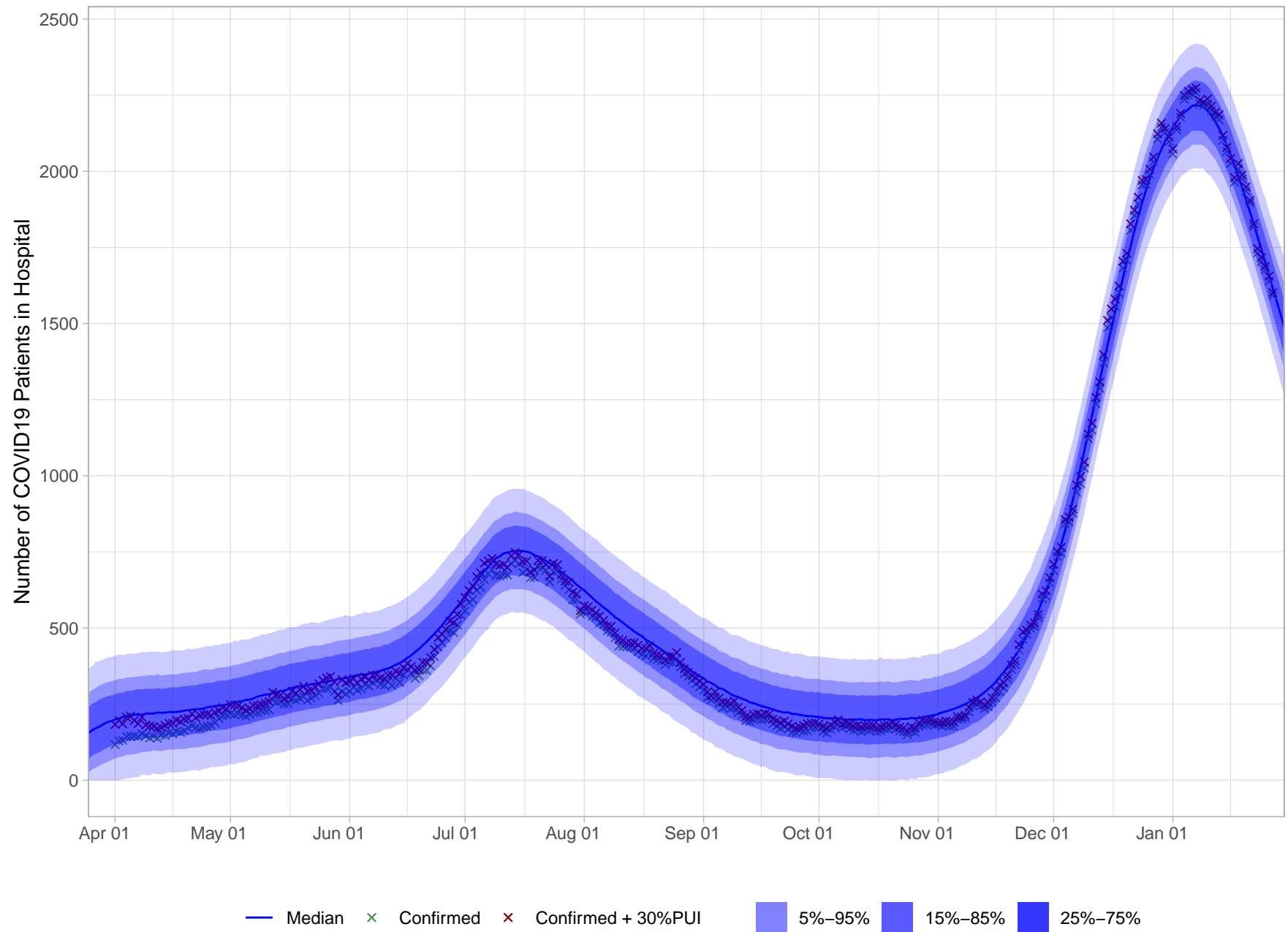
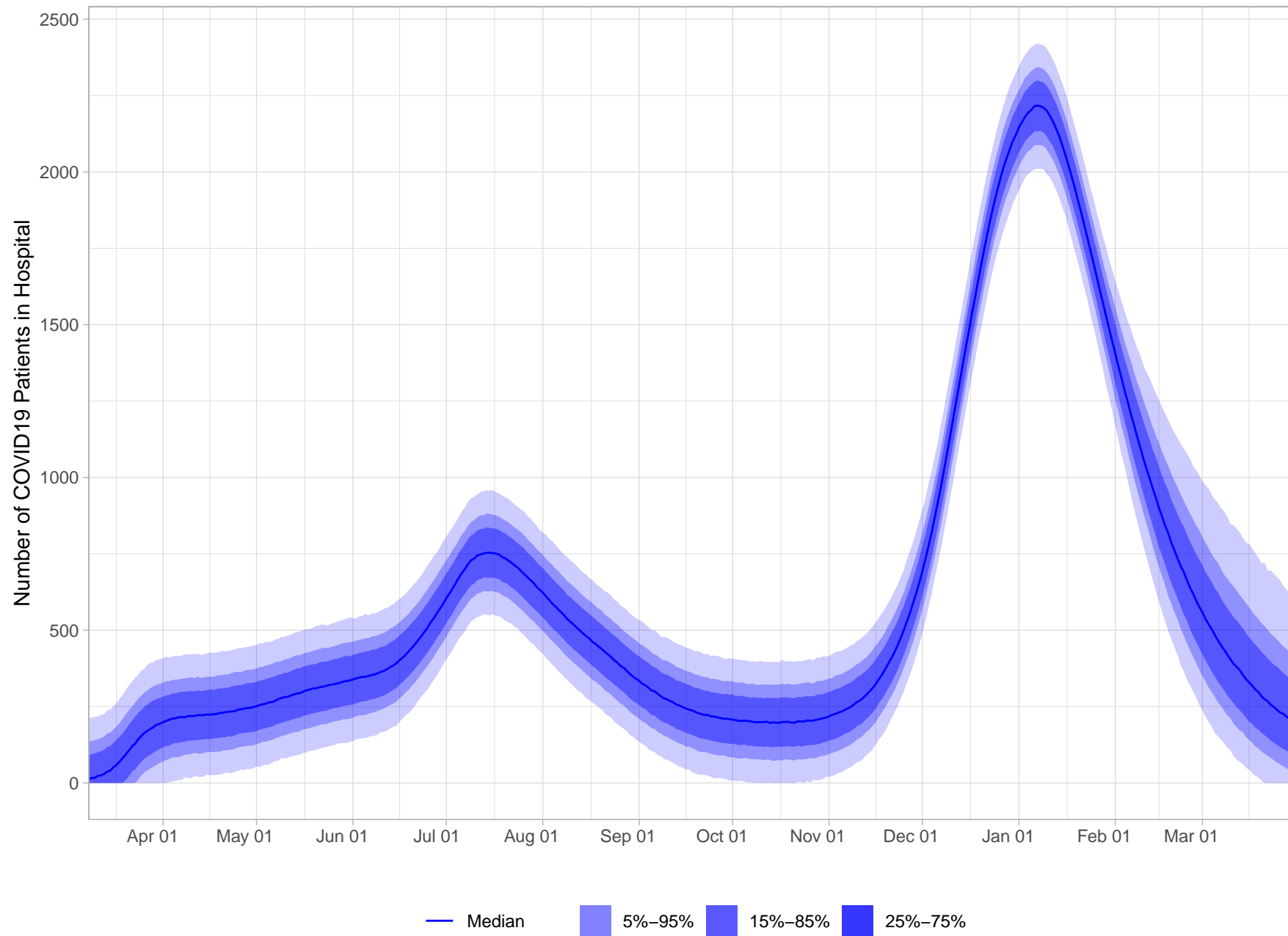


