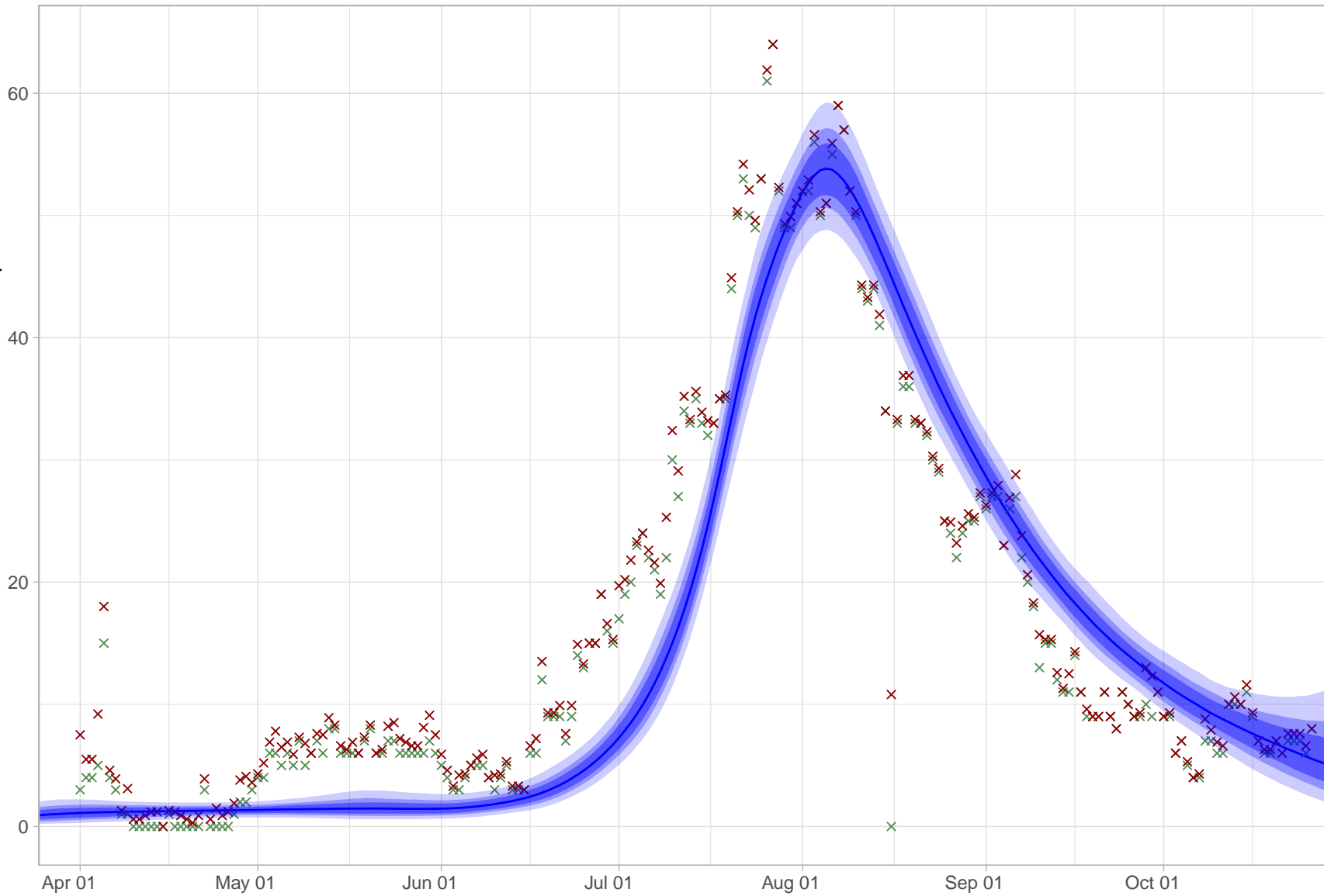


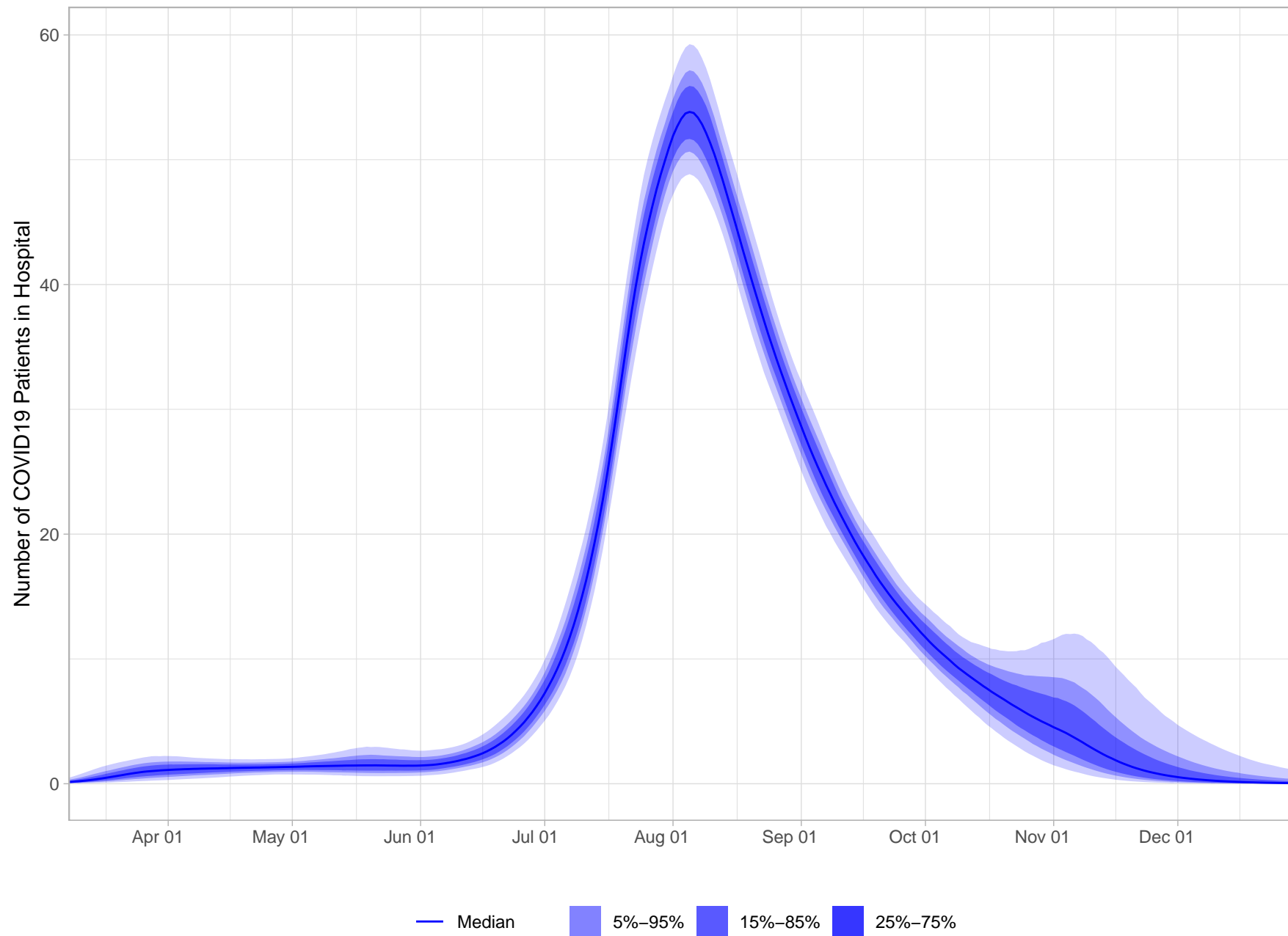
# Short Term Hospitalization Projection

Number of COVID19 Patients in Hospital

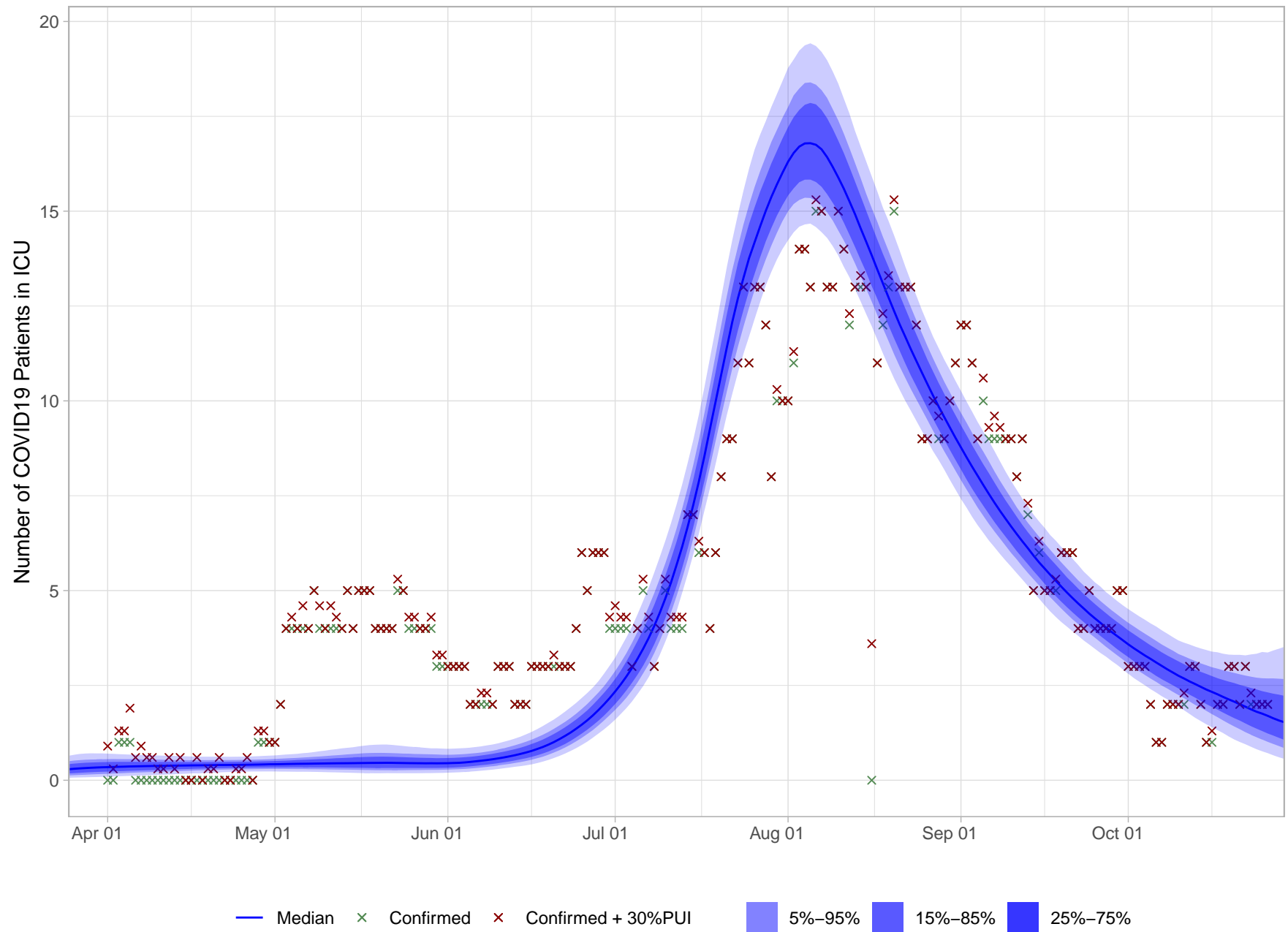


Median    x    Confirmed    x    Confirmed + 30%PUI    5%-95%    15%-85%    25%-75%

