praemostro

Example of a busy night shift

The following forecasts are all from the same day. They have been extracted every hour between 6pm and 4 am.

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.

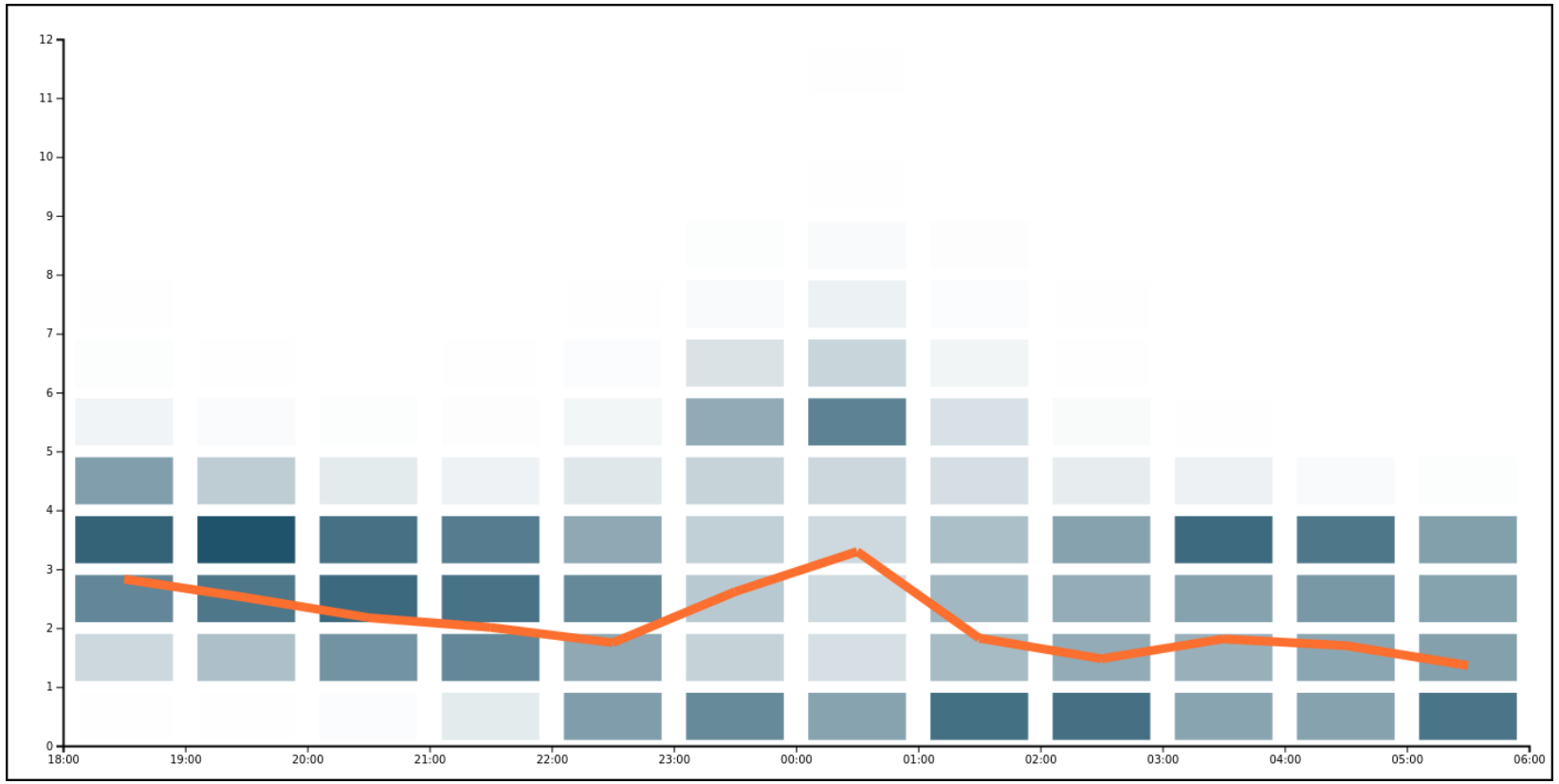
The box at the bottom of this page shows the actual number of arrivals on this day.

Day time	23
Evening	17
Night	14
Total	**54**

How to handle the night?
If someone calls in sick, the staff at hand will probably not be able to handle the patients and you should cover the sick colleague.