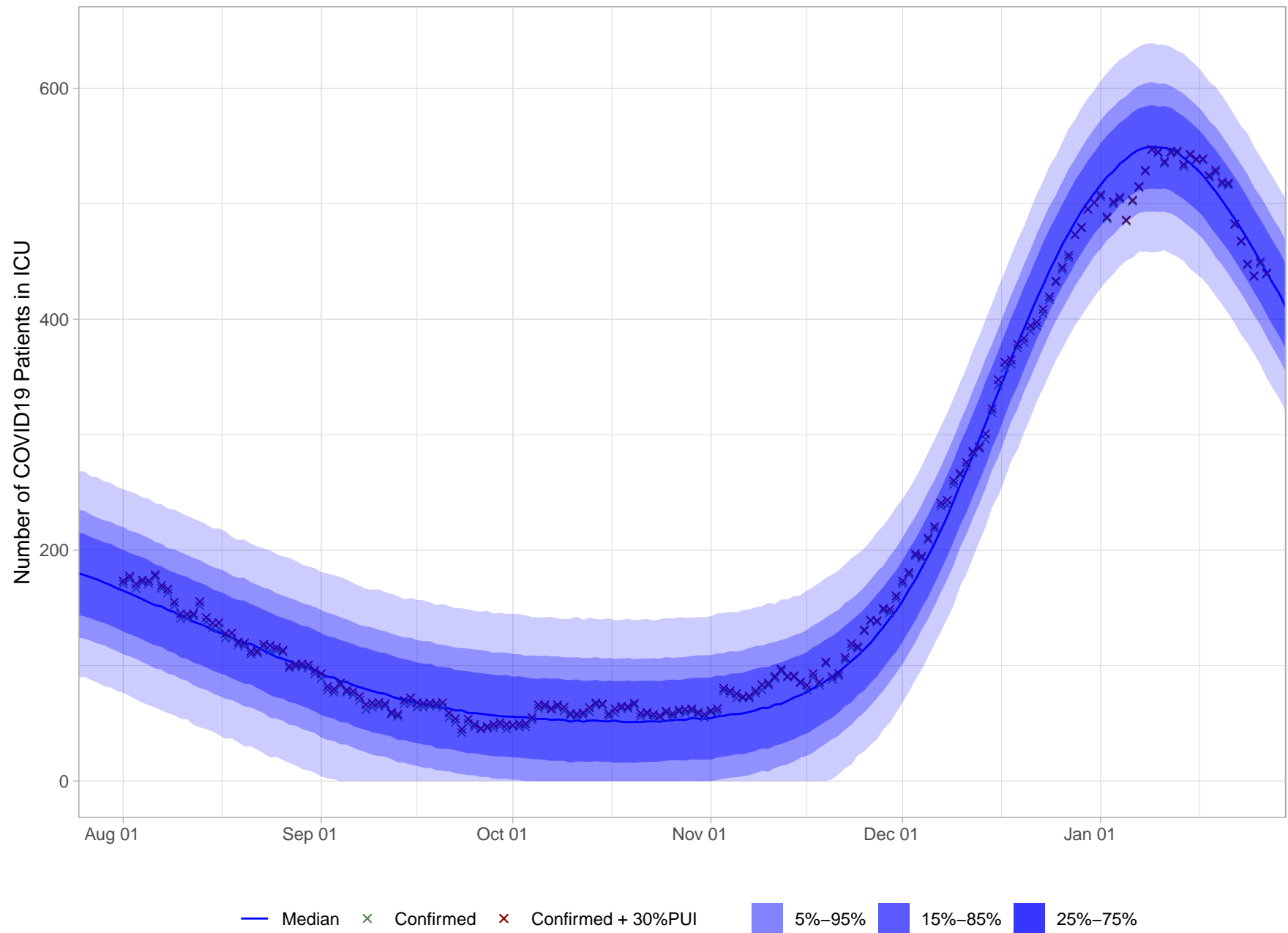
# Short Term Hospitalization Projection



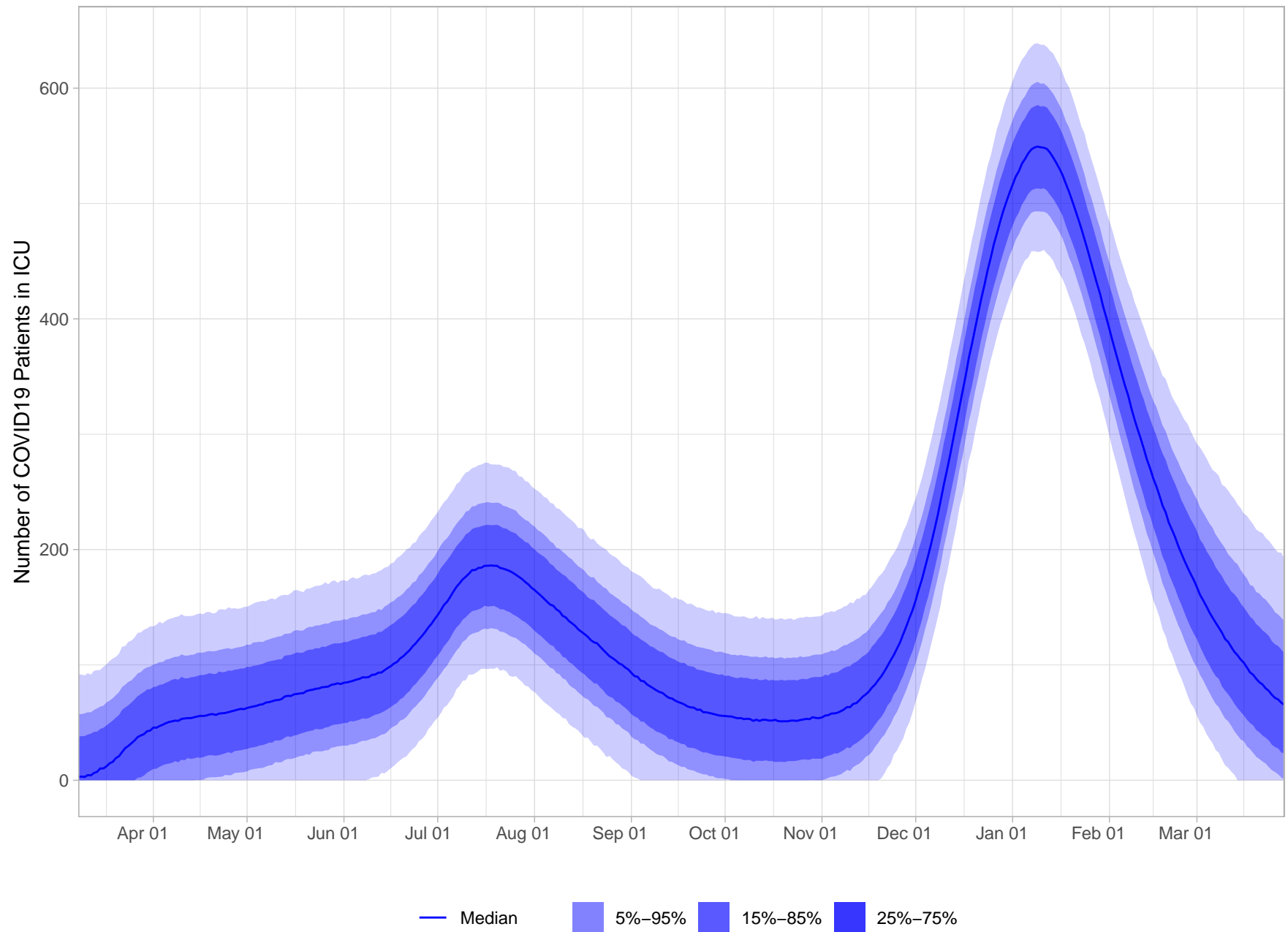
# Long Term Hospitalization Projection



# Short Term ICU Projection

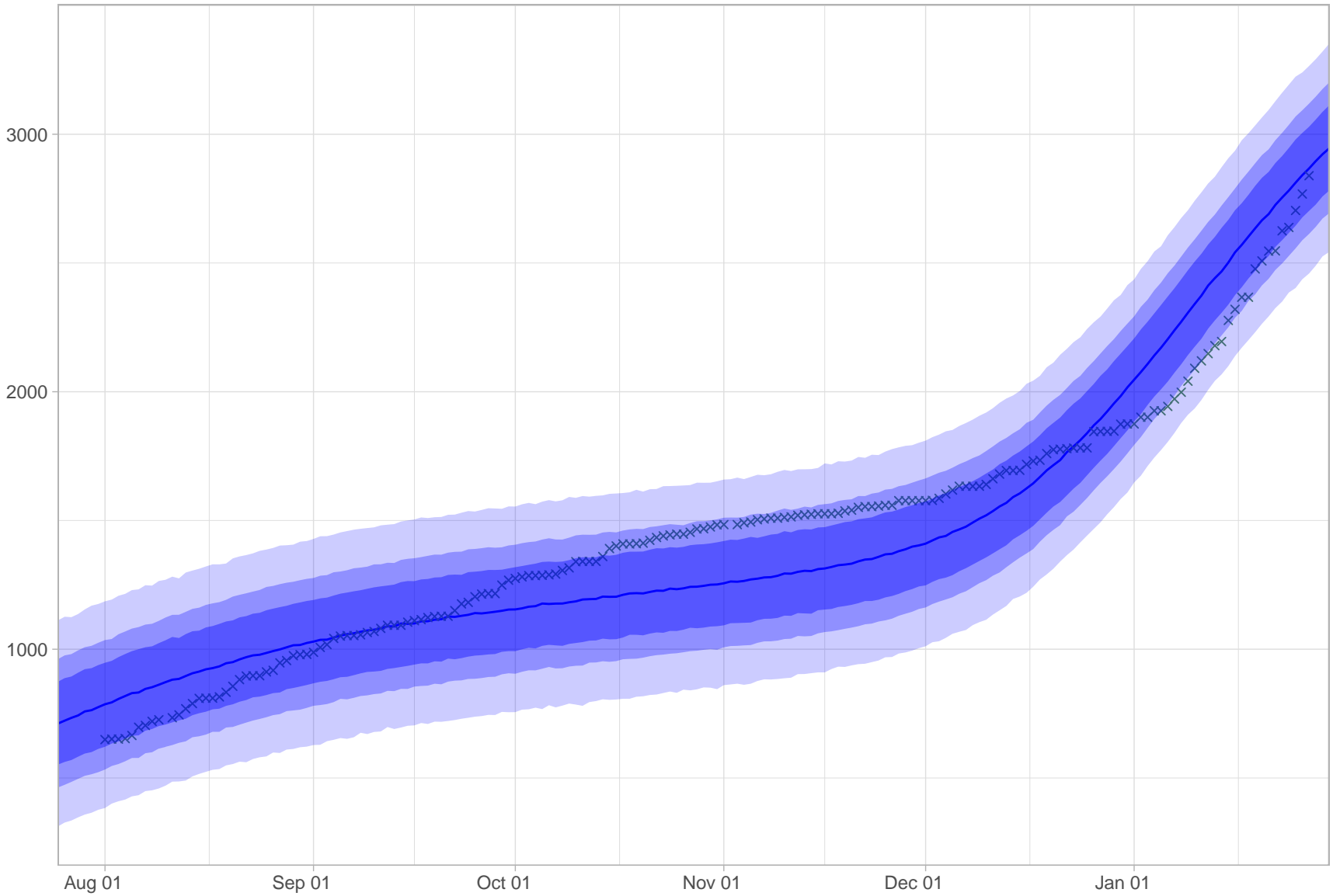


# Long Term ICU Projection



# Short Term Death Projection

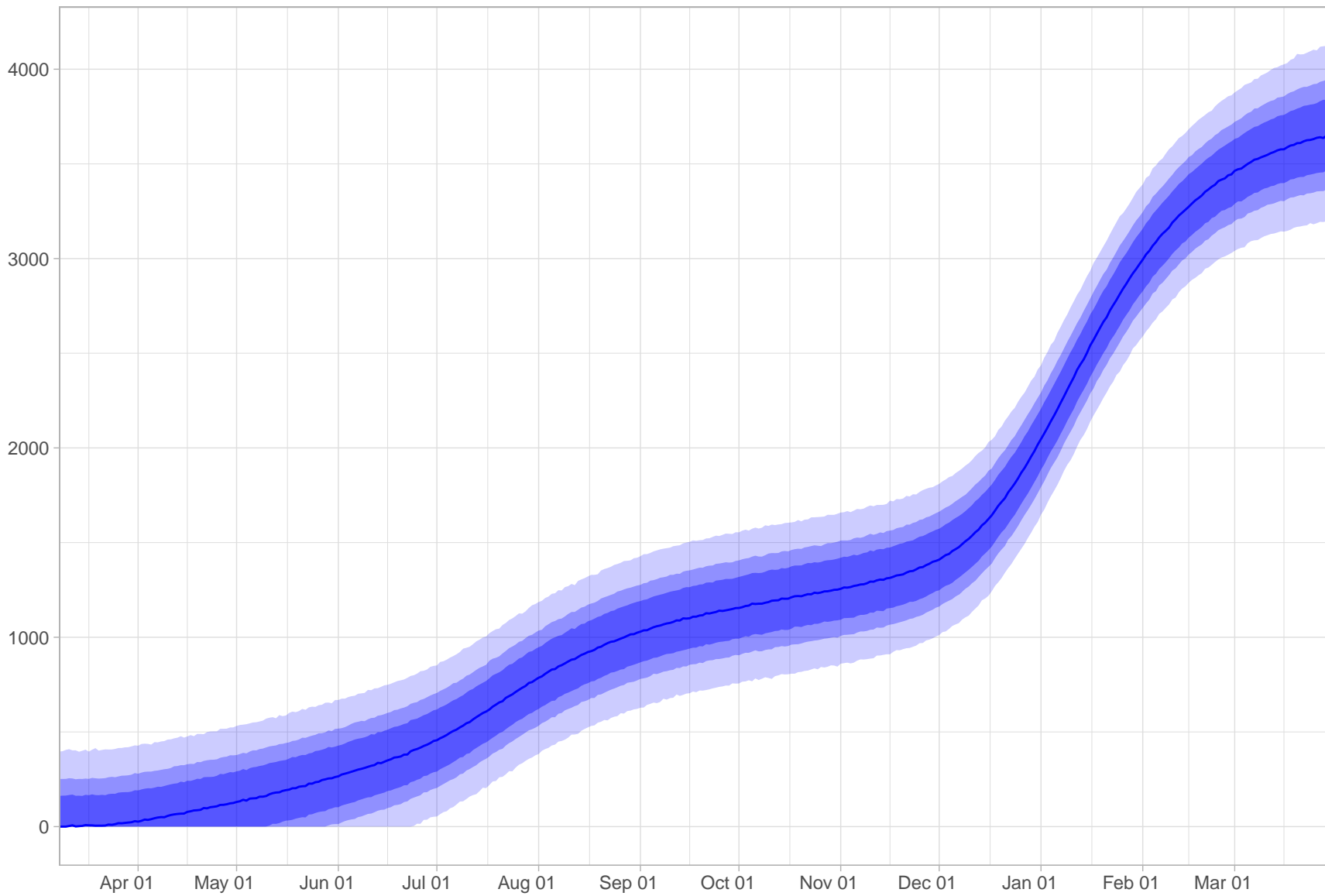
