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Example of a quiet 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.

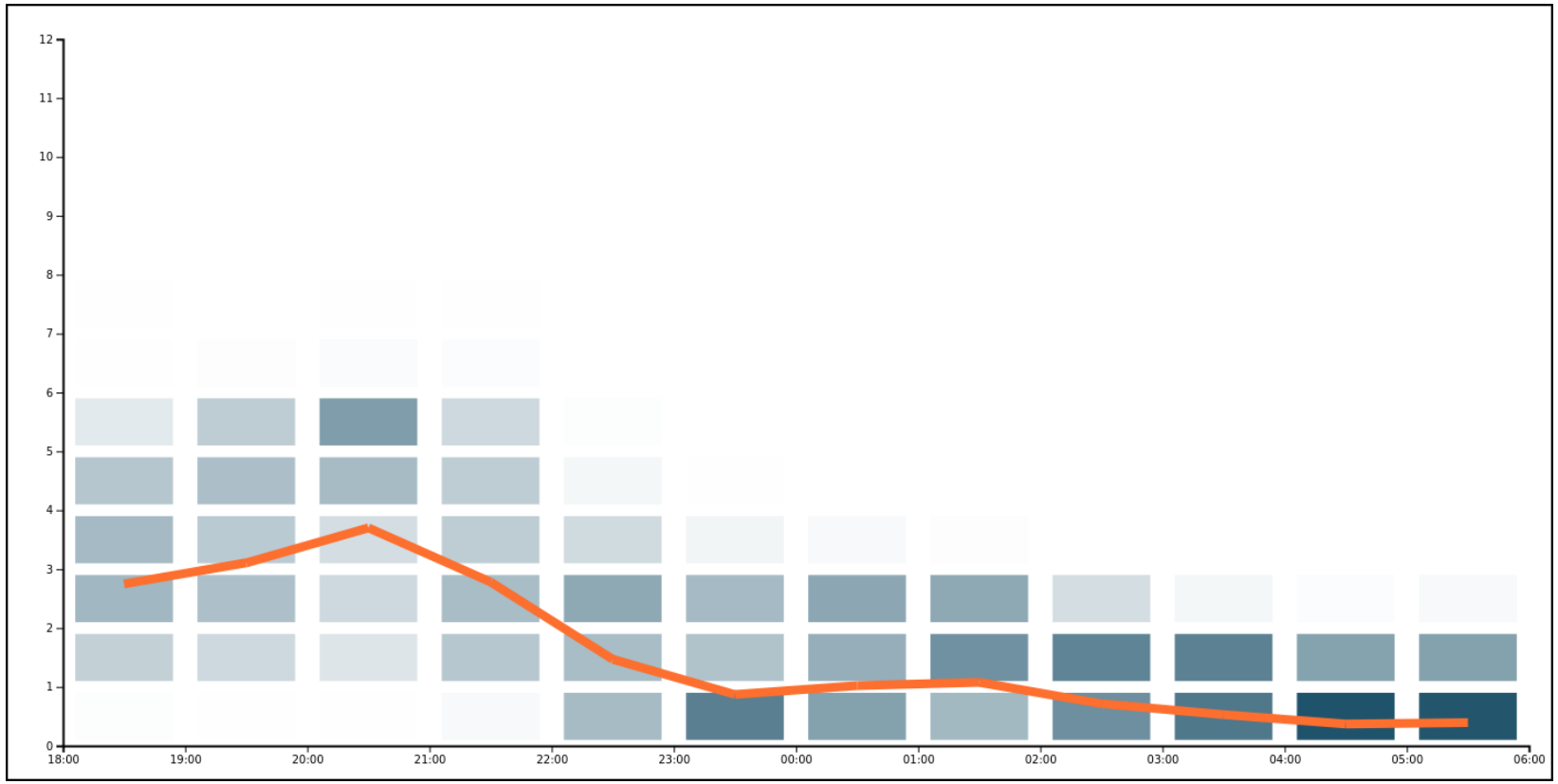
The example is based on simulated data from a small Danish emergency department.

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

Day time	25
Evening	23
Night	4
Total	**52**

How to handle the night?
If someone calls in sick, the staff at hand should be able to handle the patients and there is no need to call anyone in.

Quiet night shift – 6pm



At 6pm, you can see that very few patients will arrive at night.

The orange line indicates that between 0 and 1 patients will arrive per hour after 11pm and the blue boxes indicate that it is most likely that 0 patients will arrive per hour after 3am.

