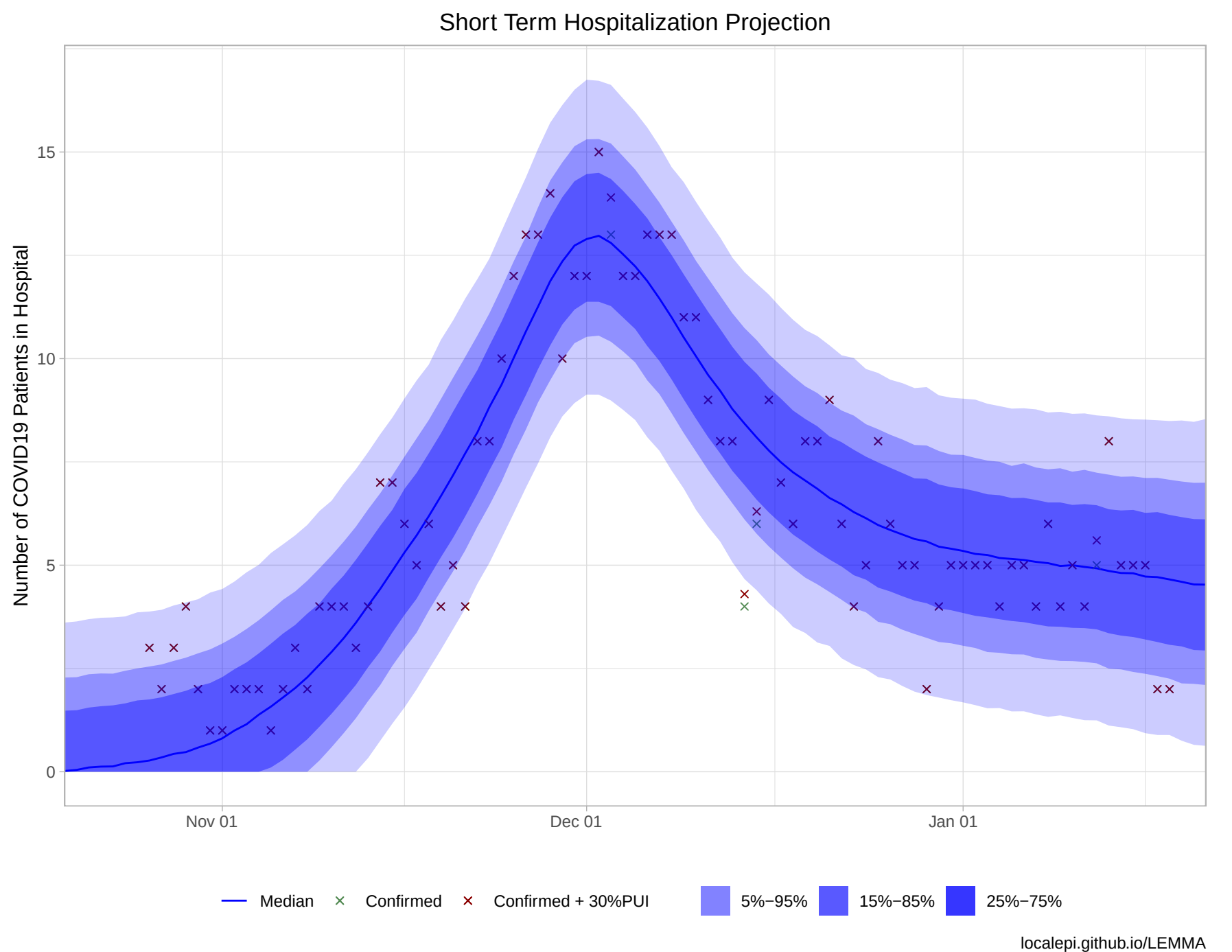
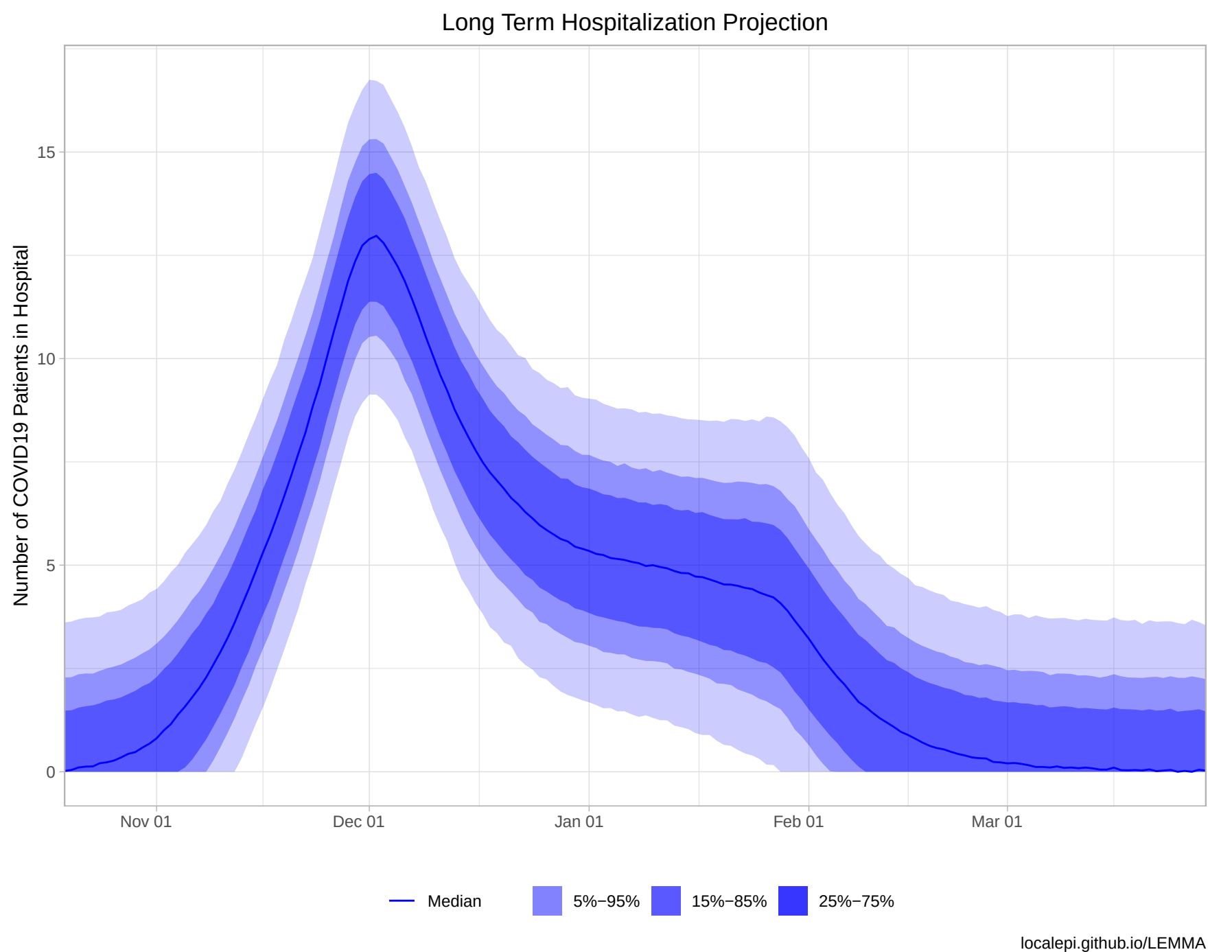
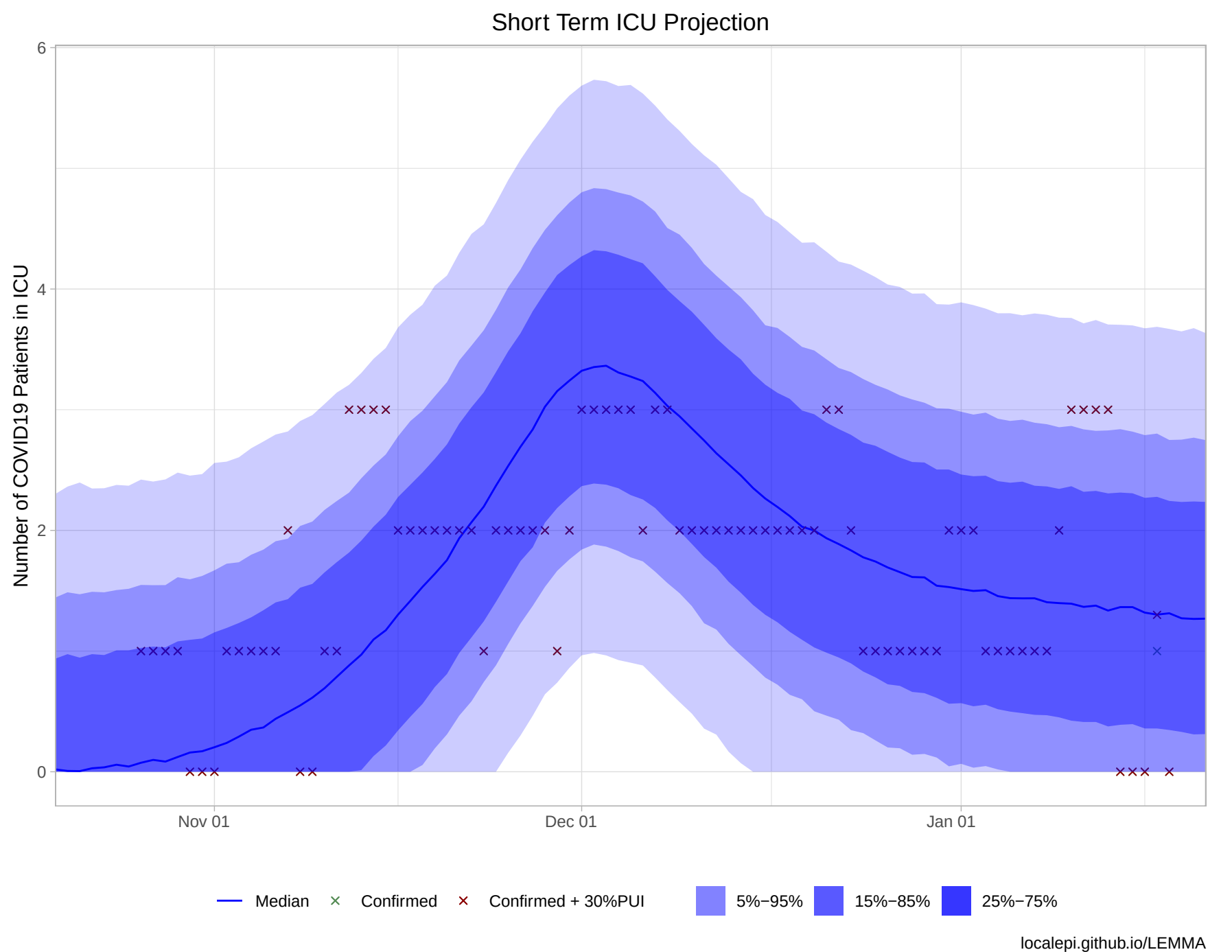
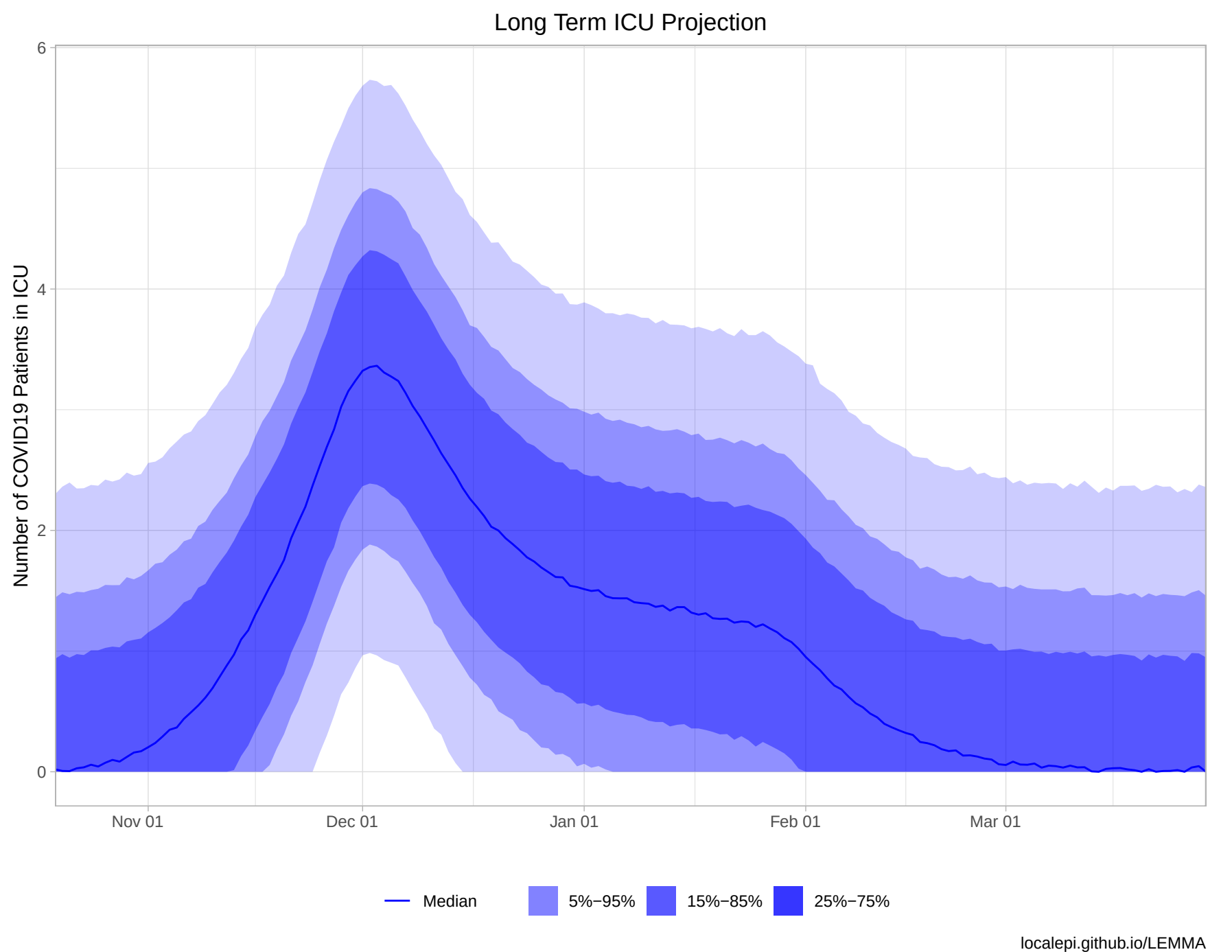
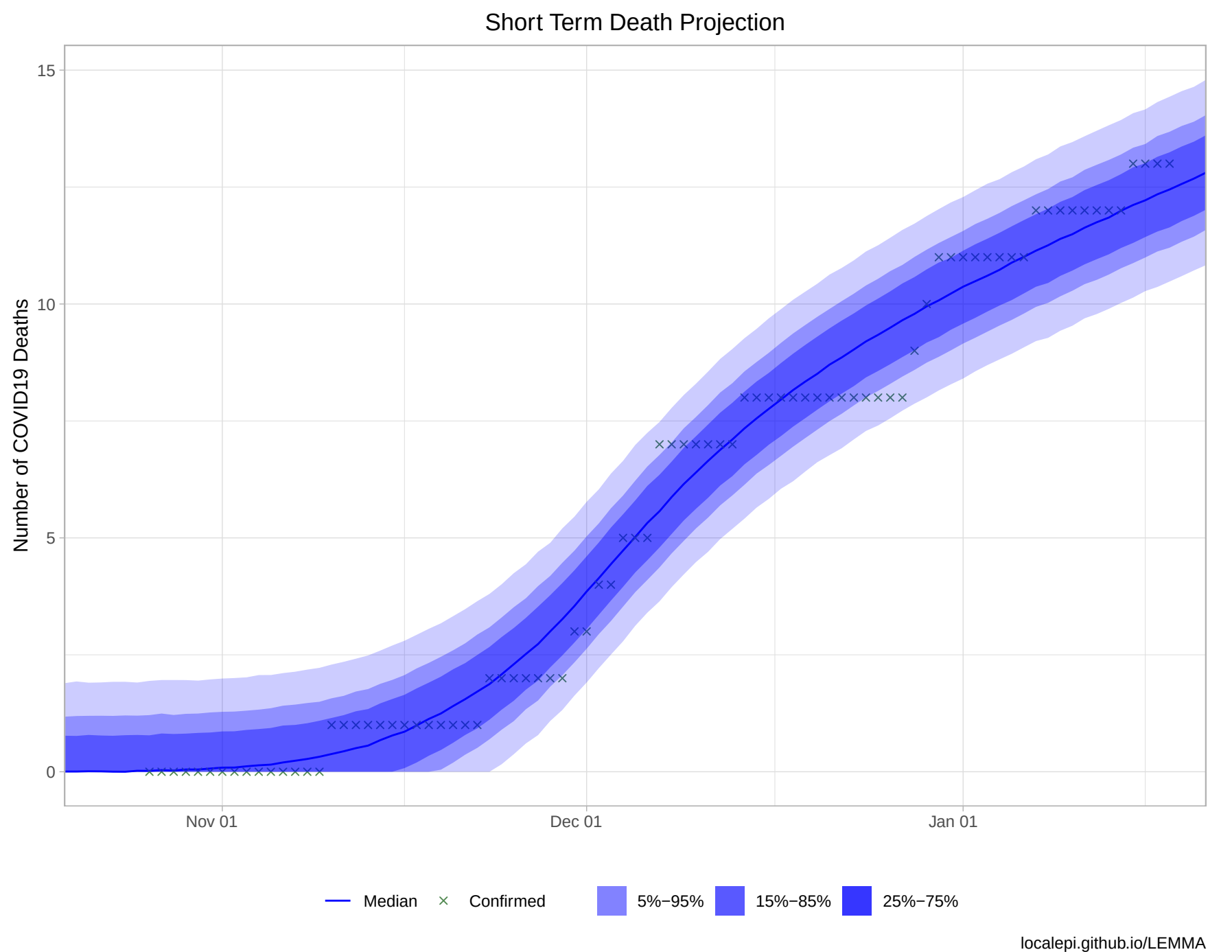
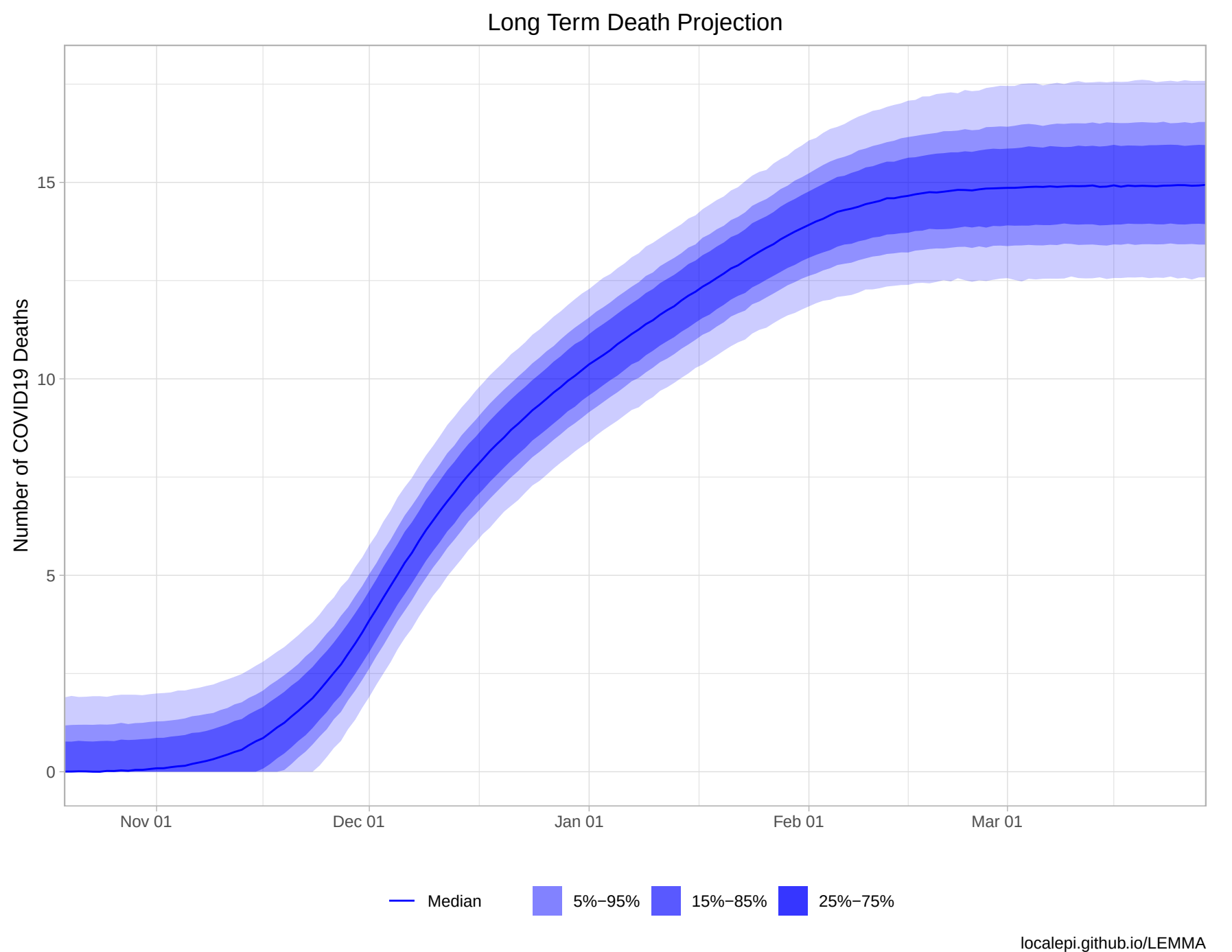

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Nov 01
Dec 01
Jan 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

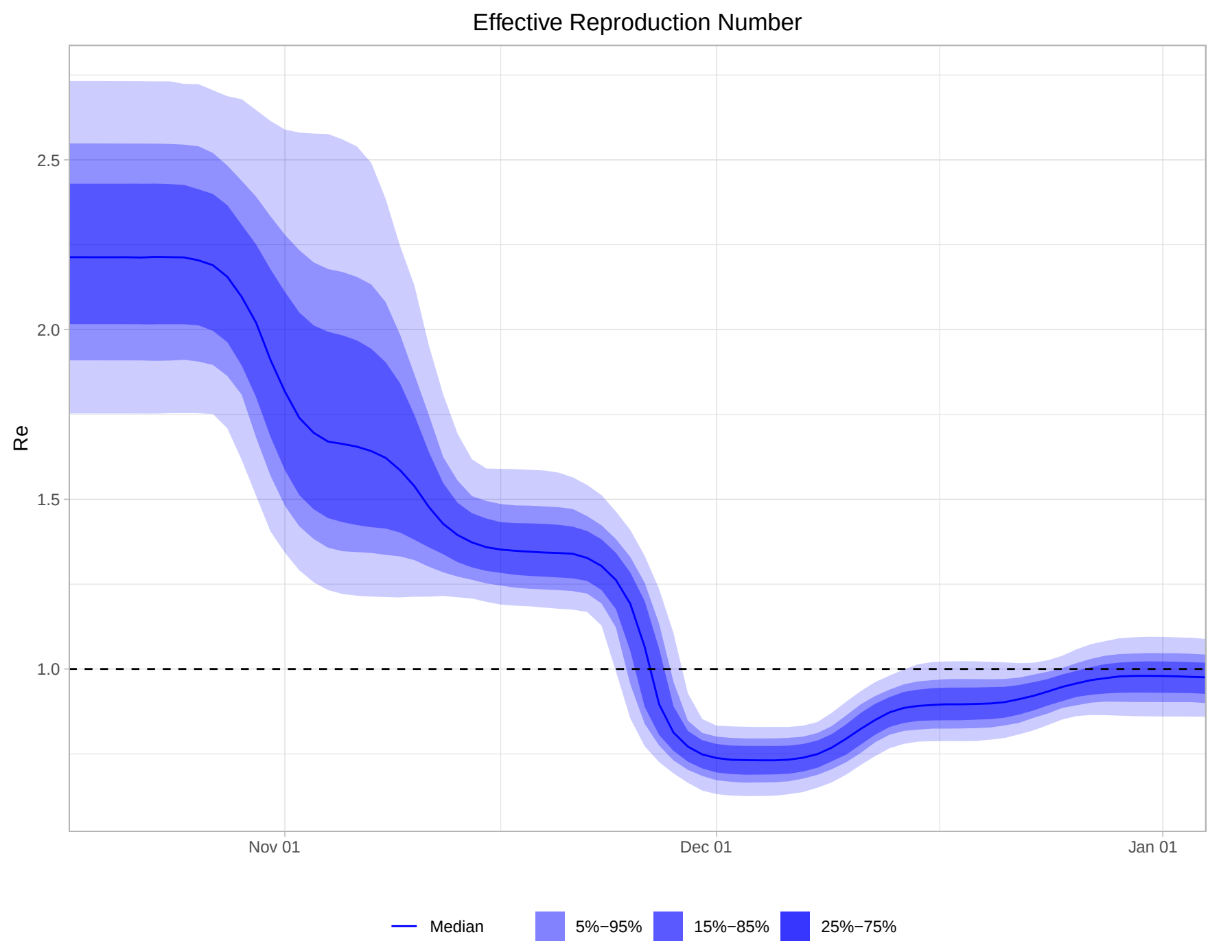

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
6
4
2
0
Nov 01
Dec 01
Jan 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Long Term ICU Projection
Number of COVID19 Patients in ICU
6
4
2
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

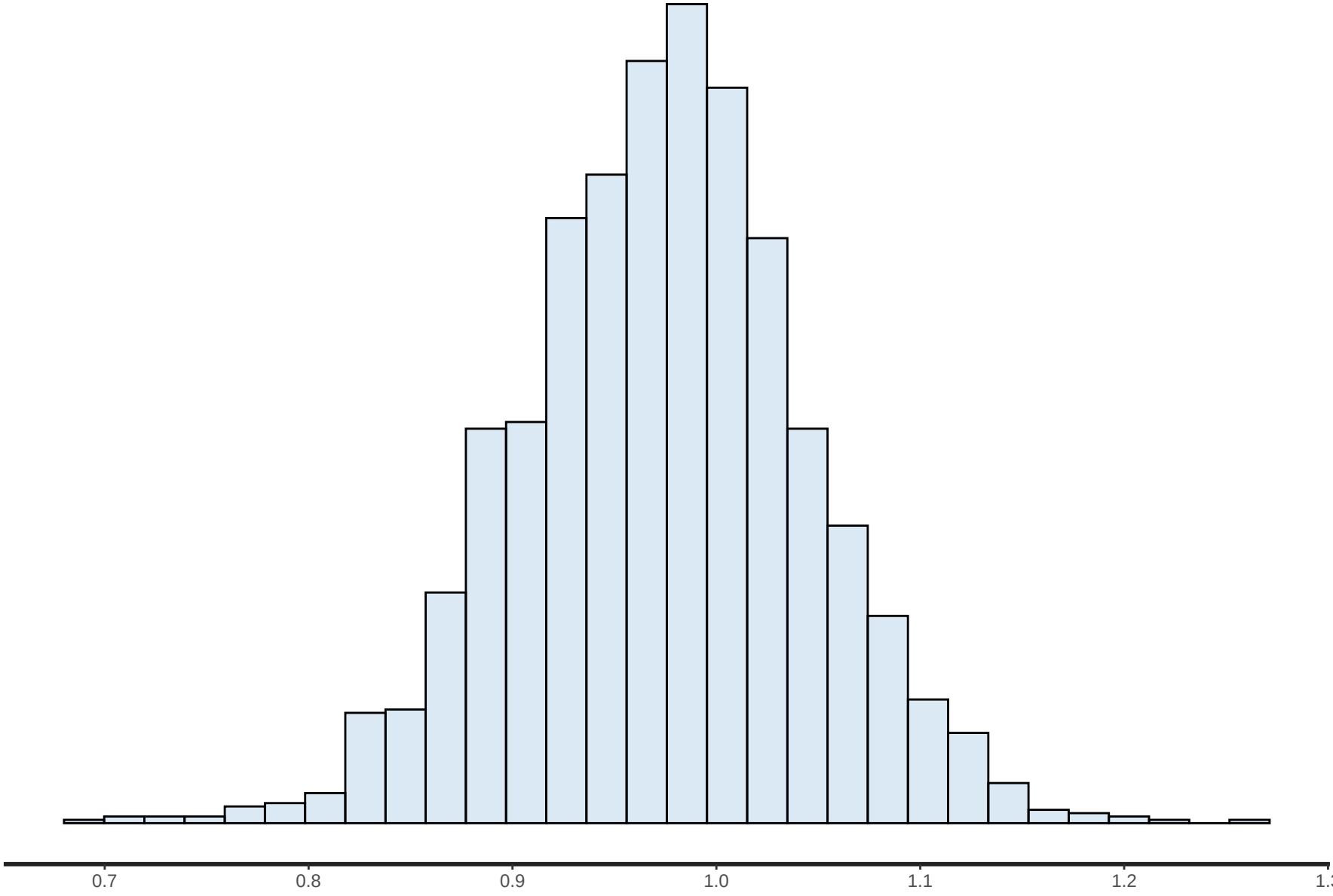

Short Term Death Projection
Number of COVID19 Deaths
15
10
5
0
Nov 01
Dec 01
Jan 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

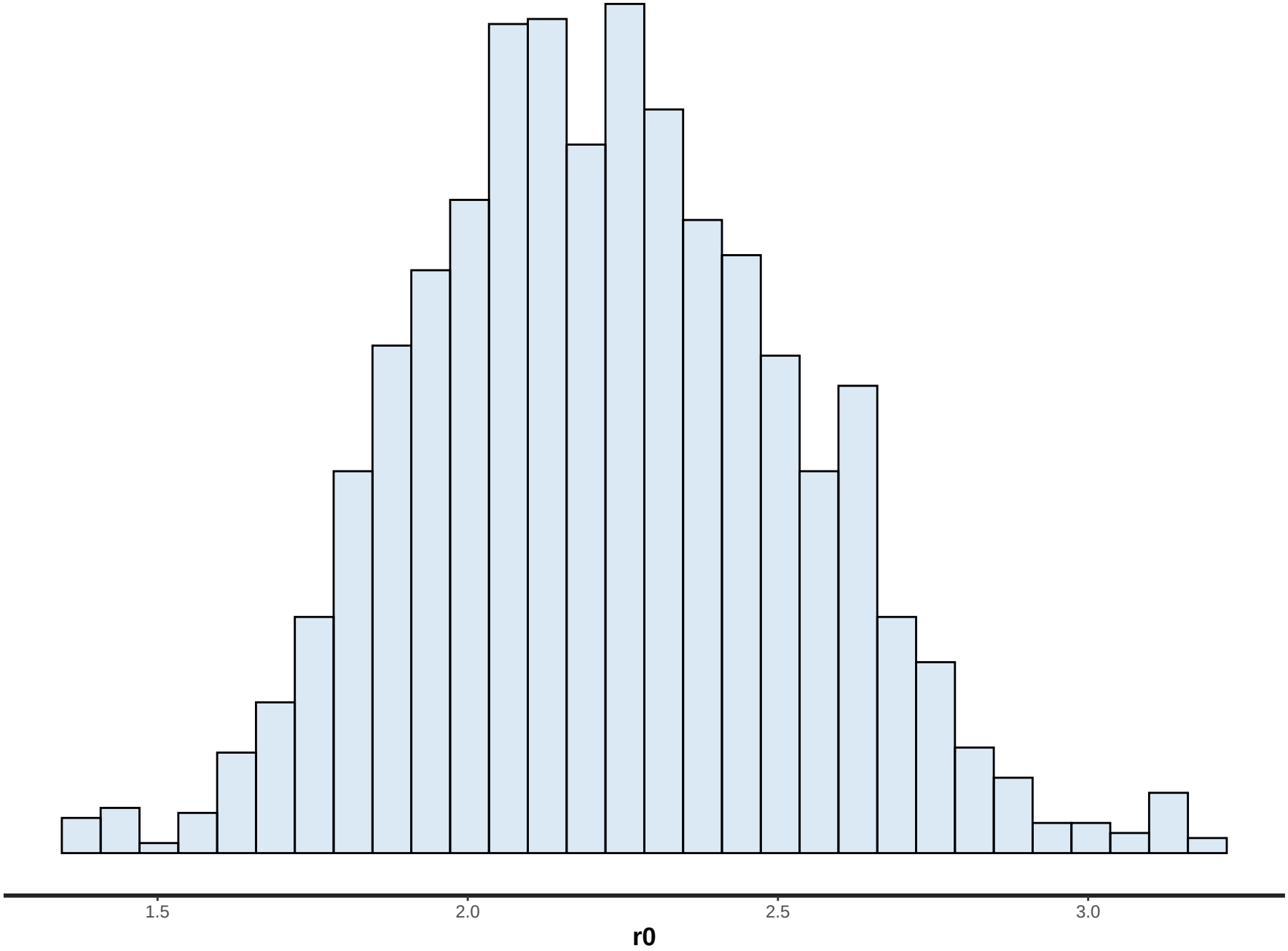

Long Term Death Projection
Number of COVID19 Deaths
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

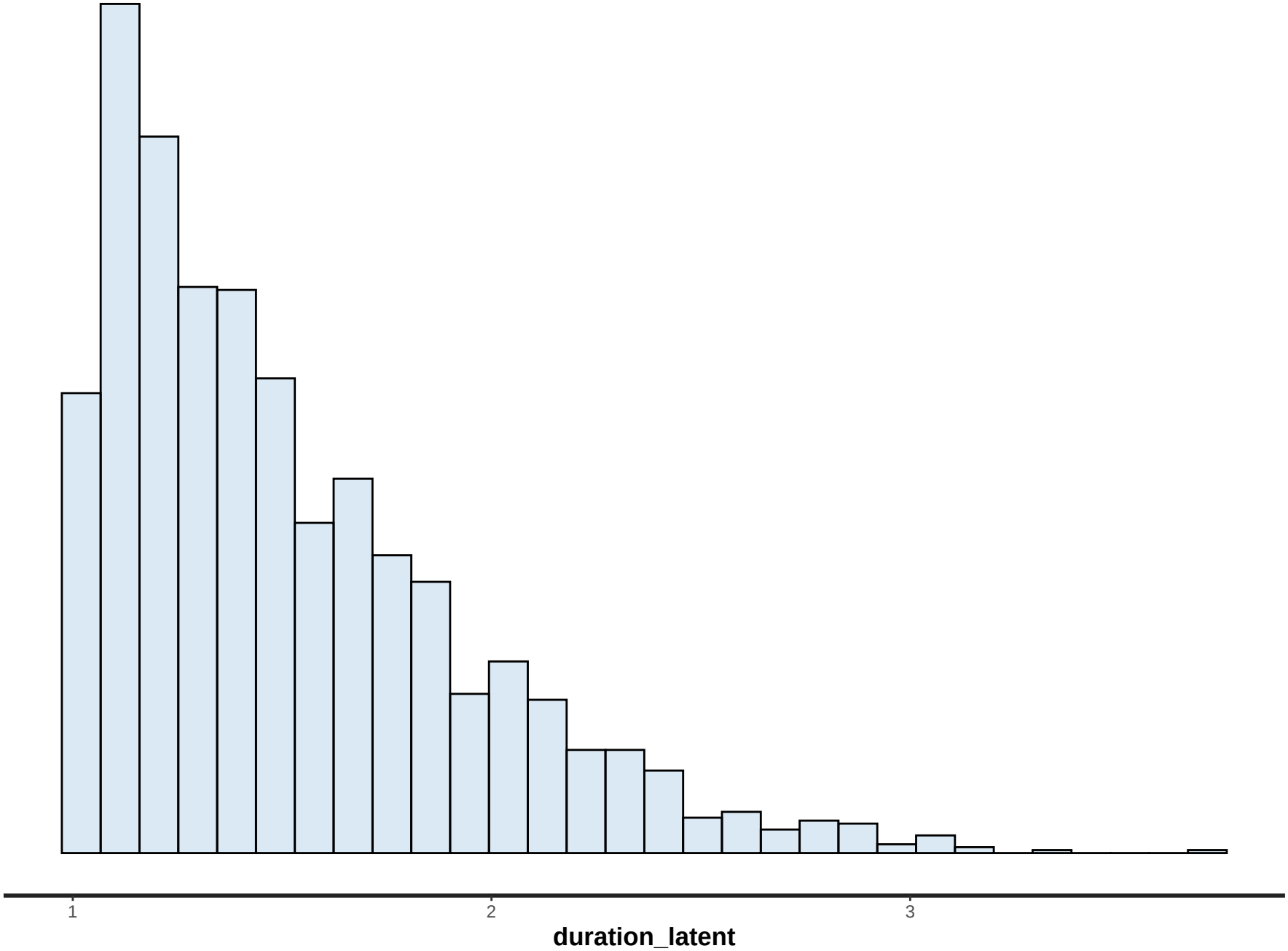

Effective Reproduction Number
Re
2.5
2.0
1.5
1.0
Nov 01
Dec 01
Jan 01
Median
5%−95%
15%−85%
25%−75%

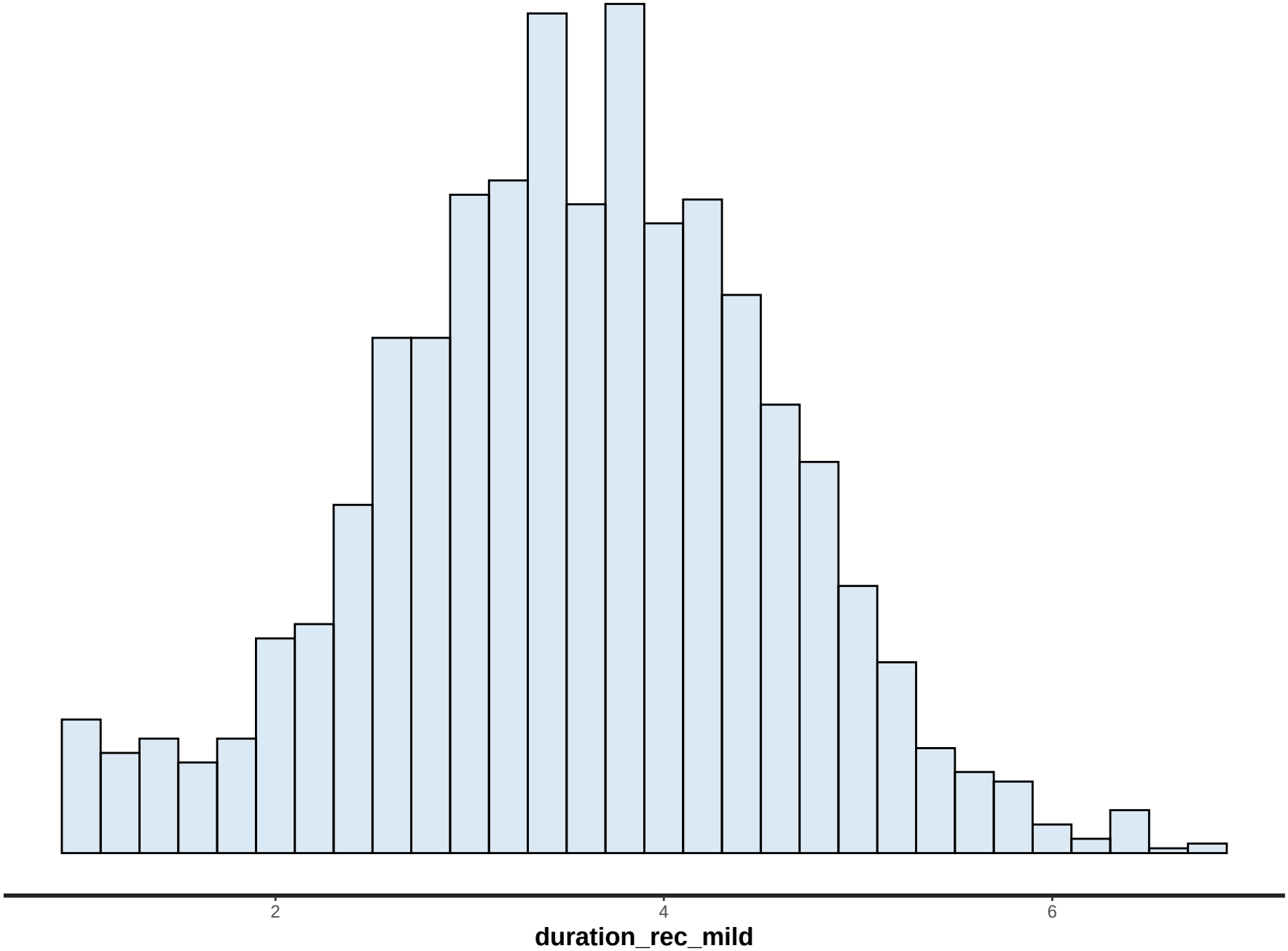
Rt as of 2021−01−04

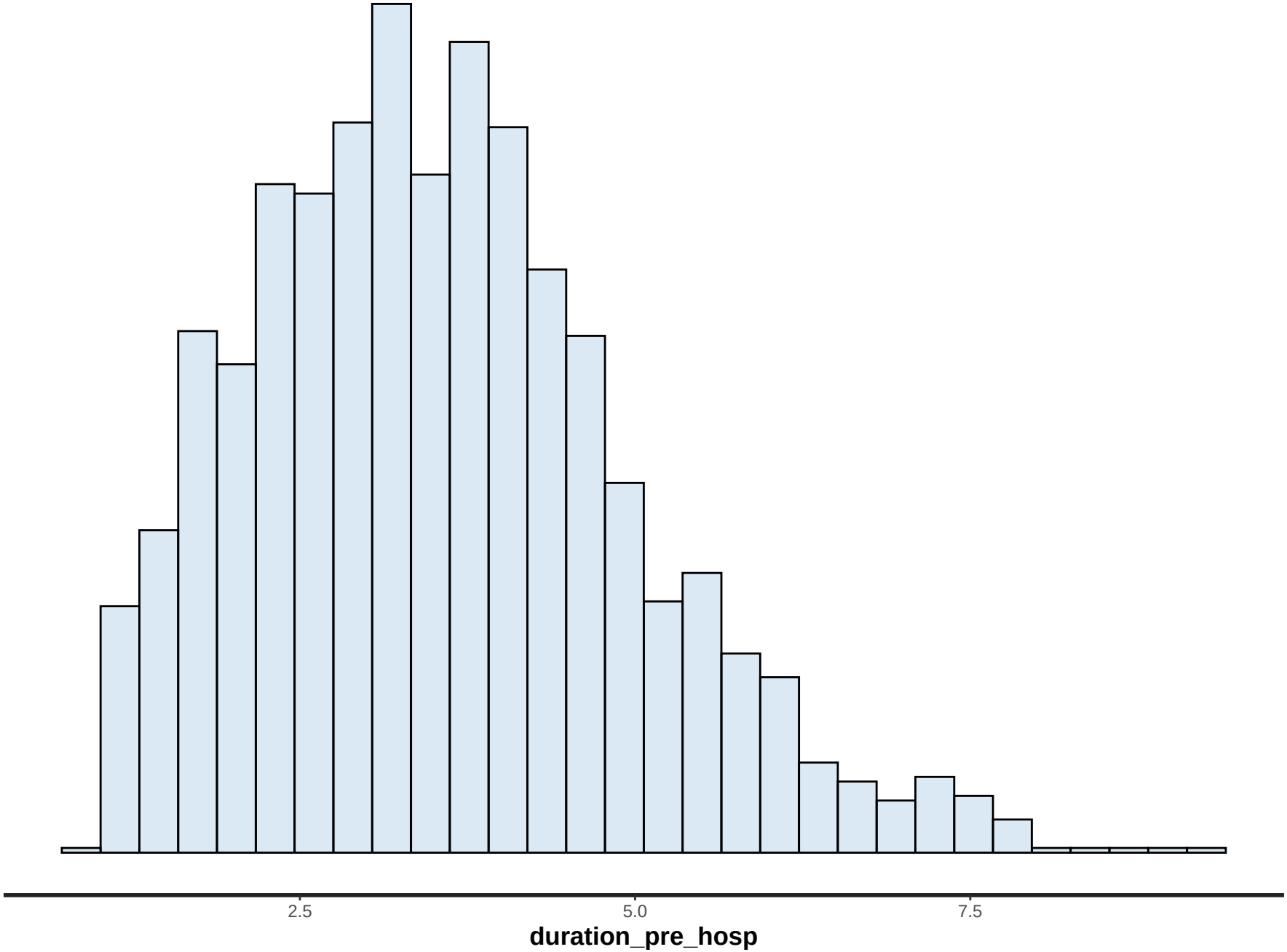
5%	10%	25%	50%	75%	90%	95%
0.86	0.89	0.93	0.98	1.02	1.06	1.09

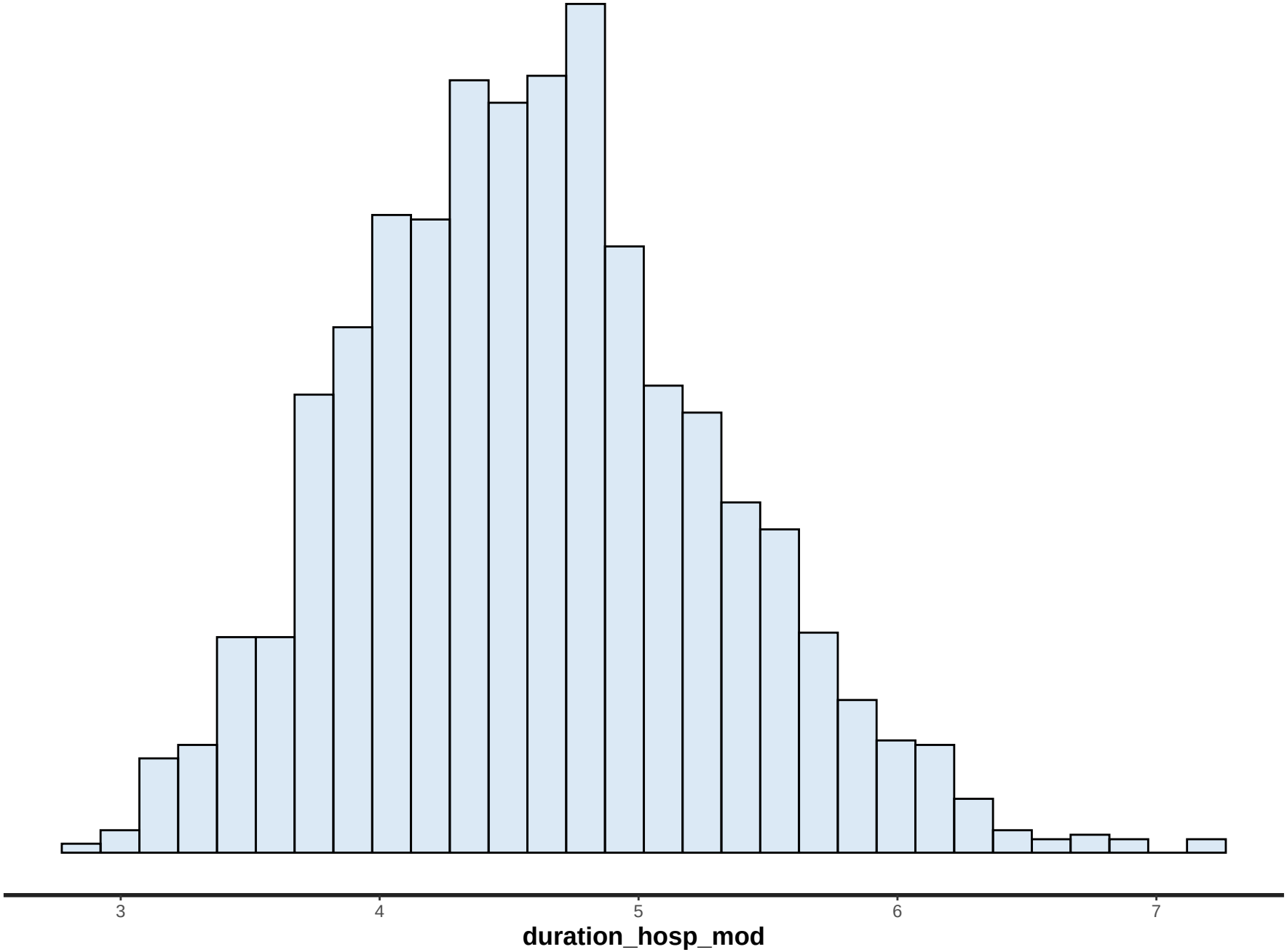


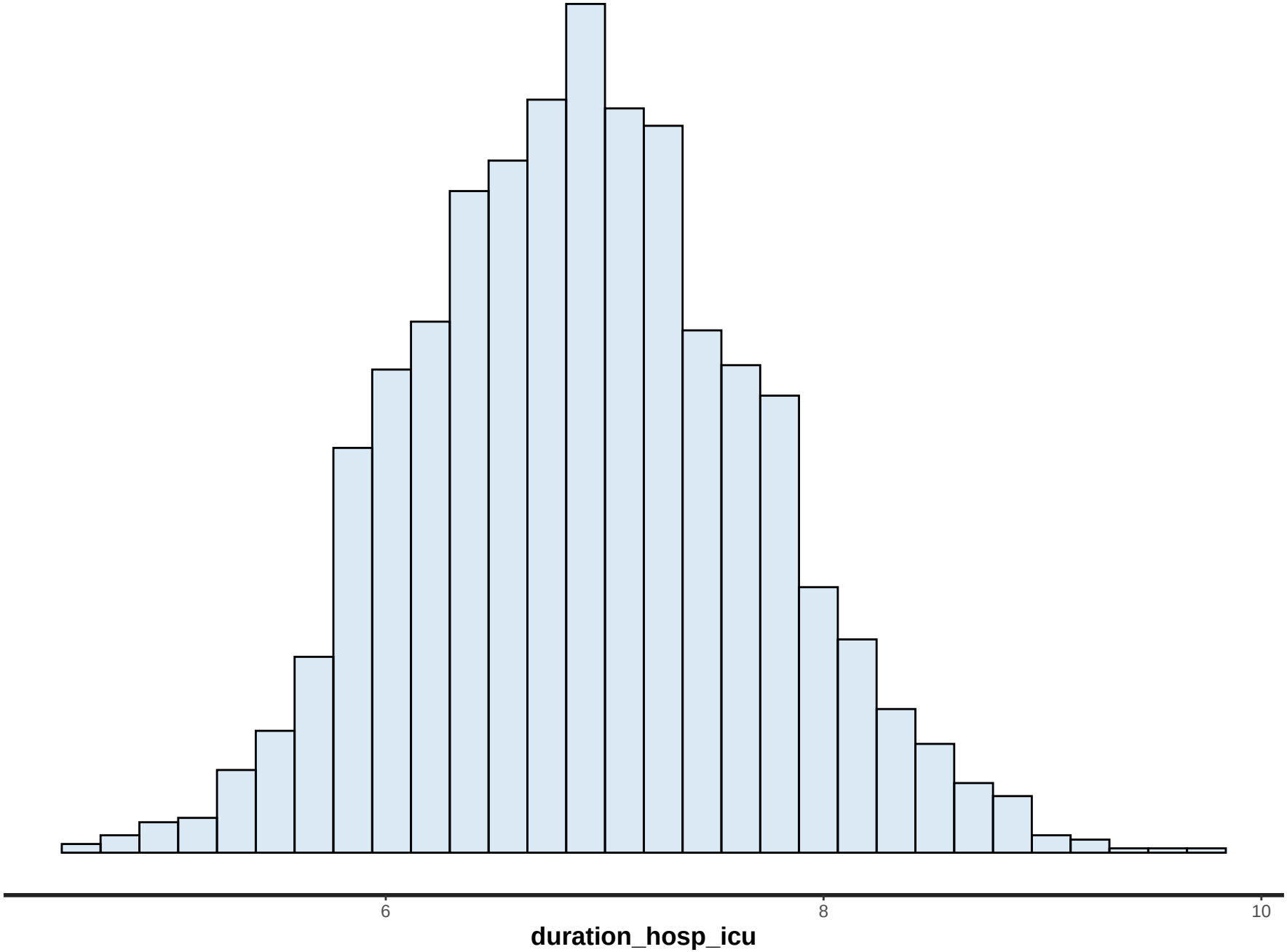

1.5
2.0
2.5
3.0
r0

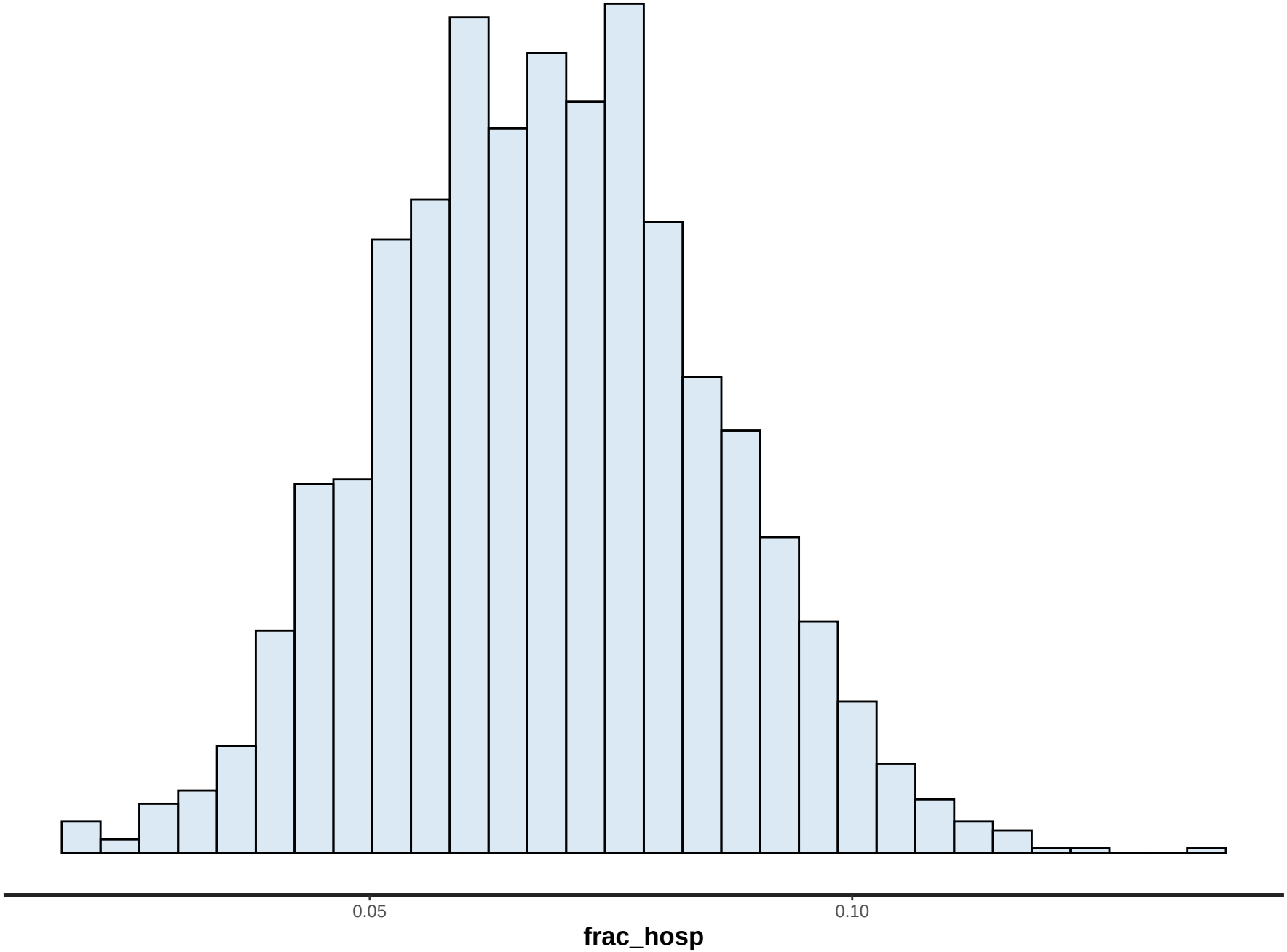

1
2
3
duration_latent


2
4
6
duration_rec_mild


2.5
5.0
7.5