Number of COVID19 Deaths



— Median    x Confirmed    5%–95%    15%–85%    25%–75%

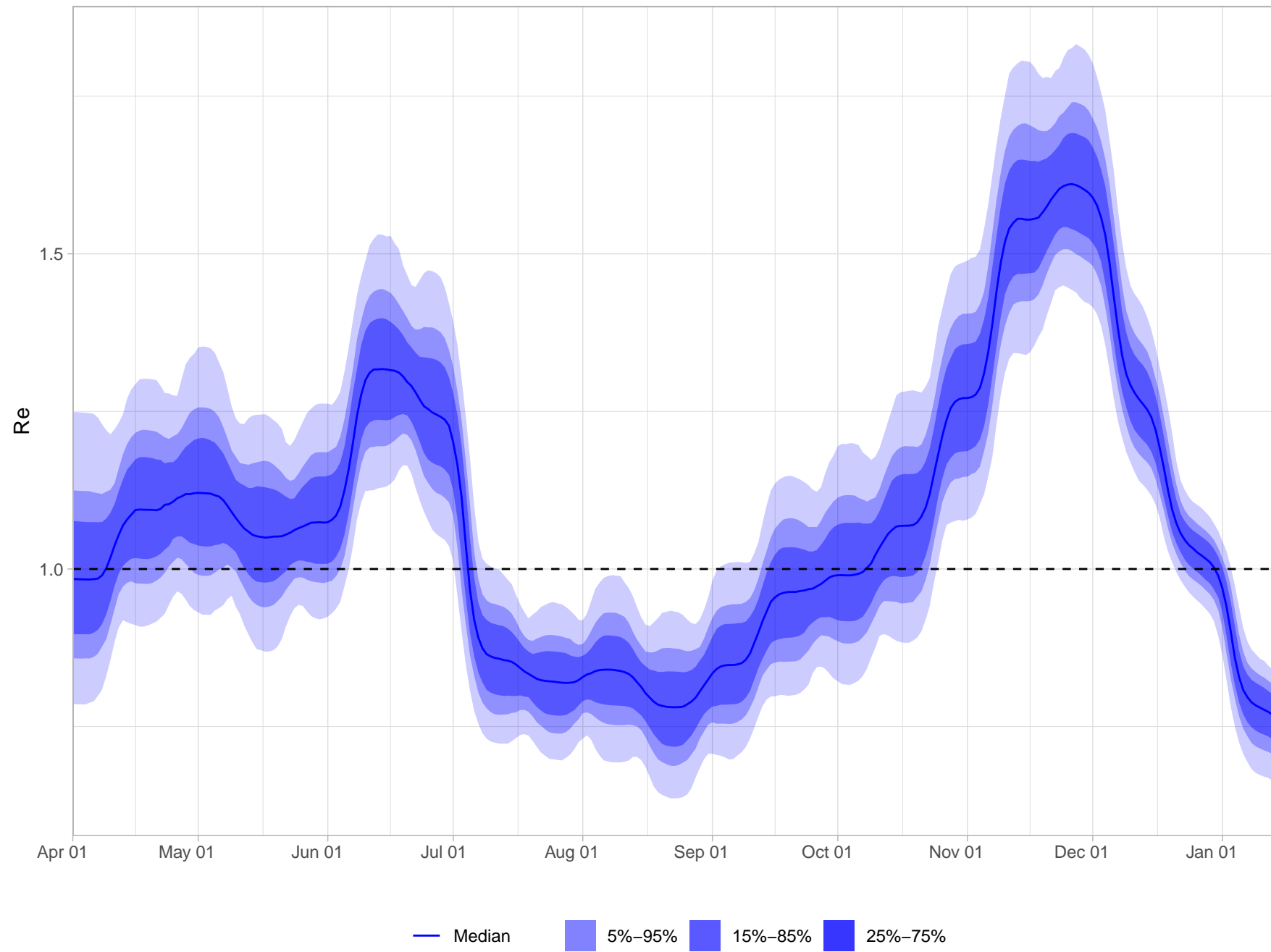
# Long Term Death Projection

Number of COVID19 Deaths



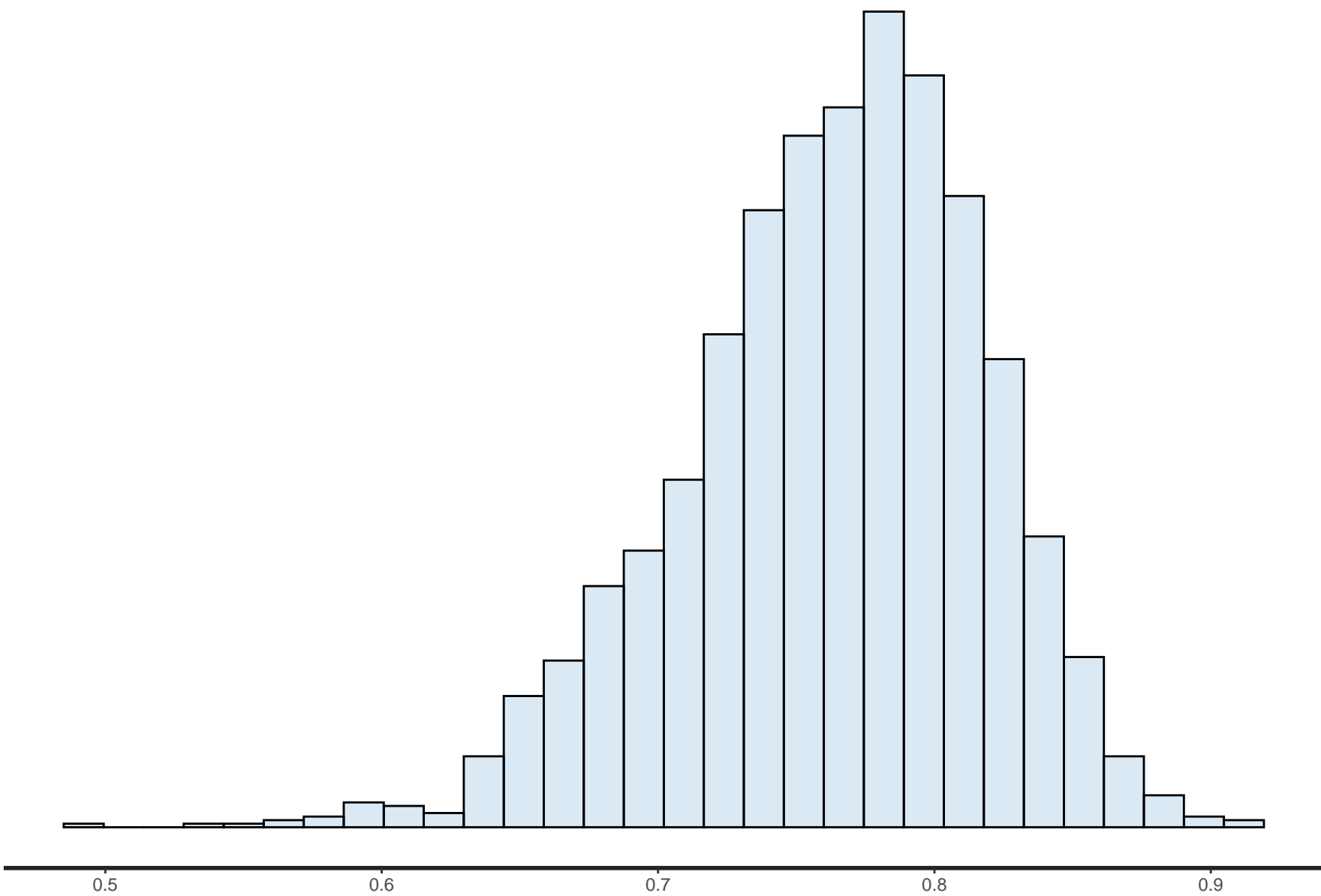
— Median    5%–95%    15%–85%    25%–75%