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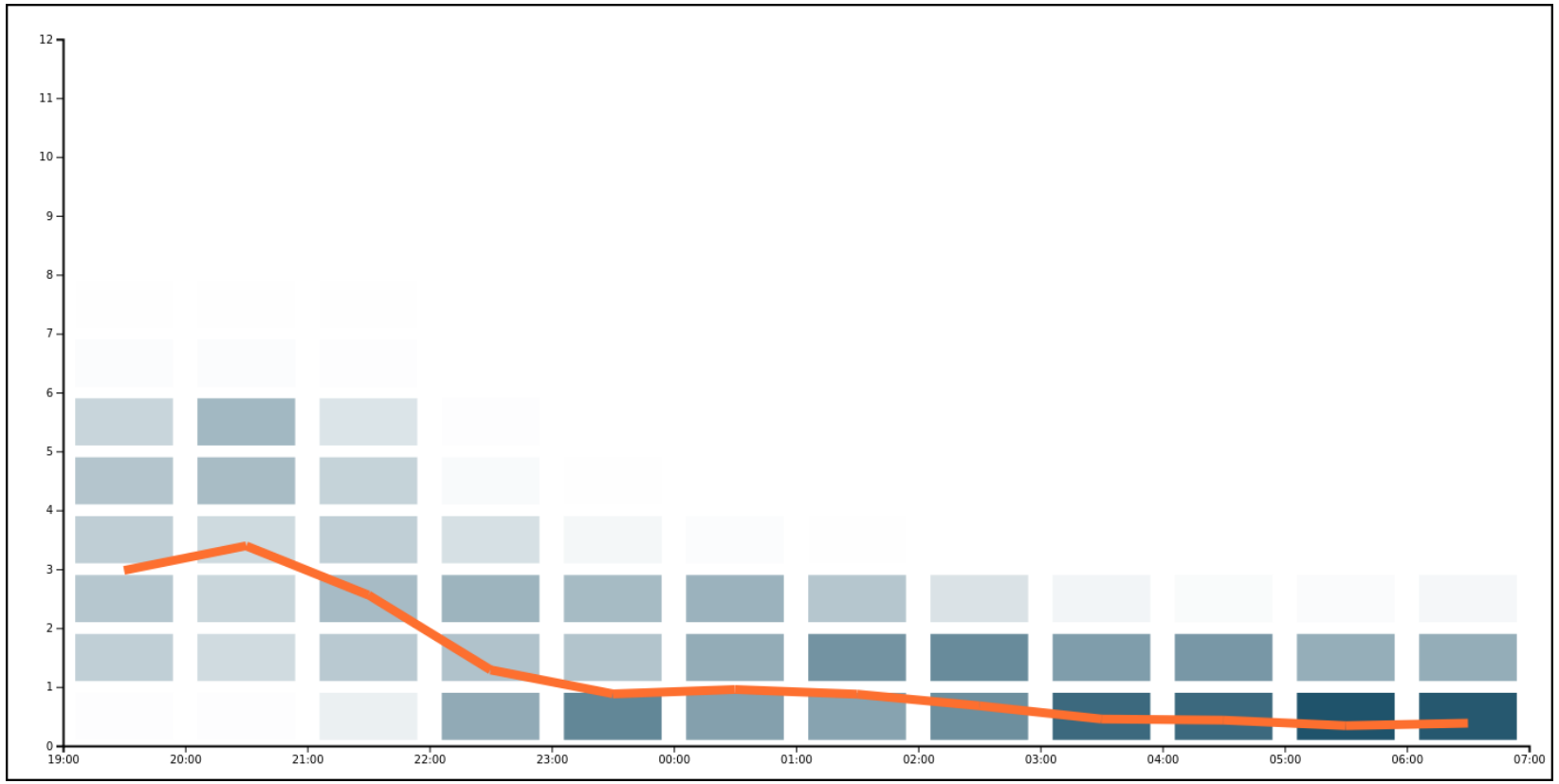
Quiet night shift – 7pm



