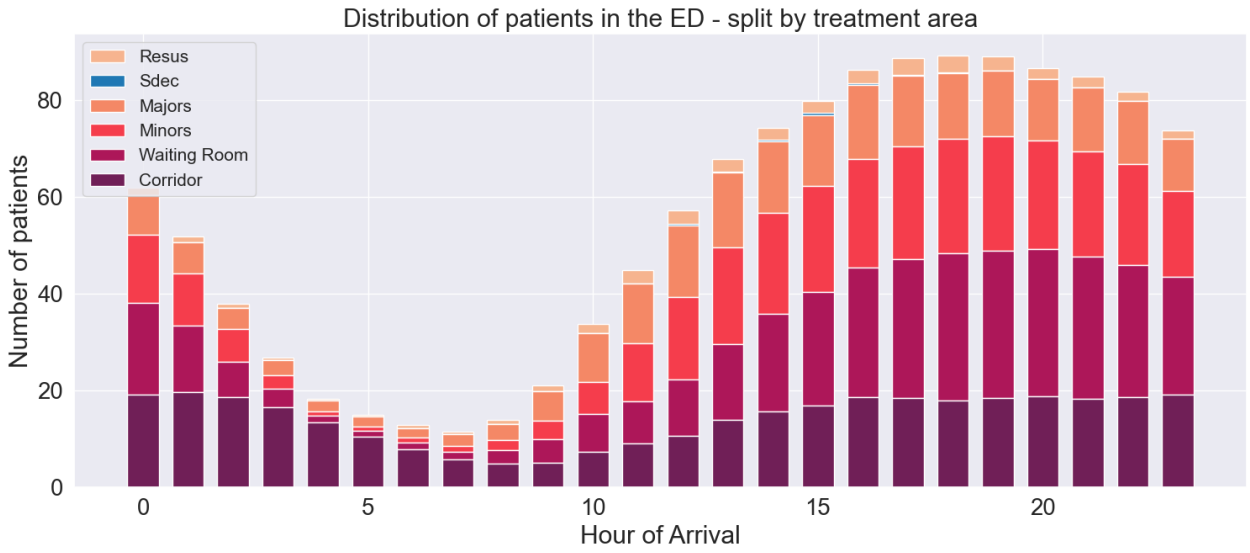
Emergency Department Simulator

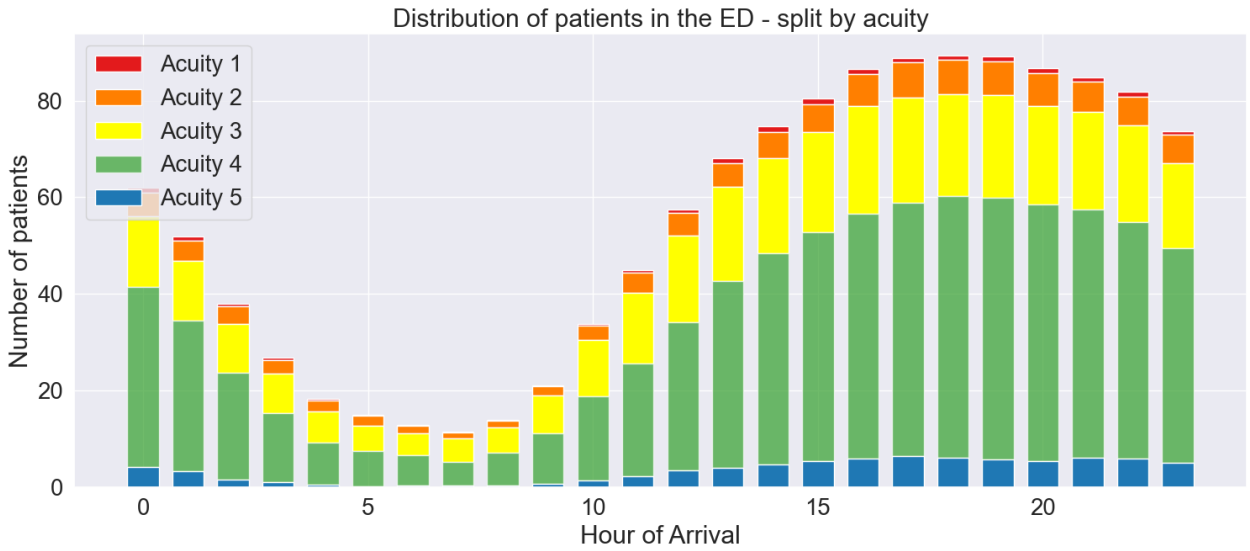
Setup
Type of ED: Custom
Daily Attendance = 335 patients
Number of doctors = 16 doctors
Number of sdec_doctors = 10 sdec_doctors
Number of rat_doctors = 2 rat_doctors
Number of nt_doctors = 2 nt_doctors
Resus cubicles = 5 cubicles
SDEC cubicles = 10 cubicles
Majors cubicles = 26 cubicles
Minors cubicles = 25 cubicles
Waiting room capacity = 40 seats
Days to run simulation = 14.0 days

