

Example of busy evening shift

The following forecasts are all from the same day. They have been extracted every hour between 11 am and 8pm.

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.

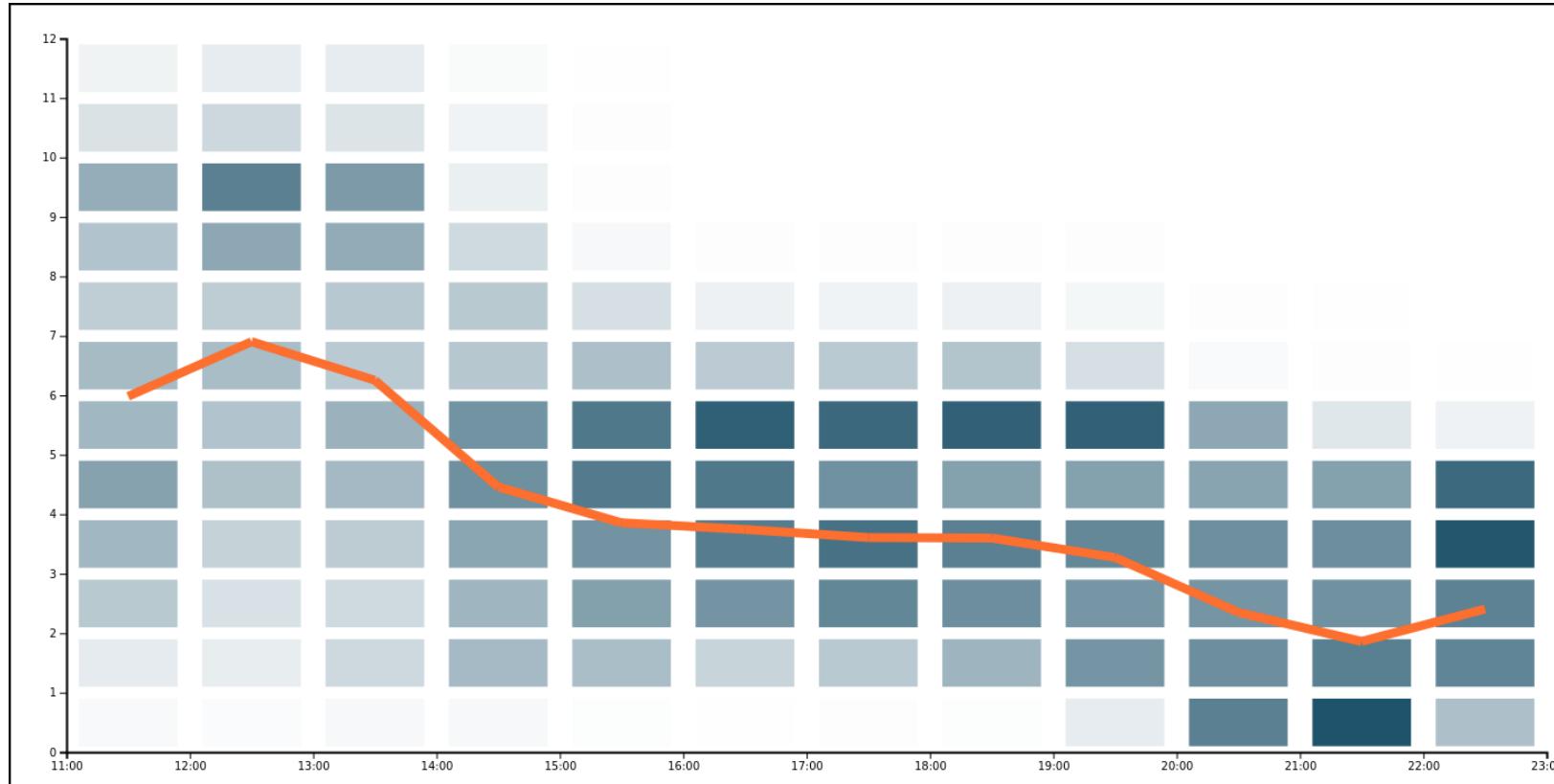
The box at the bottom of this page shows the actual number of arrivals on this day.

Day time	54
Evening	25
Night	12
Total	91

How to handle the day?

If someone calls in sick at any time of the day, you need to call someone in. And you probably need to call in next help during daytime and early evening due to the number of patients arriving.