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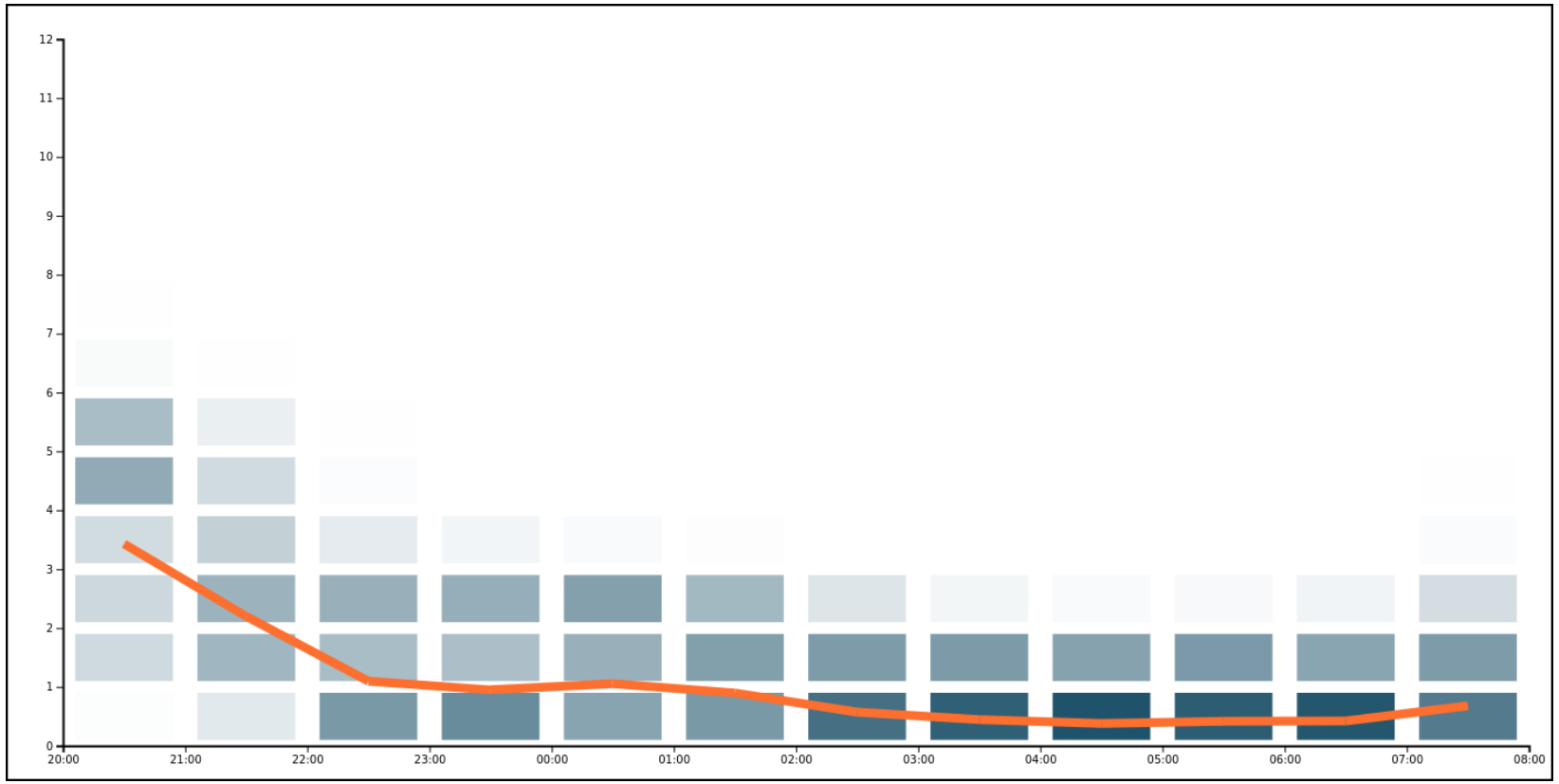
Quiet night shift – 8pm



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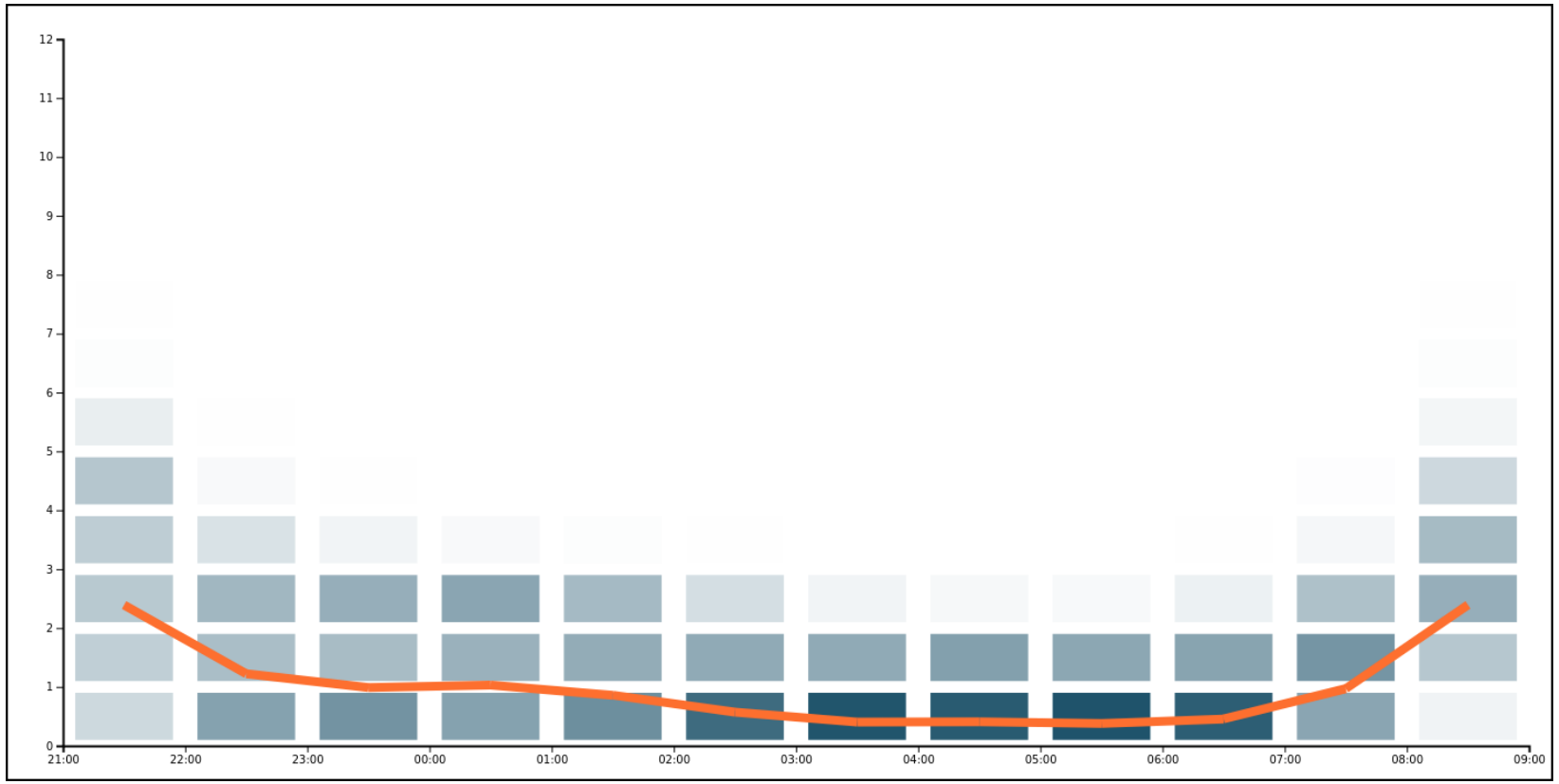
Quiet night shift – 9pm