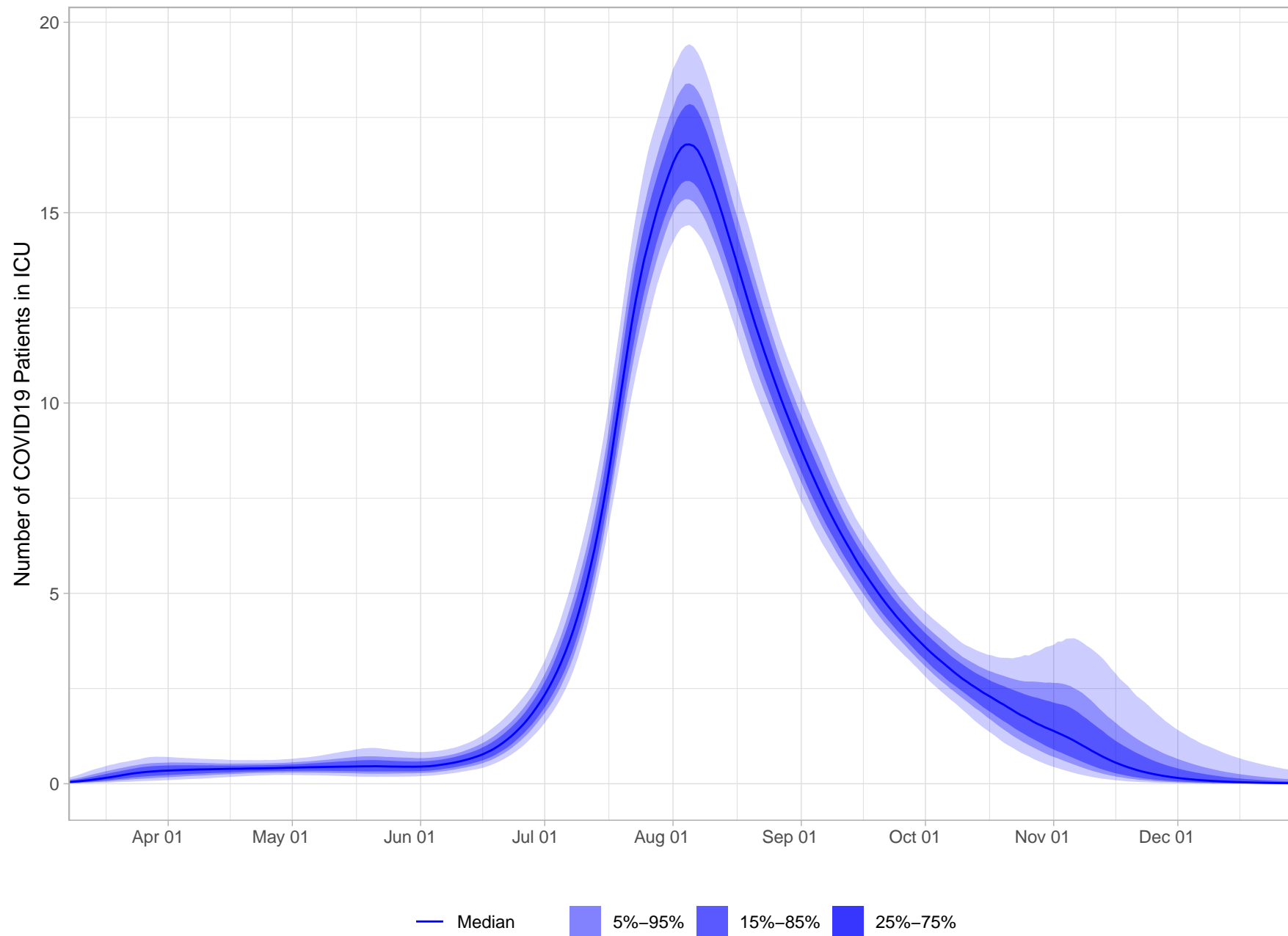
# Long Term Hospitalization Projection



# Short Term ICU Projection

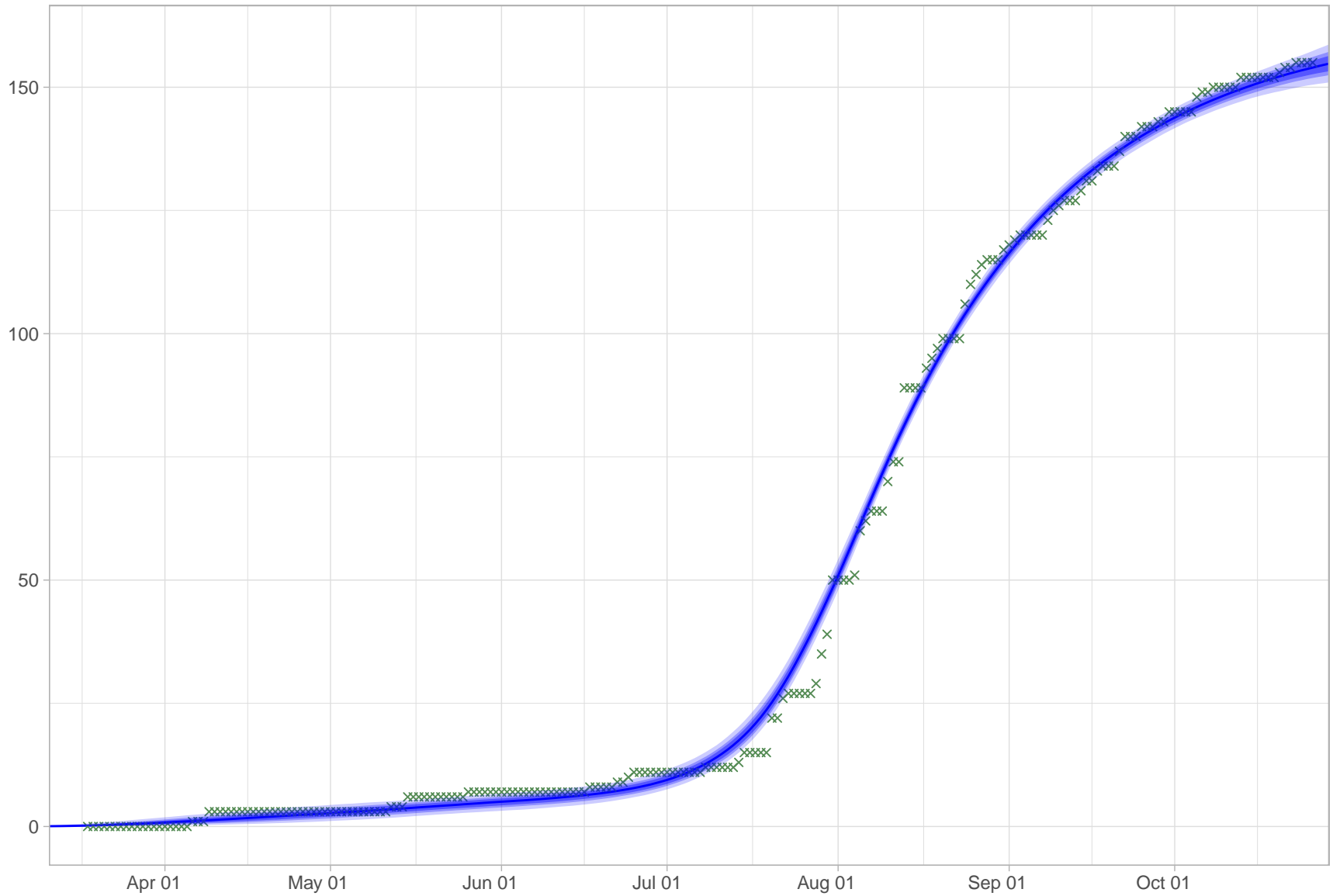


# Long Term ICU Projection



# Short Term Death Projection

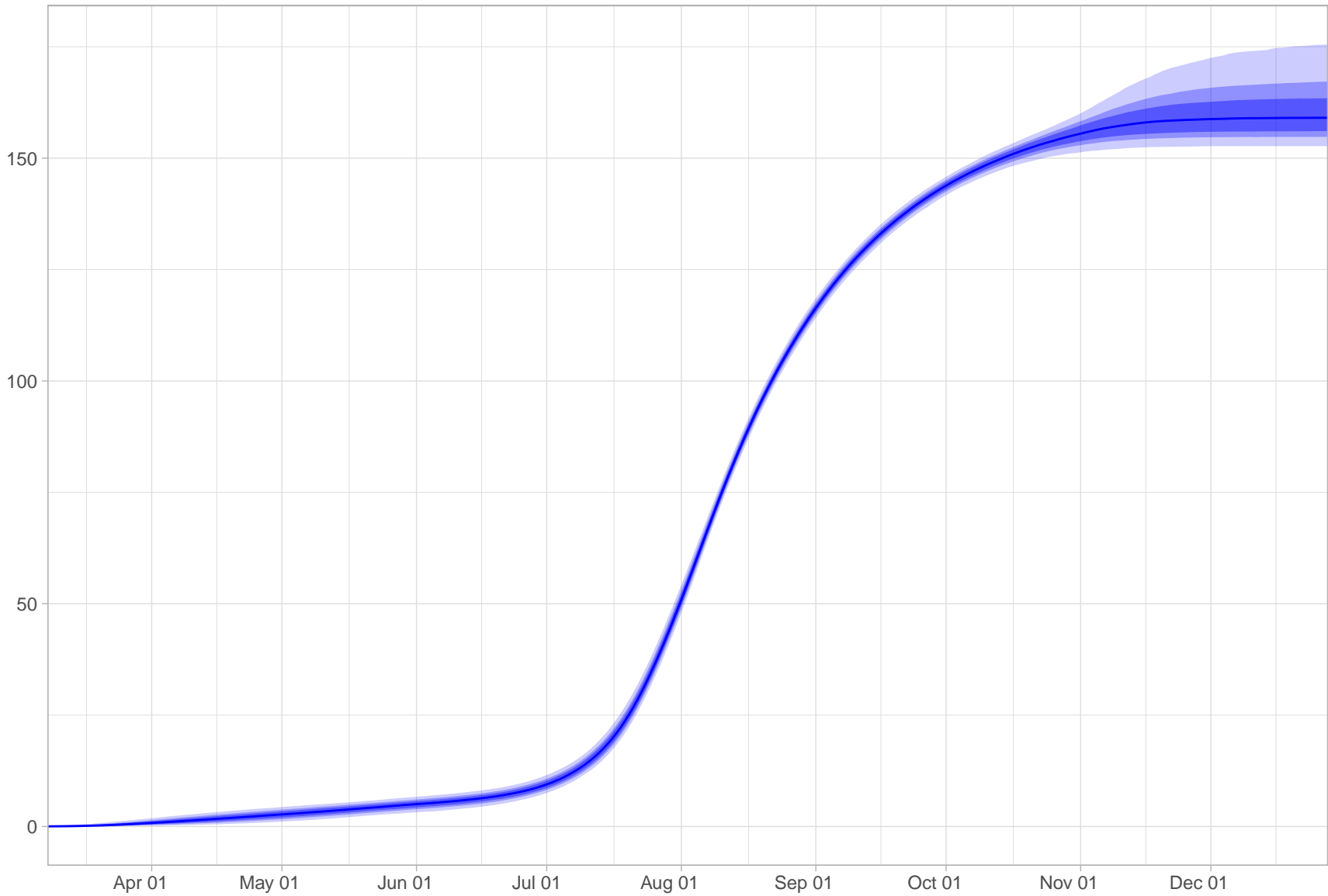