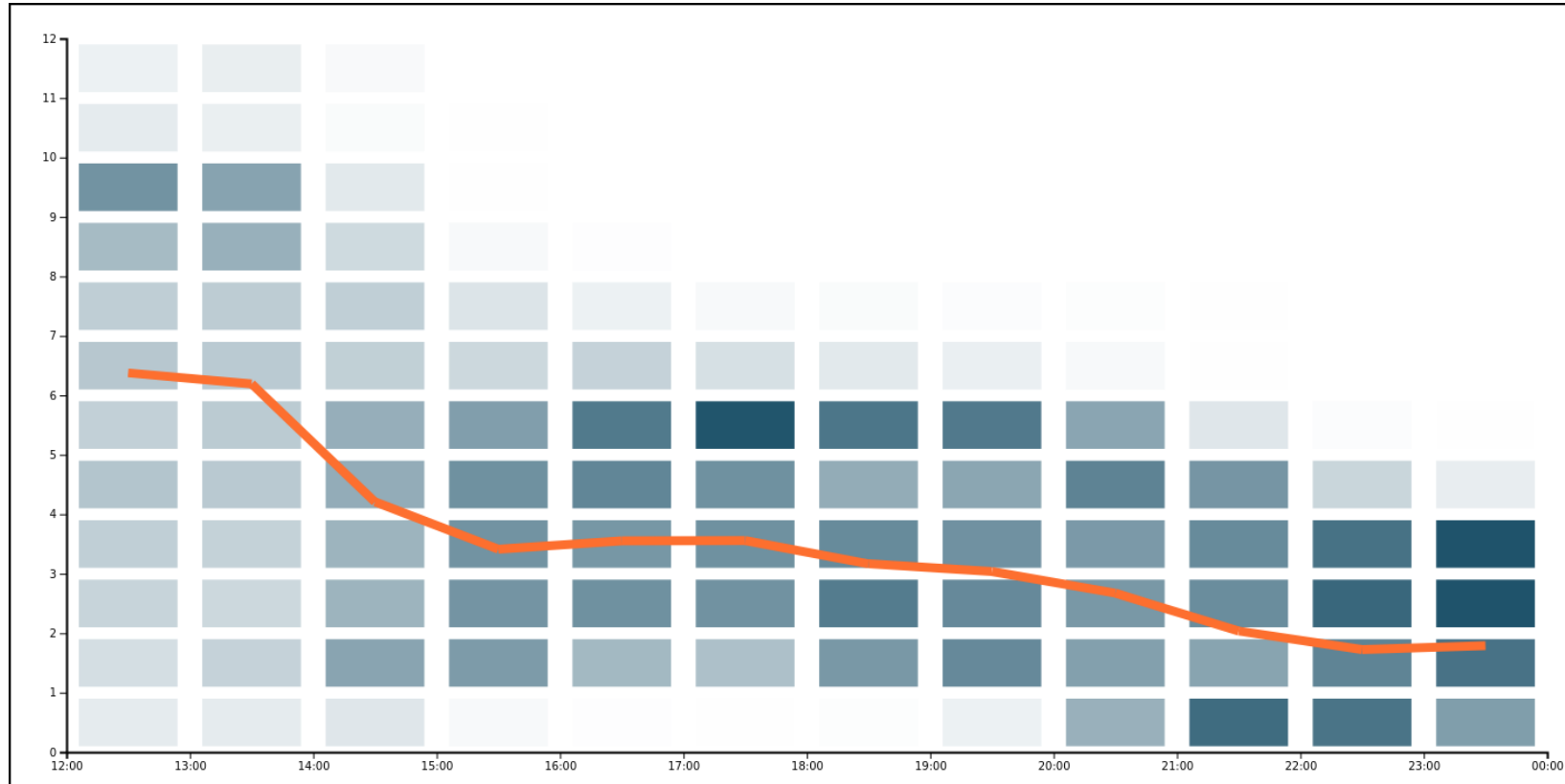
Busy evening shift – 11am



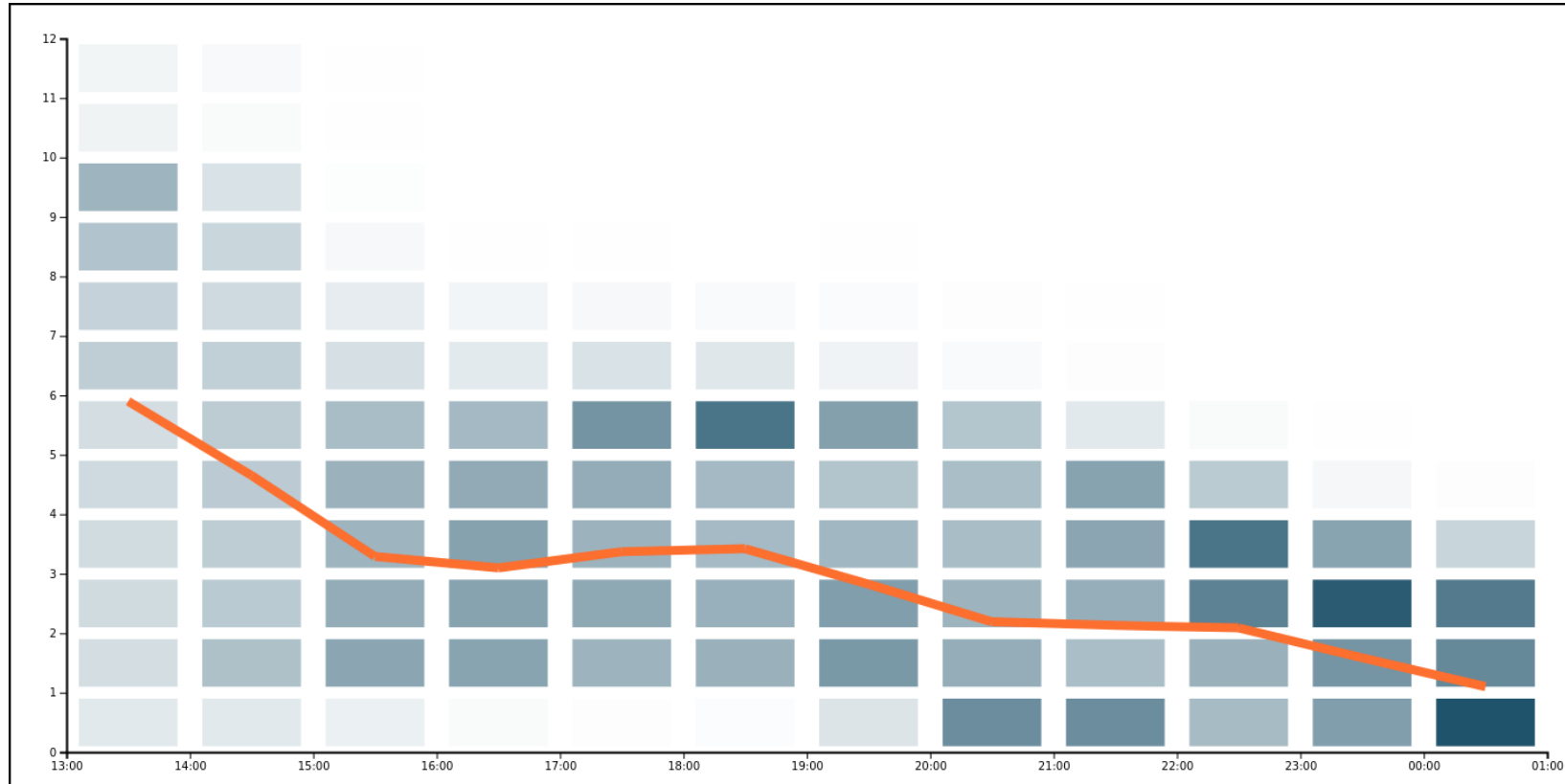
At 11am, it is obvious it is a very busy day.

The orange line indicates that between 6 and 7 patients will arrive per hour between 11am and 2pm and the blue boxes indicate that it is most likely that 5 patients will arrive per hour between 4pm and 8pm.