At 9pm, you can see that the model still shows that it will be a quiet night.

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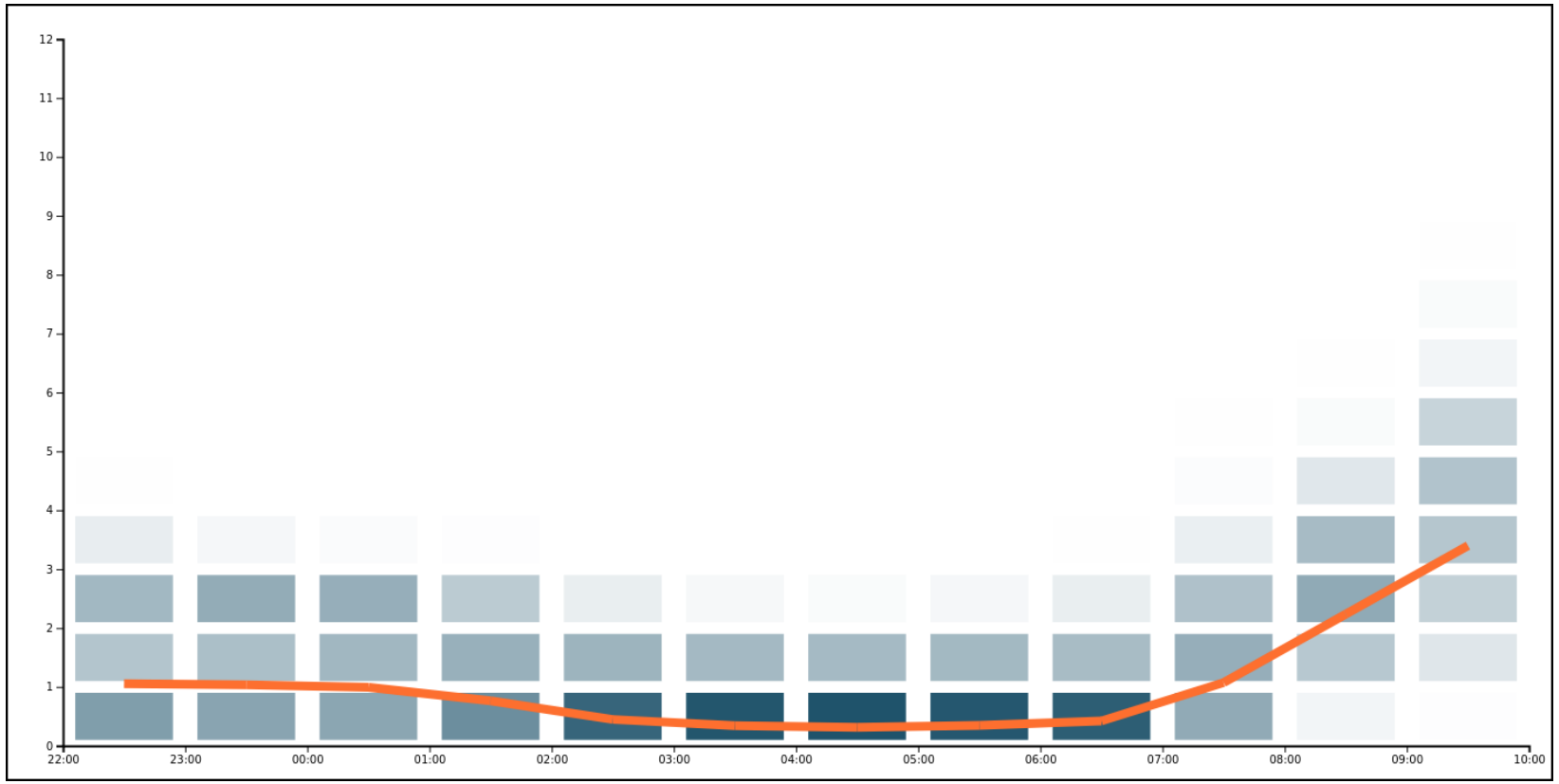
Quiet night shift – 10pm