Number of COVID19 Deaths



Median × Confirmed 5%-95% 15%-85% 25%-75%

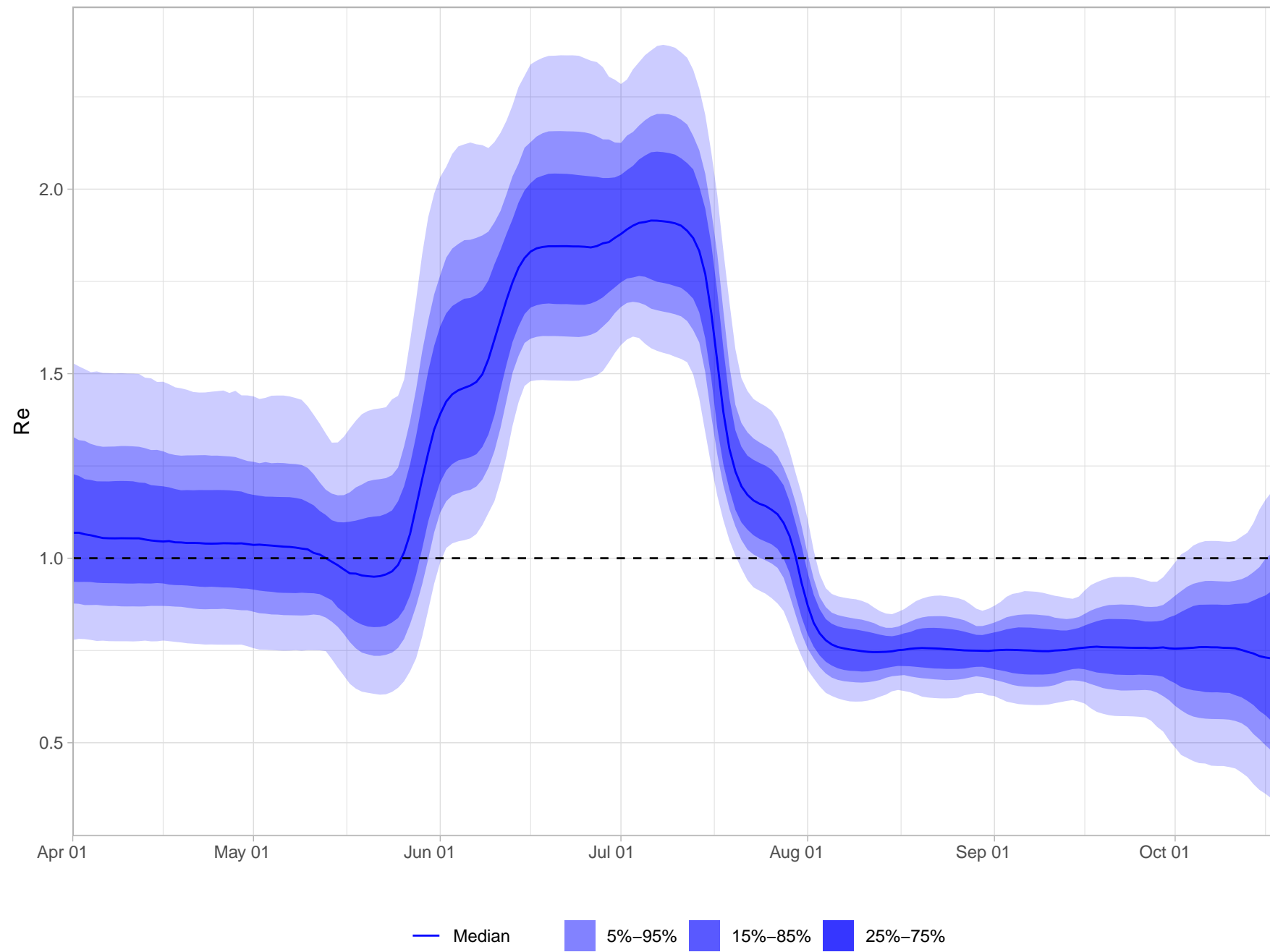
# Long Term Death Projection

Number of COVID19 Deaths



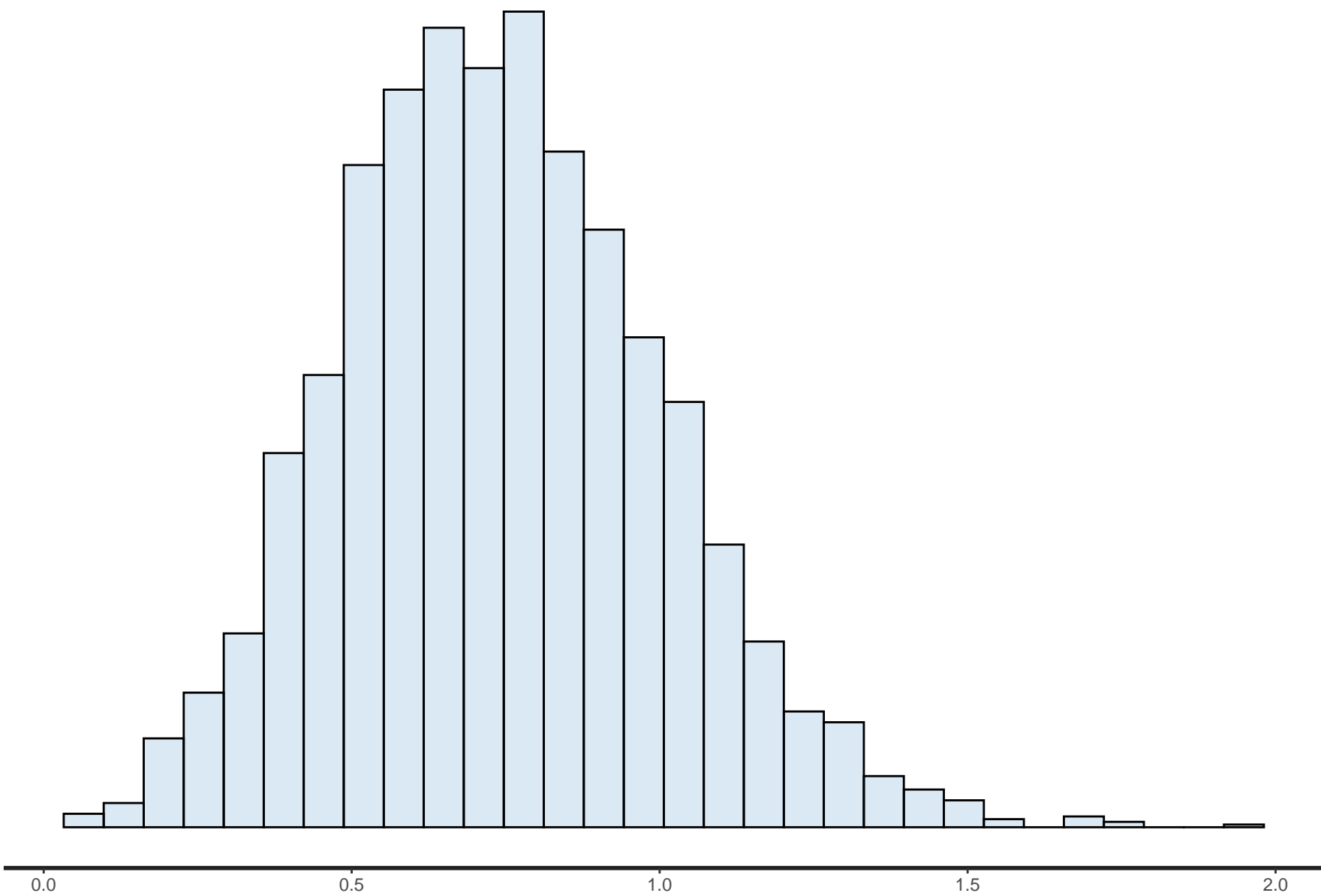
— Median    5%-95%    15%-85%    25%-75%

