Example of normal day

The following forecasts are all from the same day. They have been extracted every hour between 7am and 3pm.

The orange line indicate the average number of patients expected to arrive in a given hour while the blue boxes indicates the likelihood of a given number of patients arriving. The bluer a box is, the more likely it is that that exact number of patients will arrive during the given hour.

The example is based on simulated data from a small Danish emergency department.

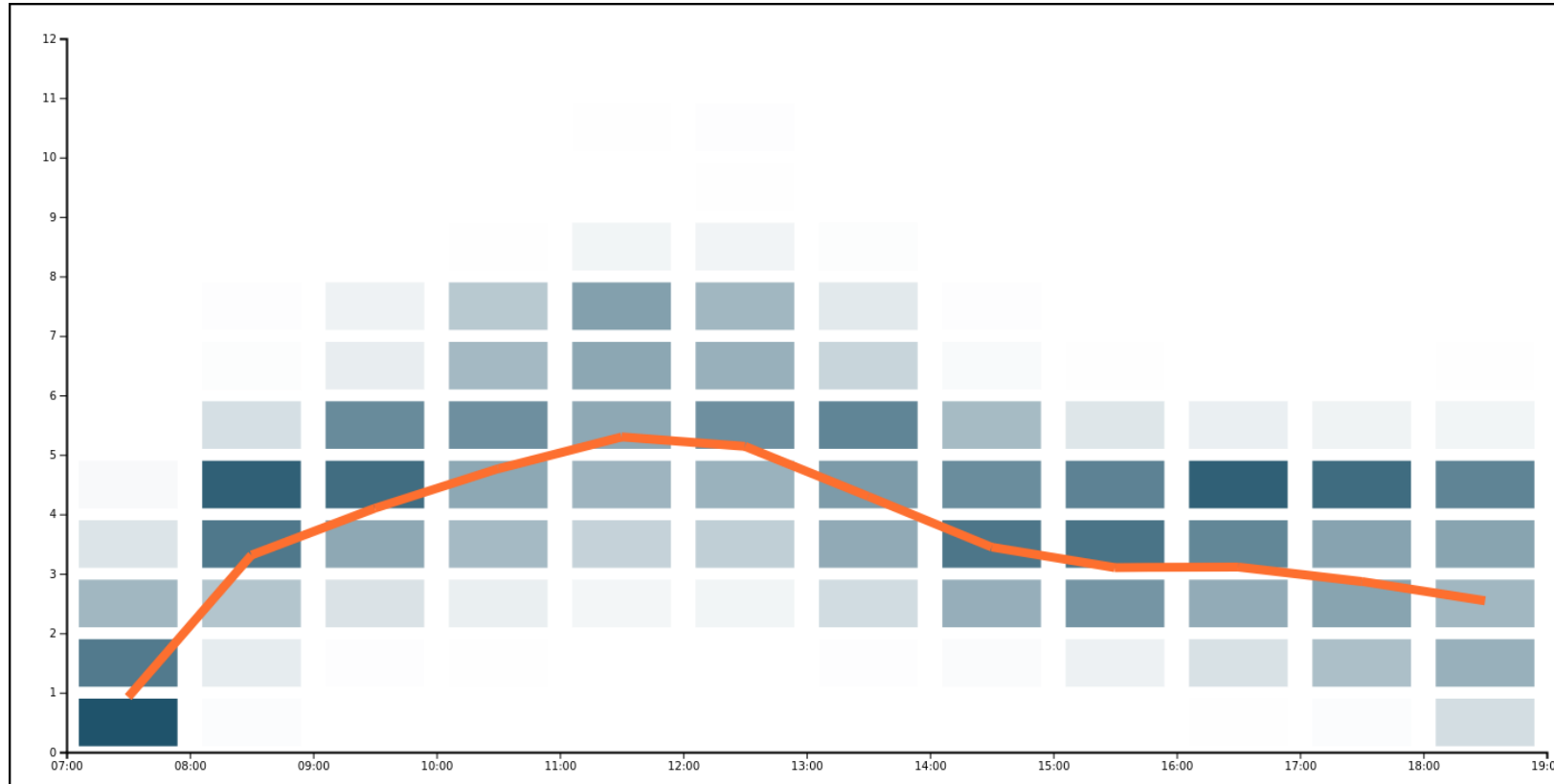The box at the bottom of this page shows the actual number of arrivals on this day.