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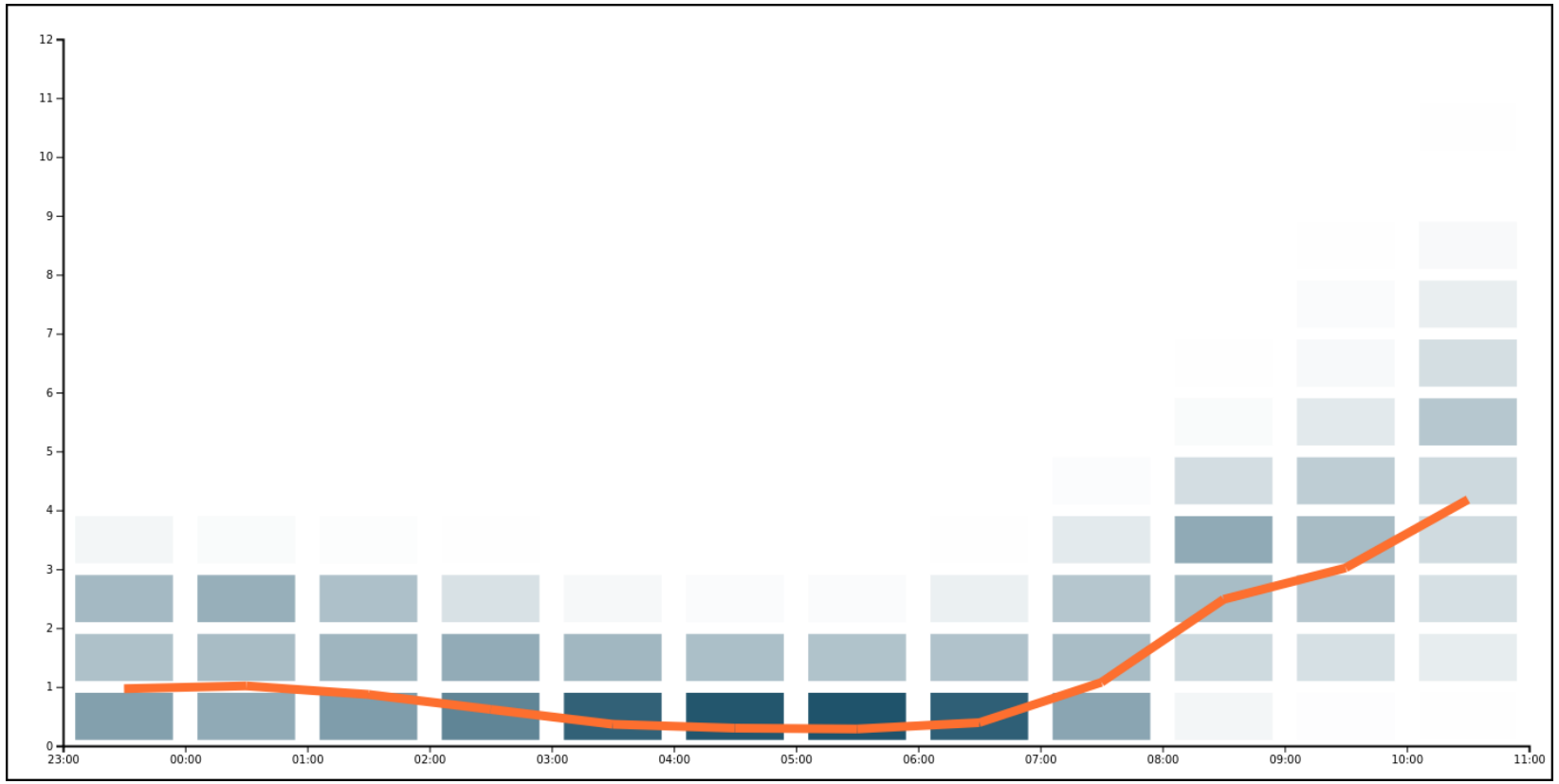
Quiet night shift – 11pm



At 11pm, you can see that the model still shows that only very few patients will at night. The number of patients will increase after 7am.