praemostro

Busy night shift – 6pm

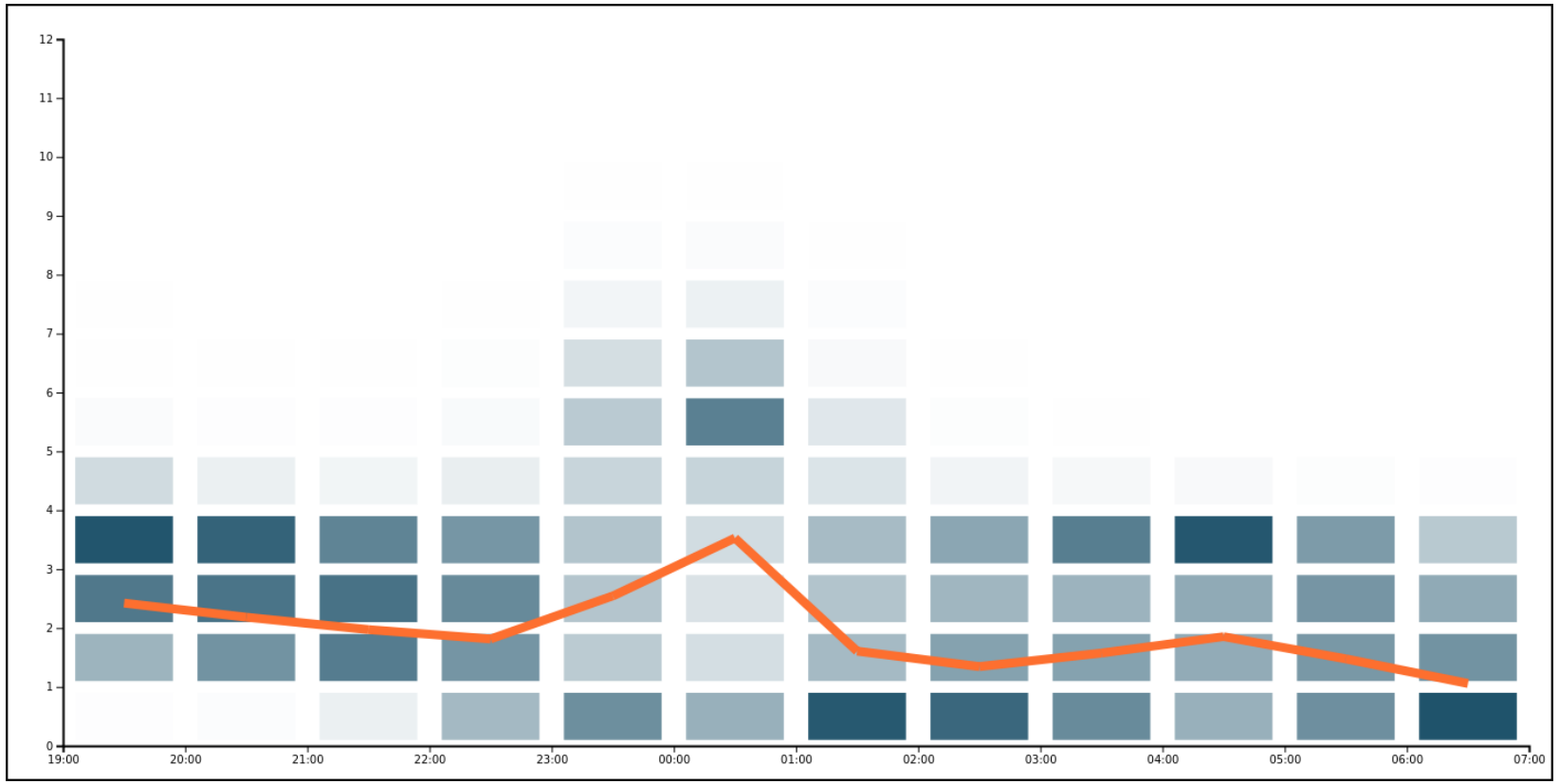


At 6pm, you can see that there will continue to arrive patients all night.

The orange line indicates that between 1 and 4 patients will arrive per hour and the blue boxes indicate that it is most likely that 3 patients will arrive per hour between 3 and 5am.