Busy evening shift – 12pm

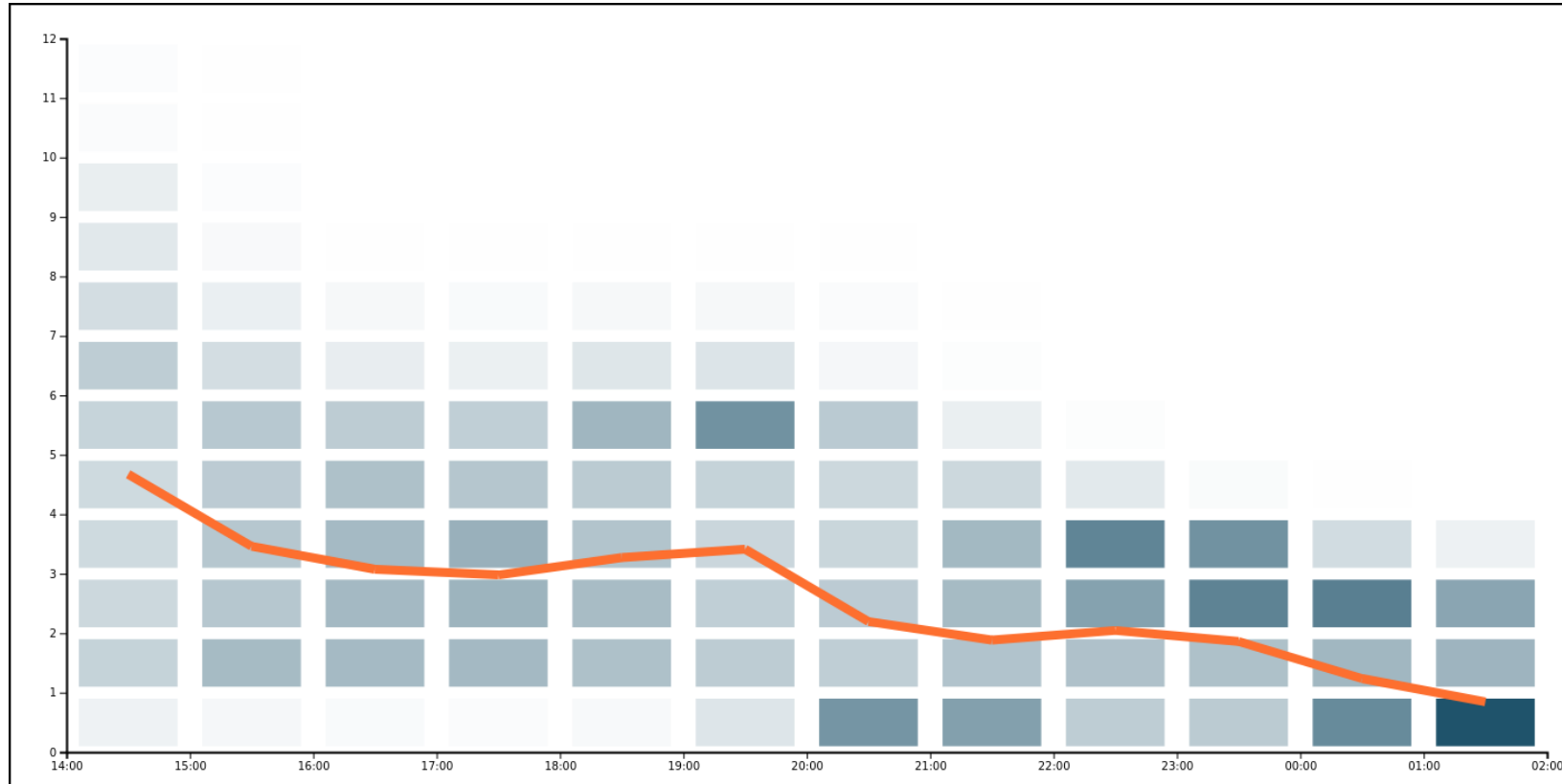


Busy evening shift – 1pm

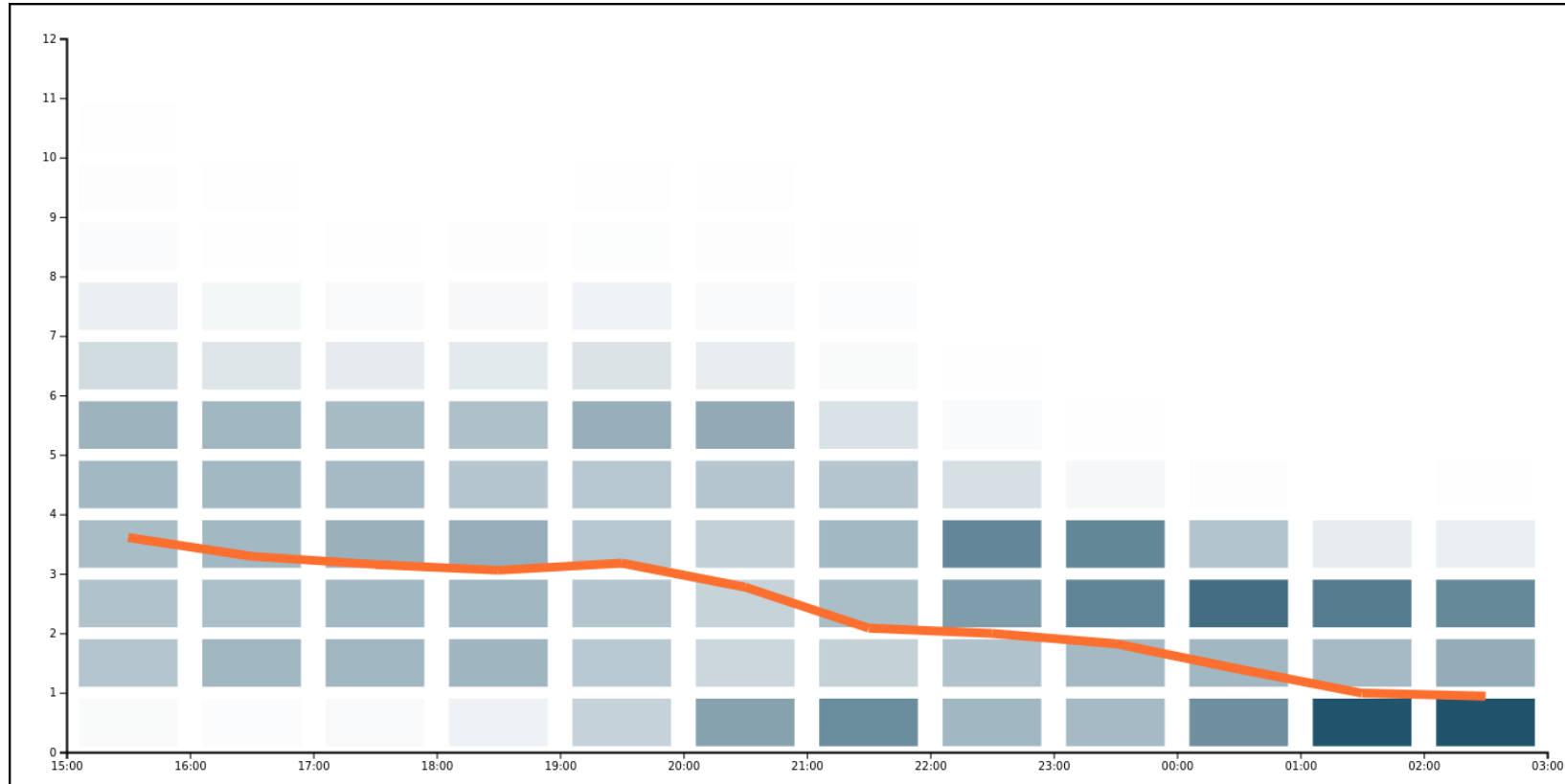


At 1pm, you can see that the evening will be busy too and that it will last into the beginning of the night shift.