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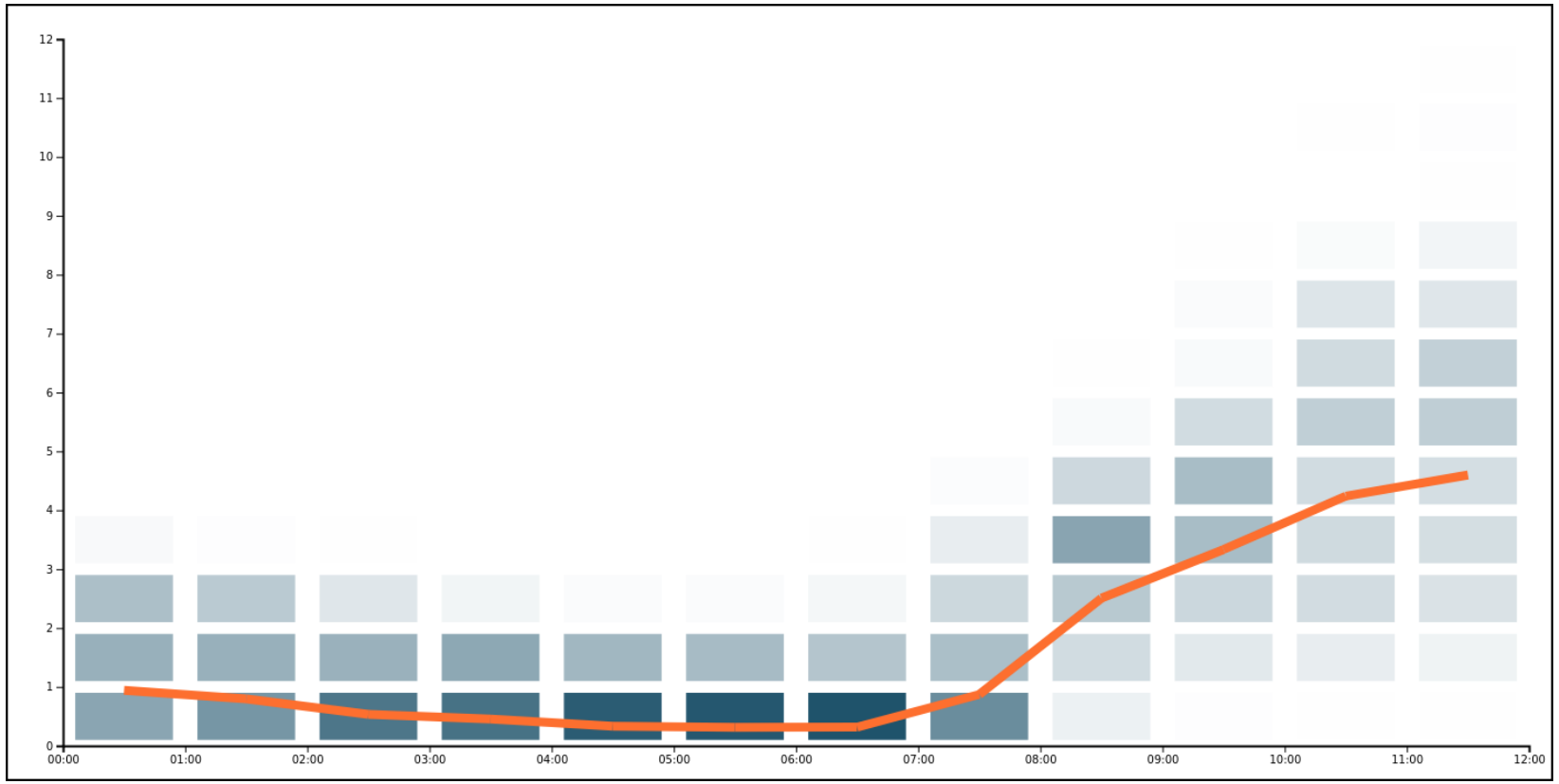
Quiet night shift – 12am