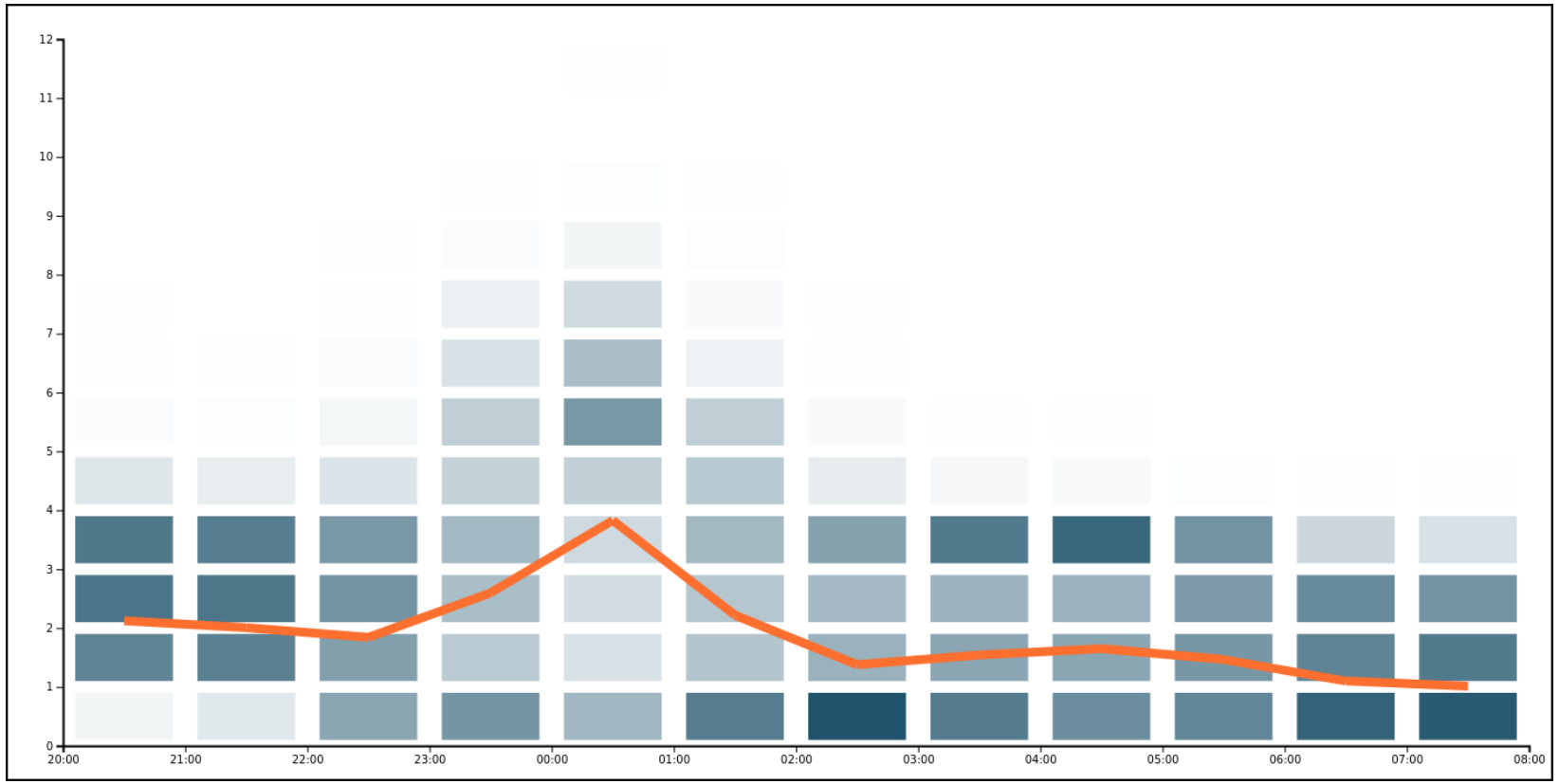
praemostro

Busy night shift – 7pm



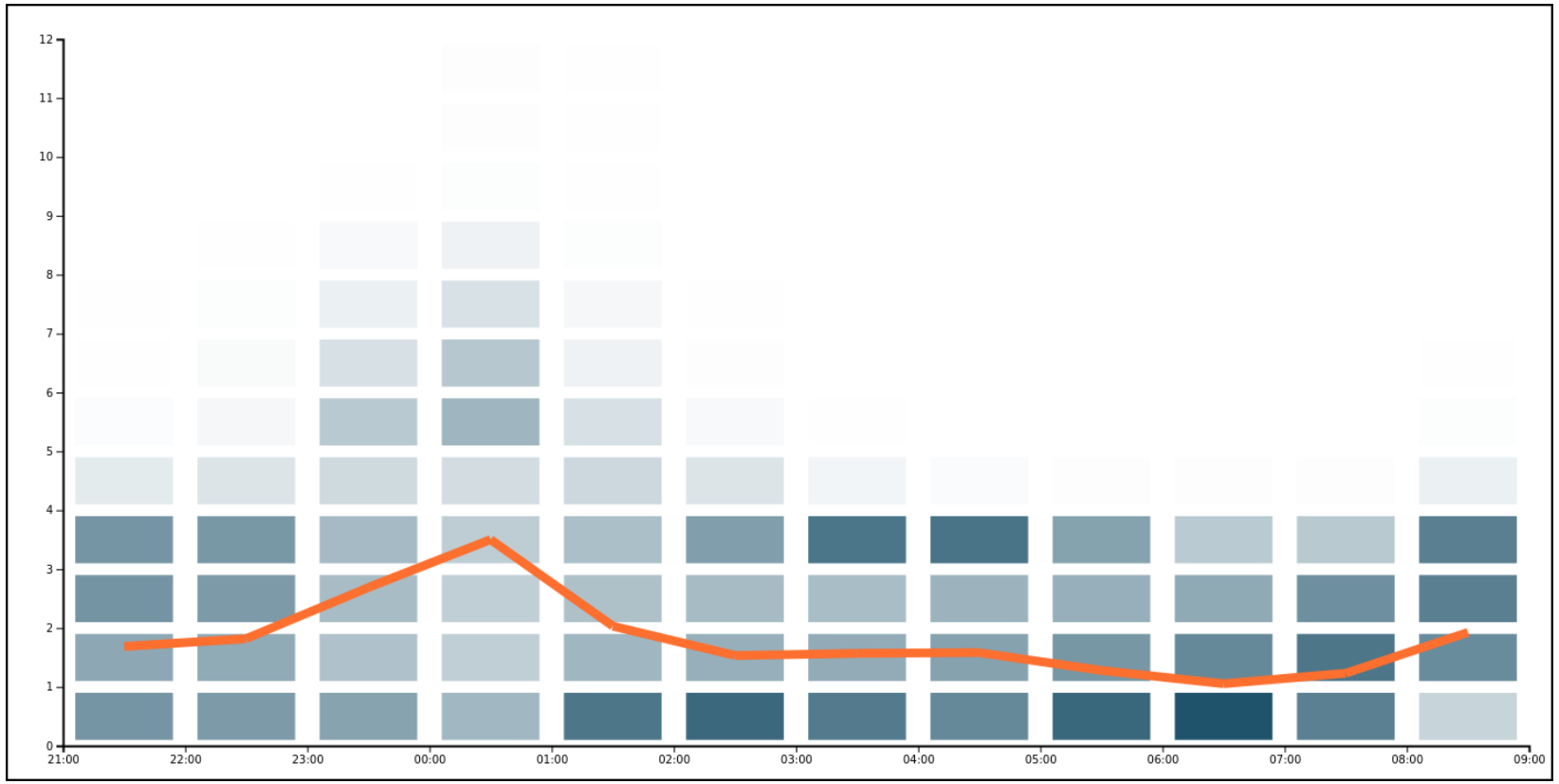
praemostro

Busy night shift – 8pm



praemostro