Effective Reproduction Number

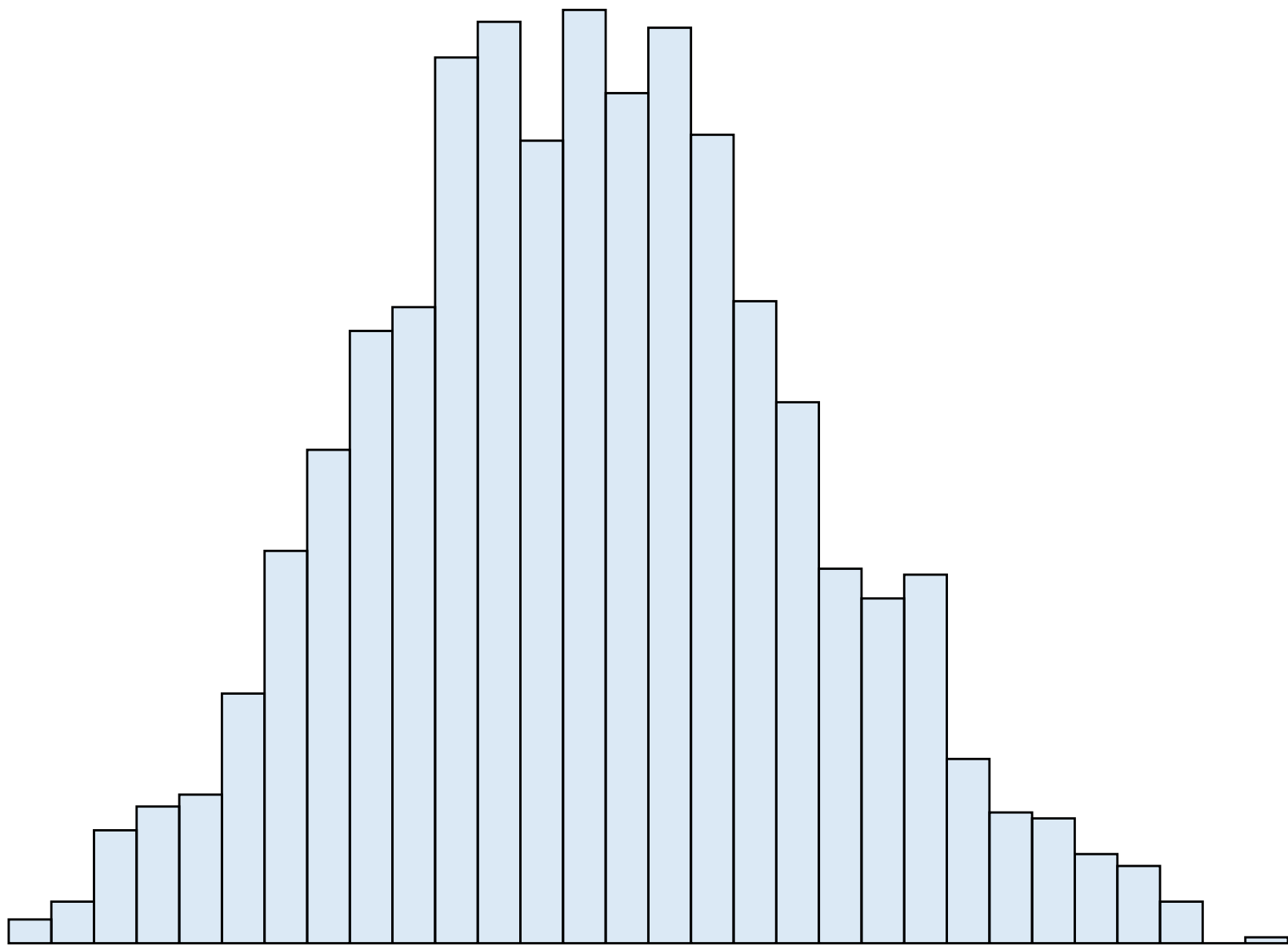


# Rt as of 2021-01-13

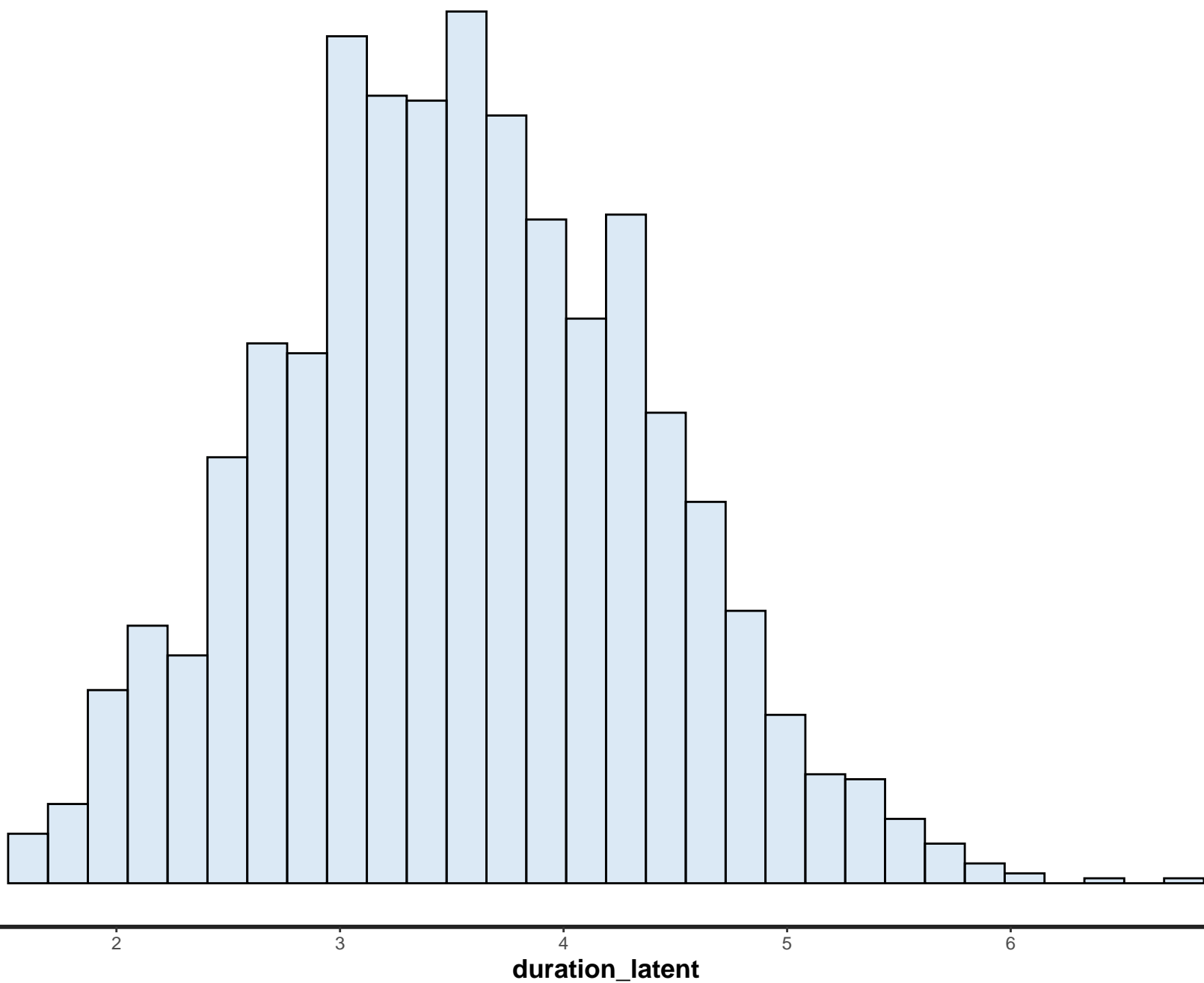
5%	10%	25%	50%	75%	90%	95%
0.66	0.69	0.73	0.77	0.80	0.83	0.84