Effective Reproduction Number

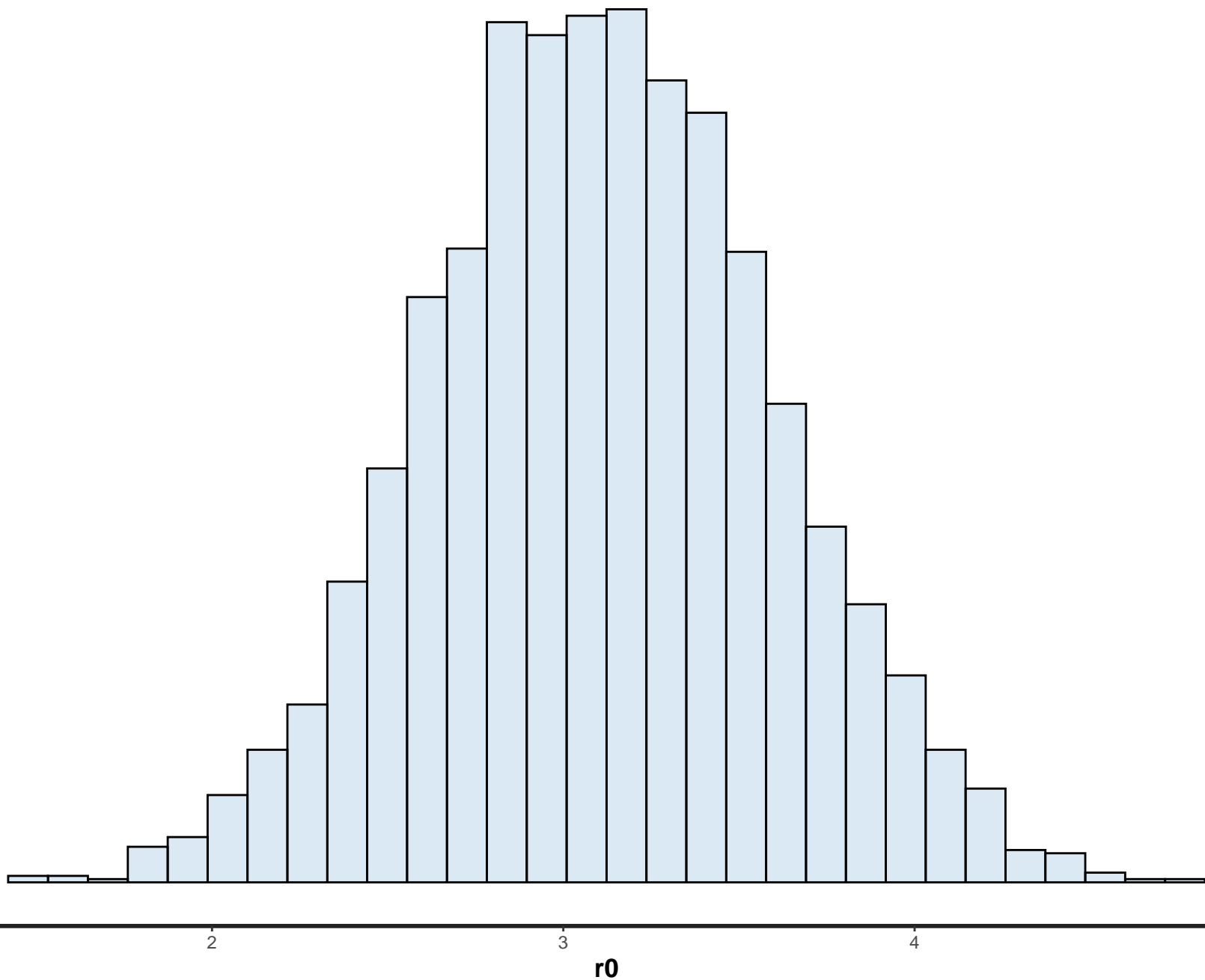


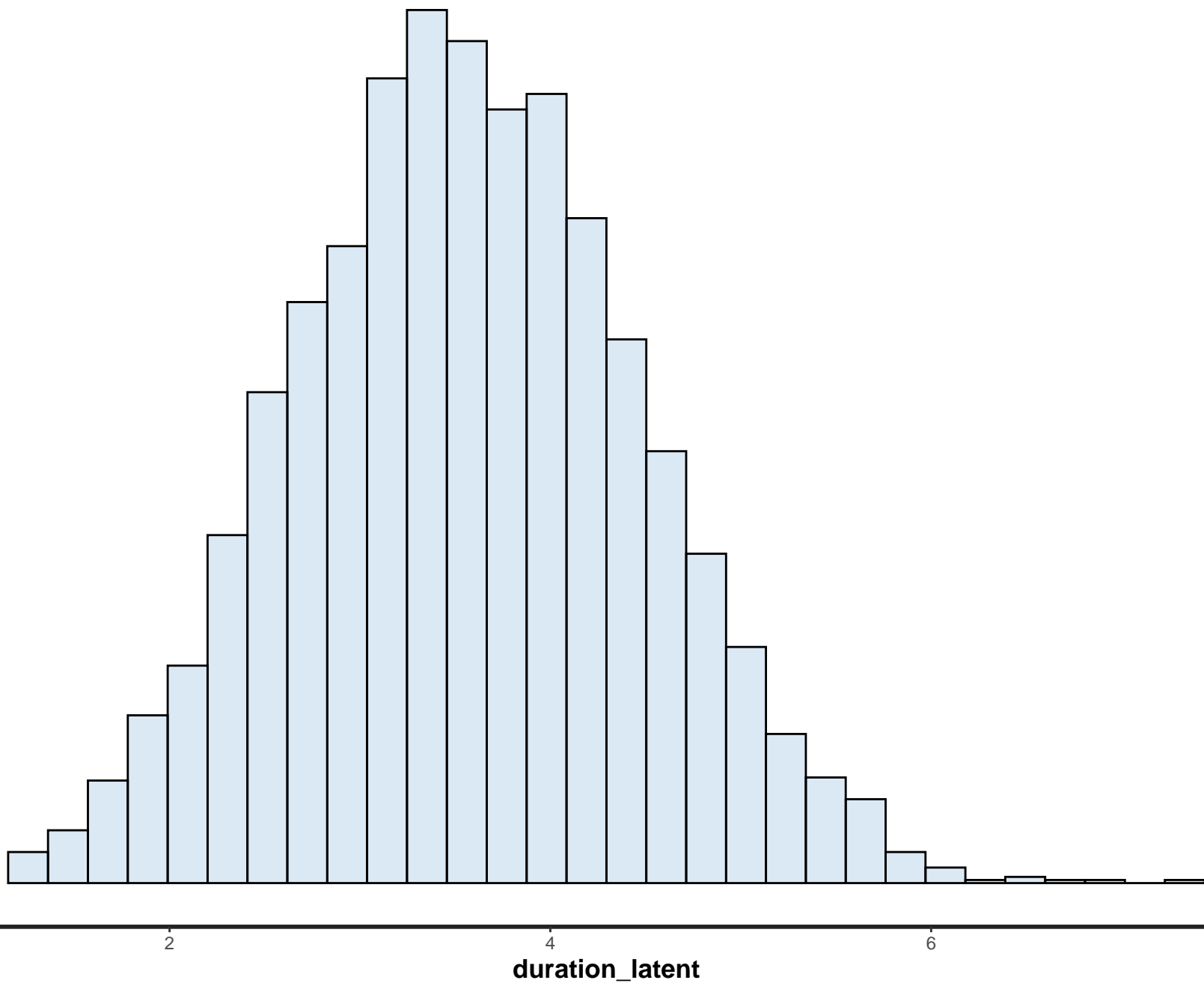
# Rt as of 2020-10-17

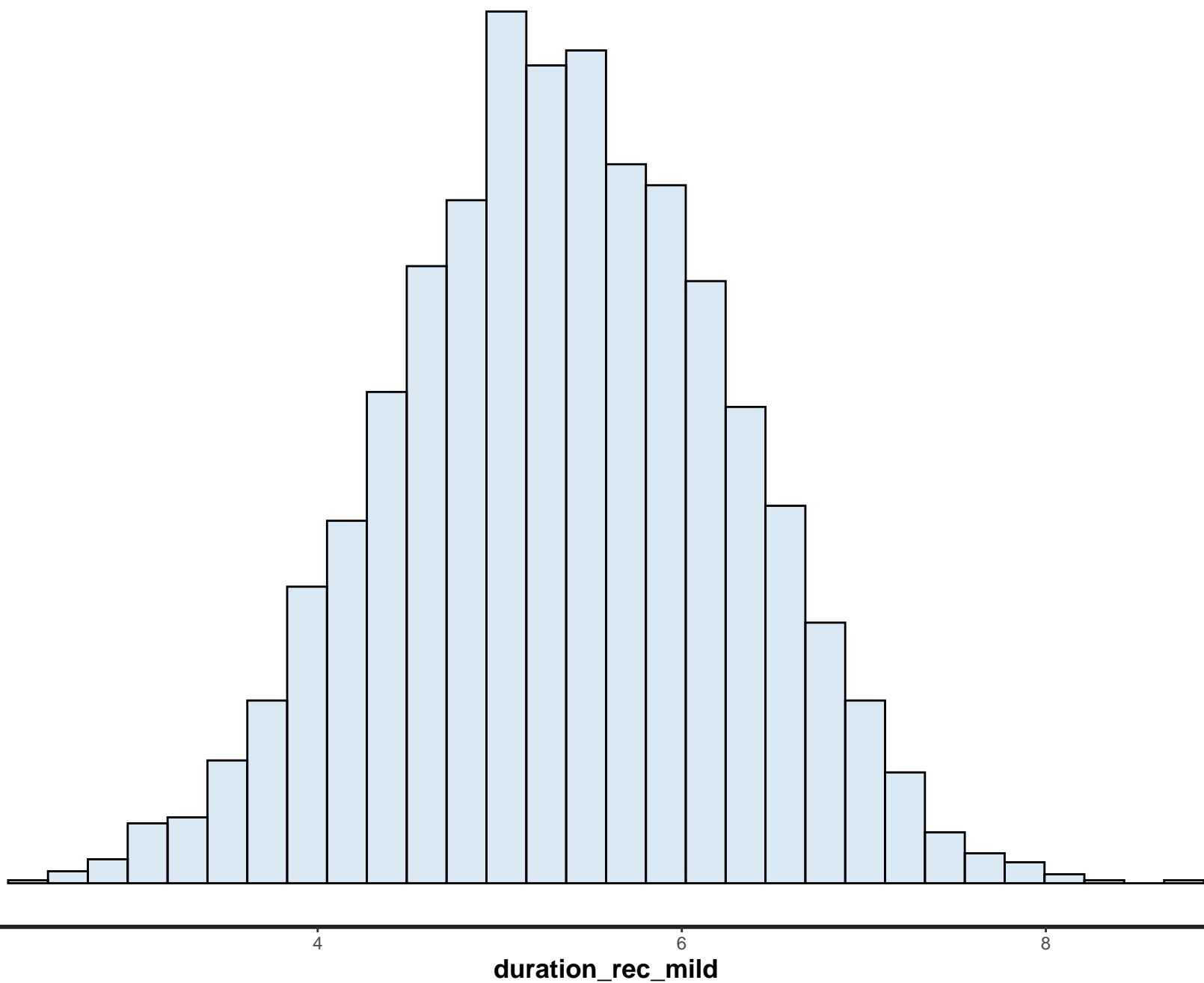
5% 10% 25% 50% 75% 90% 95%  
0.35 0.42 0.56 0.73 0.91 1.08 1.18