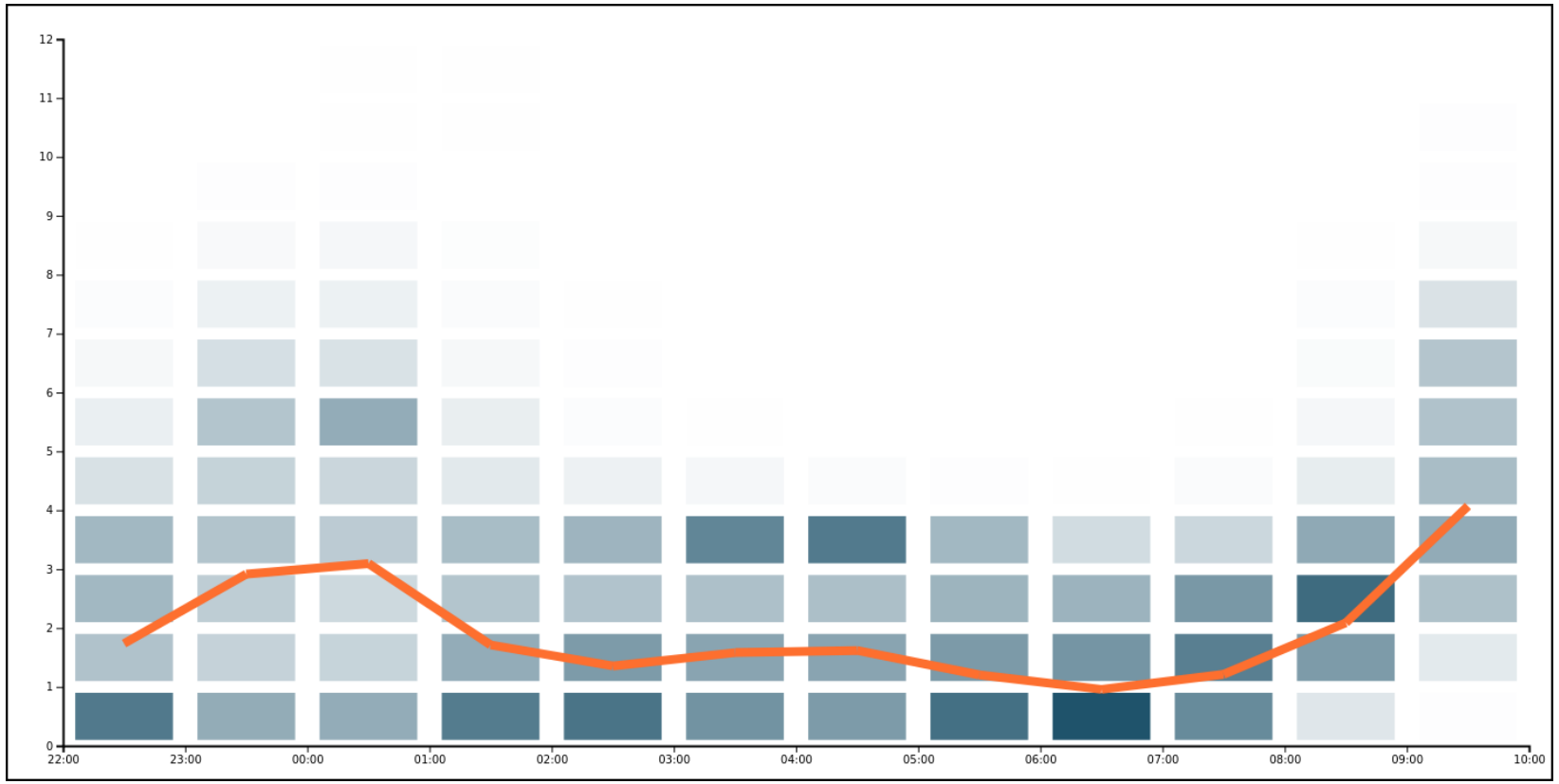
Busy night shift – 9pm



At 9pm, you can see that the model still shows that there will continue to arrive patients all night.