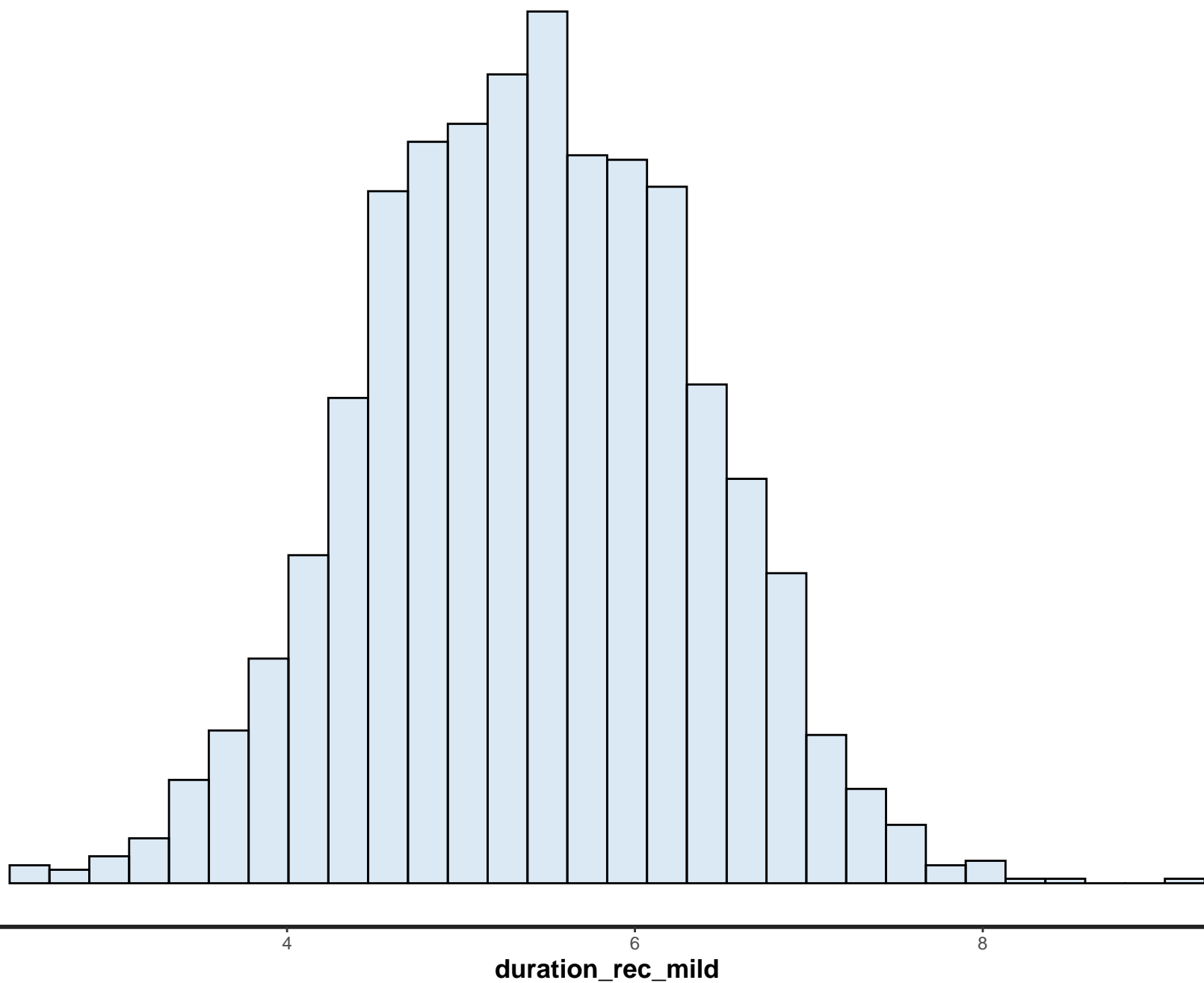


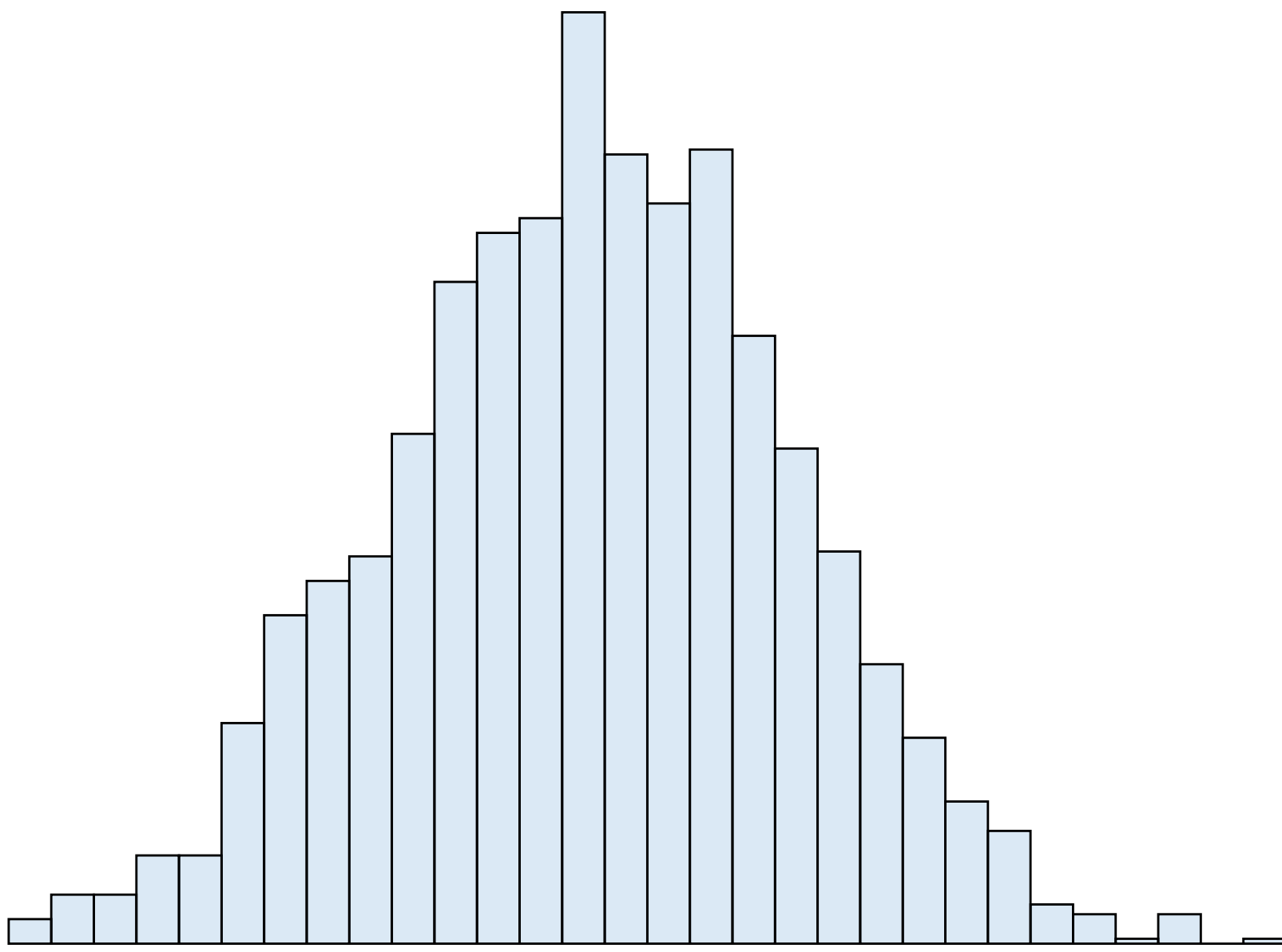




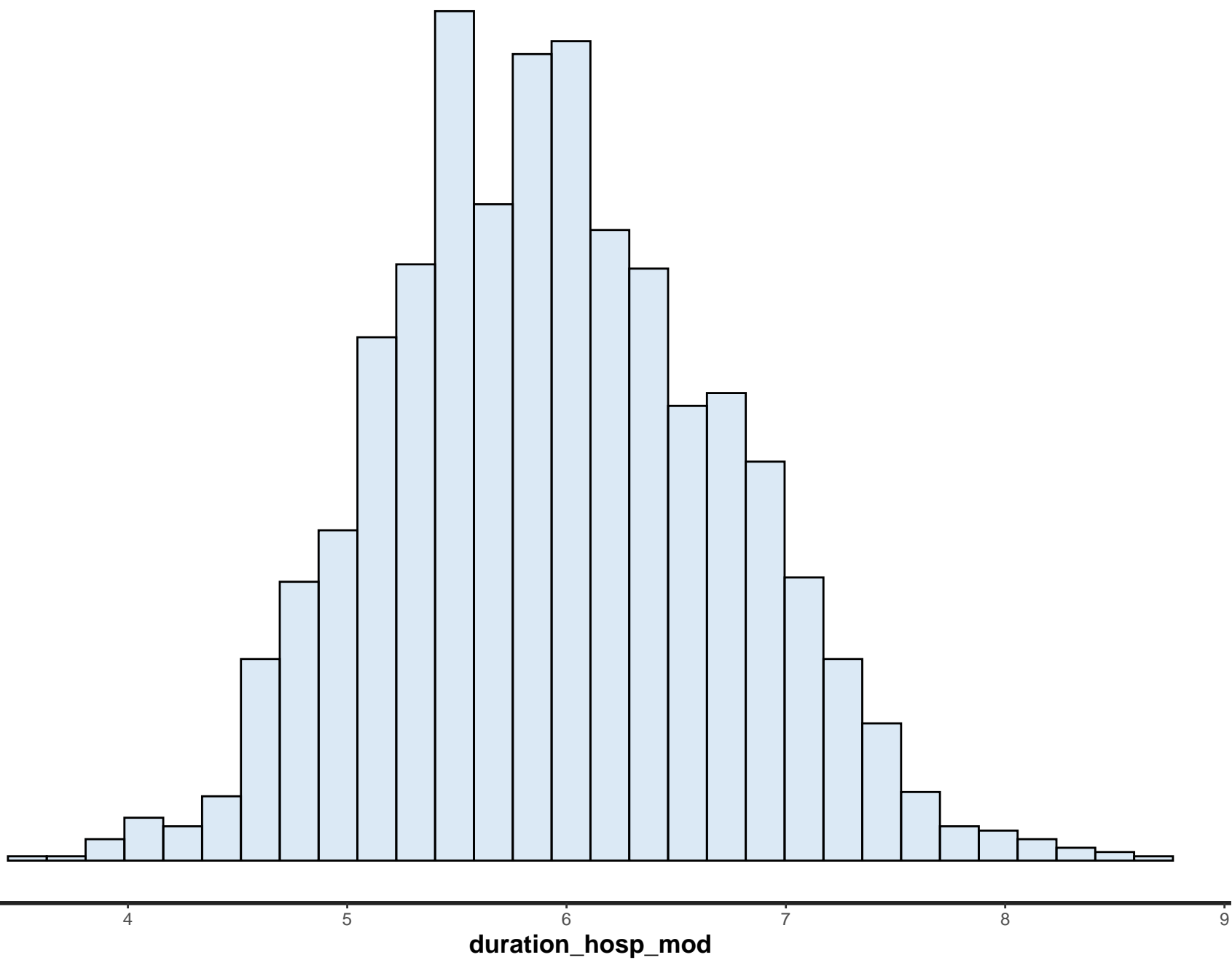
$r_0$

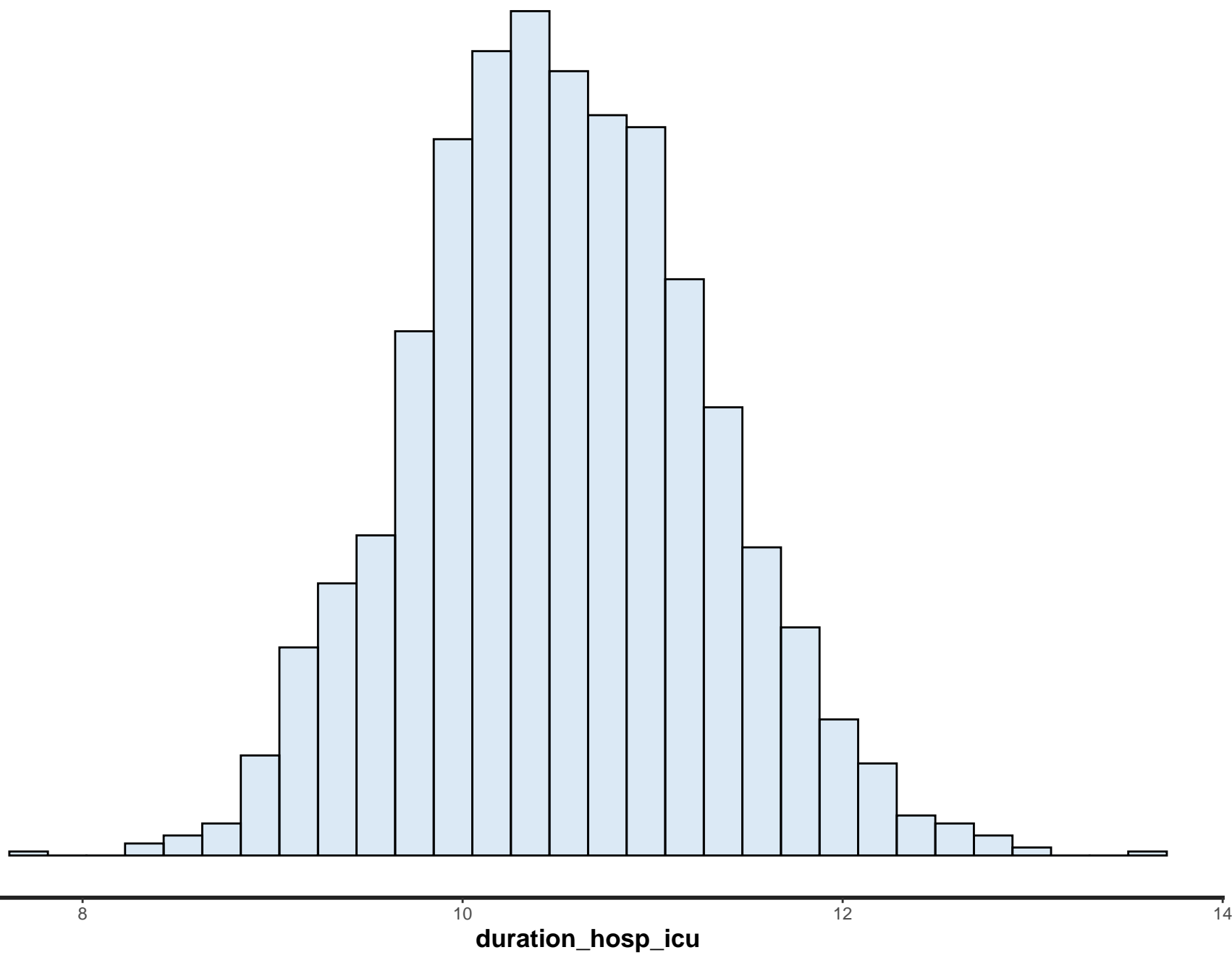


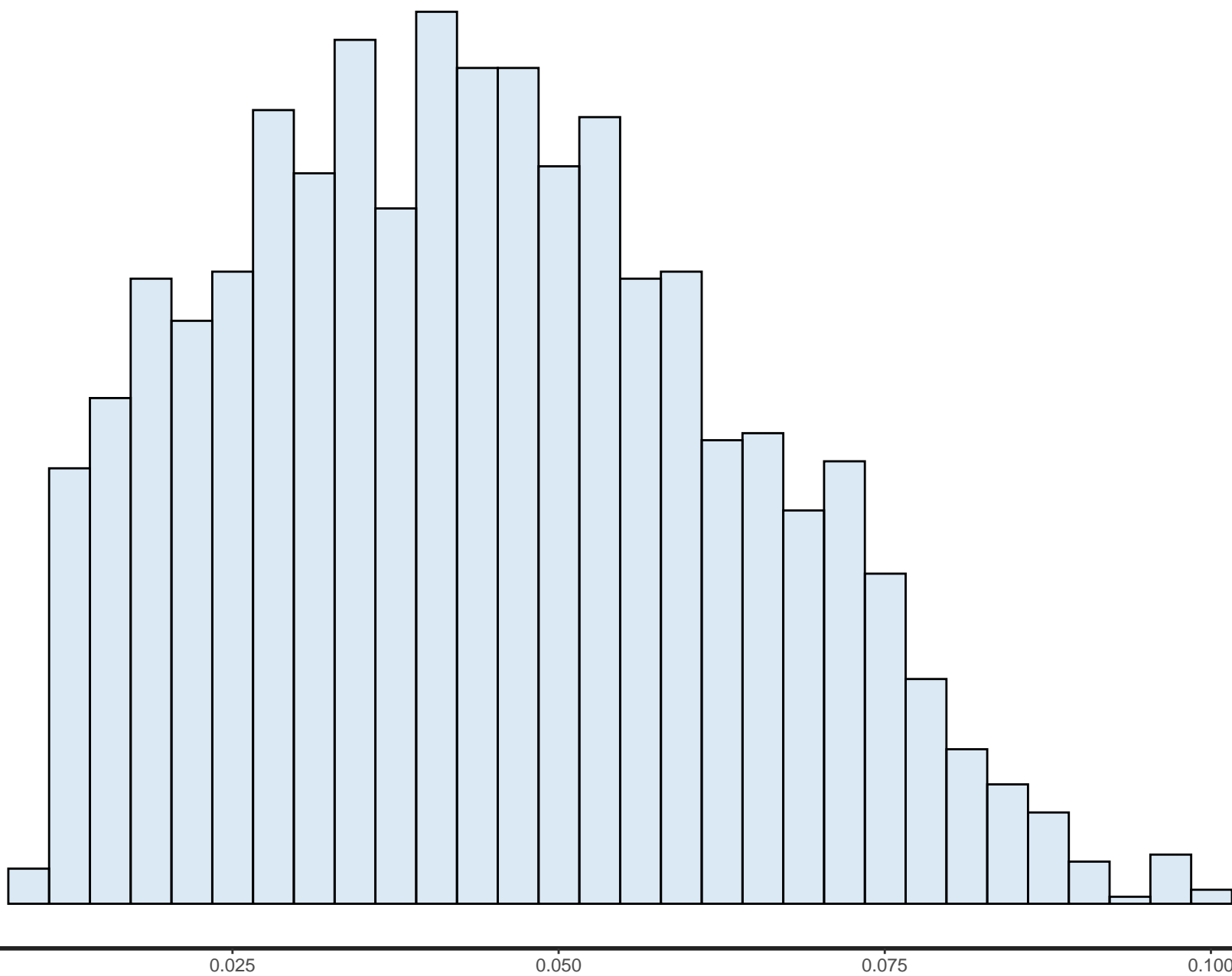


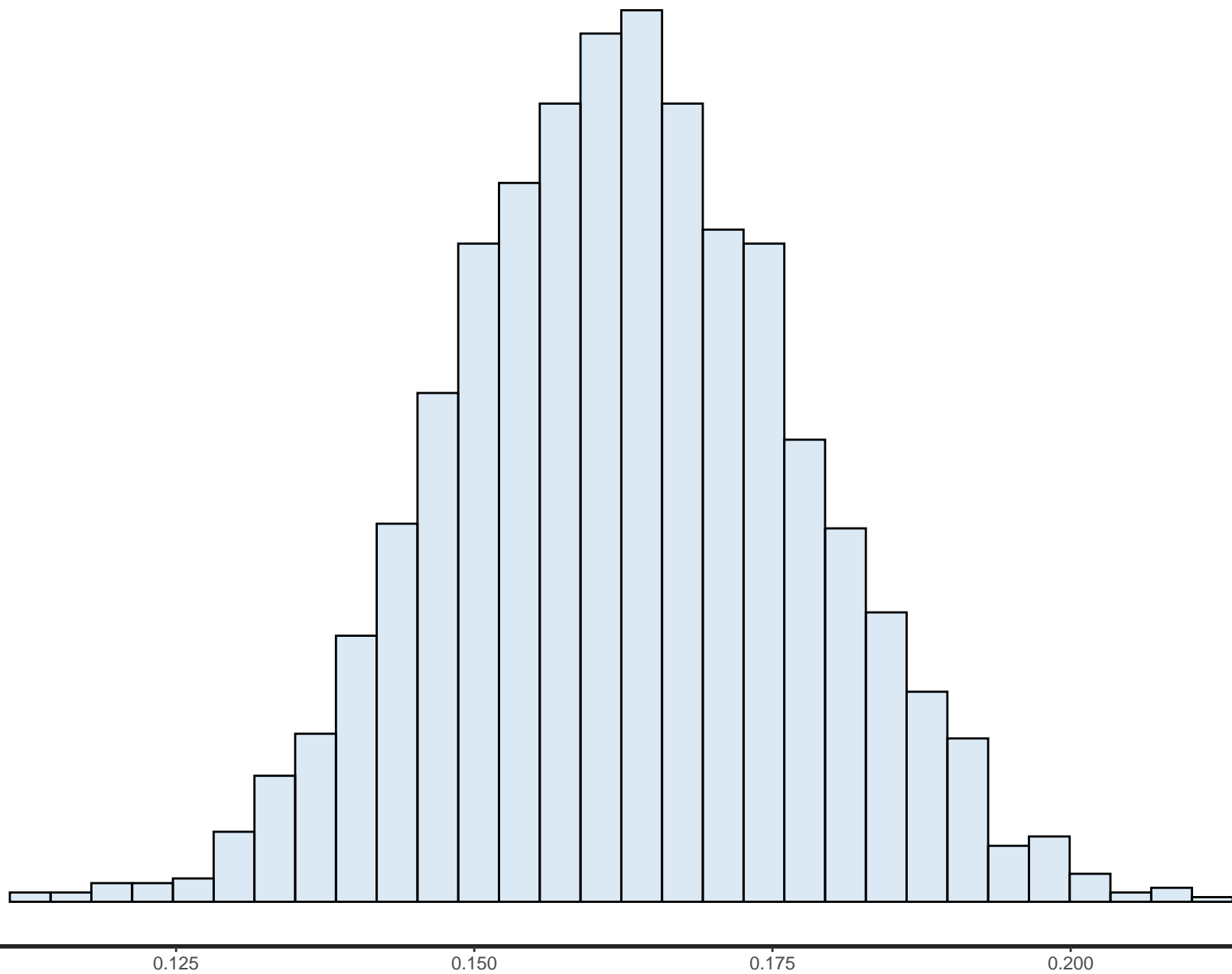


duration\_pre\_hosp

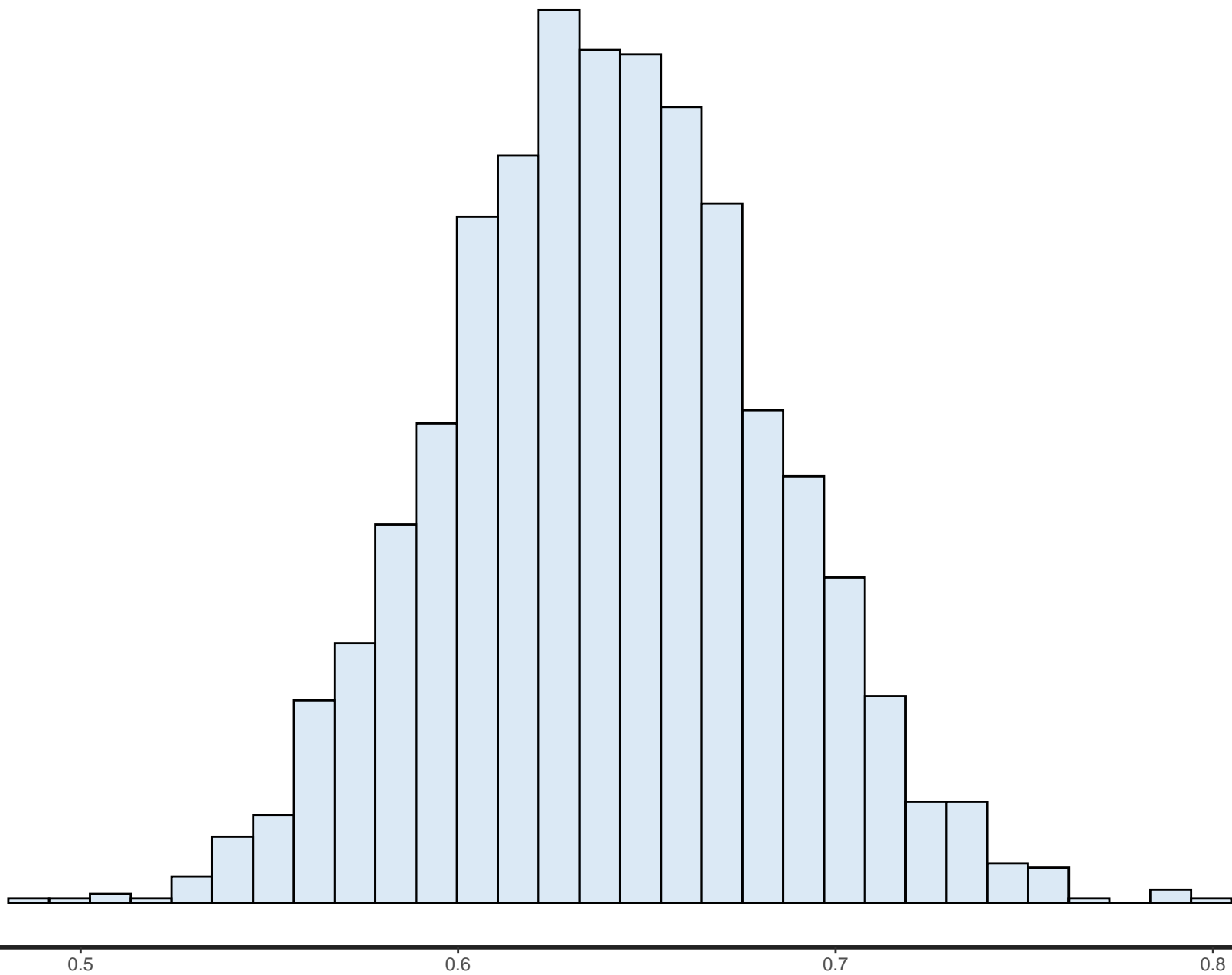




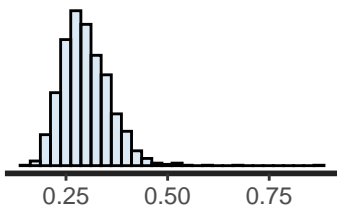




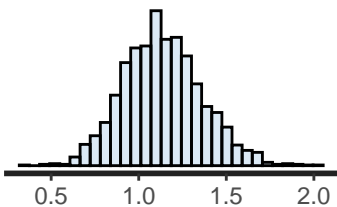




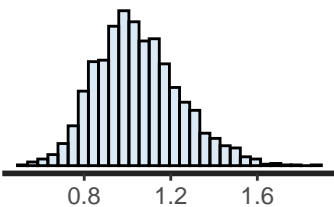
**beta\_multiplier[1]**



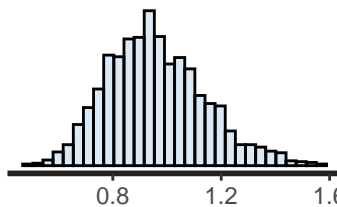
**beta\_multiplier[2]**



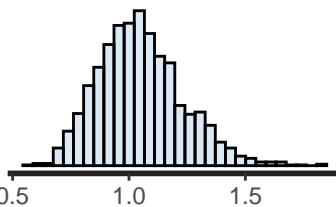
**beta\_multiplier[3]**



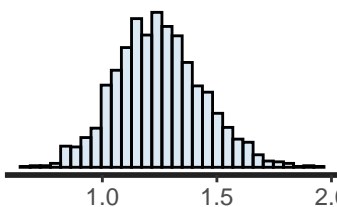
**beta\_multiplier[4]**



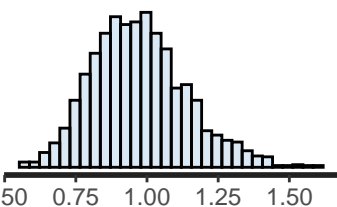
**beta\_multiplier[5]**



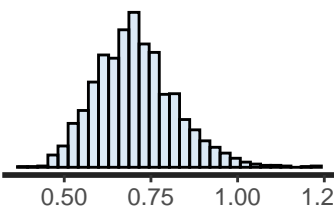
**beta\_multiplier[6]**



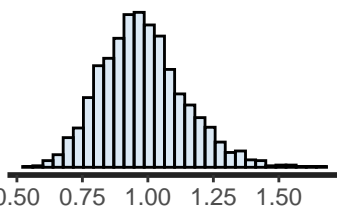
**beta\_multiplier[7]**



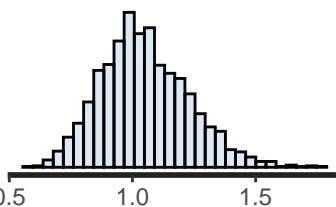