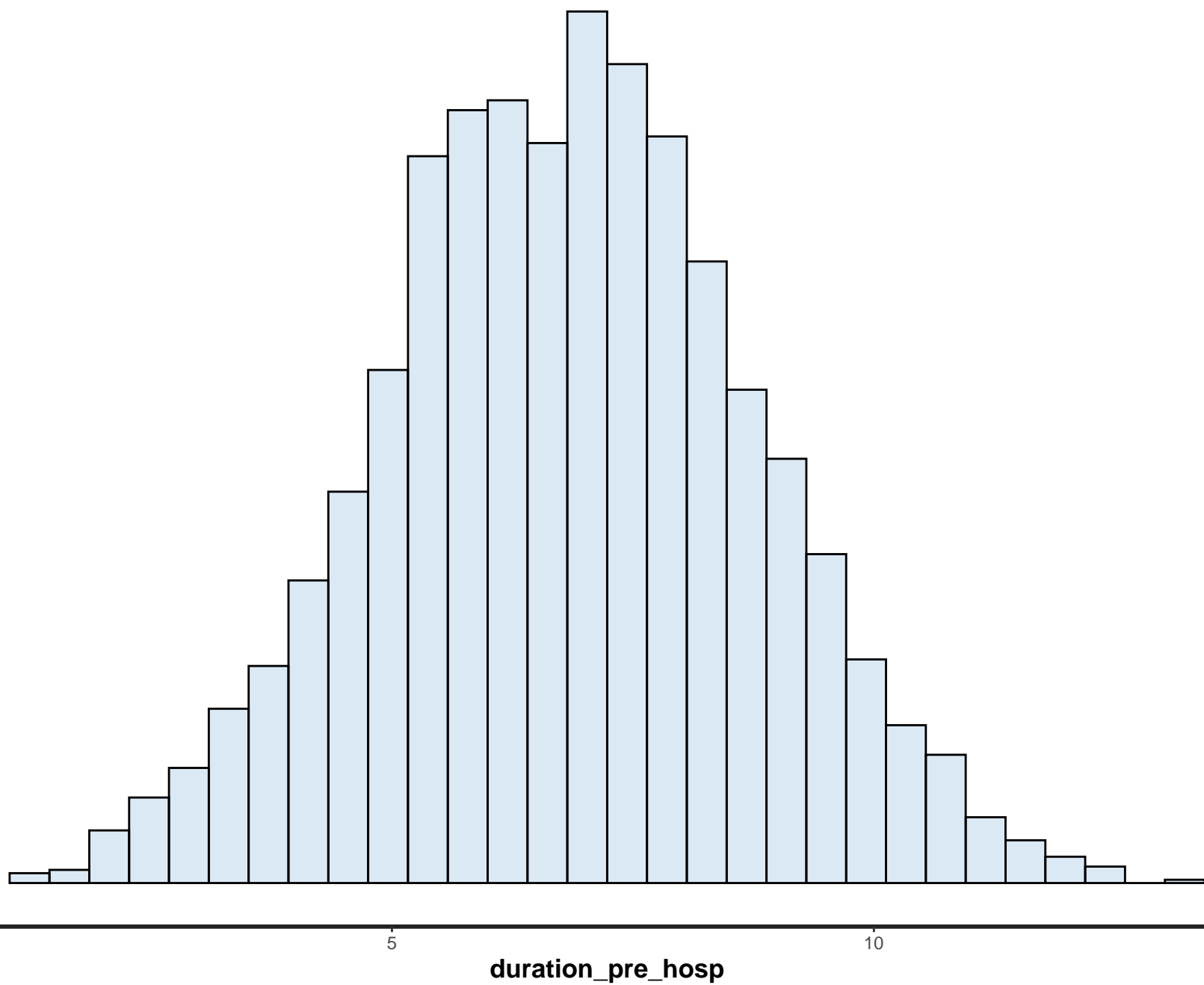


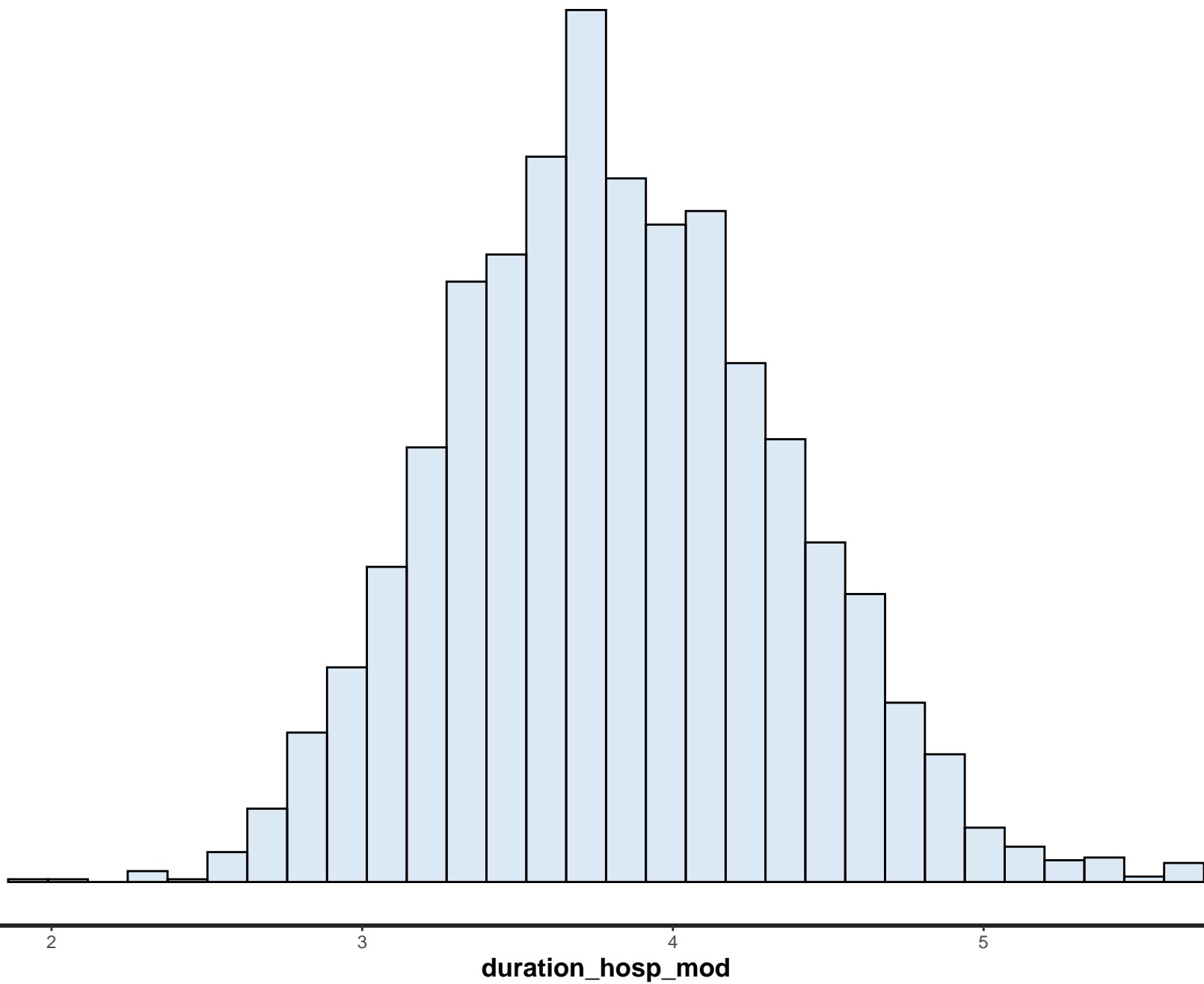


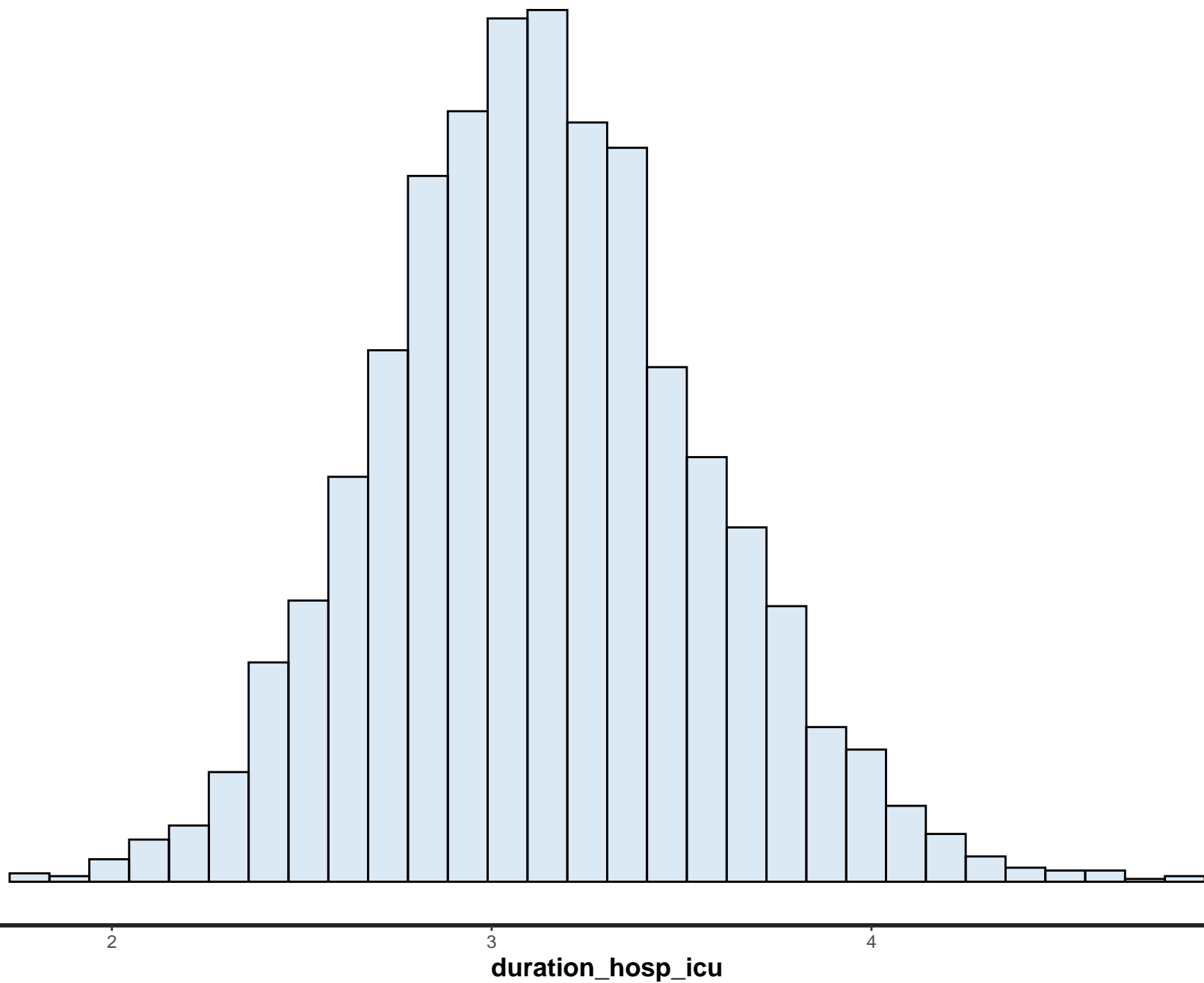


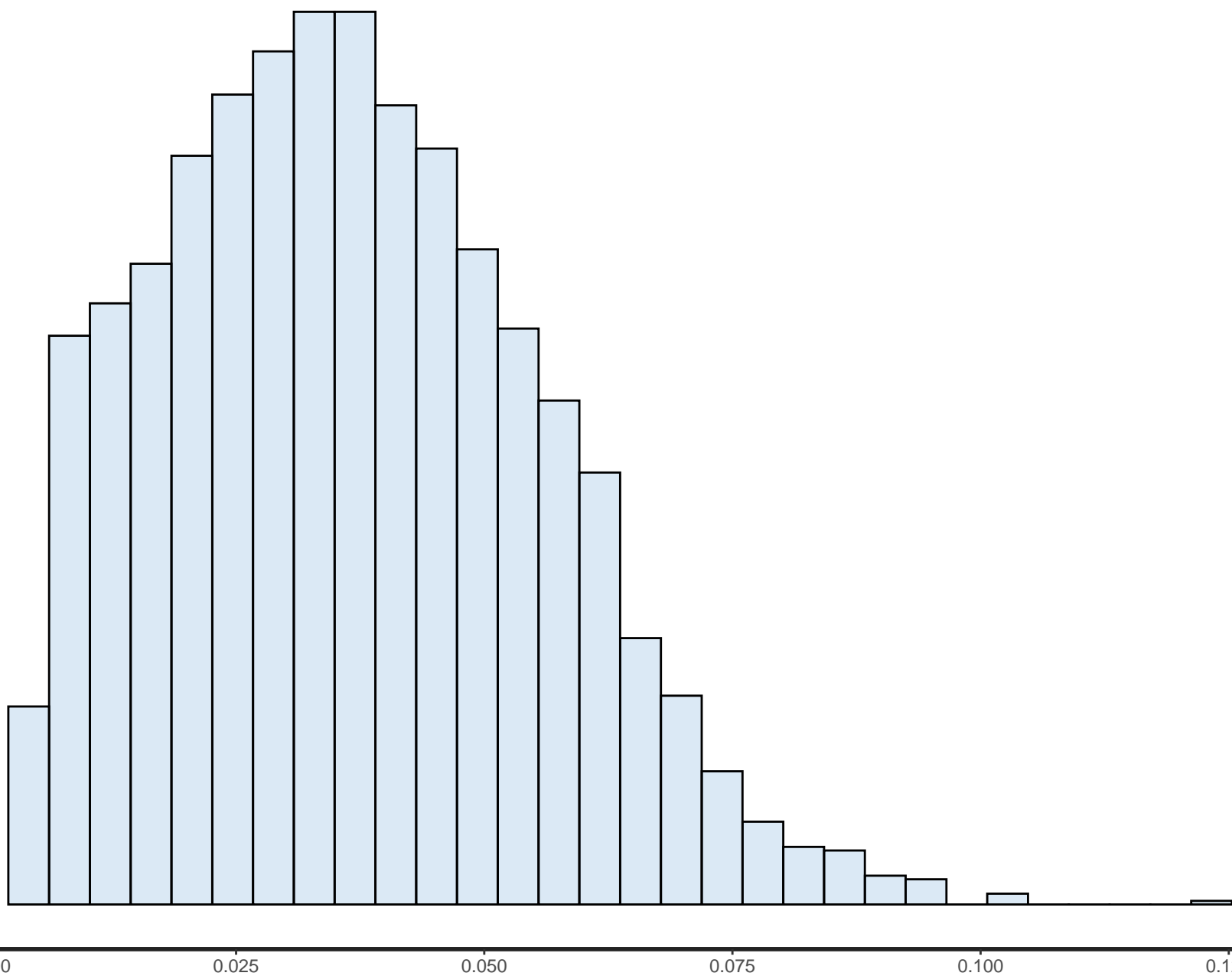


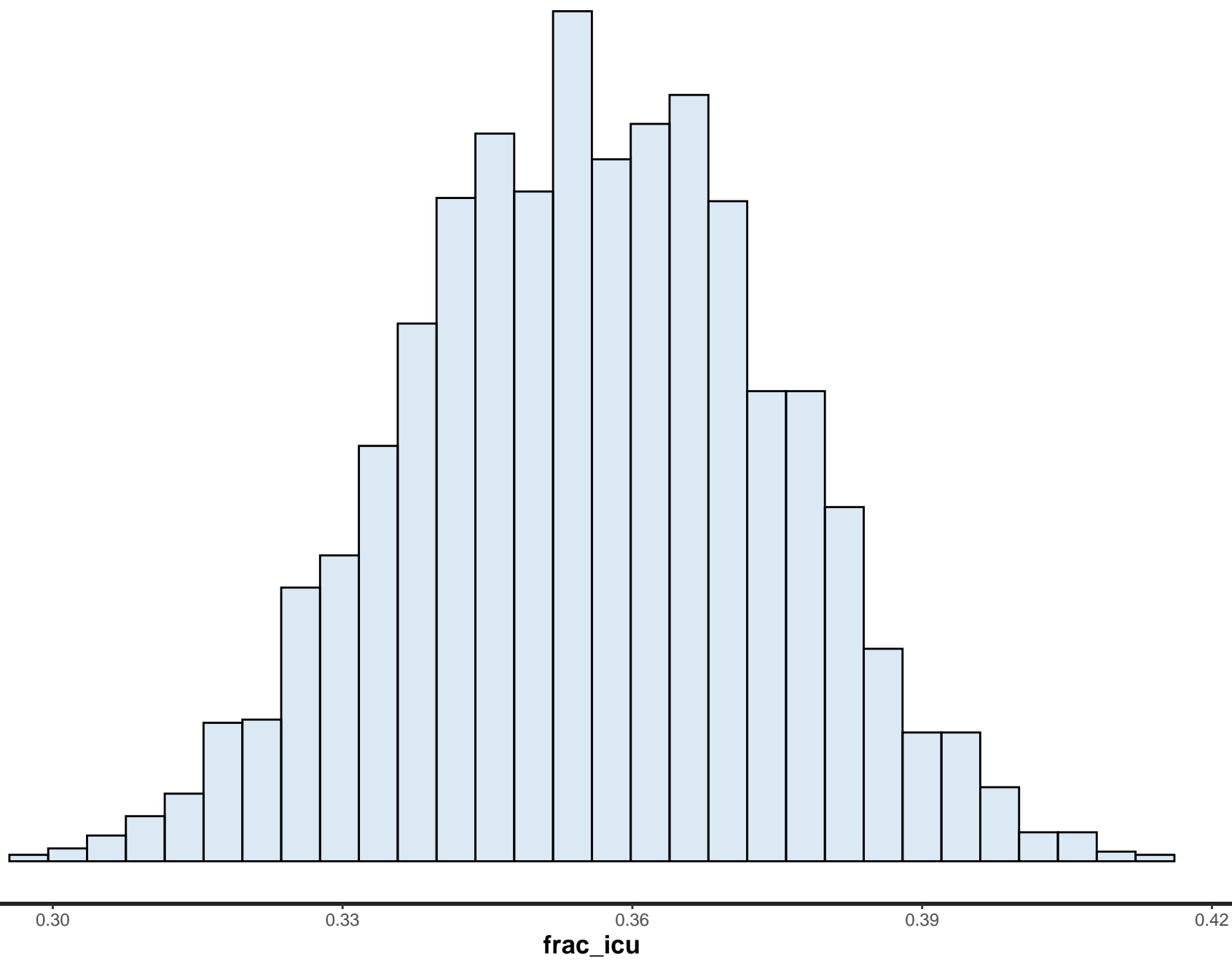




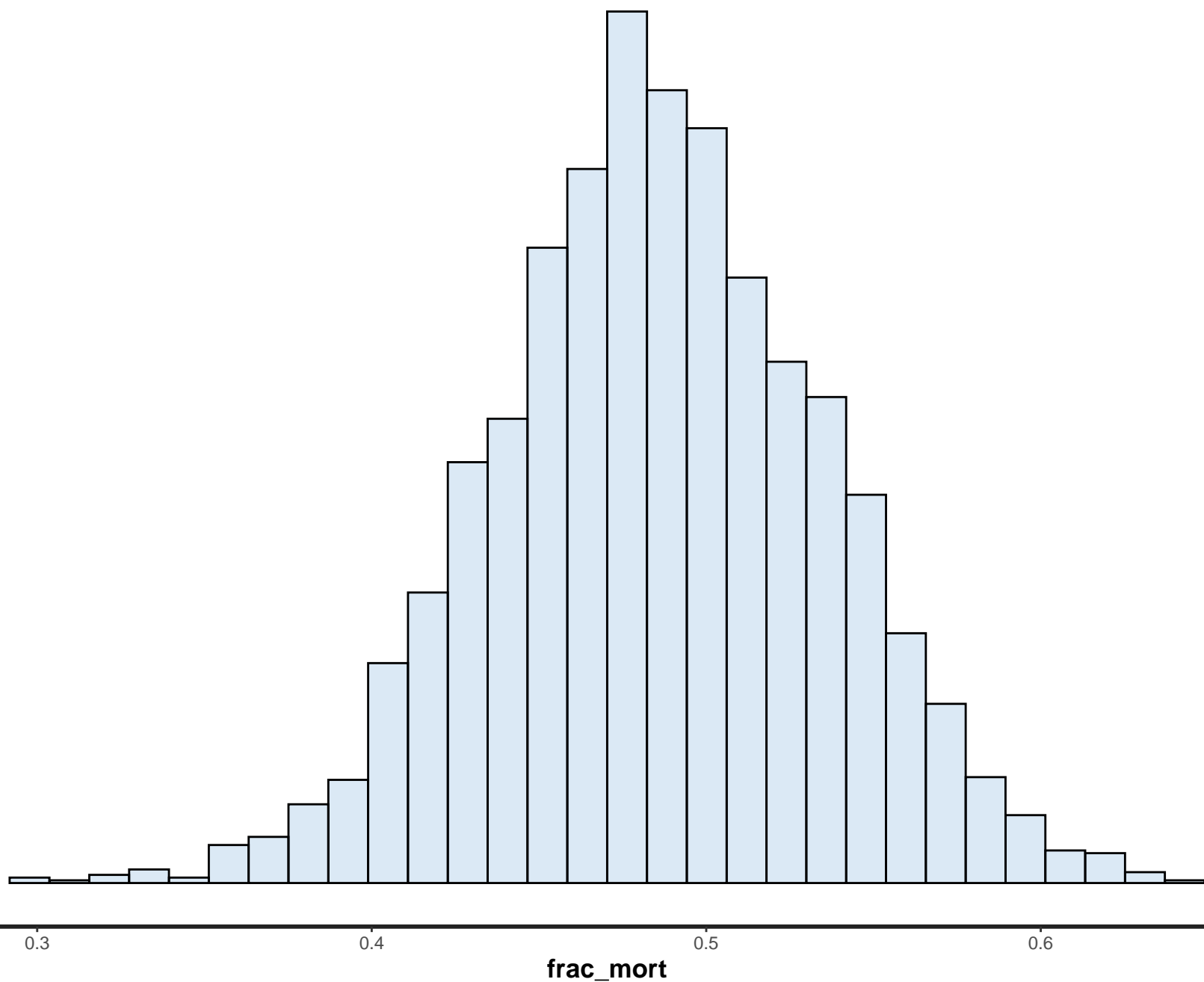


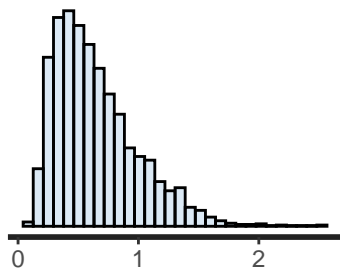
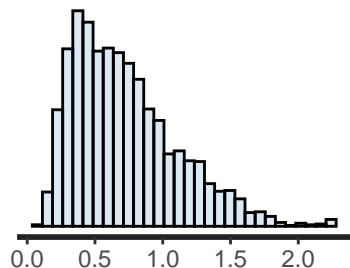
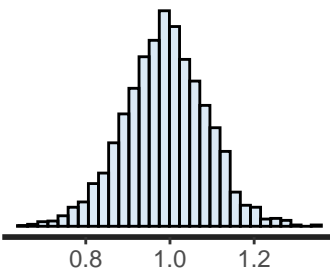
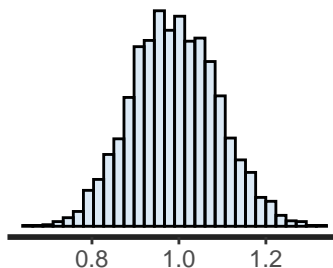
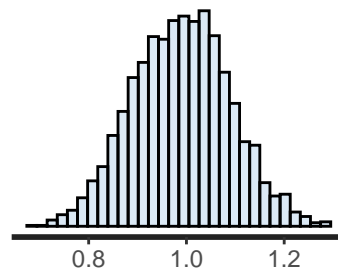
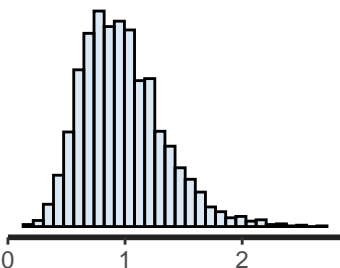