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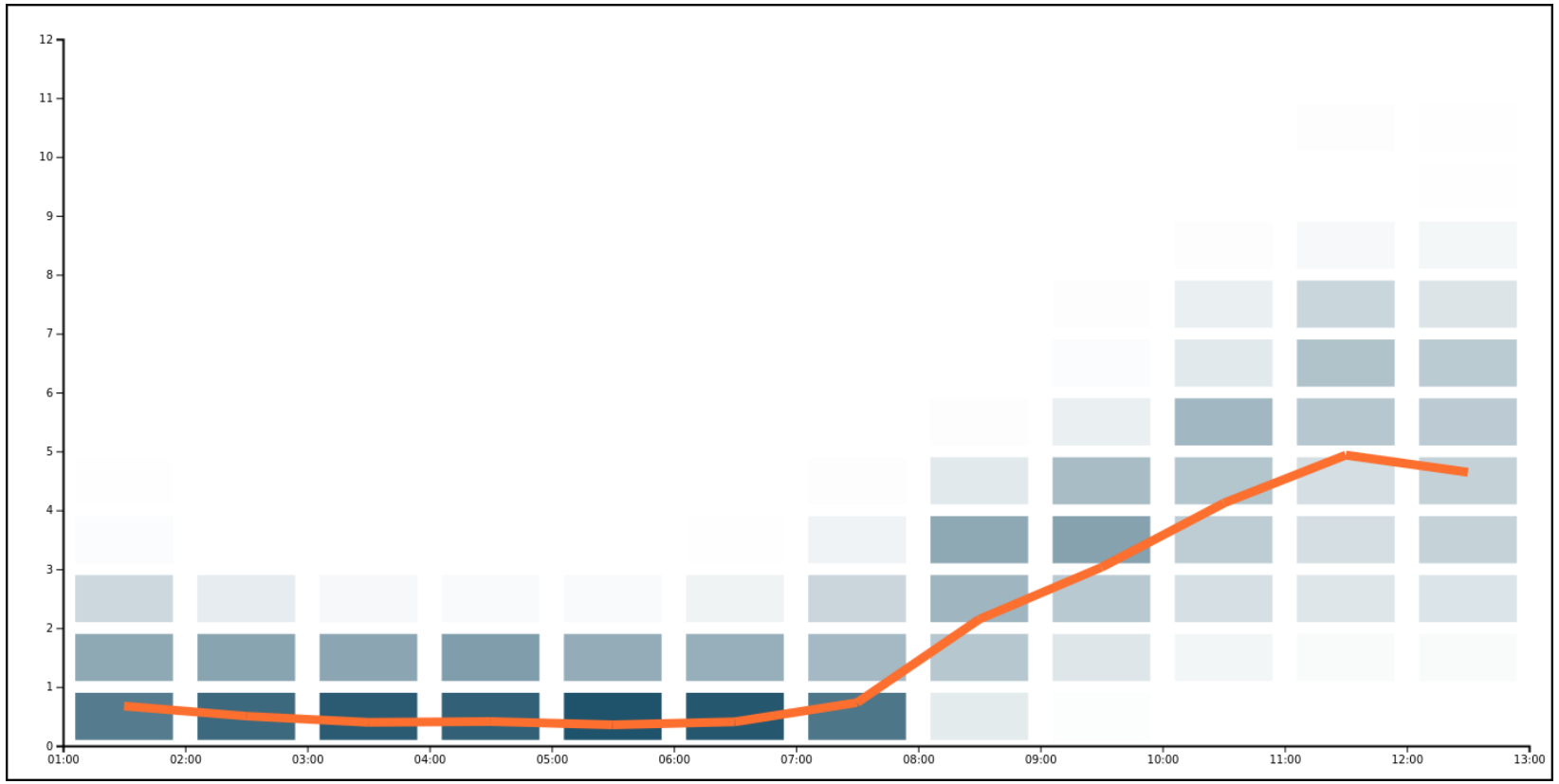
Quiet night shift – 1am



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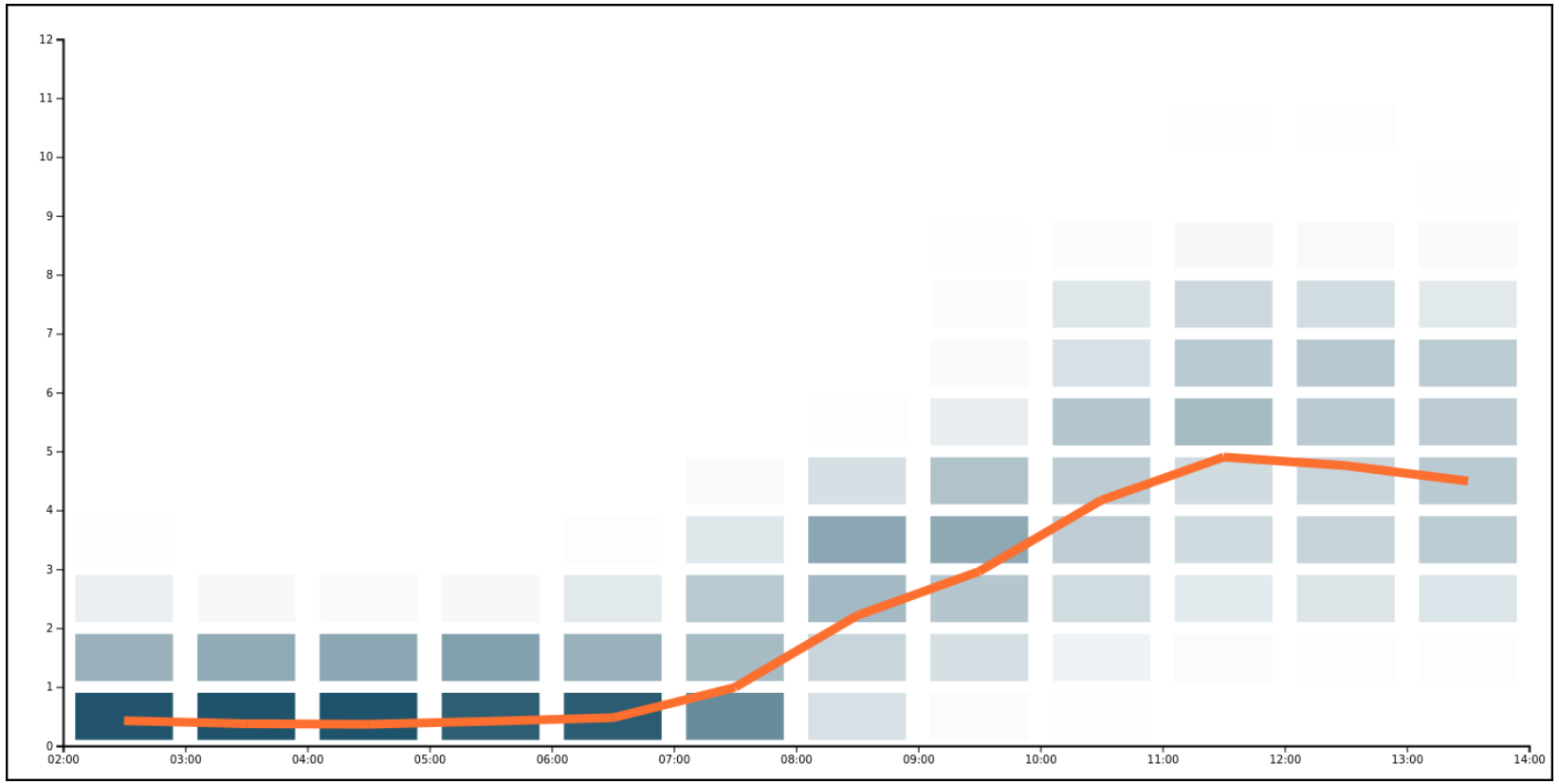
Quiet night shift – 2am