**beta\_multiplier[8]**



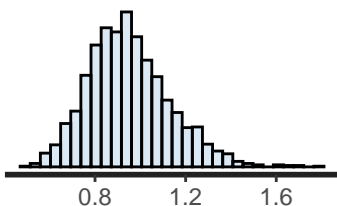
**beta\_multiplier[9]**



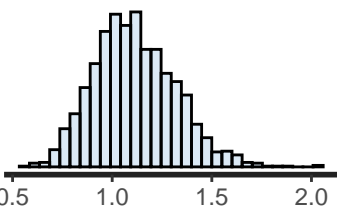
**beta\_multiplier[10]**



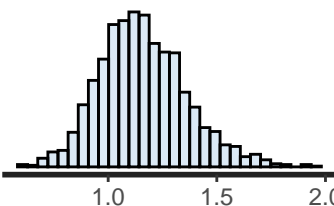
**beta\_multiplier[11]**



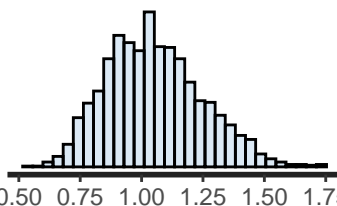
**beta\_multiplier[12]**



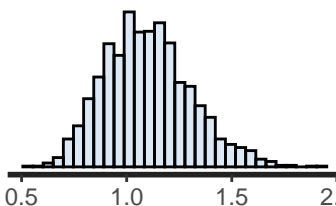
beta\_multiplier[13]



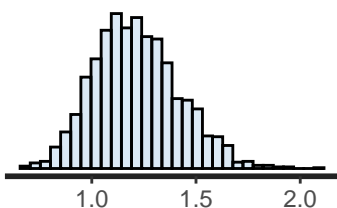
**beta\_multiplier[14]**



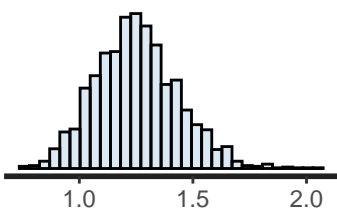
**beta\_multiplier[15]**



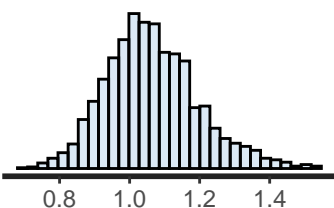
**beta\_multiplier[16]**



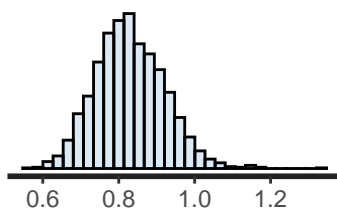
beta\_multiplier[17]



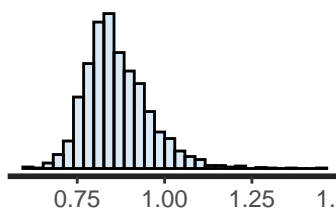
**beta\_multiplier[18]**



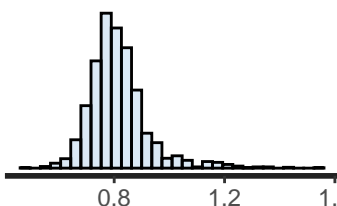
**beta\_multiplier[19]**



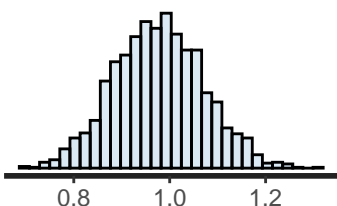
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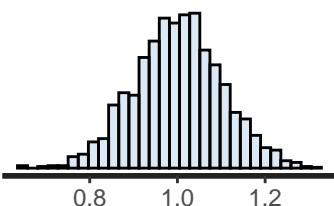