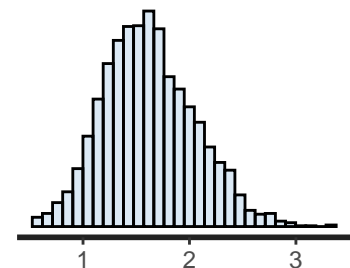
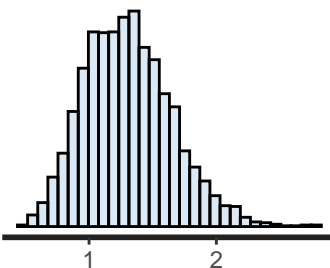
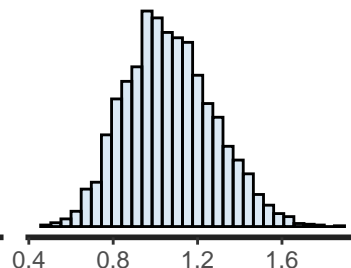
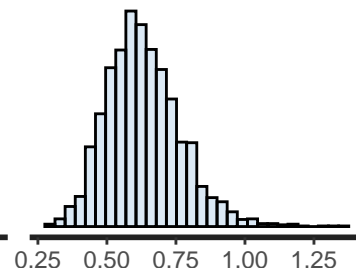
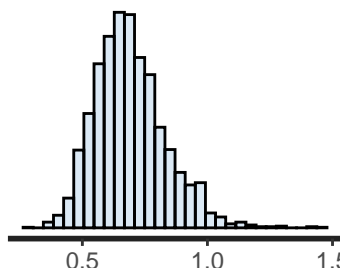
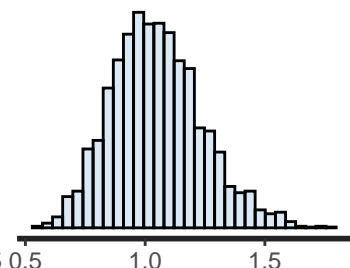
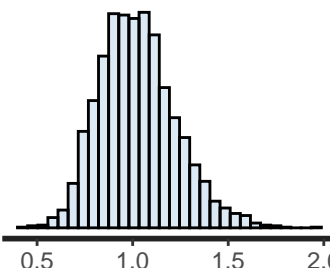
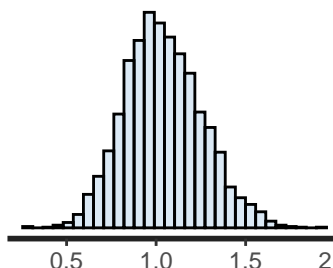
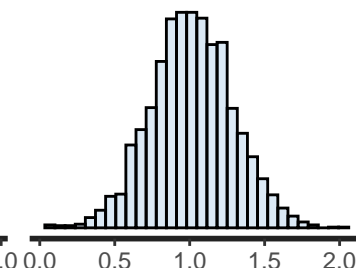
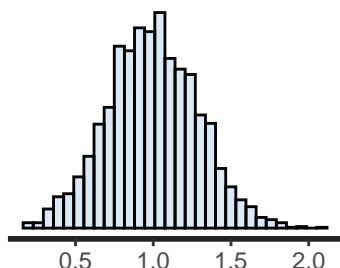
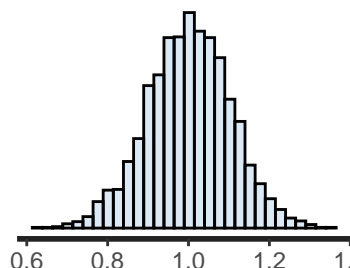
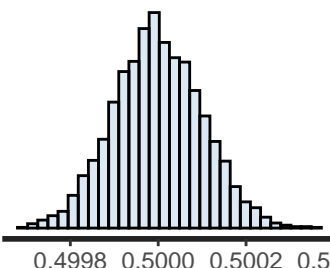