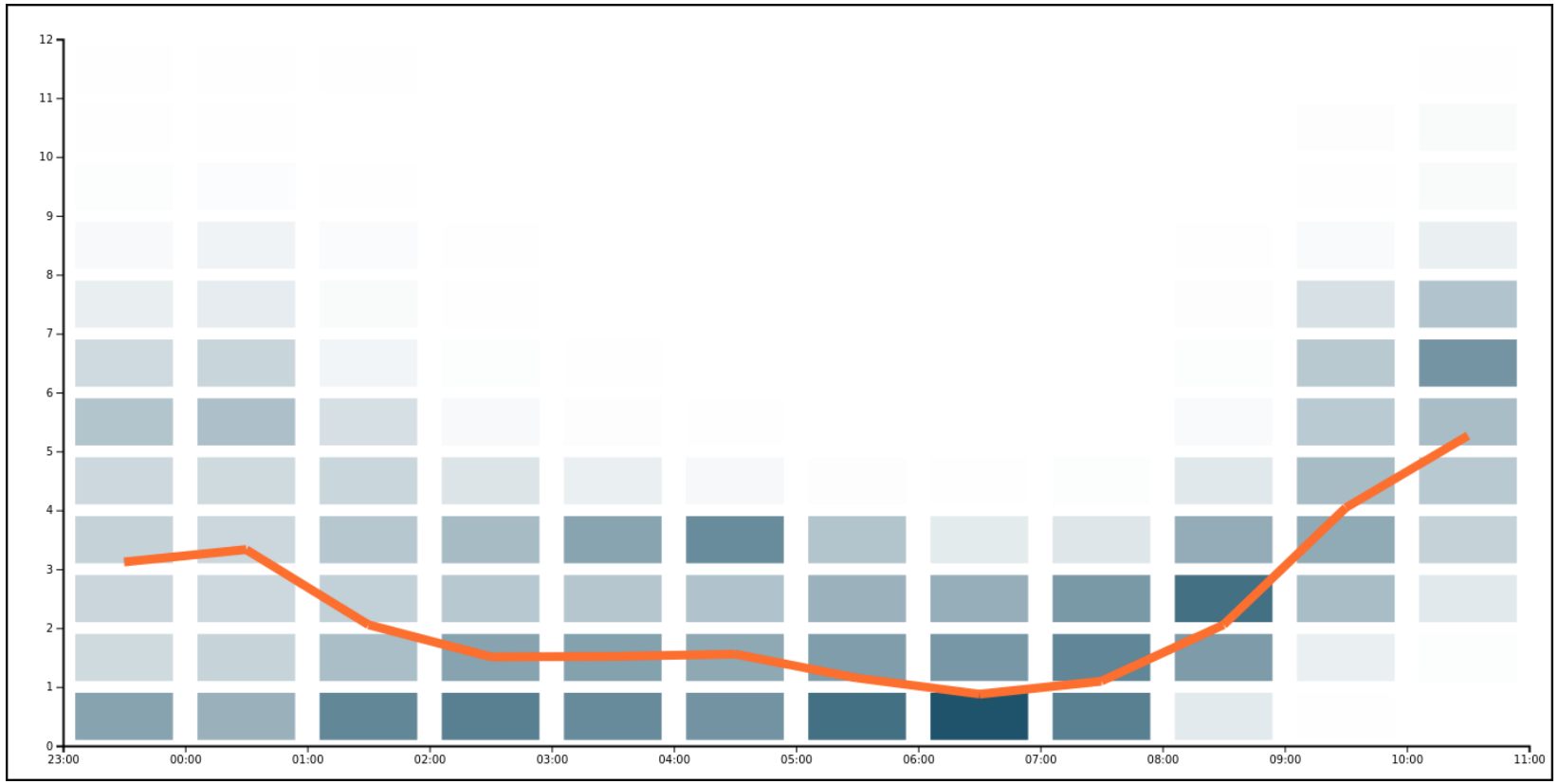
praemostro

Busy night shift – 10pm



praemostro

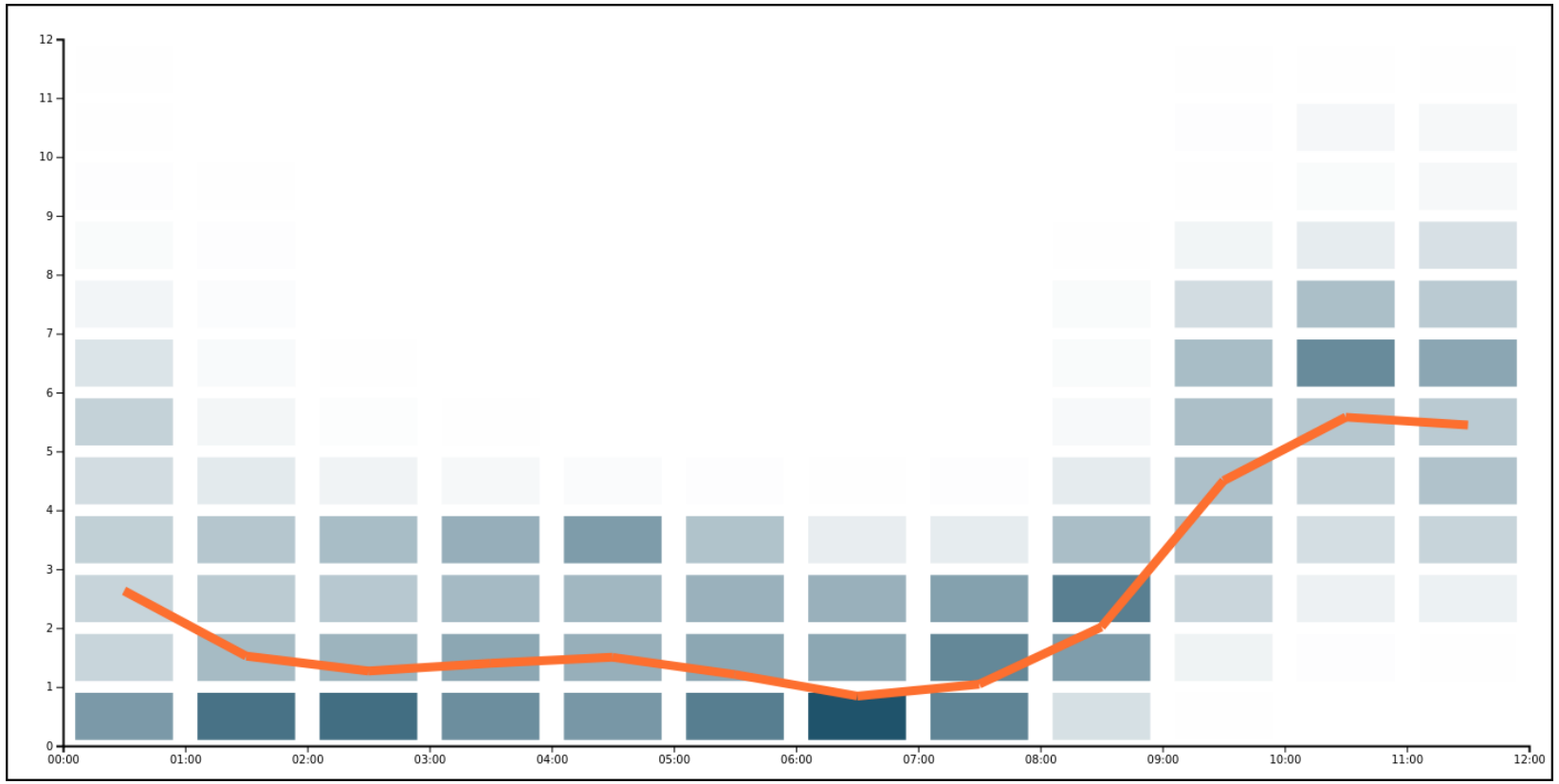
Busy night shift – 11pm



At 11pm, you can see that the model still shows that there will continue to arrive patients all night. The number of patients will increase after 8am.