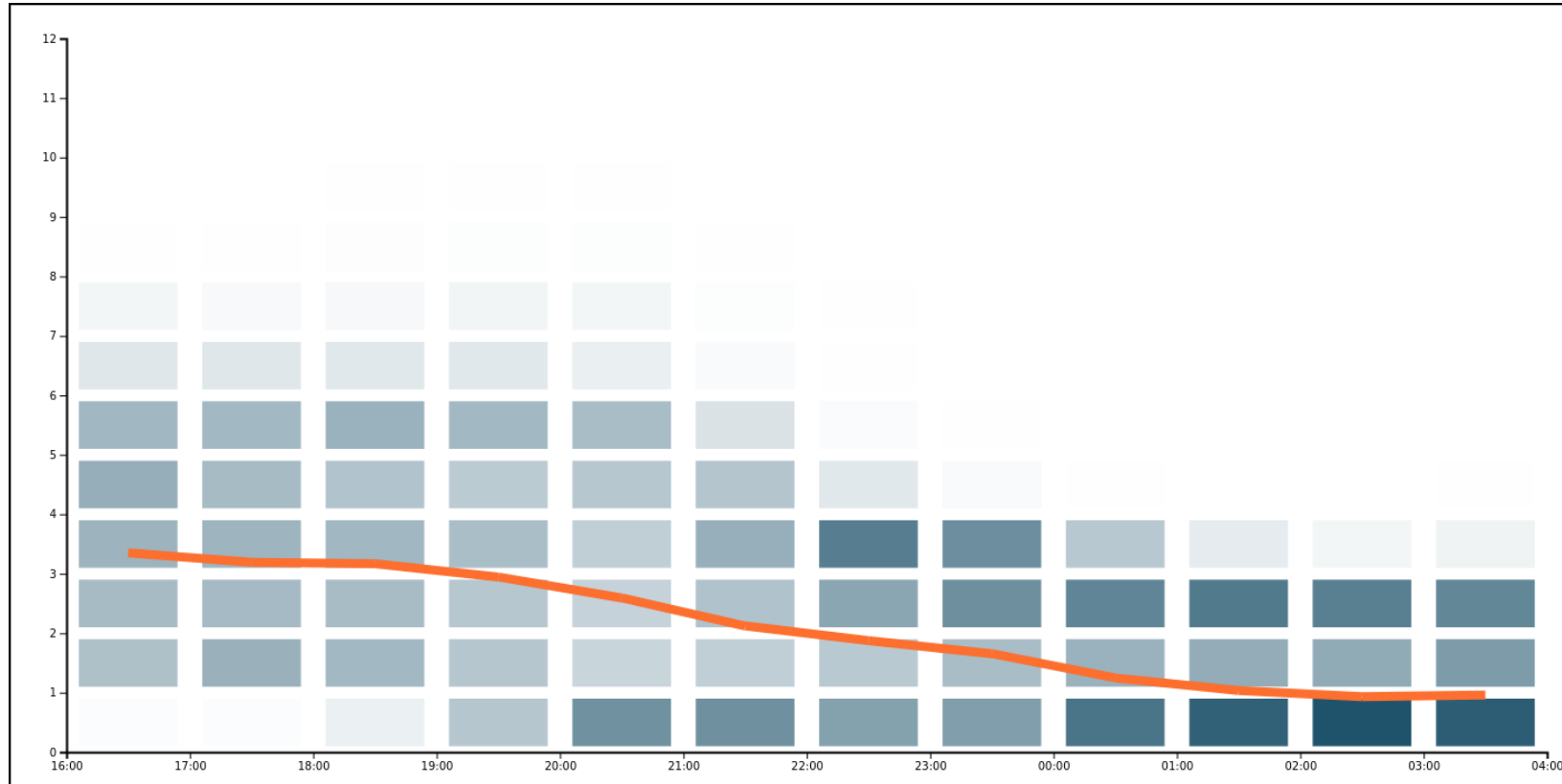
Busy evening shift – 2pm



Busy evening shift – 3pm

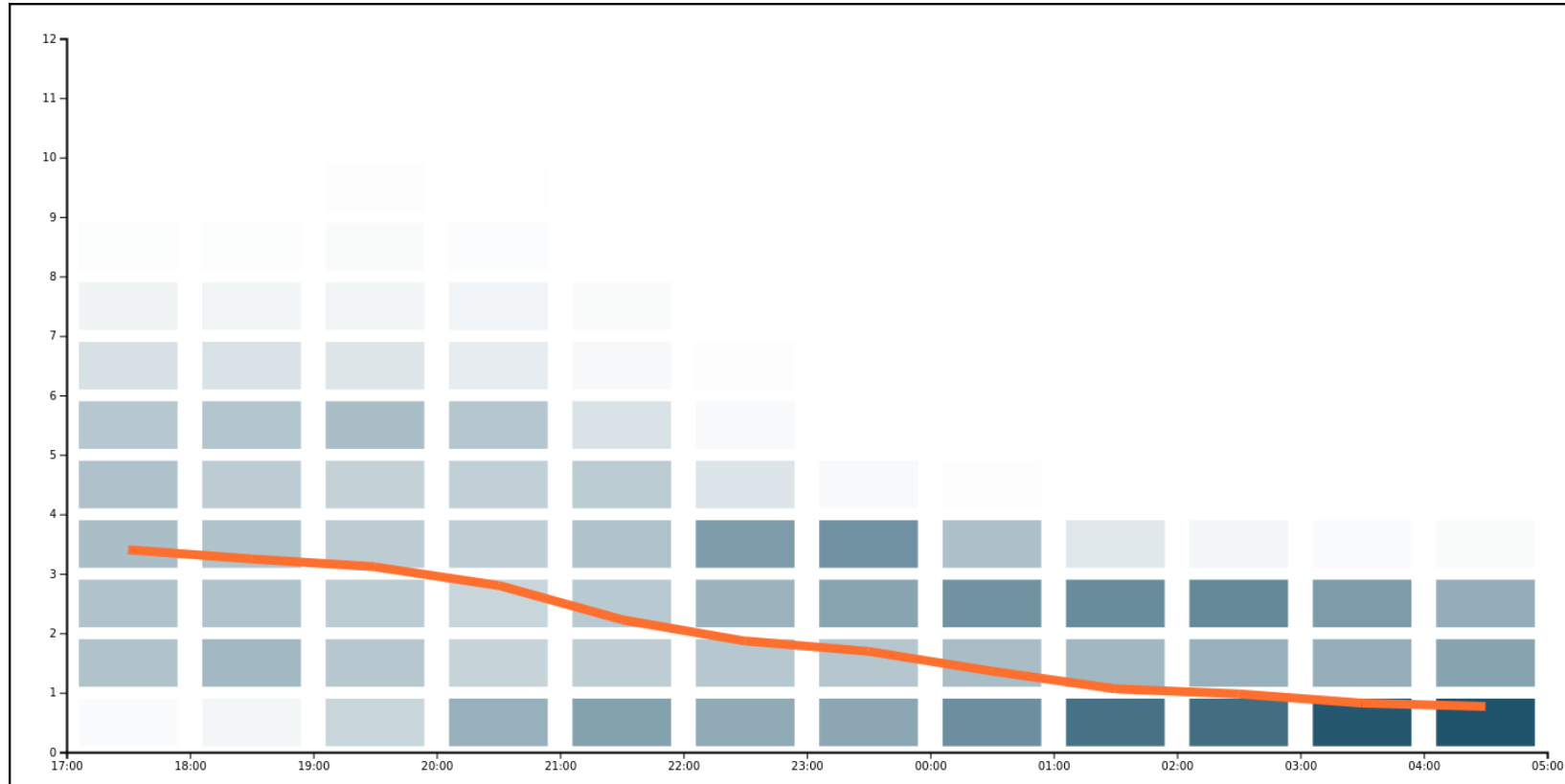


Busy evening shift – 4pm