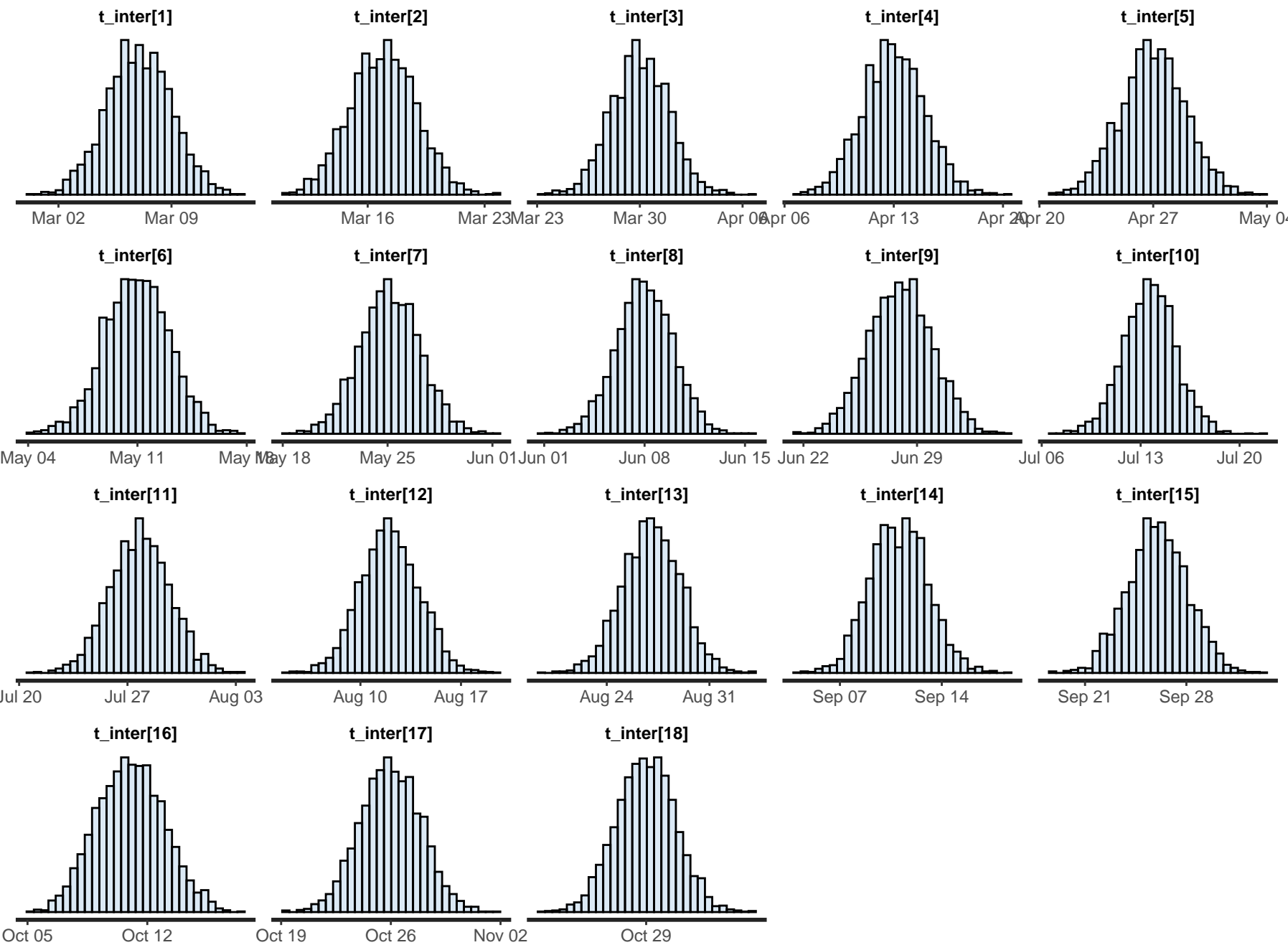




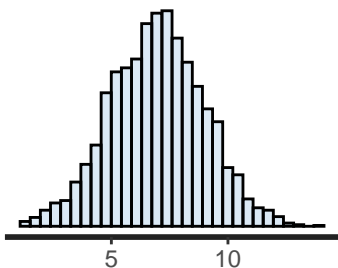




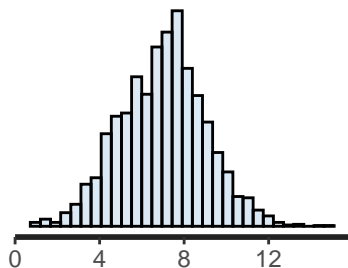
**beta\_multiplier[1]****beta\_multiplier[2]****beta\_multiplier[3]****beta\_multiplier[4]****beta\_multiplier[5]****beta\_multiplier[6]****beta\_multiplier[7]****beta\_multiplier[8]****beta\_multiplier[9]****beta\_multiplier[10]****beta\_multiplier[11]****beta\_multiplier[12]****beta\_multiplier[13]****beta\_multiplier[14]****beta\_multiplier[15]****beta\_multiplier[16]****beta\_multiplier[17]****beta\_multiplier[18]**



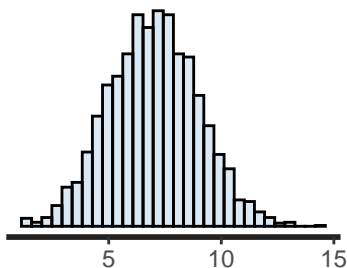
len\_inter[1]



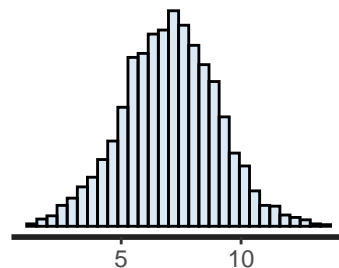
len\_inter[2]



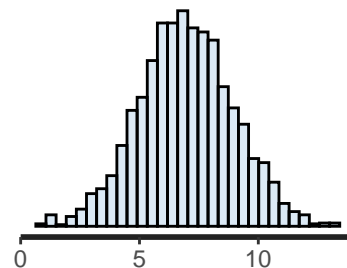
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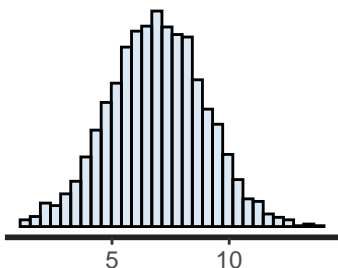
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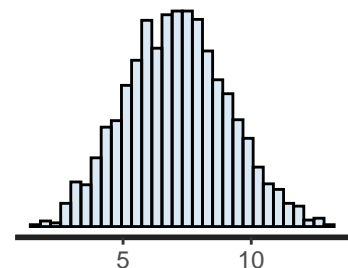
len\_inter[5]



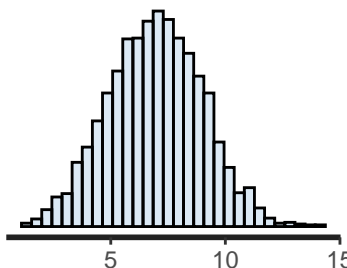
len\_inter[6]



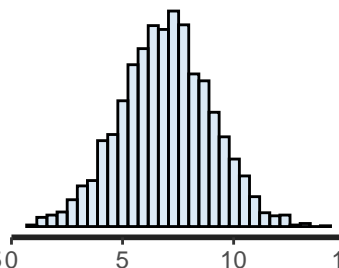
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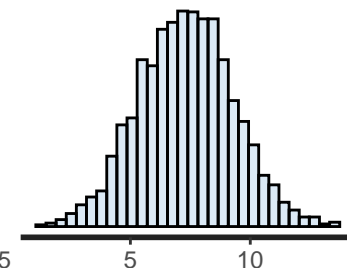
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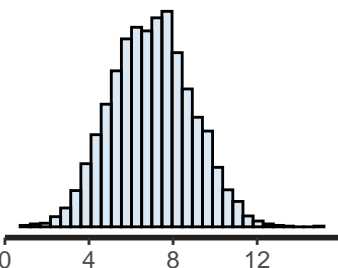
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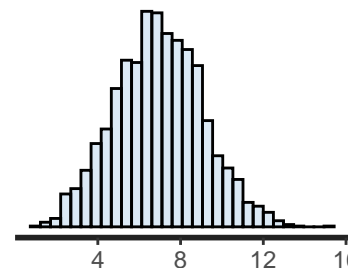
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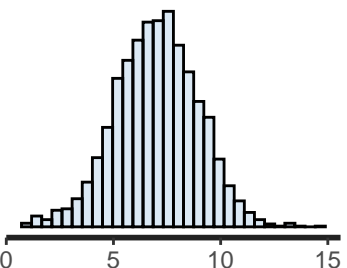
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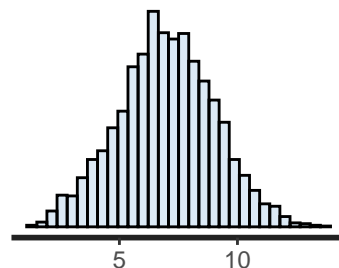
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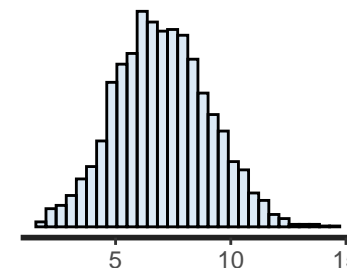
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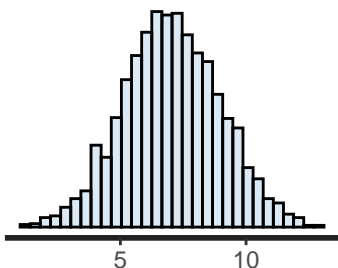
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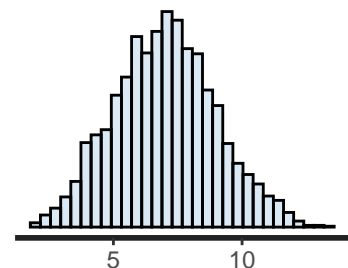
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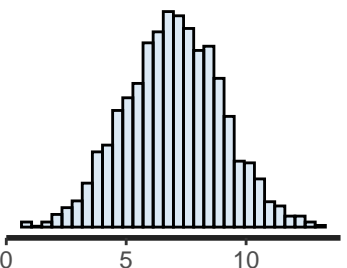
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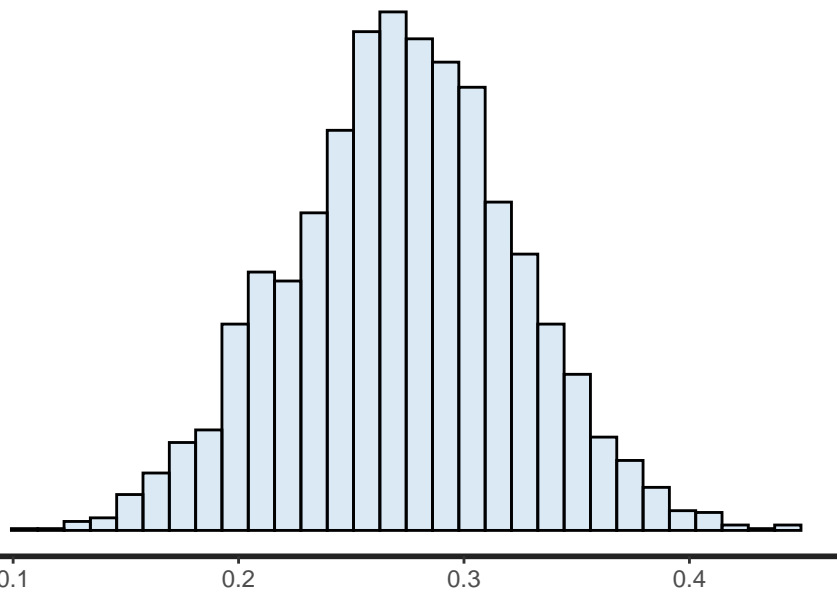
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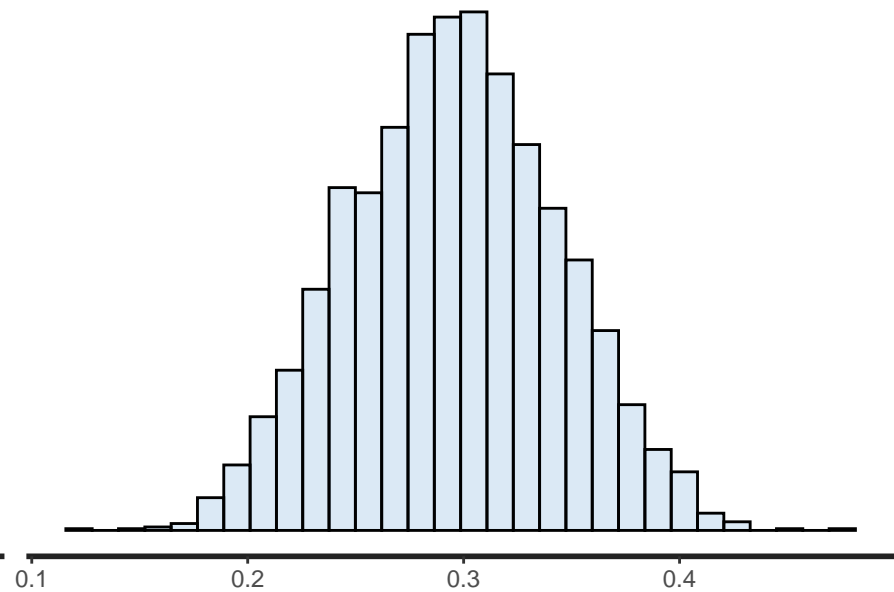
len\_inter[18]