Day time	26
Evening	9
Night	7
Total	**42**

Note that 26 patients actually arrived during daytime. That's almost the same as the other example of a normal day but they look completely different.

How to handle the day?
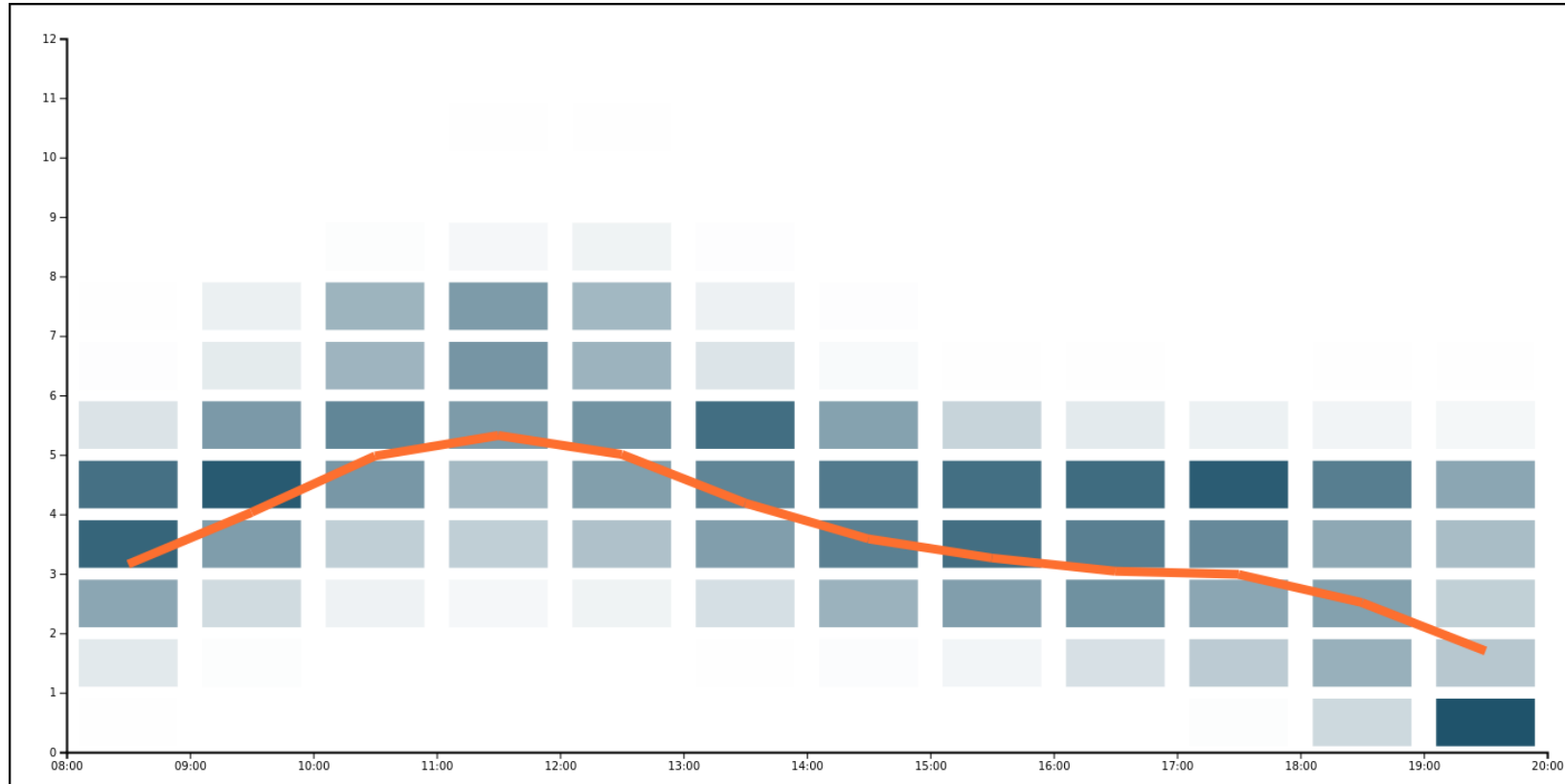If someone calls in sick at any time during the day, you probably need to cover the position.
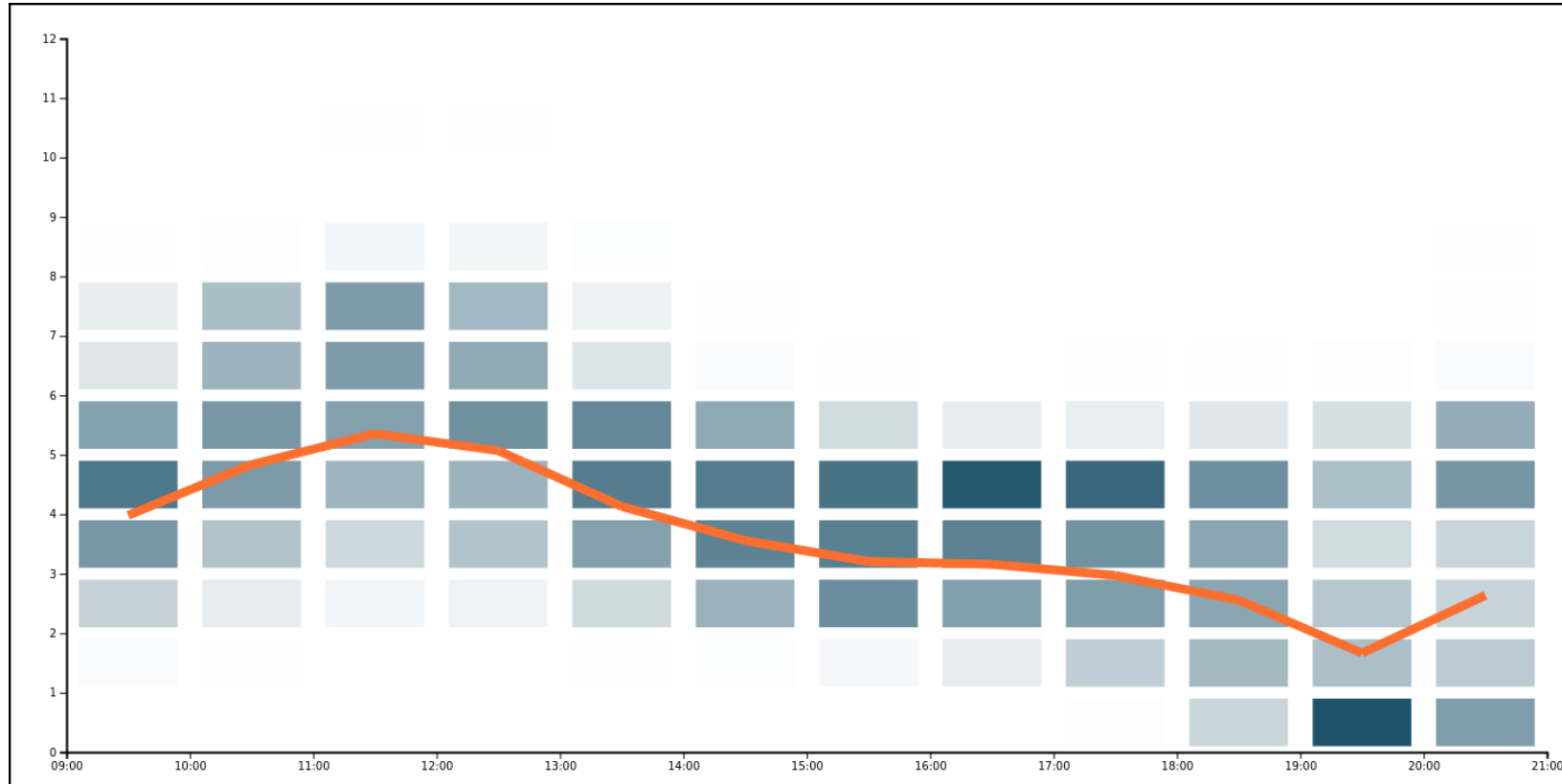
Normal day – 7am

At 7am, you can see that the number of patients will increase quickly after 8am.

The orange line indicates that between 4 and 6 patients will arrive per hour between 9am and 2pm and the blue boxes indicate that it is most likely that 5 patients will arrive per hour at 1pm.
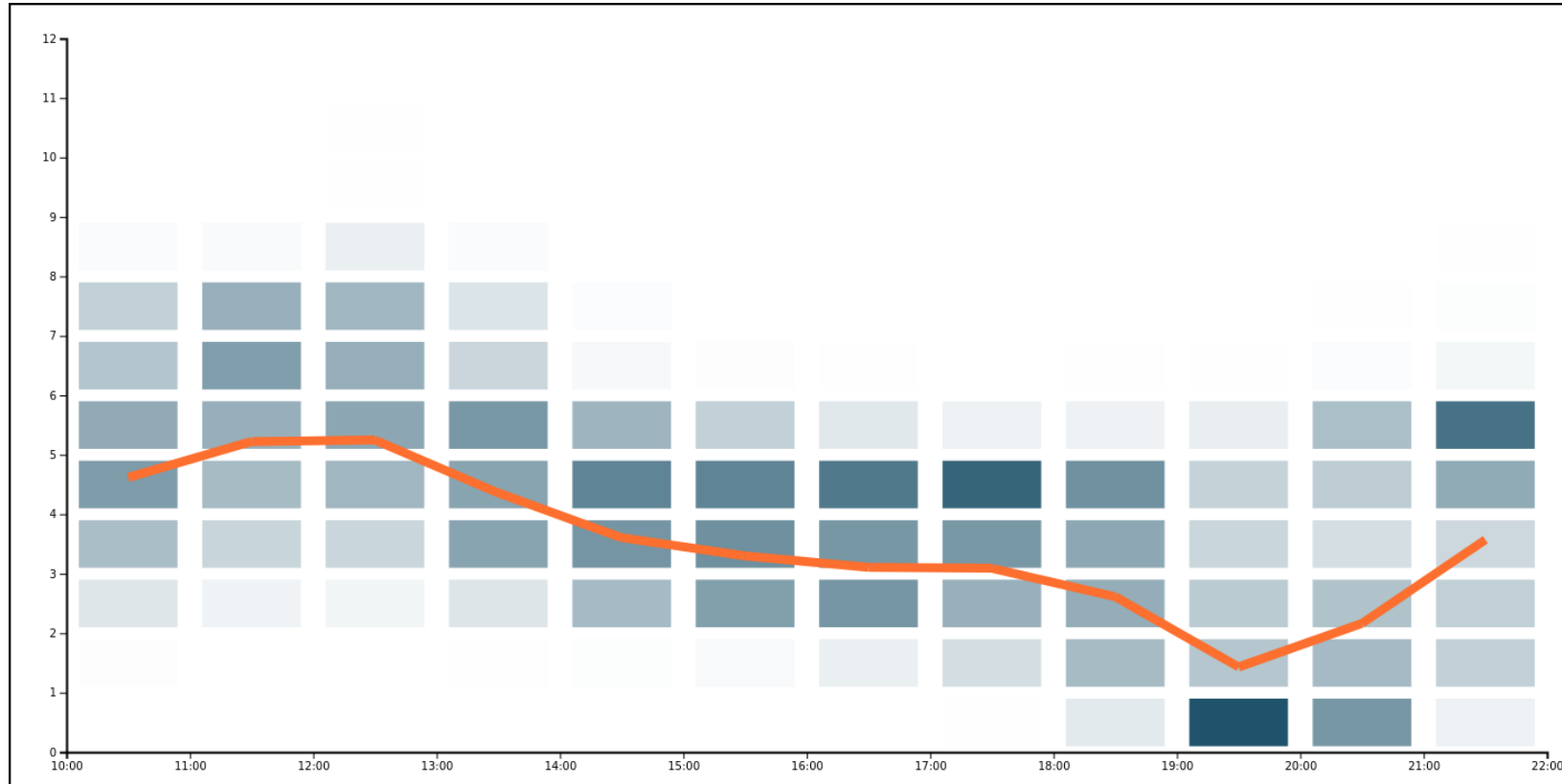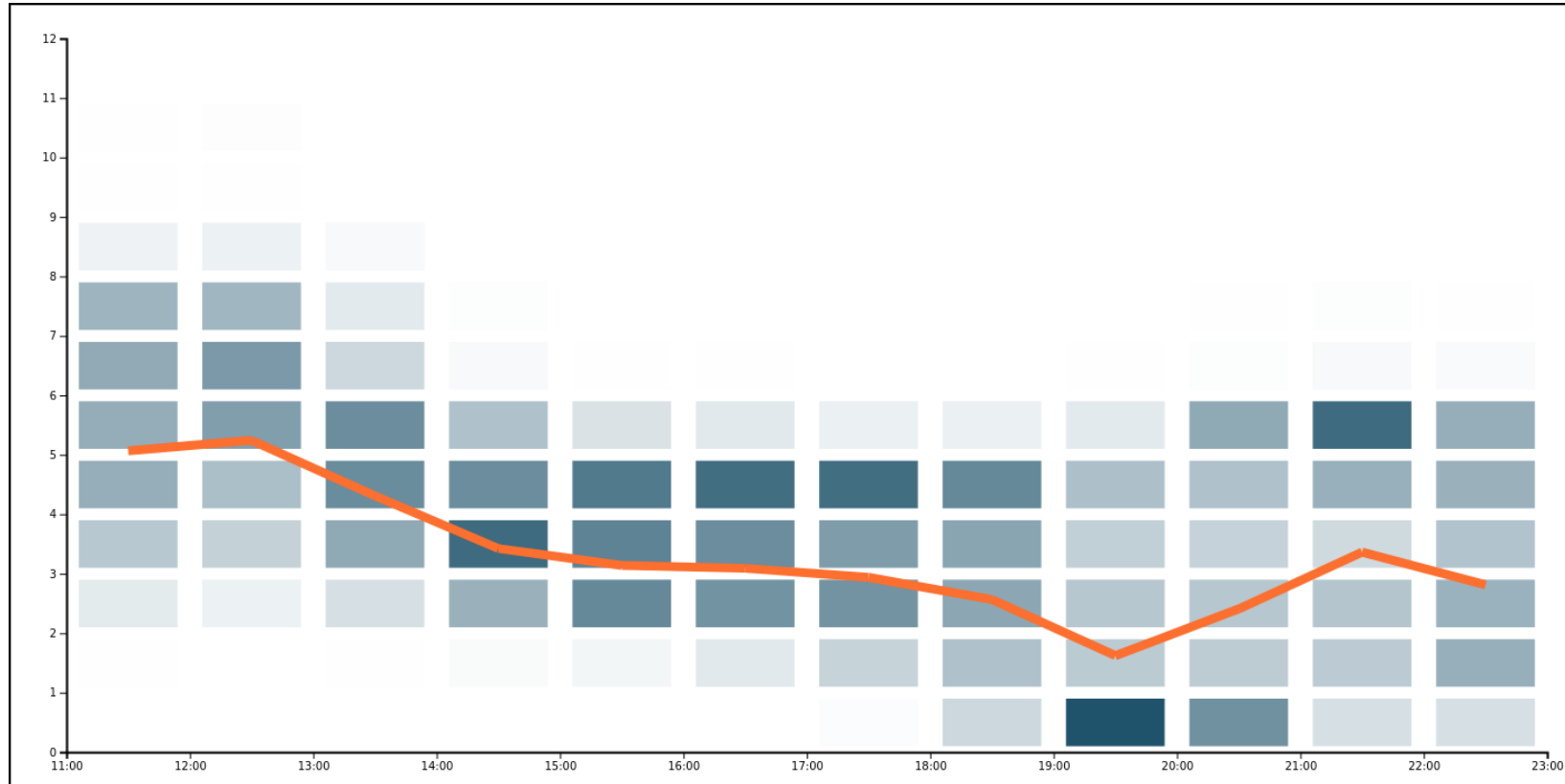
Normal day – 8am

At 9am, you can see that the number of patients arriving will continue to be more than 3 after 3pm.
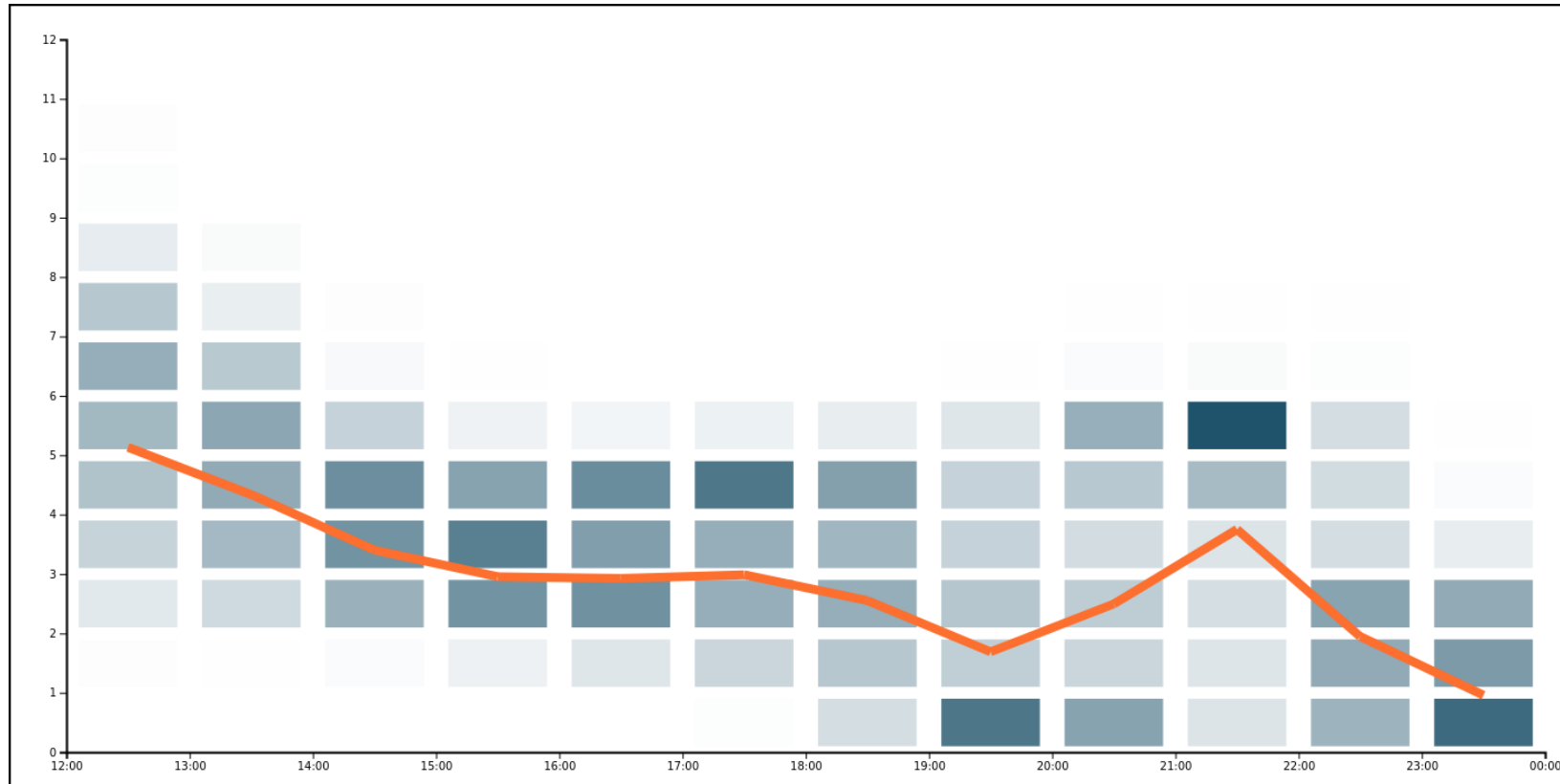
praemostro