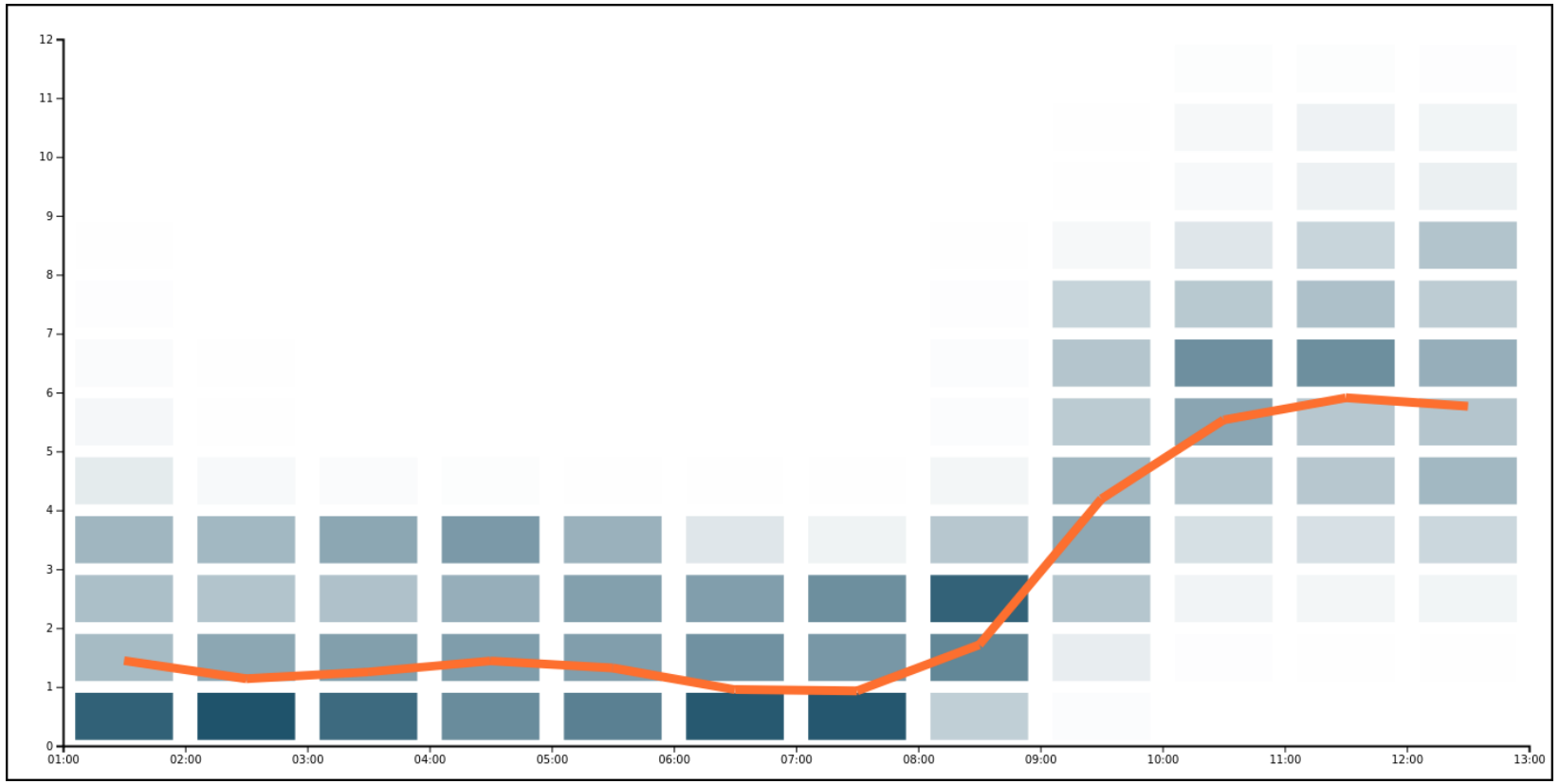
praemostro

Busy night shift – 12am



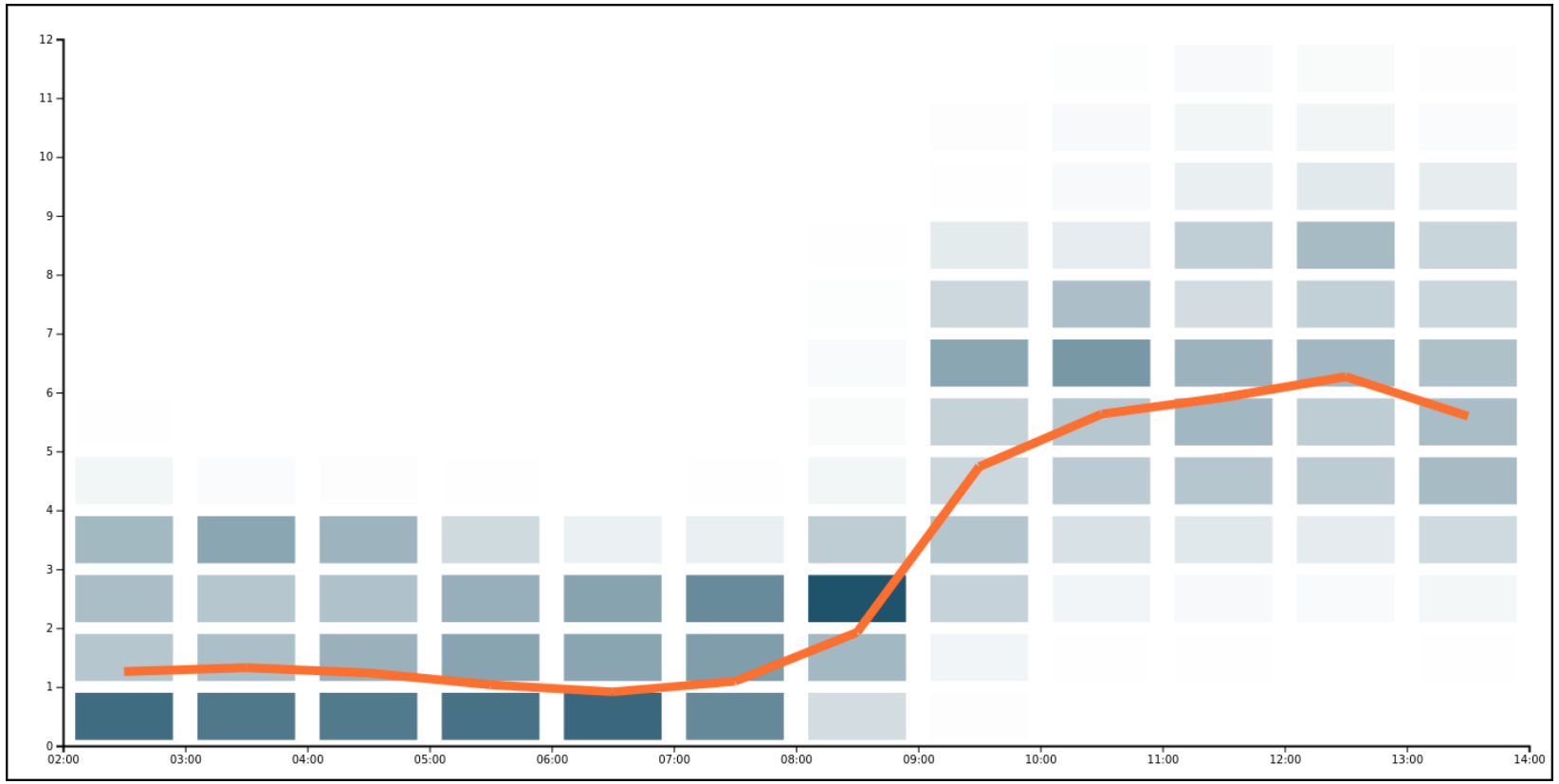
praemostro

Busy night shift – 1am