Number of incoming patients / patients in the ED and distribution throughout the day

	Acuity 1	Acuity 2	Acuity 3	Acuity 4	Acuity 5
Percentage	0.88%	5.5%	24.65%	60.68%	8.29%
Daily number	3	18	83	203	28

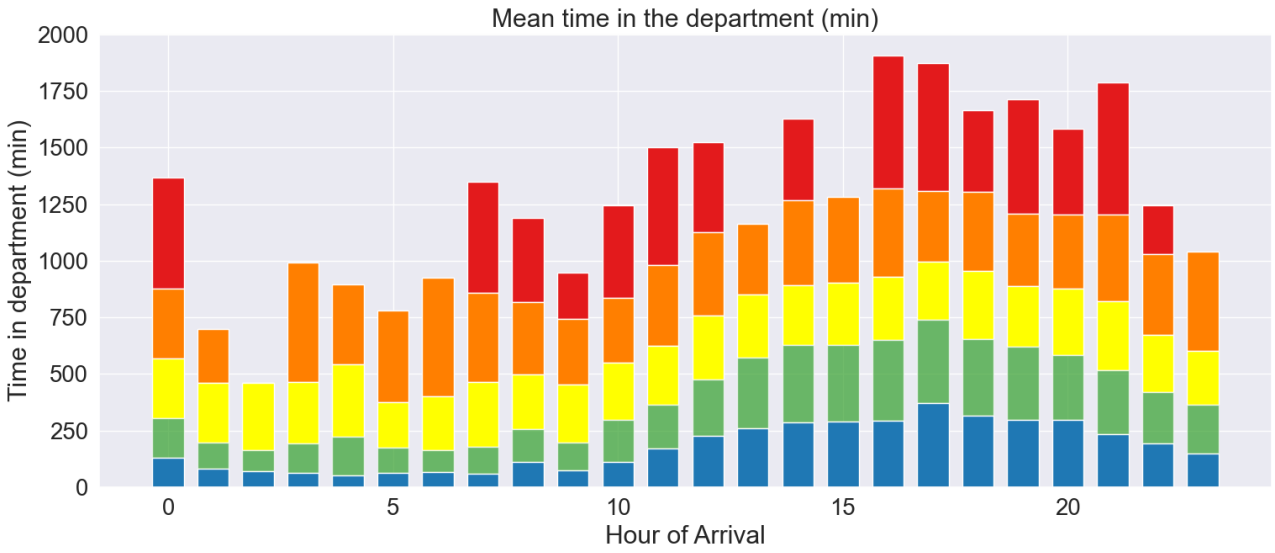


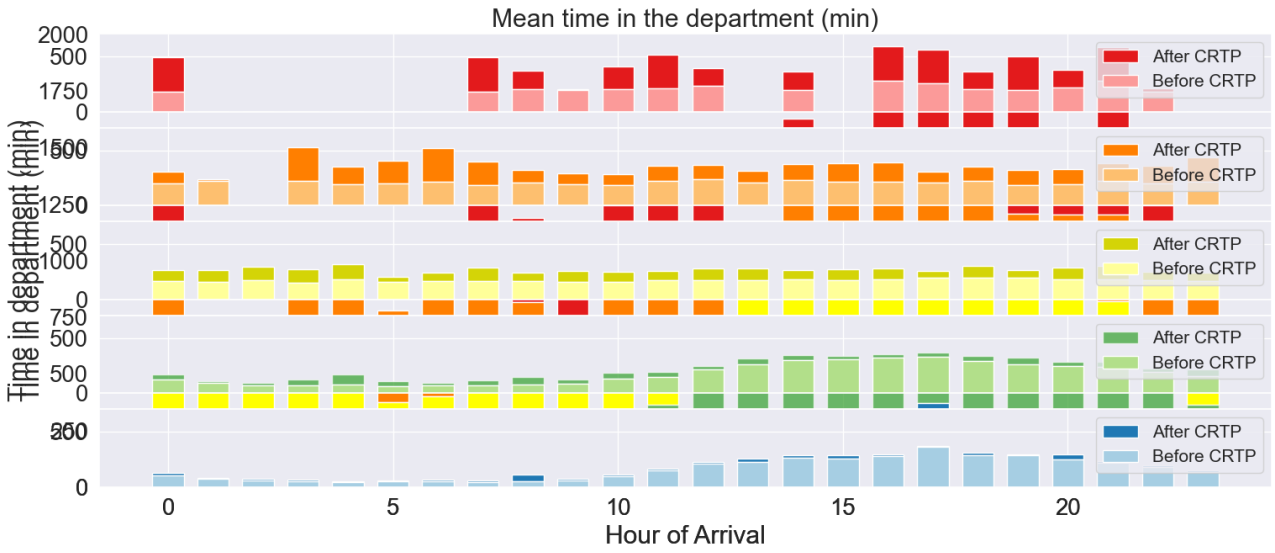




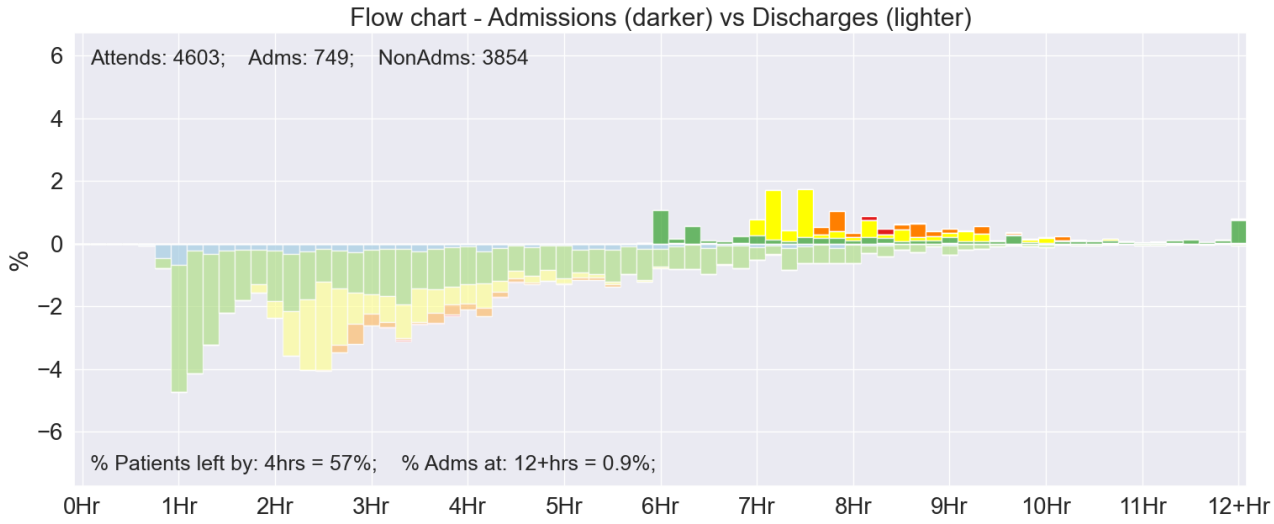
Main metrics regarding time spent in the department depending on acuity

	Acuity 1	Acuity 2	Acuity 3	Acuity 4	Acuity 5
Mean time ± std	429±152	349±156	270±141	256±163	223±143
Longest time	674	751	813	860	721
Time to see doctor - mean ± std	26±36	18±23	33±31	128±105	142±106
Mean number left / day	0	0	0	6	0





Percentage of admitted and discharged patients as a function of the time spent in ED



List of model input parameters: