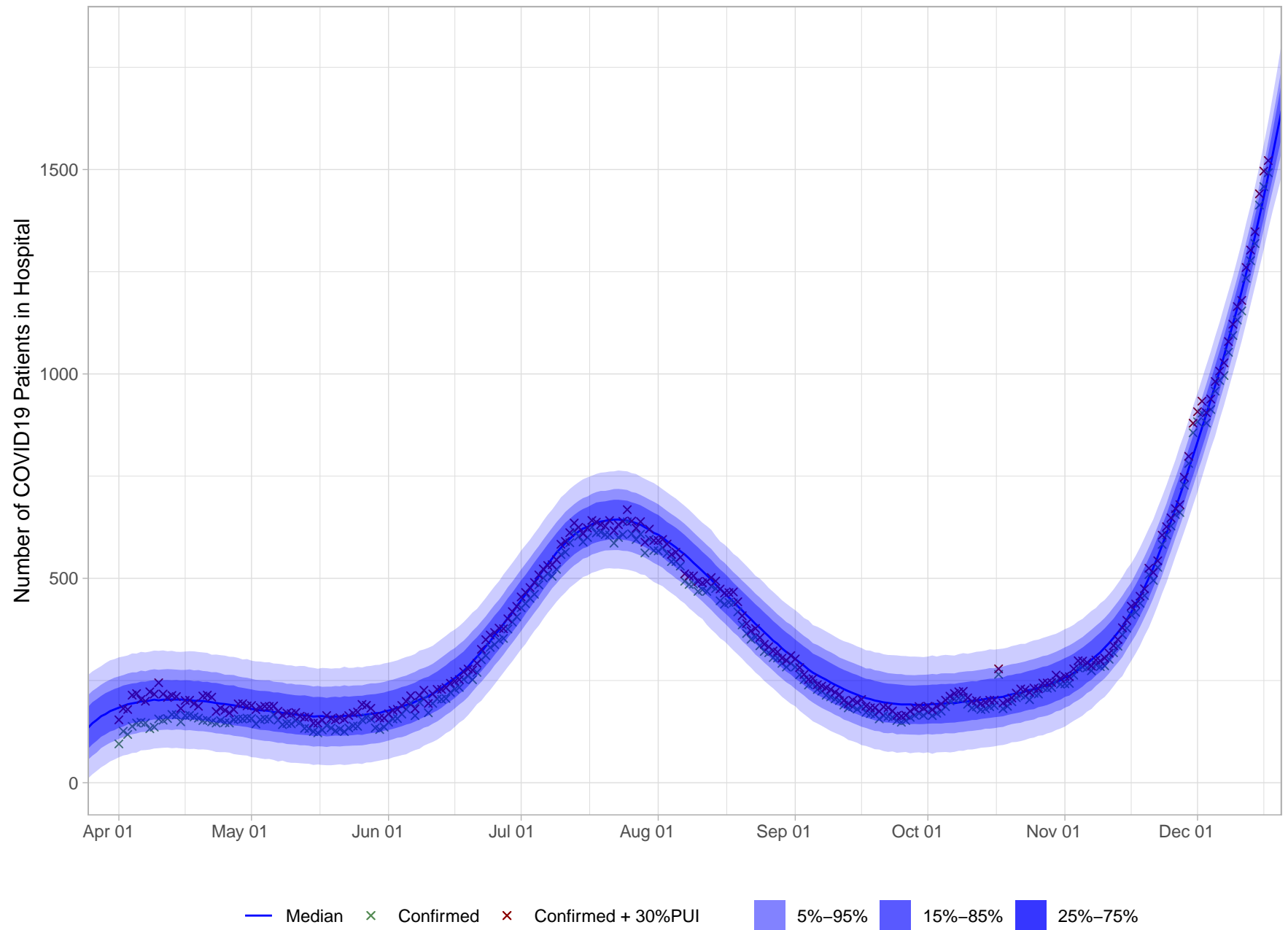
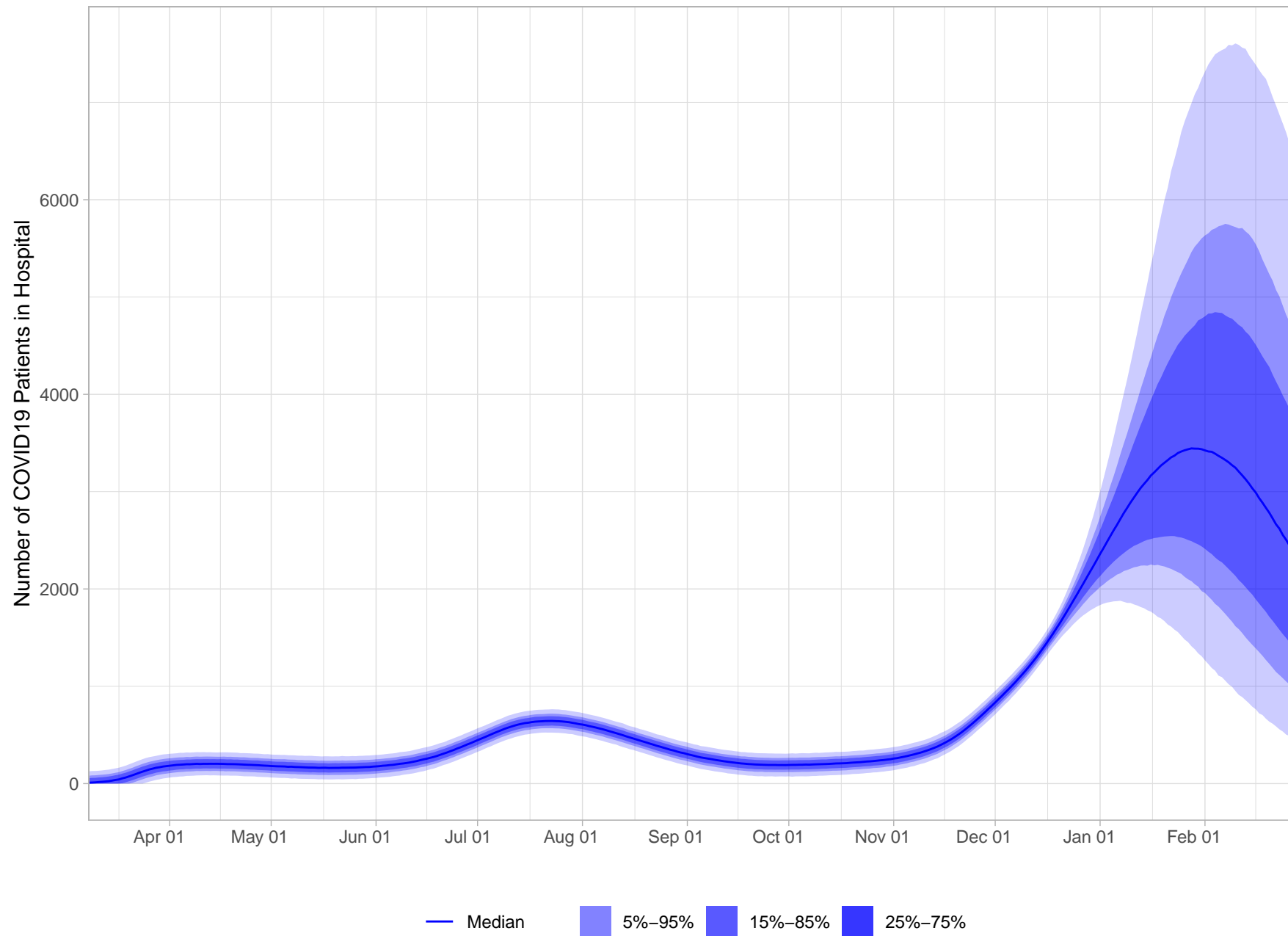


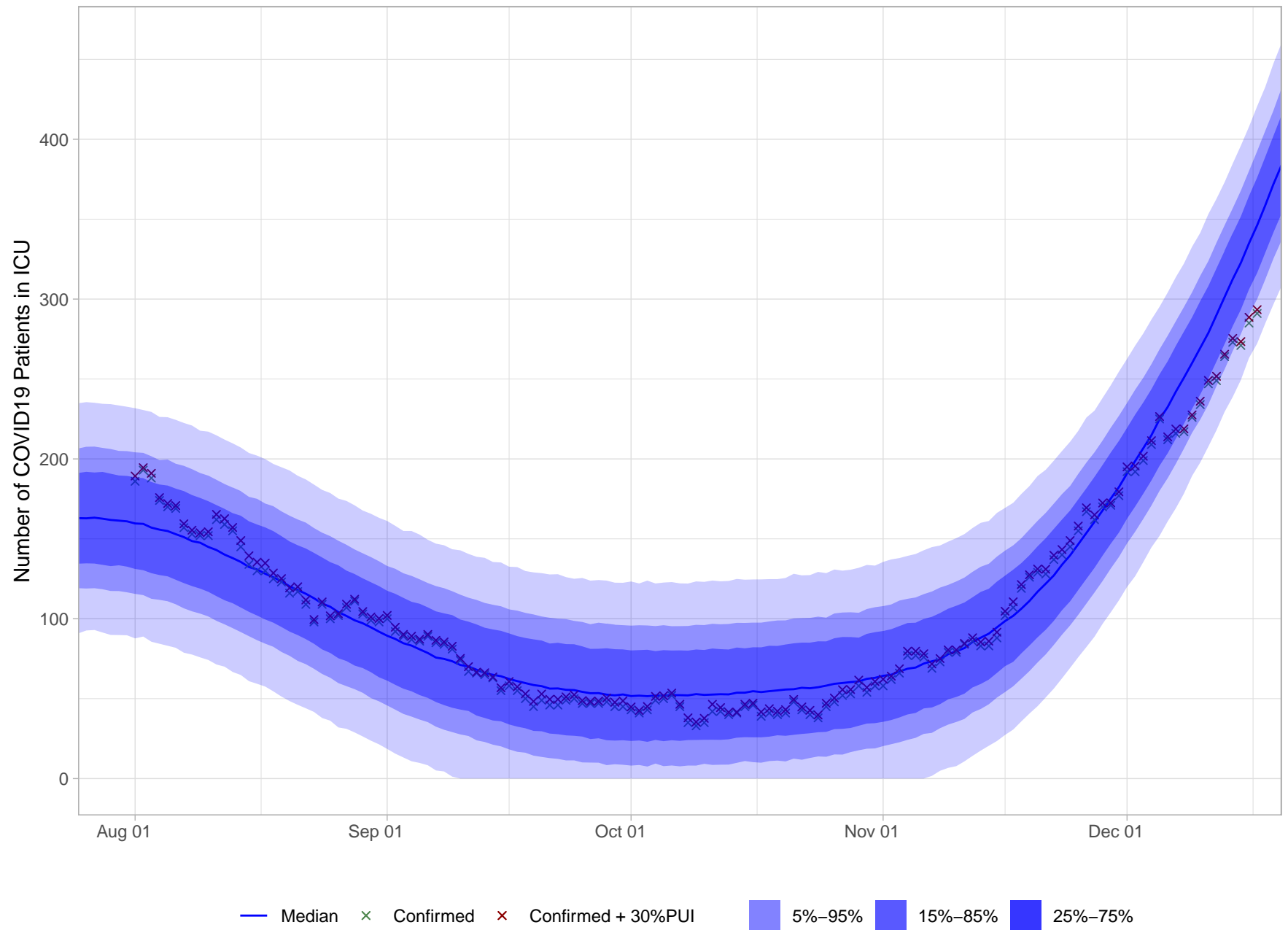
# Short Term Hospitalization Projection



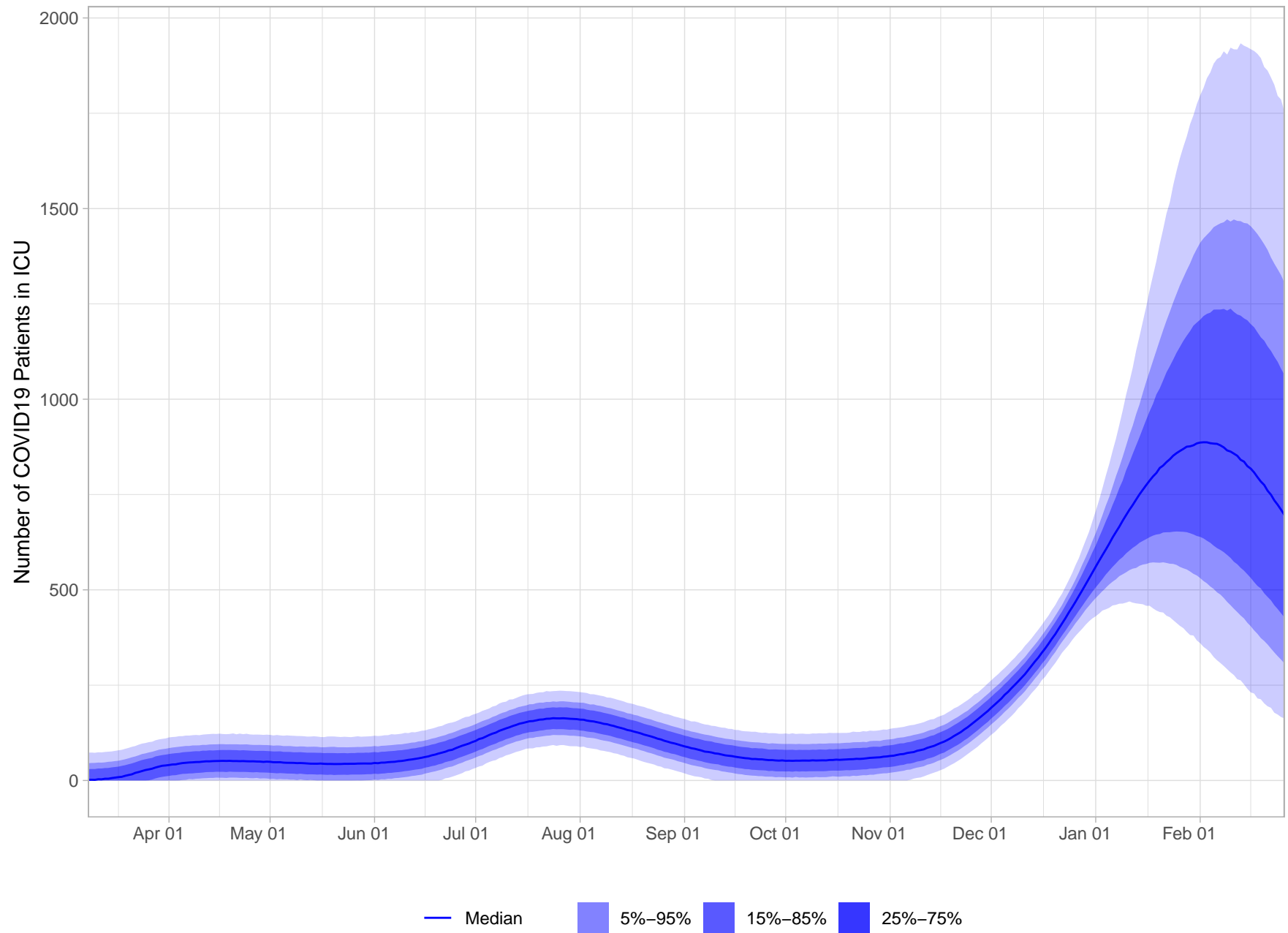
# Long Term Hospitalization Projection



# Short Term ICU Projection

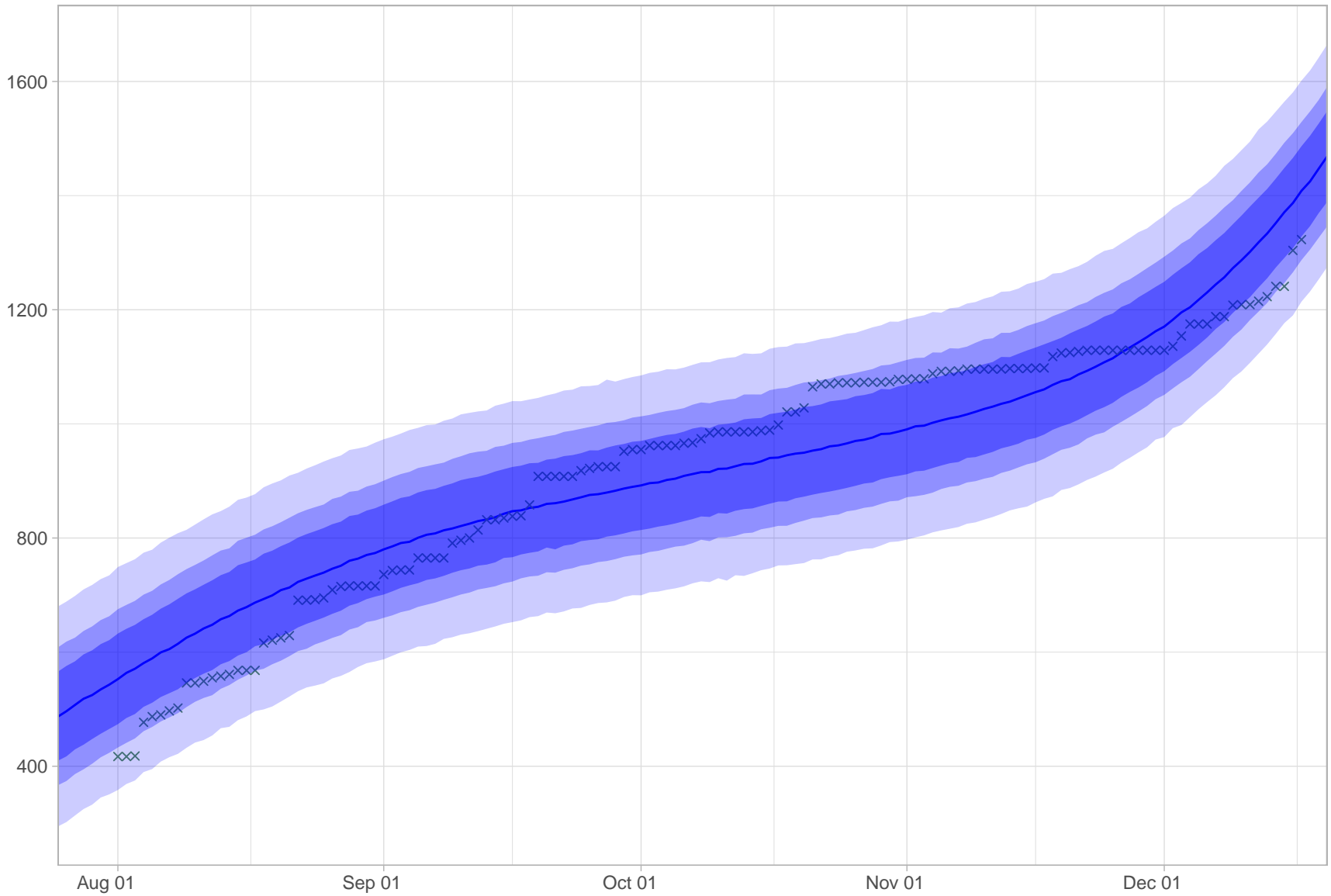


# Long Term ICU Projection



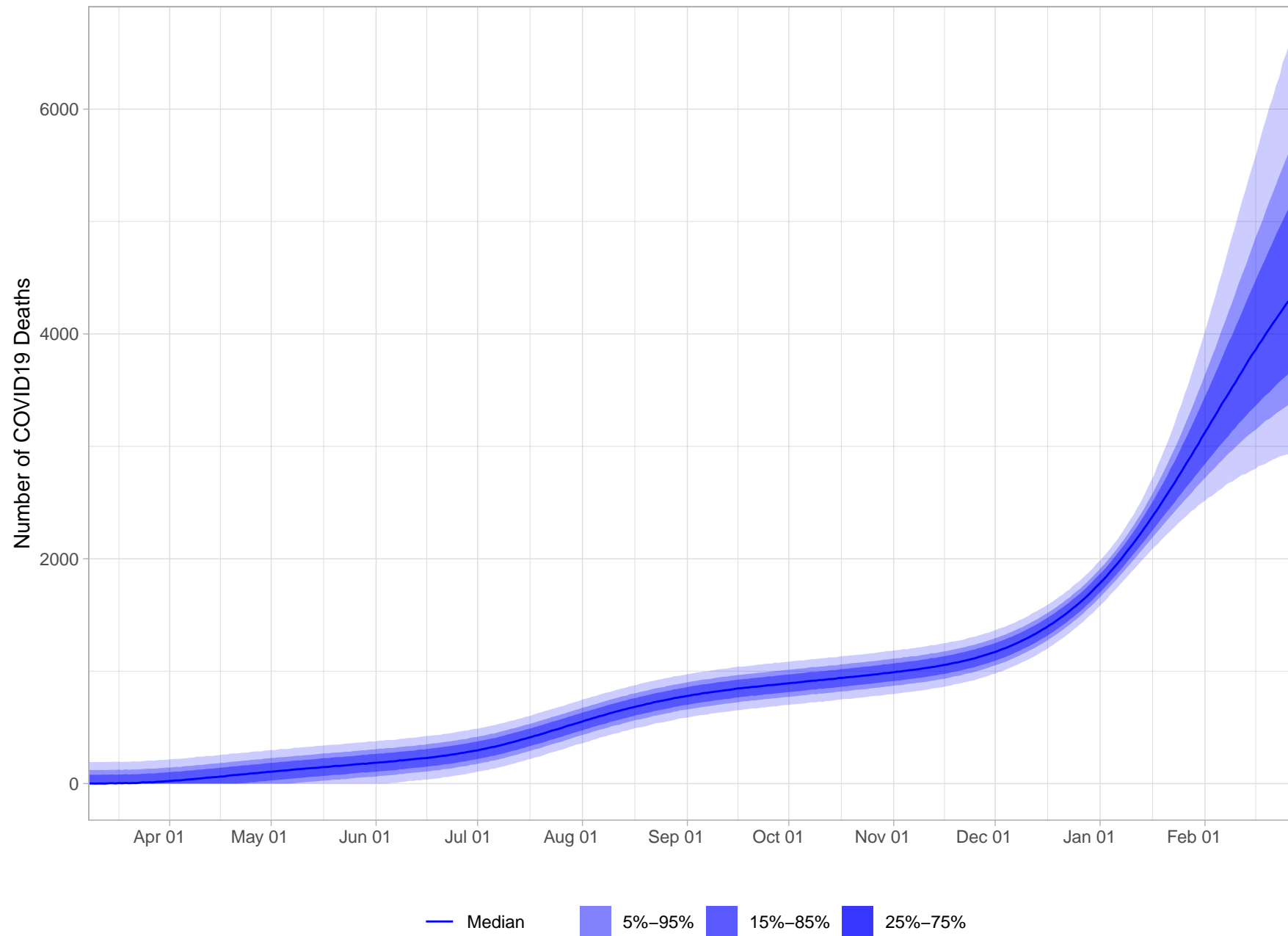
# Short Term Death Projection

Number of COVID19 Deaths

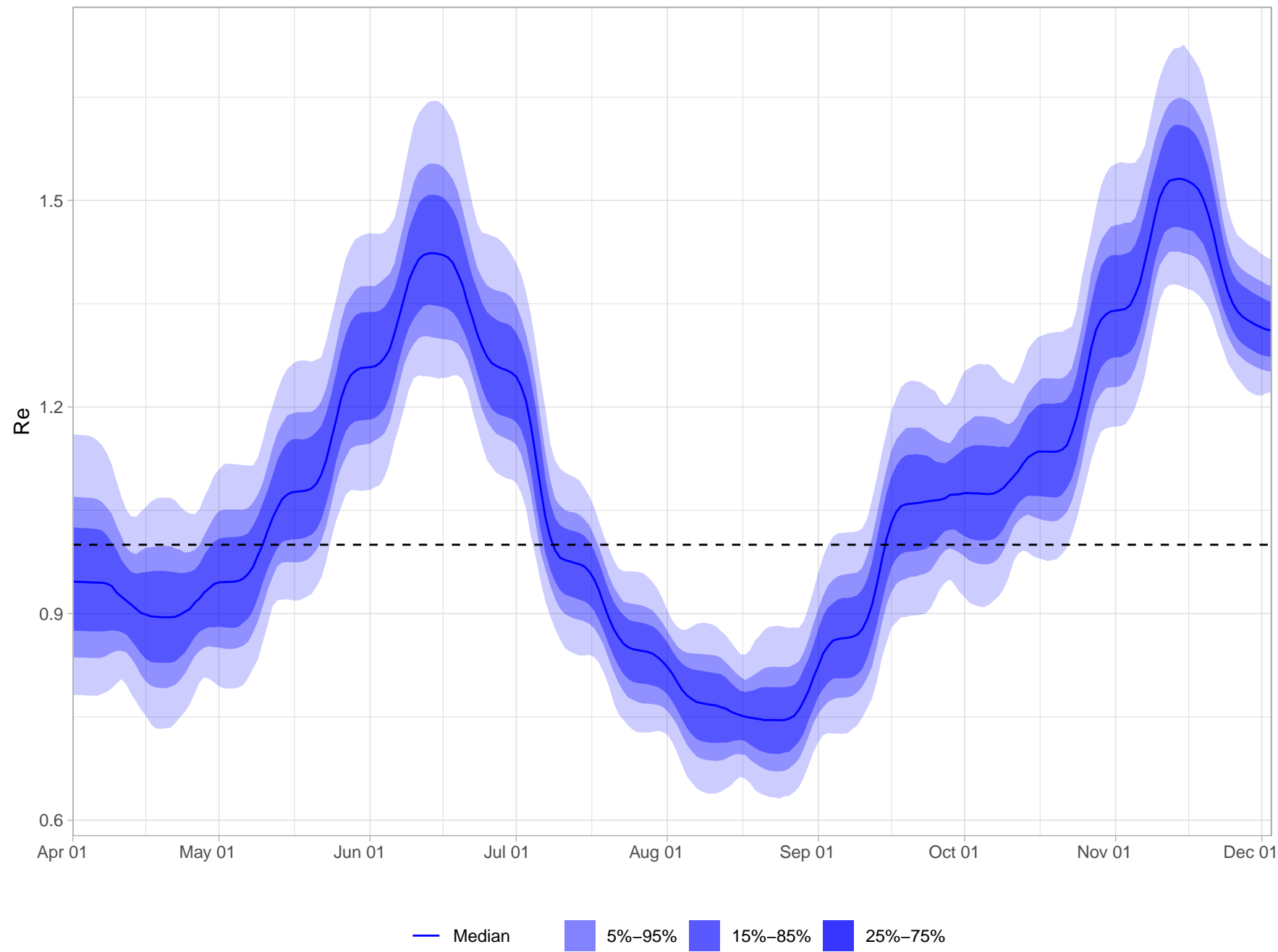


— Median    x Confirmed    5%-95%    15%-85%    25%-75%

# Long Term Death Projection

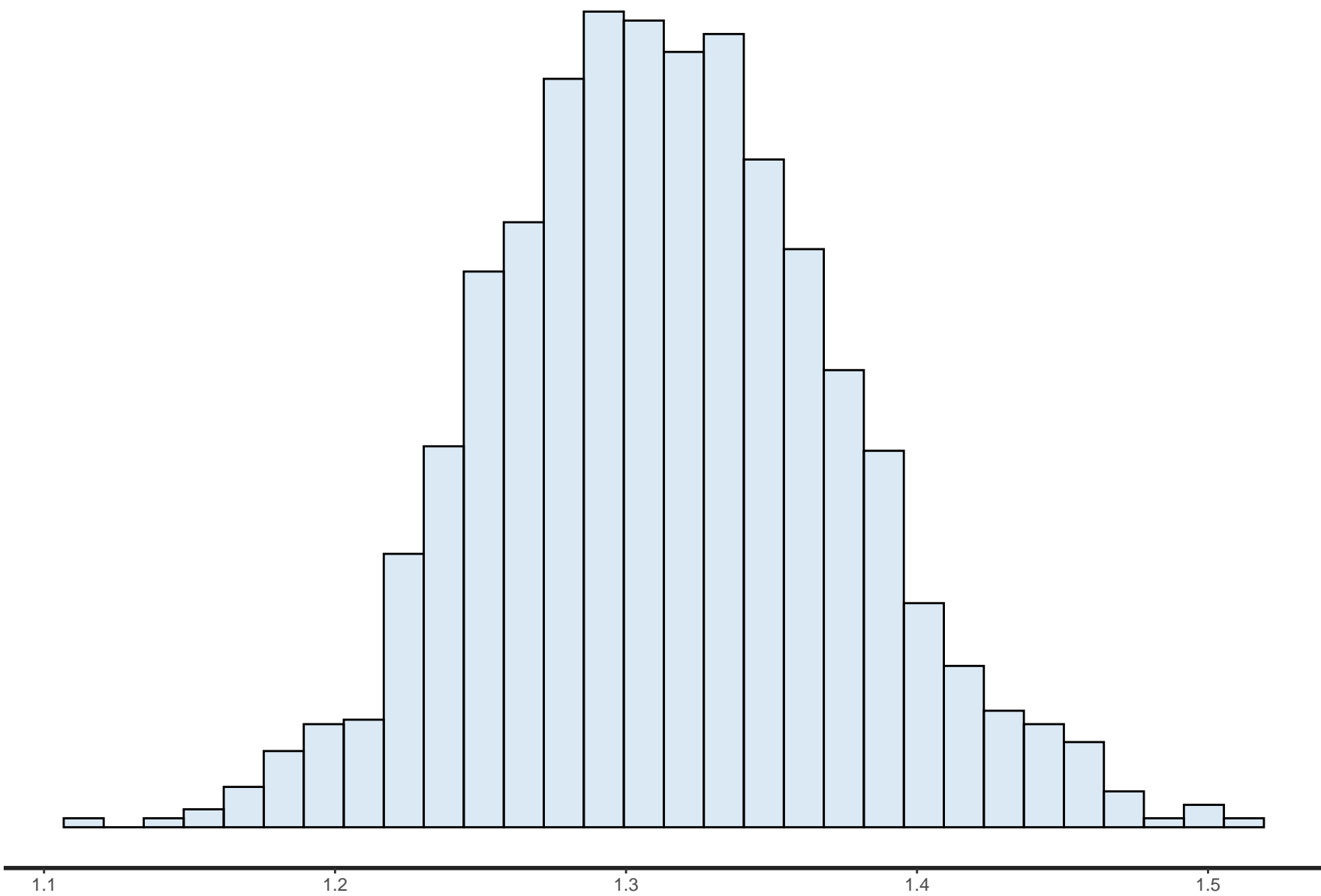


Effective Reproduction Number

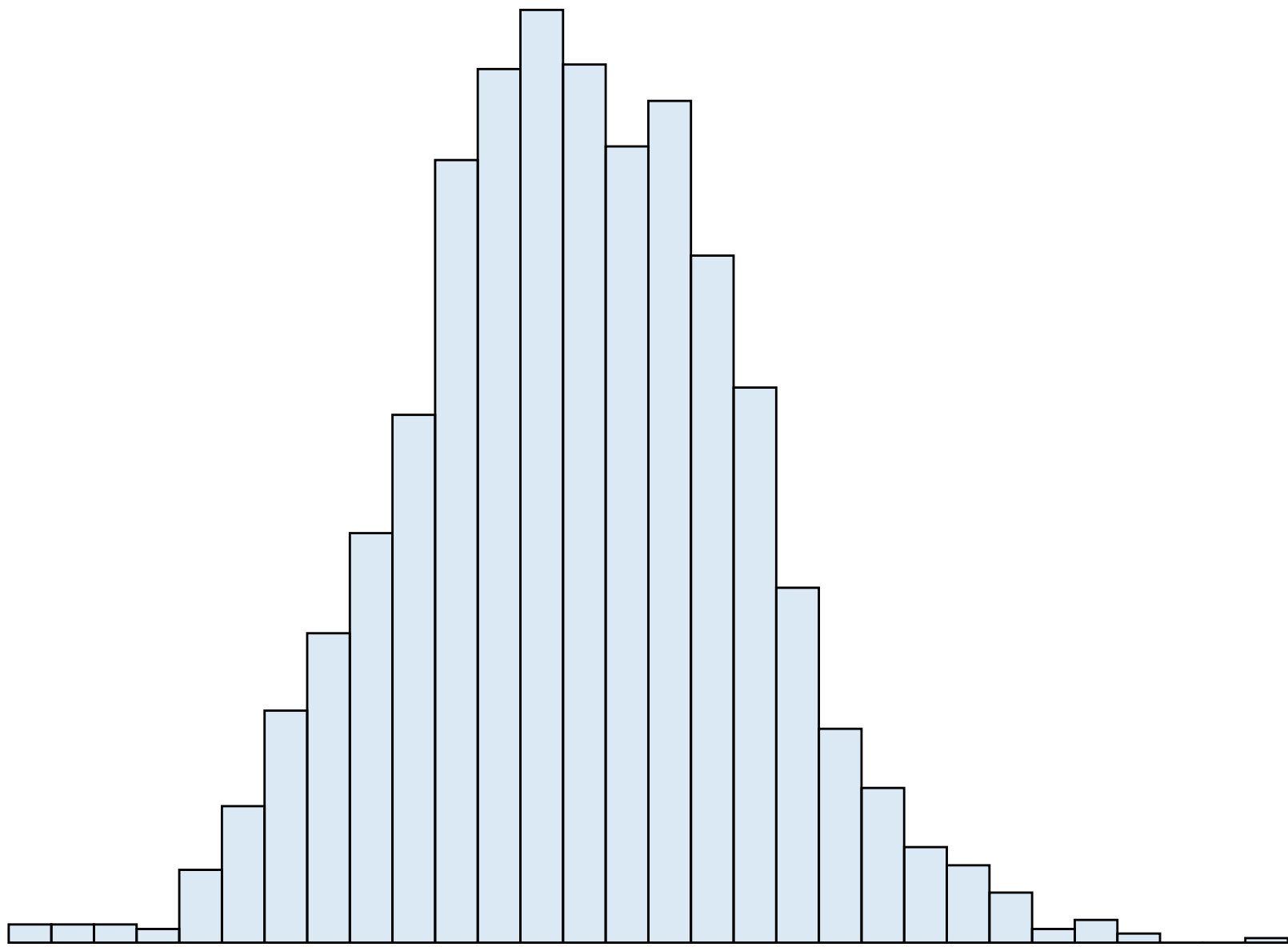


# Rt as of 2020-12-03

5% 10% 25% 50% 75% 90% 95%  
1.22 1.24 1.27 1.31 1.35 1.39 1.41







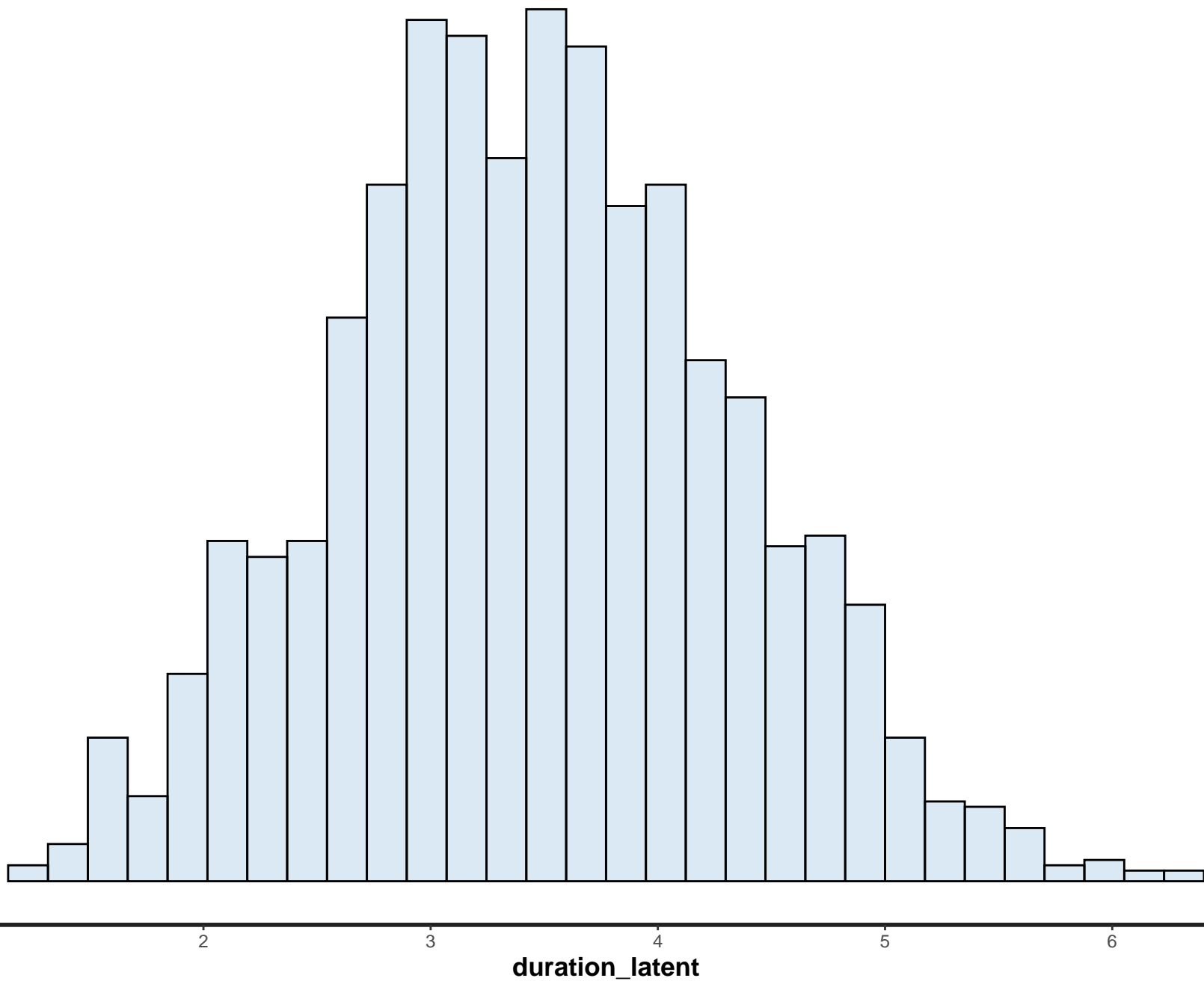
2

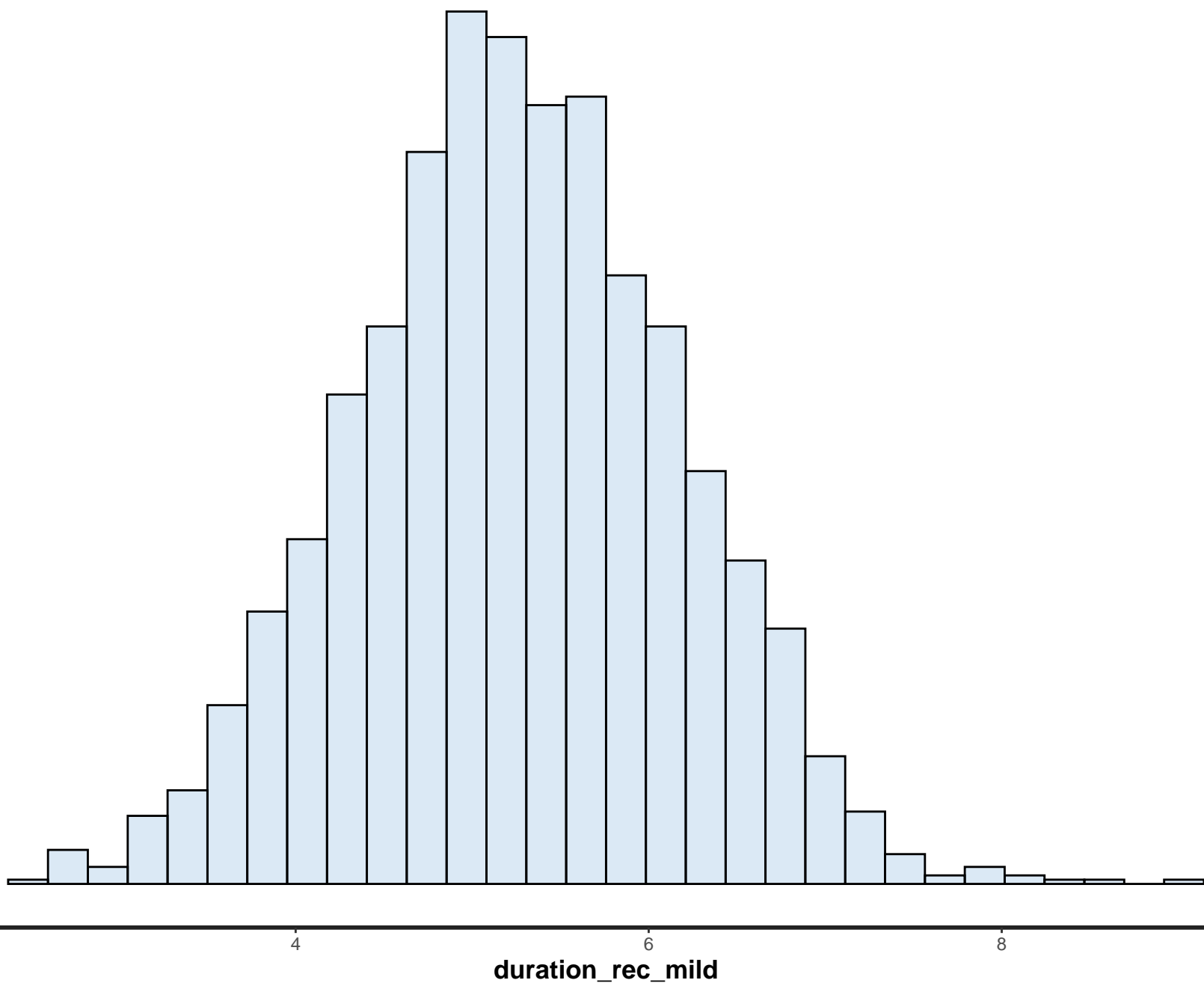
3

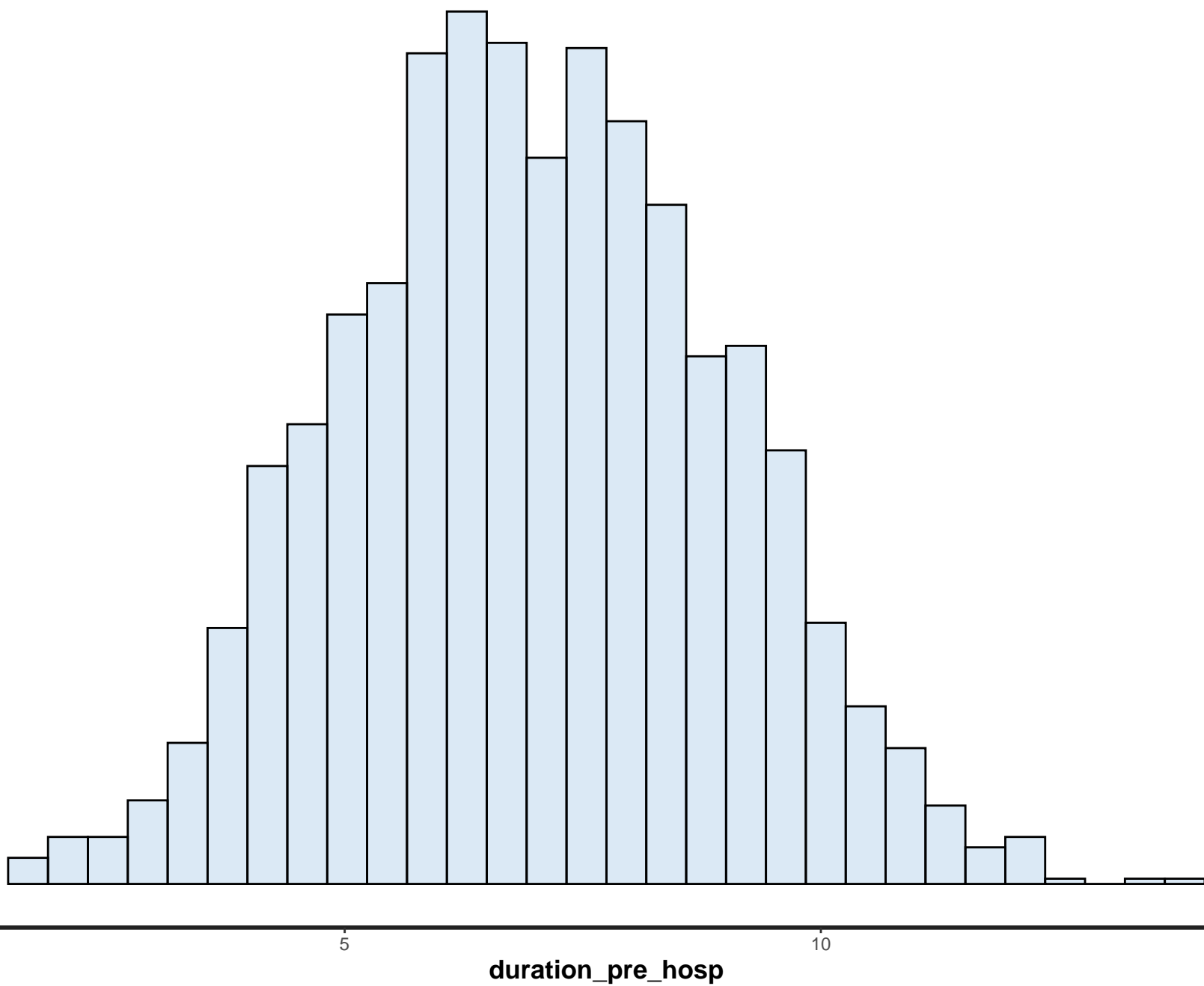
4

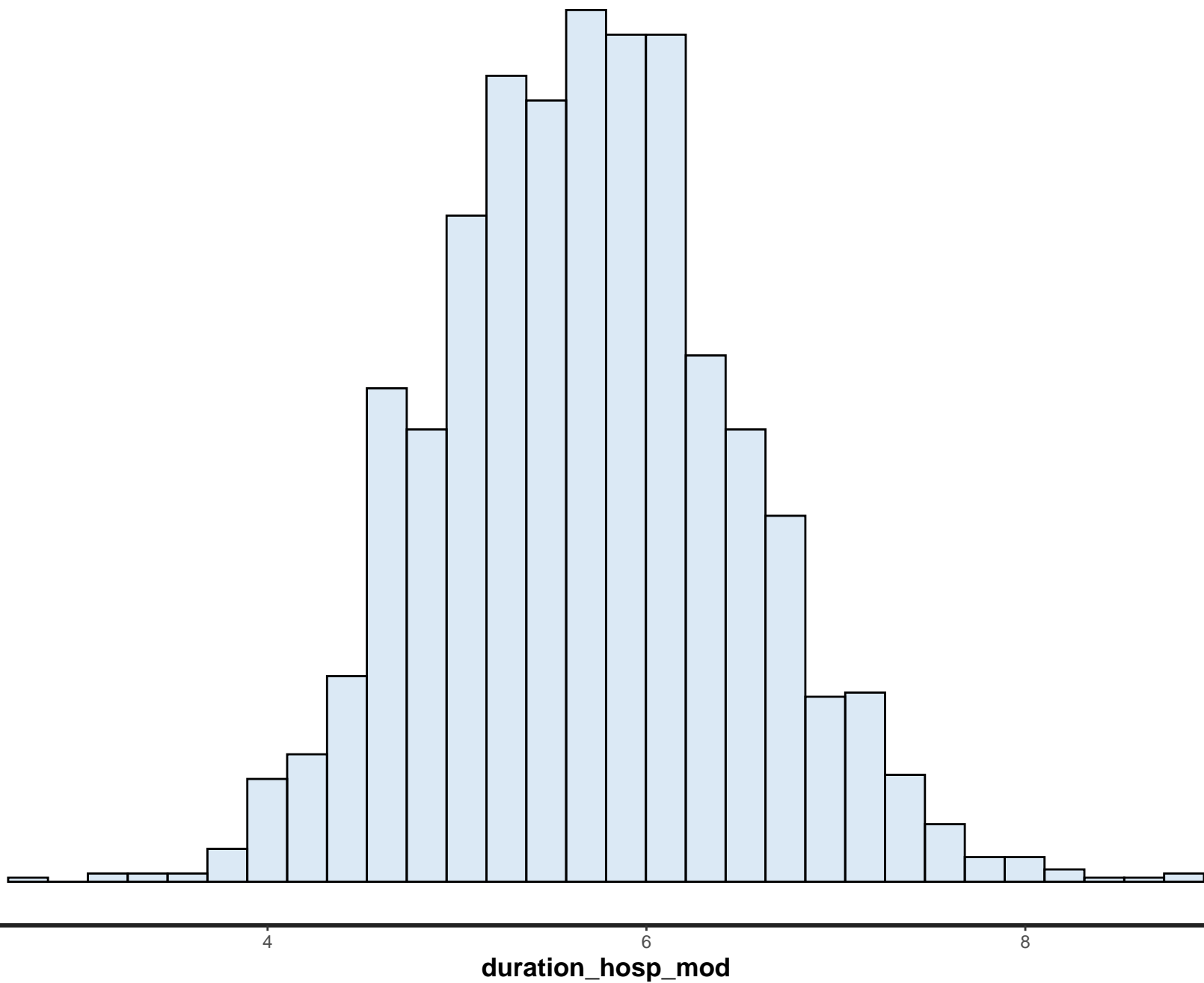
5

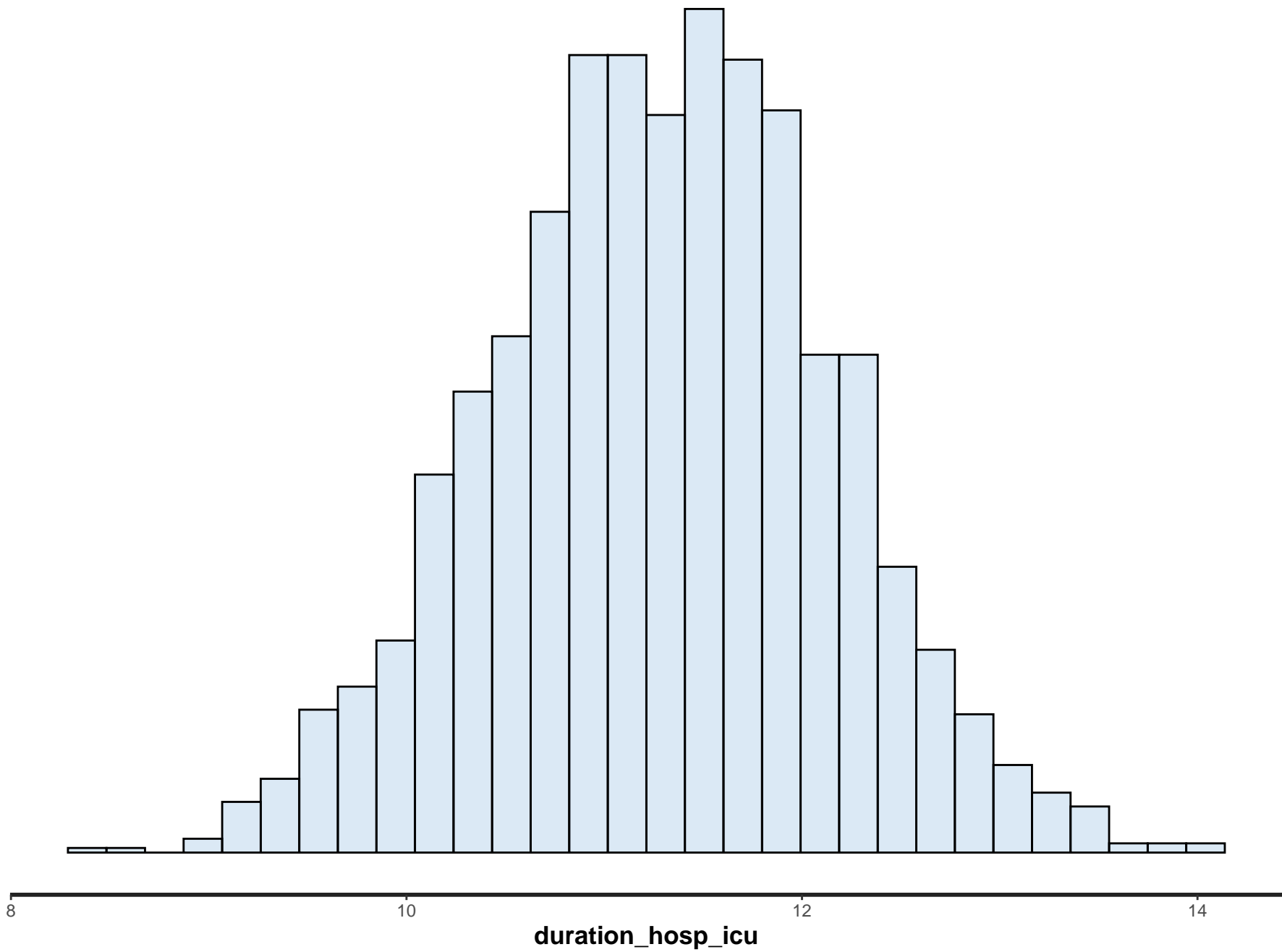
$r_0$

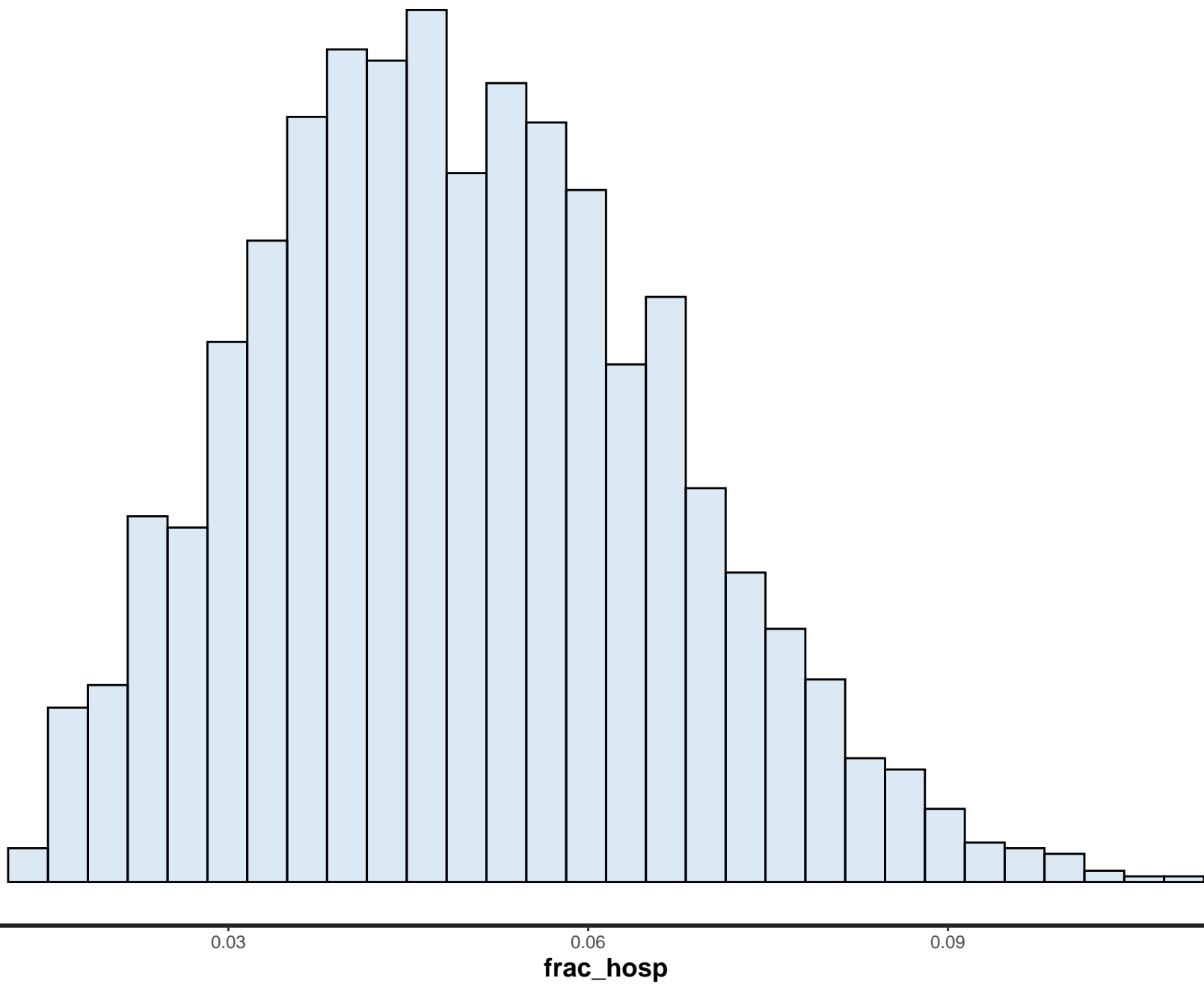


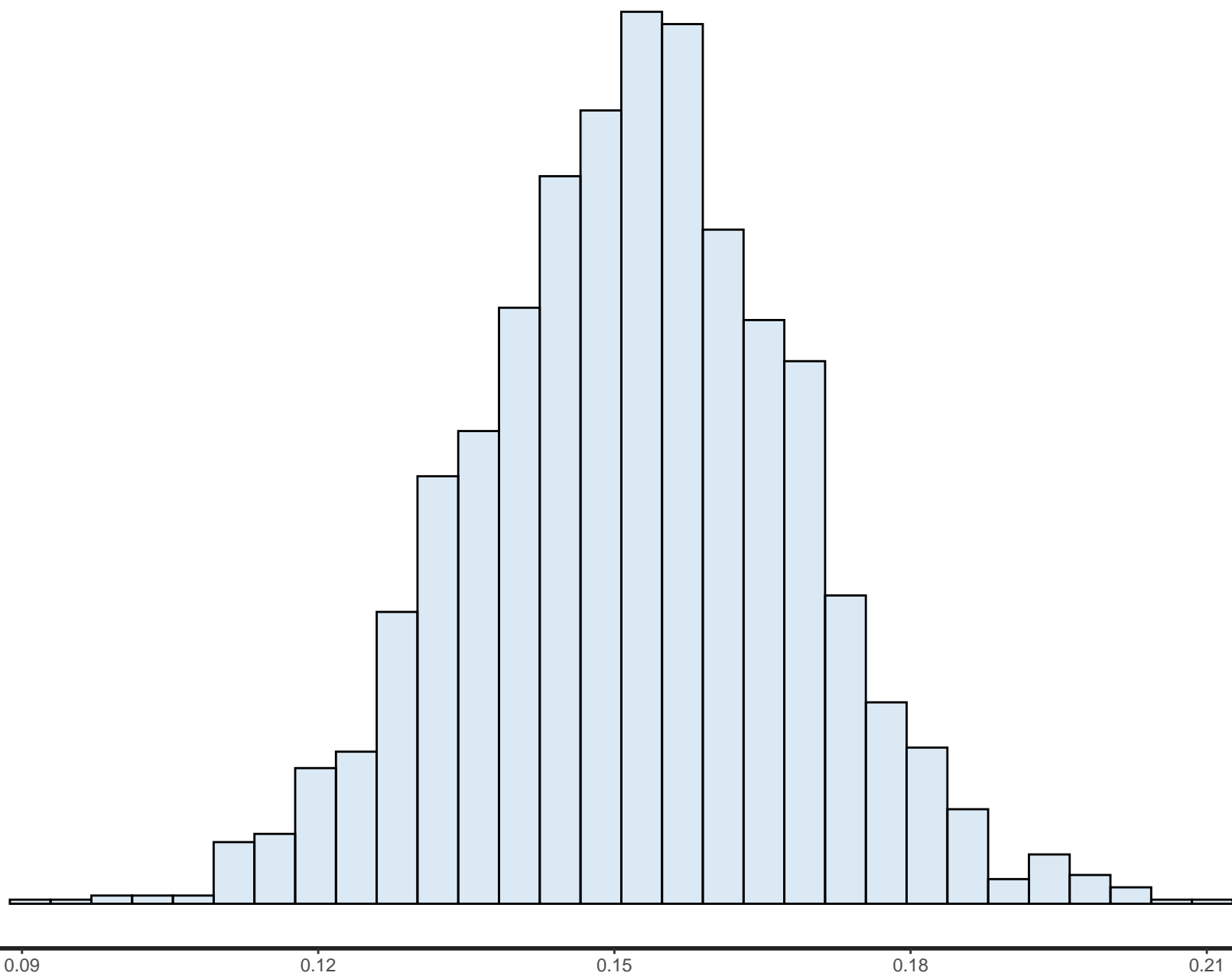




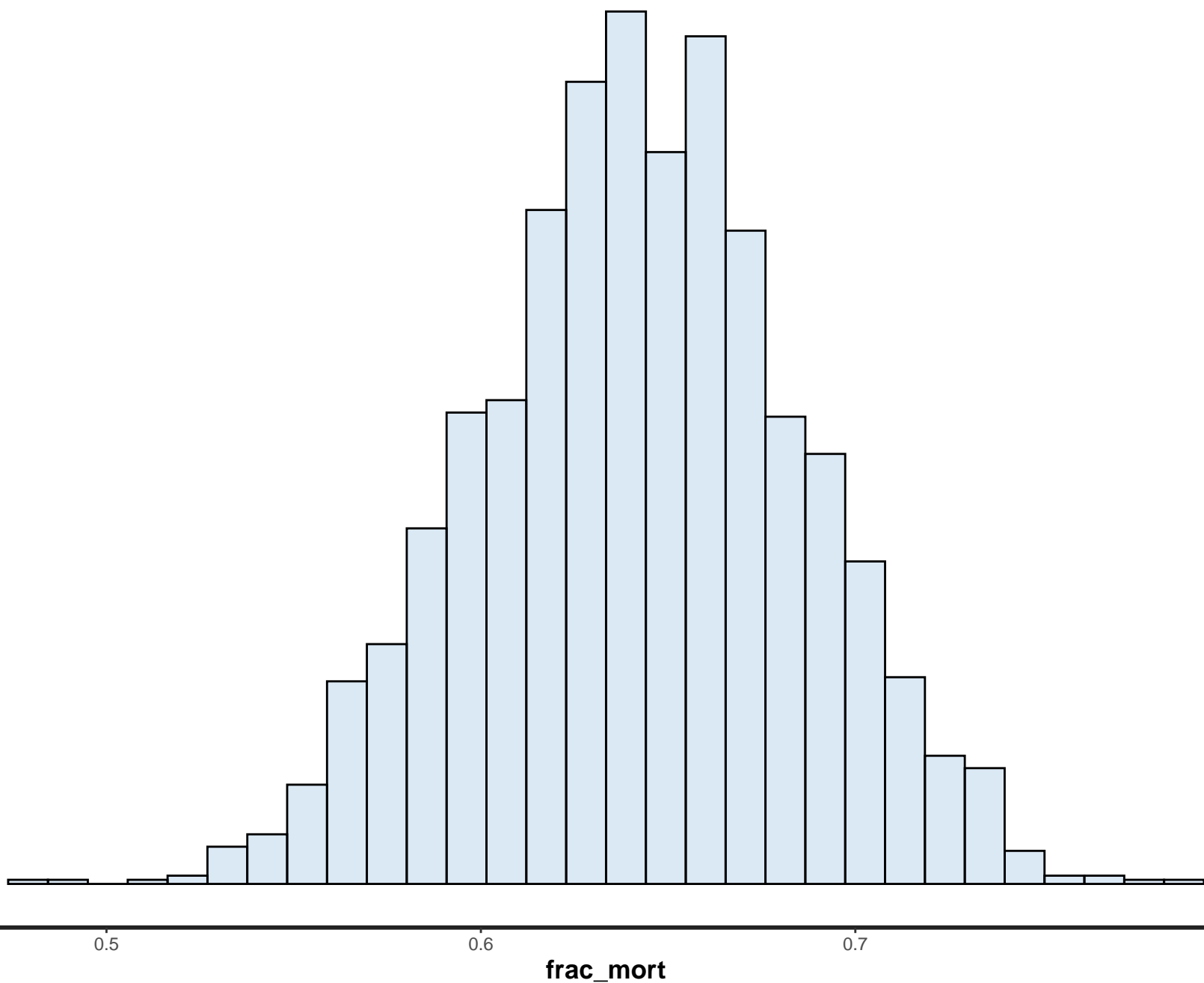












A histogram showing the frequency of the number of children per family. The x-axis is labeled 'Number of children' and ranges from 0 to 1.5 with major ticks at 0.5, 1.0, and 1.5. The y-axis represents frequency, with a scale from 0 to 10. The distribution is unimodal and slightly right-skewed, peaking at 1 child with a frequency of approximately 10.5.

Number of children	Frequency
0.0	0.5
0.1	1.0
0.2	1.5
0.3	2.5
0.4	4.0
0.5	5.5
0.6	7.0
0.7	8.5
0.8	9.5
0.9	10.0
1.0	10.5
1.1	9.5
1.2	8.0
1.3	6.5
1.4	5.0
1.5	3.5
1.6	2.0
1.7	1.0
1.8	0.5

A histogram showing the distribution of the number of trials to failure for the first component. The x-axis is labeled 'Number of trials to failure' and ranges from 0.5 to 1.5. The y-axis represents frequency, with a maximum value of 10. The distribution is unimodal and slightly right-skewed, peaking at 11 trials with a frequency of 10.

A histogram showing the frequency of correct answers for a 10-item test. The x-axis is labeled 'Number of correct answers' and ranges from 0 to 15. The y-axis represents frequency, ranging from 0 to 10. The distribution is roughly bell-shaped, centered around 10 correct answers.

Number of correct answers	Frequency
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	10
11	9
12	8
13	7
14	6
15	5
16	4
17	3
18	2
19	1

A histogram showing the frequency of the number of children per family. The x-axis is labeled 'Number of children' and ranges from 0.9 to 1.8. The y-axis is labeled 'Frequency' and ranges from 0 to 10. The distribution is roughly bell-shaped, peaking at 1.2 children with a frequency of 10.

A histogram showing the frequency of the number of children per family. The x-axis is labeled 'Number of children' and has tick marks at 1.0 and 1.5. The y-axis represents frequency, with a scale from 0 to 10. The distribution is roughly bell-shaped, centered around 1.2 children per family. The bars are light blue with black outlines.

Number of Correct Answers (Bin Center)	Frequency
0.50	1
0.55	1
0.60	2
0.65	3
0.70	4
0.75	7
0.80	10
0.85	11
0.90	10
0.95	9
1.00	7
1.05	5
1.10	4
1.15	3
1.20	2
1.25	1
1.30	1
1.35	1
1.40	0
1.45	0
1.50	0

Iterations (Bin Center)	Frequency
0.60	1
0.62	2
0.64	3
0.66	4
0.68	6
0.70	8
0.72	9
0.74	10
0.76	9
0.78	8
0.80	6
0.82	4
0.84	3
0.86	2
0.88	2
0.90	1
0.92	1
0.94	1
0.96	1
0.98	1
1.00	1
1.02	1
1.04	1
1.06	1
1.08	1
1.10	1
1.12	1
1.14	1
1.16	1
1.18	1
1.20	1

A histogram showing the frequency distribution of the number of correct answers for a 10-item test. The x-axis is labeled with values 0.50, 0.75, 1.00, 1.25, and 1.50. The y-axis represents frequency, with a scale from 0 to 10. The distribution is unimodal and slightly right-skewed, with a peak frequency of 10 at 0.875 correct answers.

Number of Correct Answers	Frequency
0.50	1
0.5625	2
0.625	3
0.6875	5
0.75	7
0.8125	9
0.875	10
0.9375	9
1.00	8
1.0625	6
1.125	4
1.1875	3
1.25	2
1.3125	1
1.375	1
1.4375	1
1.50	0

A histogram representing the distribution of the number of non-zero elements in the matrix  $A$ . The horizontal axis (x-axis) is labeled from 0.0 to 2.0 with major ticks at 1.0, 1.5, and 2.0. The vertical axis (y-axis) represents frequency, with a maximum value of 6 indicated by a tick mark. The histogram consists of approximately 25 bars, each with a width of about 0.1 units. The distribution is roughly bell-shaped, starting near zero at 0.0, peaking at a frequency of 6 around 1.2, and tapering off towards 2.0.

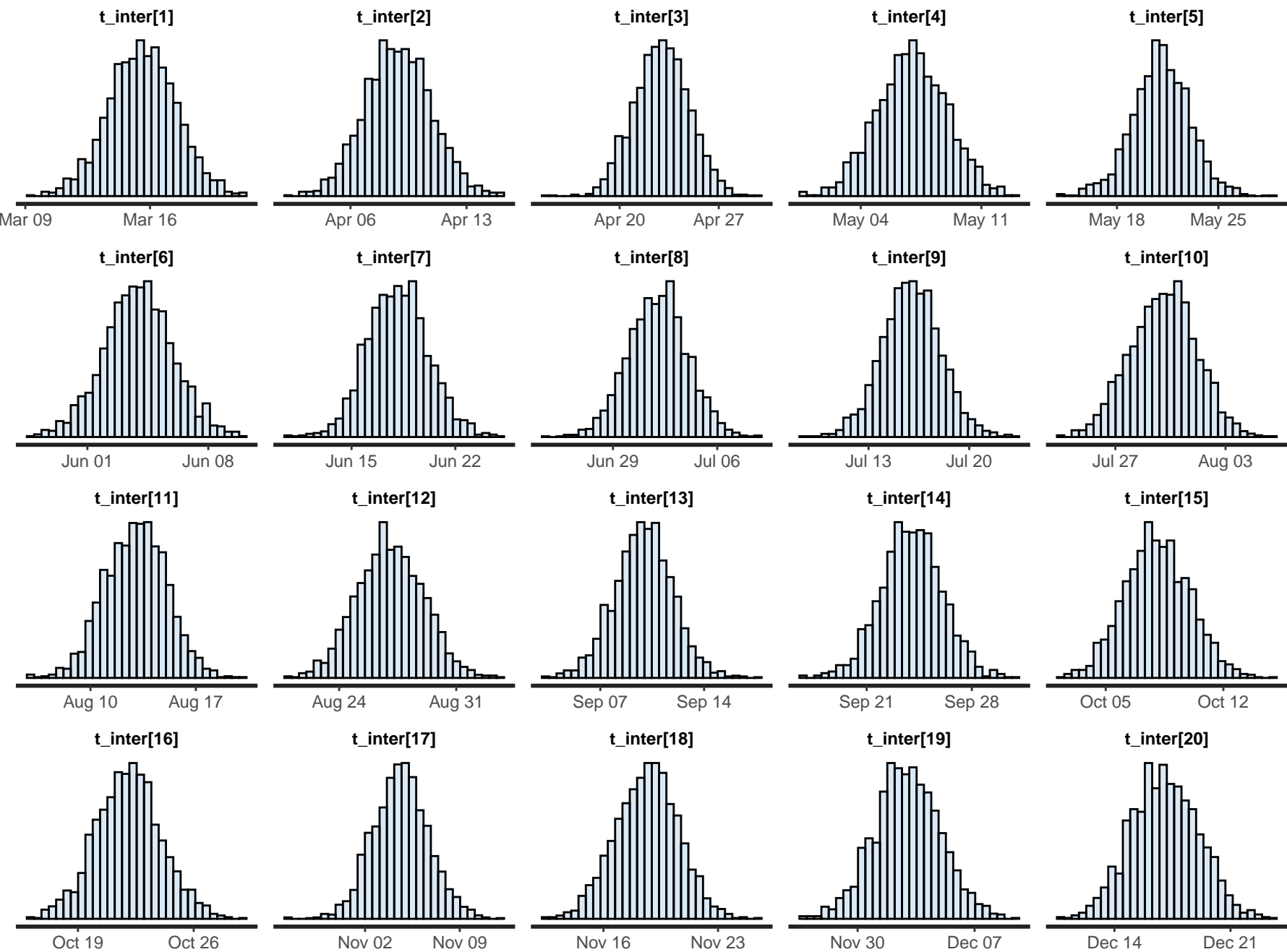
A histogram showing the frequency of correct answers for a 10-item test. The x-axis represents the number of correct answers, ranging from 5.0 to 1.75. The y-axis represents the frequency, ranging from 0 to 10. The distribution is unimodal and slightly right-skewed, with a peak frequency of 10 at 10 correct answers.