**beta\_multiplier[21]**

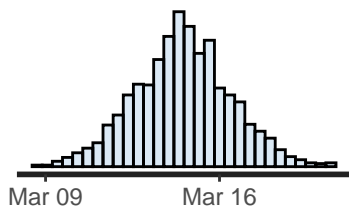
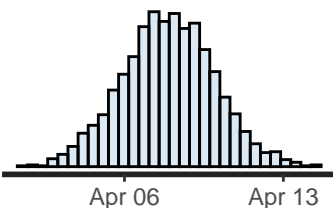
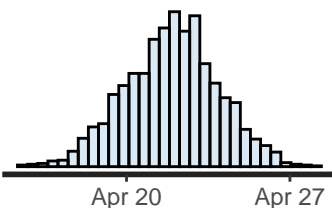
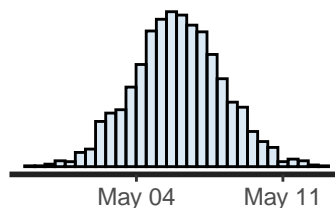
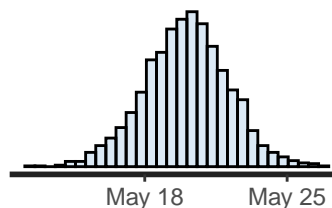
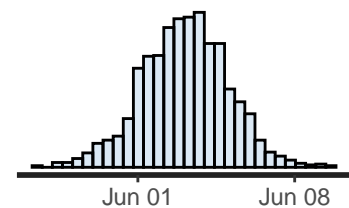
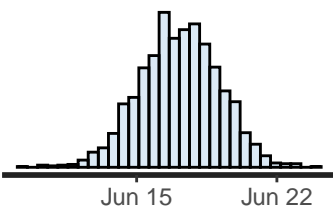
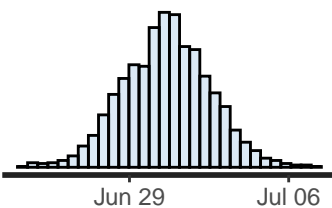
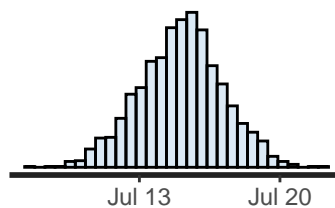
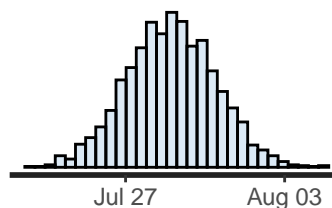
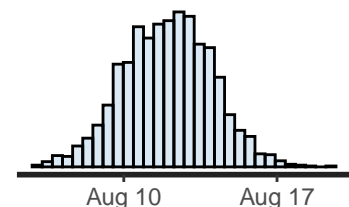
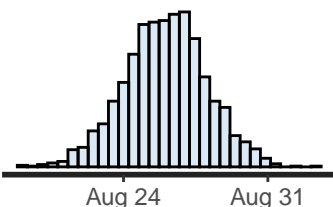
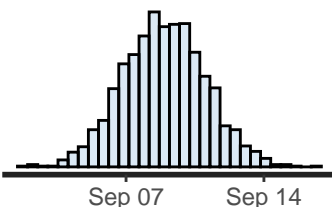
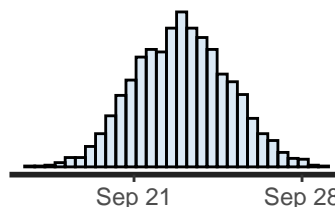
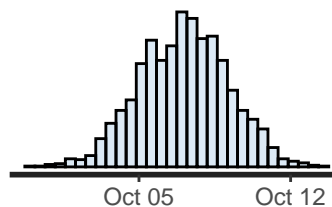
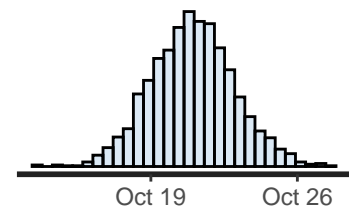
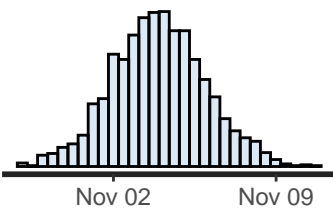
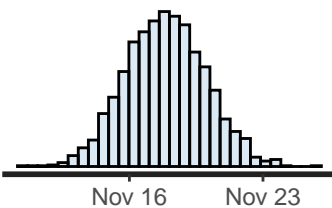
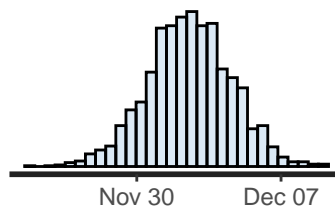
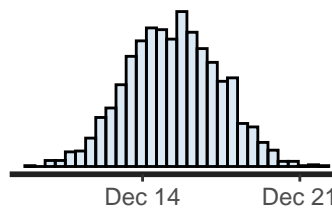
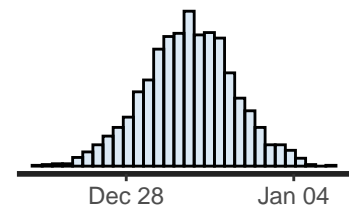
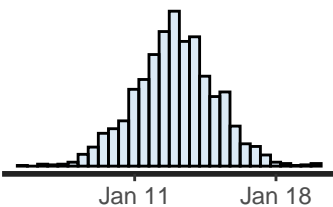
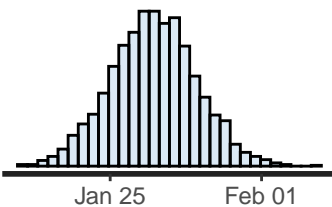