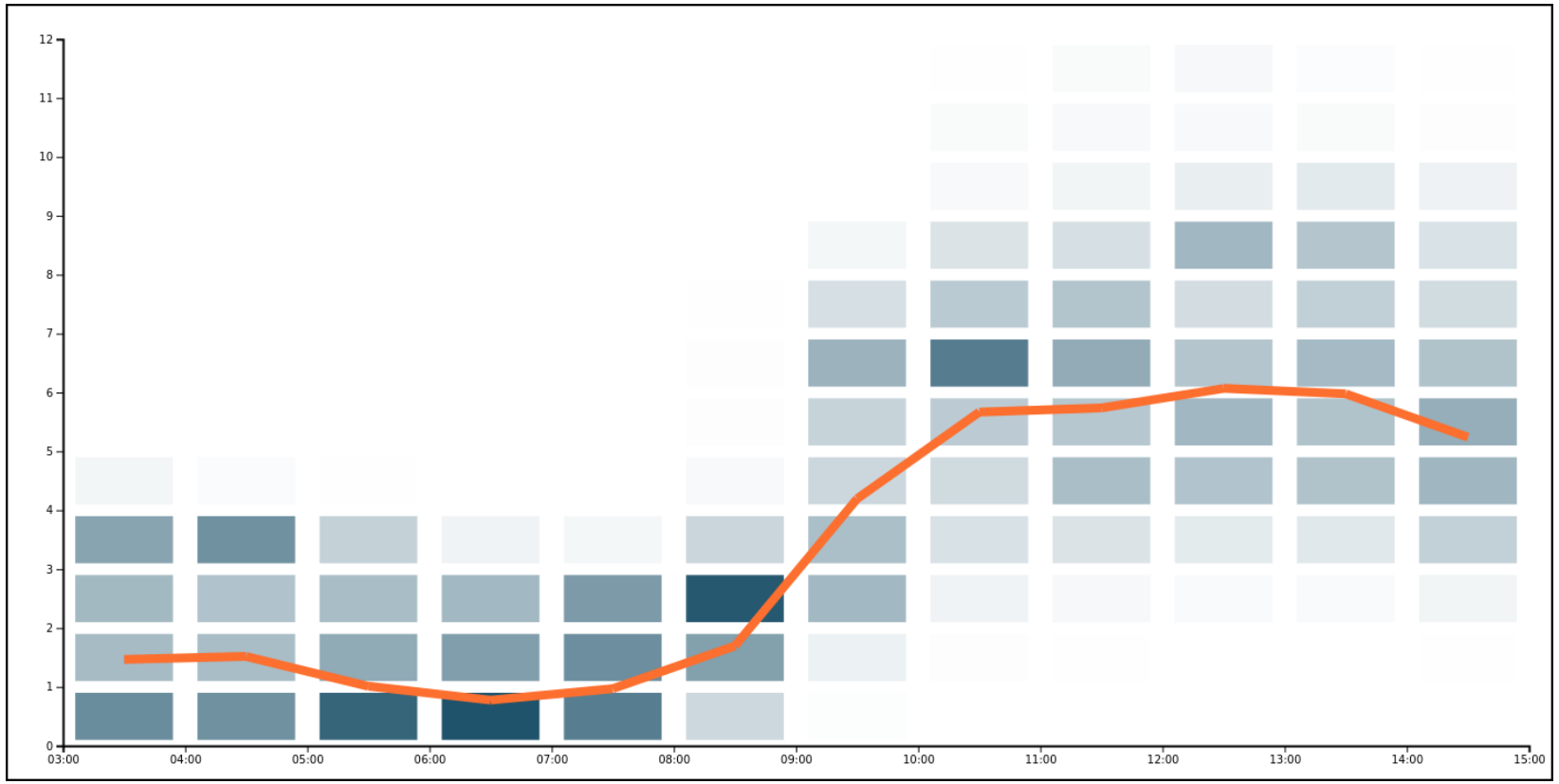
praemostro

Busy night shift – 2am



praemostro

Busy night shift – 3m



praemostro

Busy night shift – 4am