At 10am, you can see that the there will be a spike in patients arriving after 7pm.
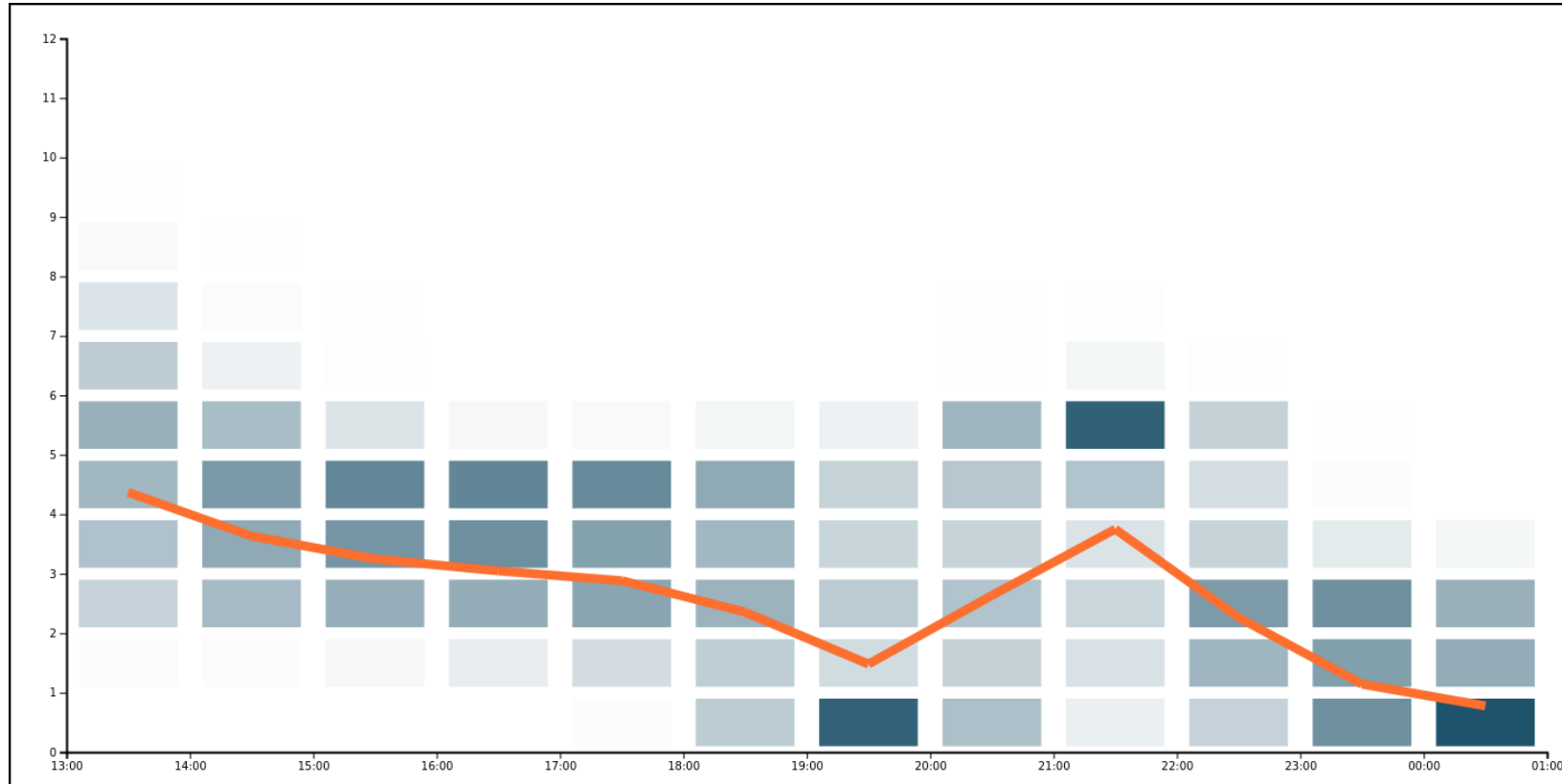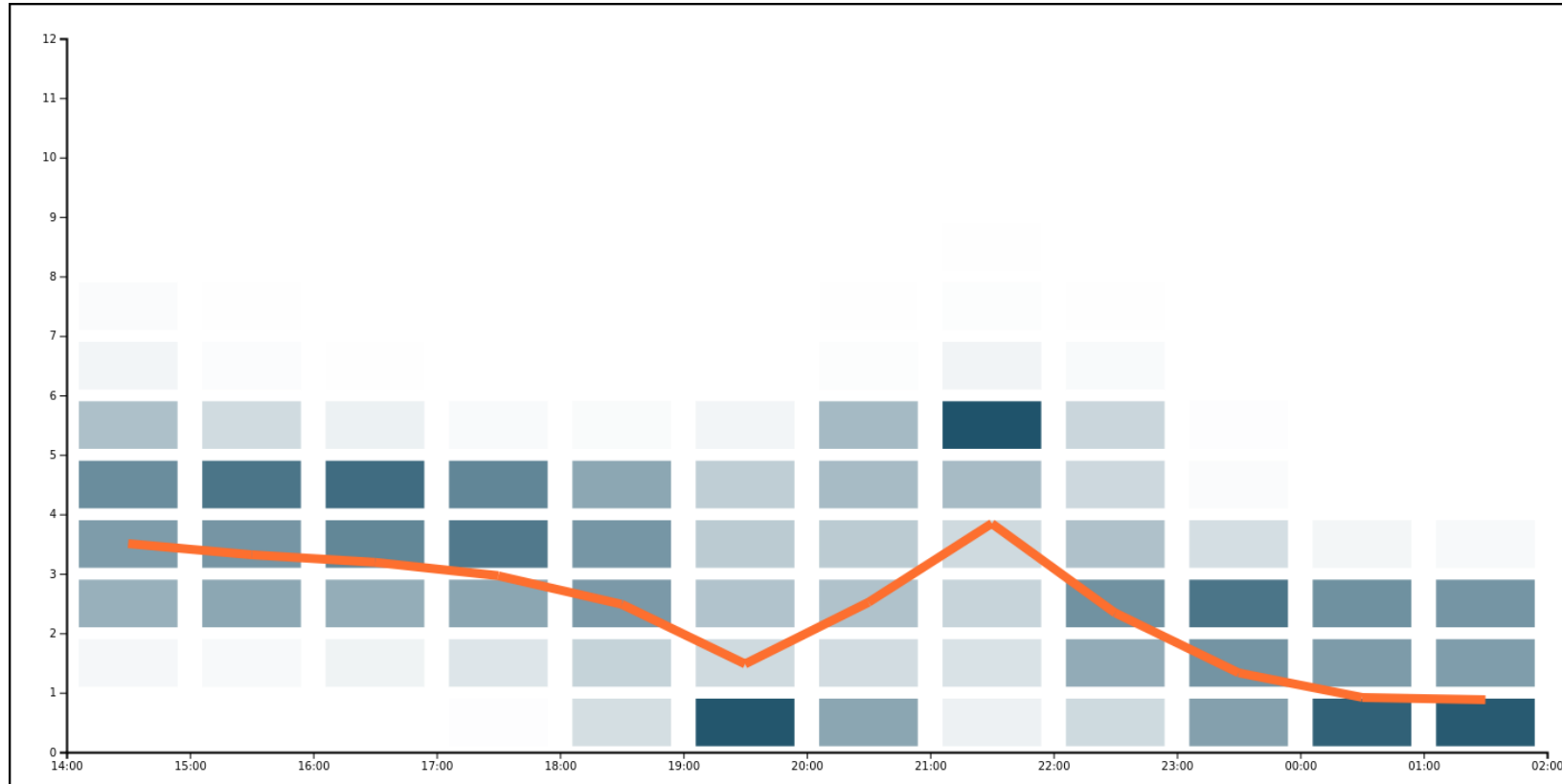
Normal day – 11am

Normal day – 12pm

At 12m, you can see that it indeed is a spike in the evening and that the number of patients will decrease quickly.

Normal day – 1pm

Normal day – 2pm

Normal day – 3pm