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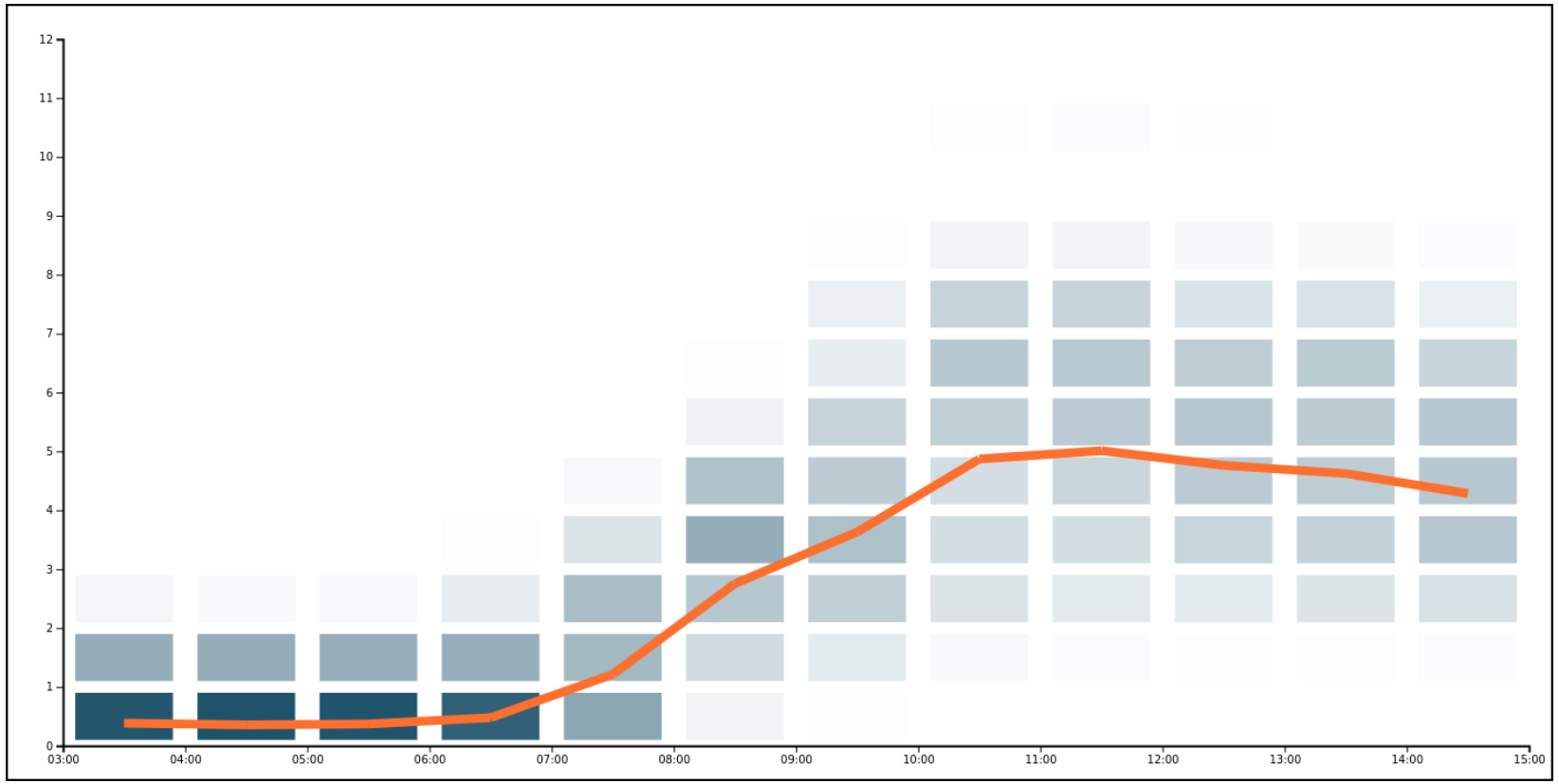
Quiet night shift – 3am



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Quiet night shift – 4am