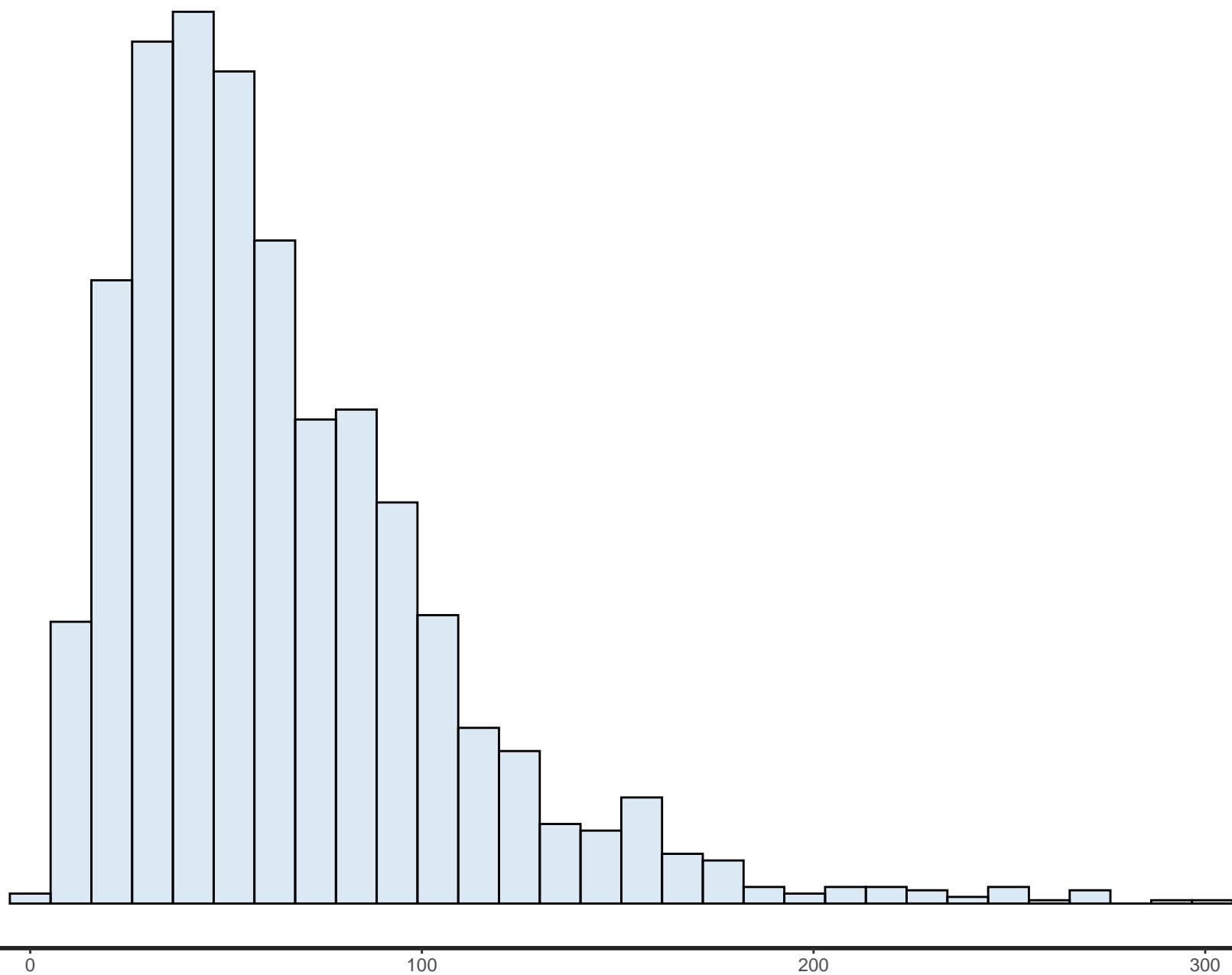
beta\_multiplier[22]



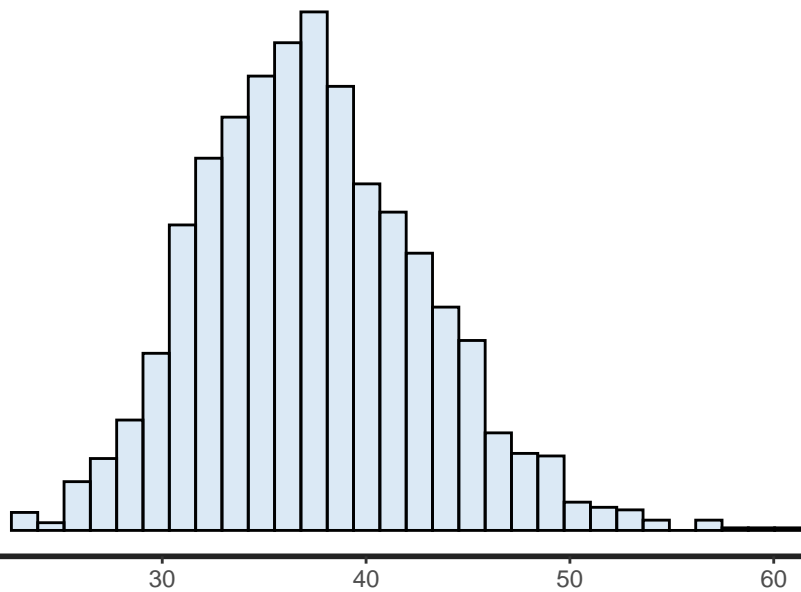
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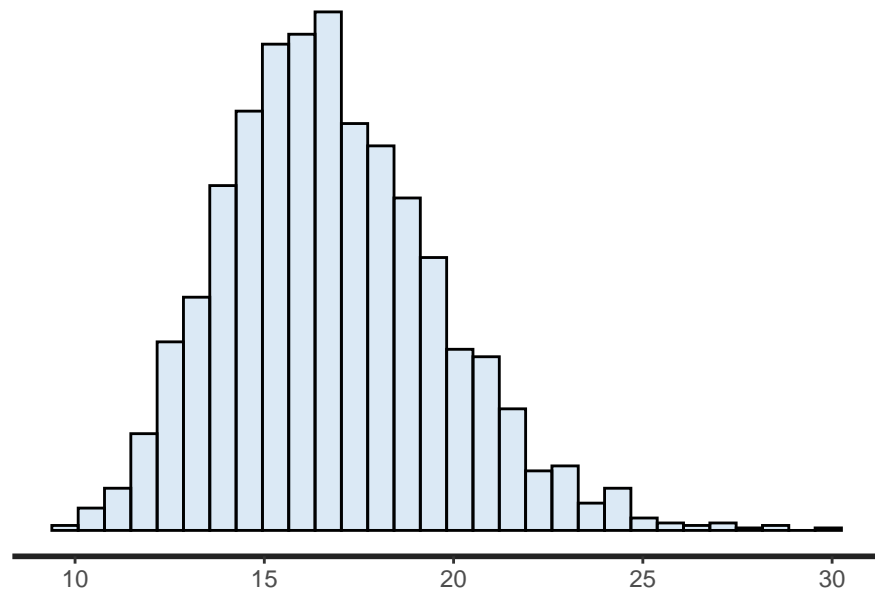
**t\_inter[1]****t\_inter[2]****t\_inter[3]****t\_inter[4]****t\_inter[5]****t\_inter[6]****t\_inter[7]****t\_inter[8]****t\_inter[9]****t\_inter[10]****t\_inter[11]****t\_inter[12]****t\_inter[13]****t\_inter[14]****t\_inter[15]****t\_inter[16]****t\_inter[17]****t\_inter[18]****t\_inter[19]****t\_inter[20]****t\_inter[21]****t\_inter[22]****t\_inter[23]**



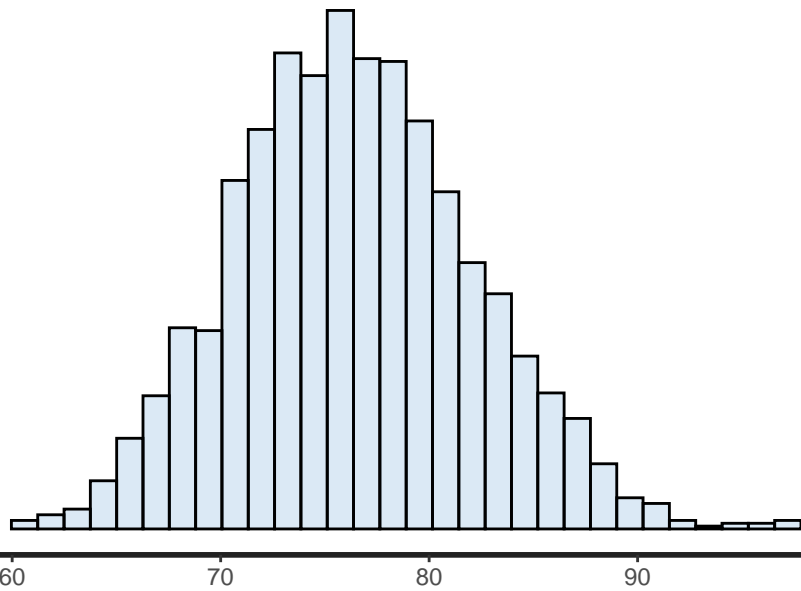
**sigma\_obs[1]**



**sigma\_obs[2]**



**sigma\_obs[3]**



**sigma\_obs[4]**