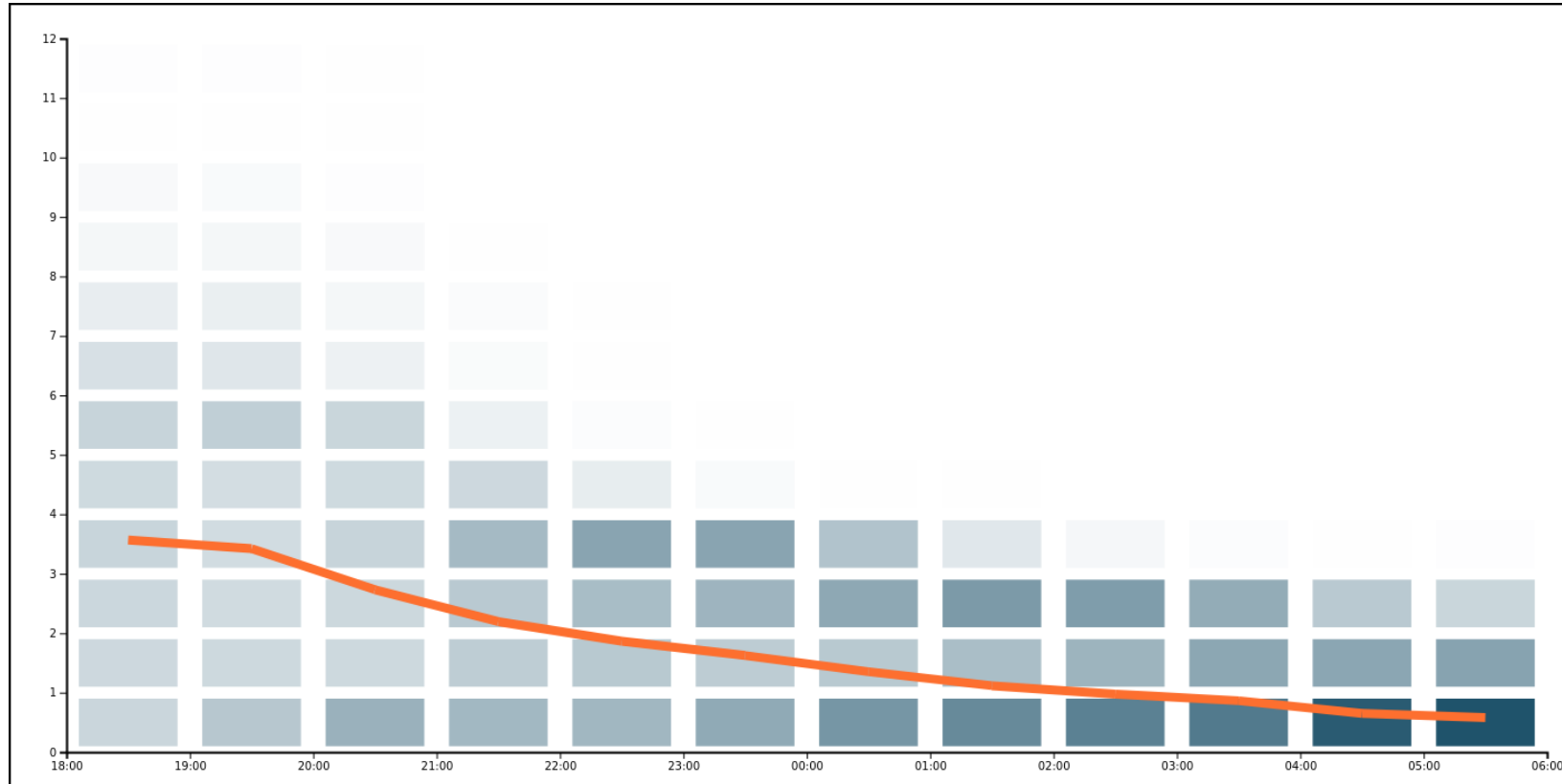


At 4pm, you can see that the night will probably be quiet but with continued arrival of patients throughout the evening.