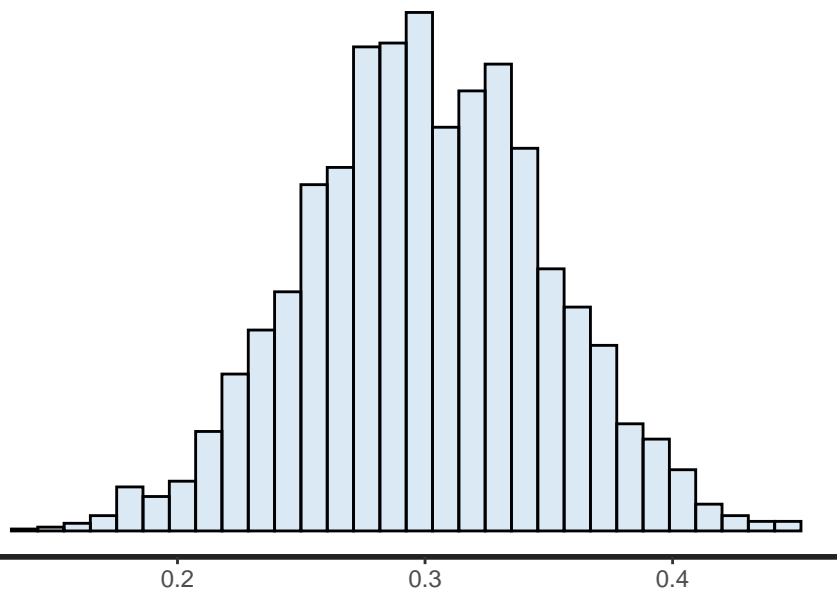
**frac\_PUI[1]**



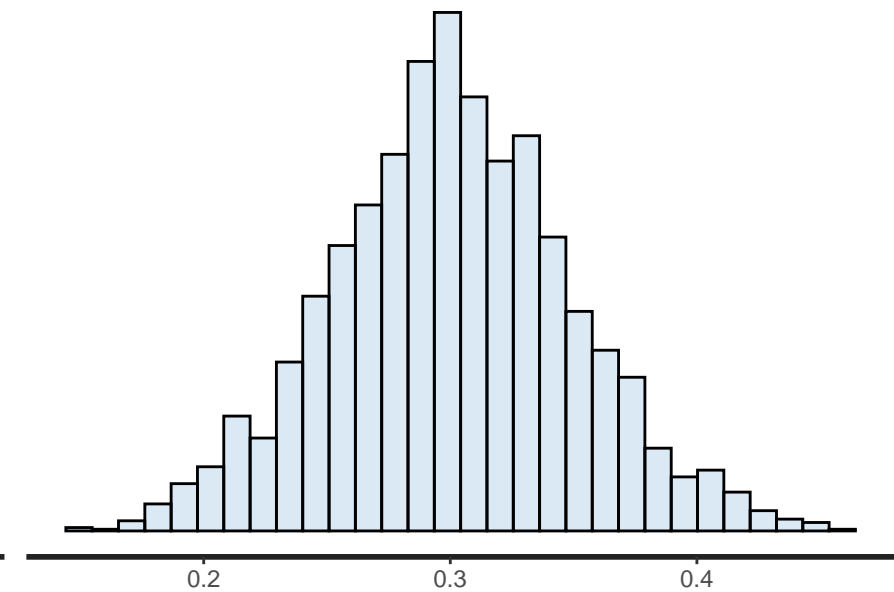
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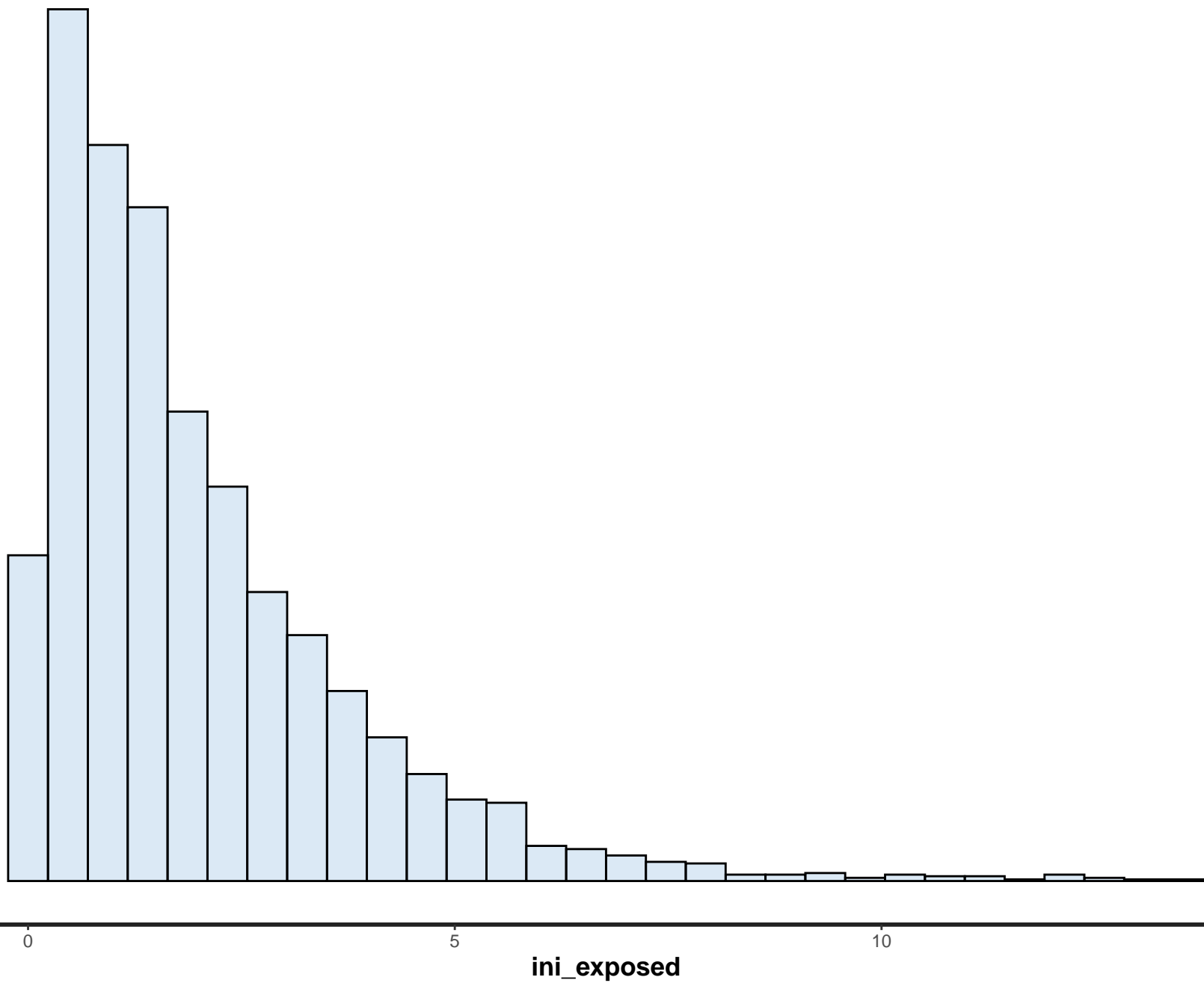


**frac\_PUI[3]**

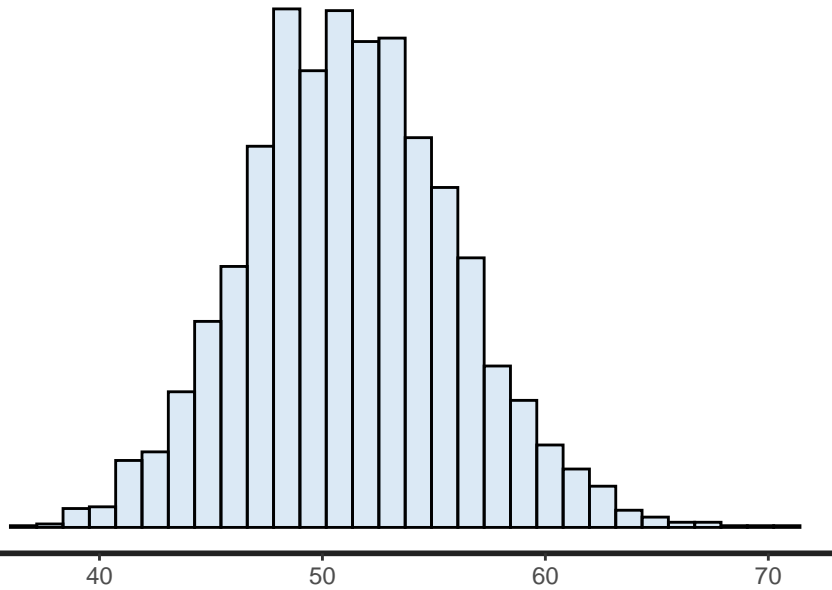


**frac\_PUI[4]**

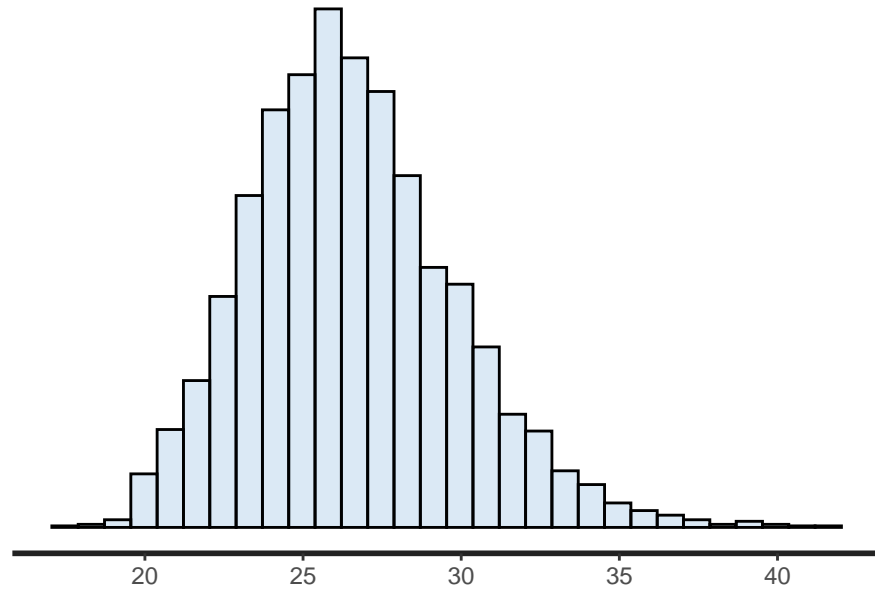




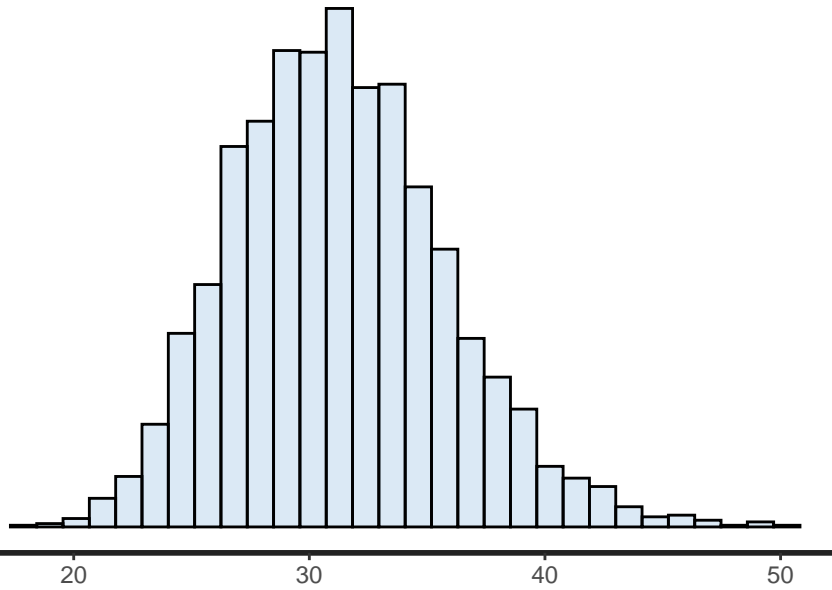
**sigma\_obs[1]**



**sigma\_obs[2]**



**sigma\_obs[3]**



**sigma\_obs[4]**