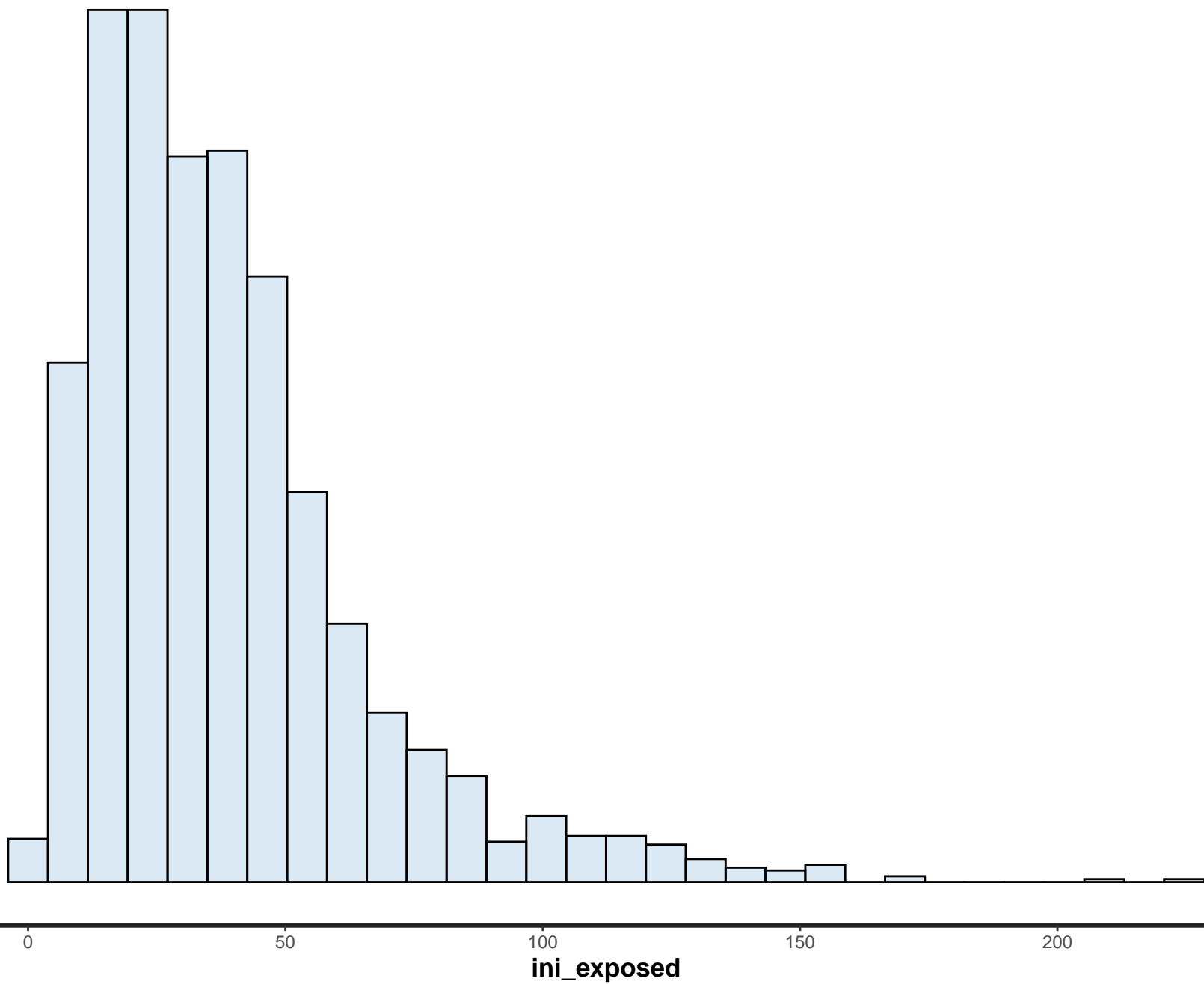
A histogram showing the frequency of correct answers for a 10-item test. The x-axis represents the number of correct answers, ranging from 0.75 to 1.50. The y-axis represents the frequency, ranging from 0 to 10. The distribution is roughly bell-shaped, centered around 11-12 correct answers.

Number of Correct Answers	Frequency
7	1
8	2
9	3
10	4
11	6
12	8
13	10
14	9
15	7
16	5
17	4
18	3
19	2
20	1

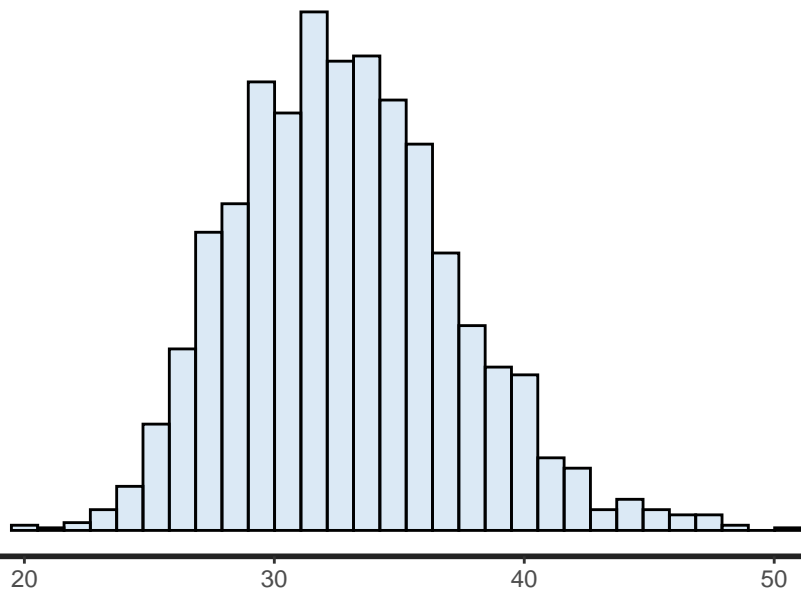
A histogram showing the frequency of correct answers for a 10-item test. The x-axis is labeled 'Number of correct answers' and ranges from 6 to 14. The y-axis represents frequency, ranging from 0 to 10. The distribution is unimodal and slightly right-skewed, with a peak at 10 correct answers (frequency 10).

Number of correct answers	Frequency
6	1
7	2
8	3
9	5
10	10
11	7
12	4
13	2
14	1

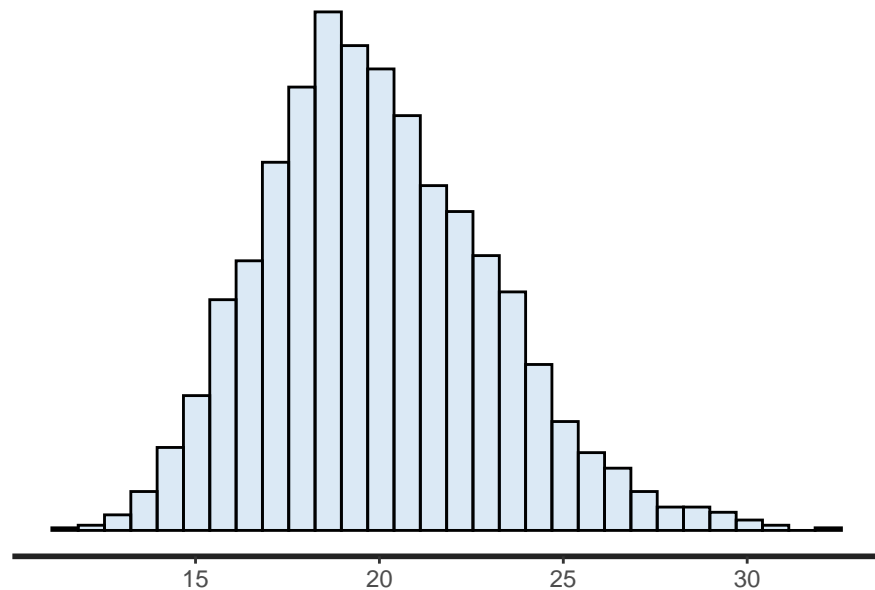




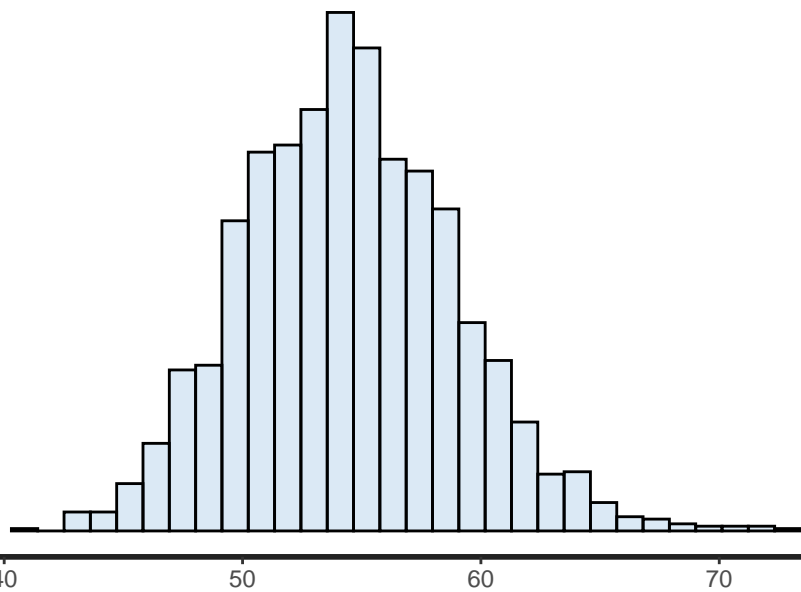
**sigma\_obs[1]**



**sigma\_obs[2]**



**sigma\_obs[3]**



**sigma\_obs[4]**