Busy evening shift – 5pm

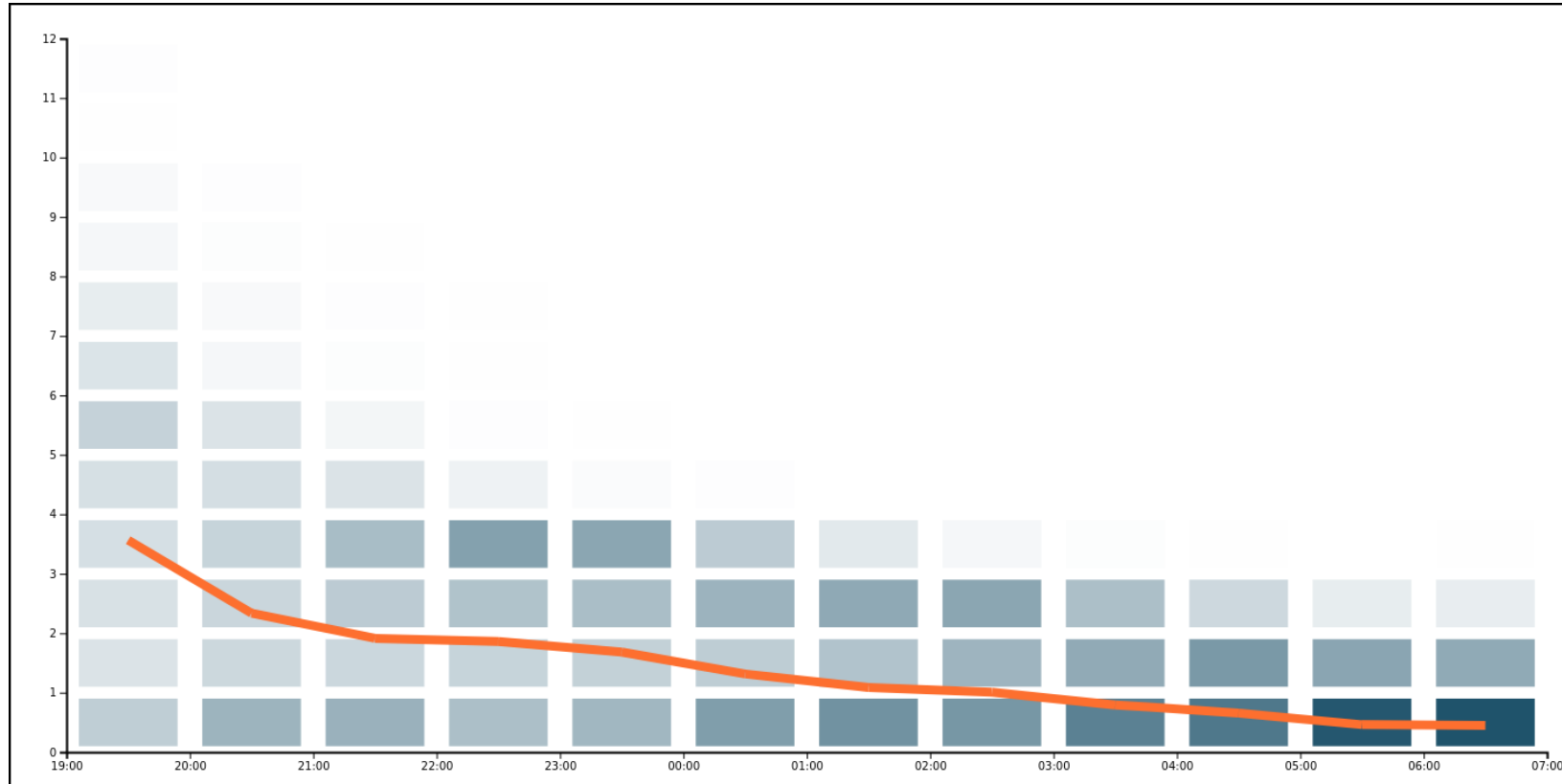


Busy evening shift – 6pm



At 6pm, you can see that patients will continue to arrive until 3pm.

Busy evening shift – 7pm



Busy evening shift – 8pm