duration_pre_hosp


3
4
5
6
7
duration_hosp_mod


6
8
10
duration_hosp_icu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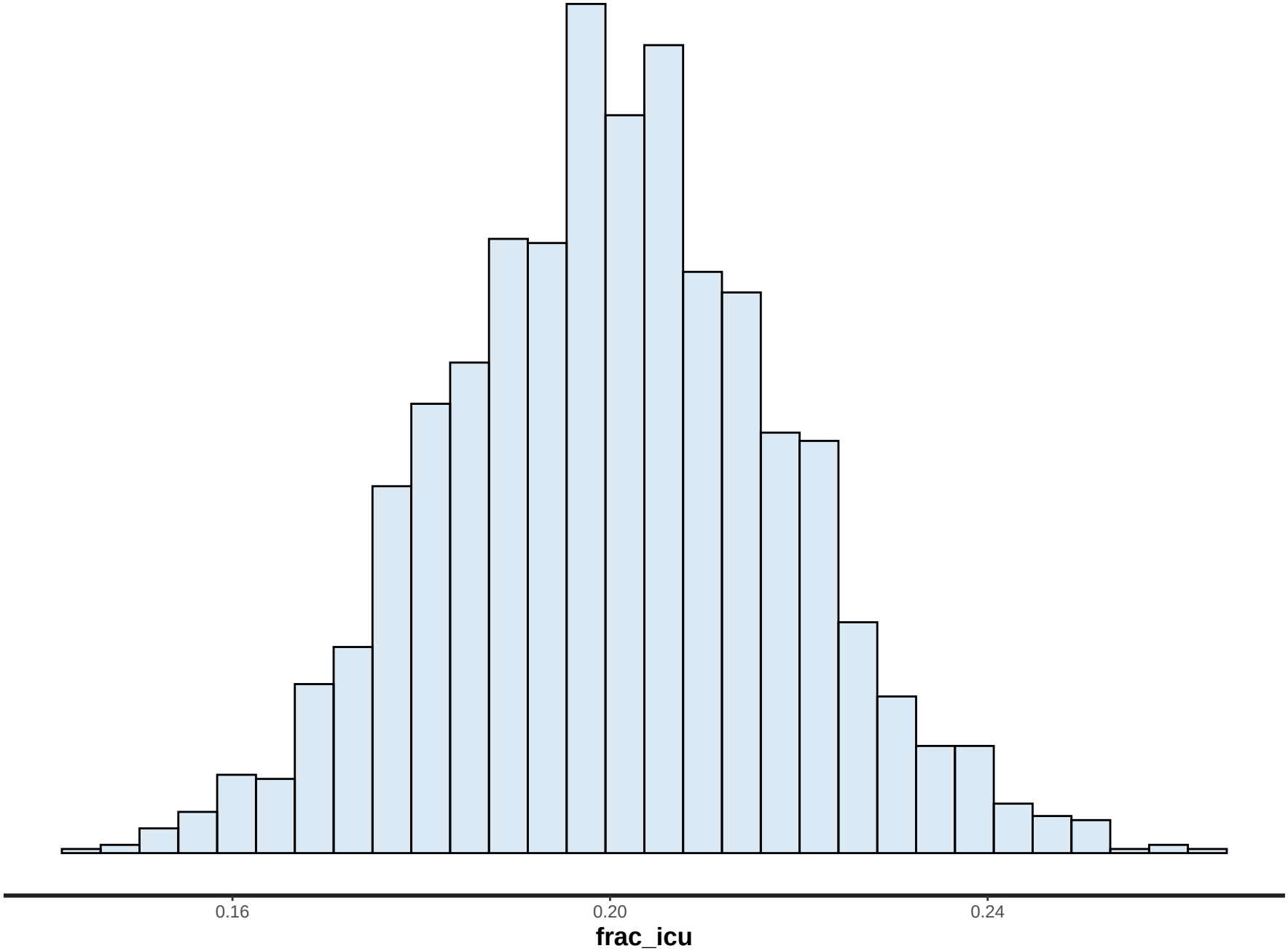
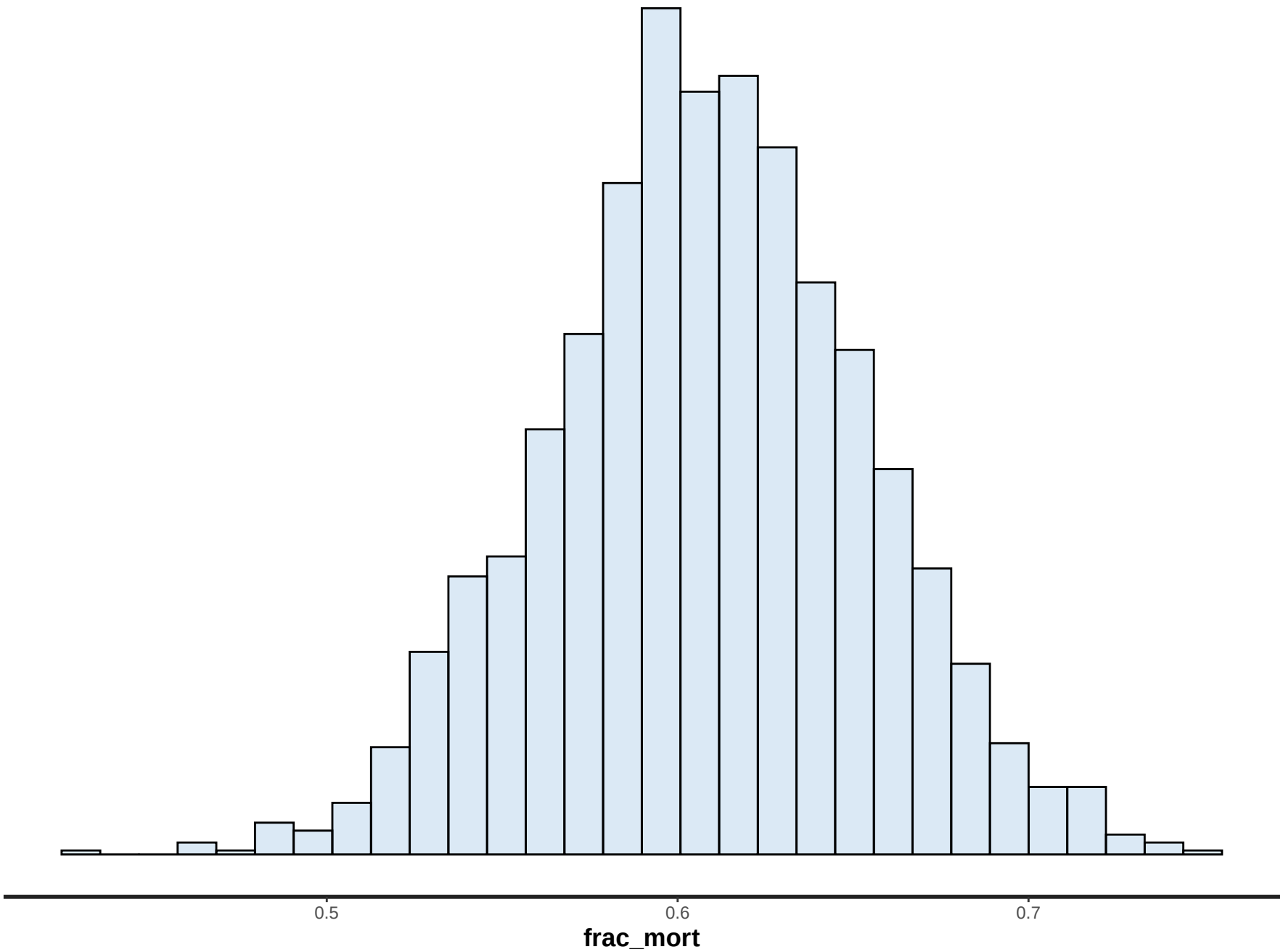
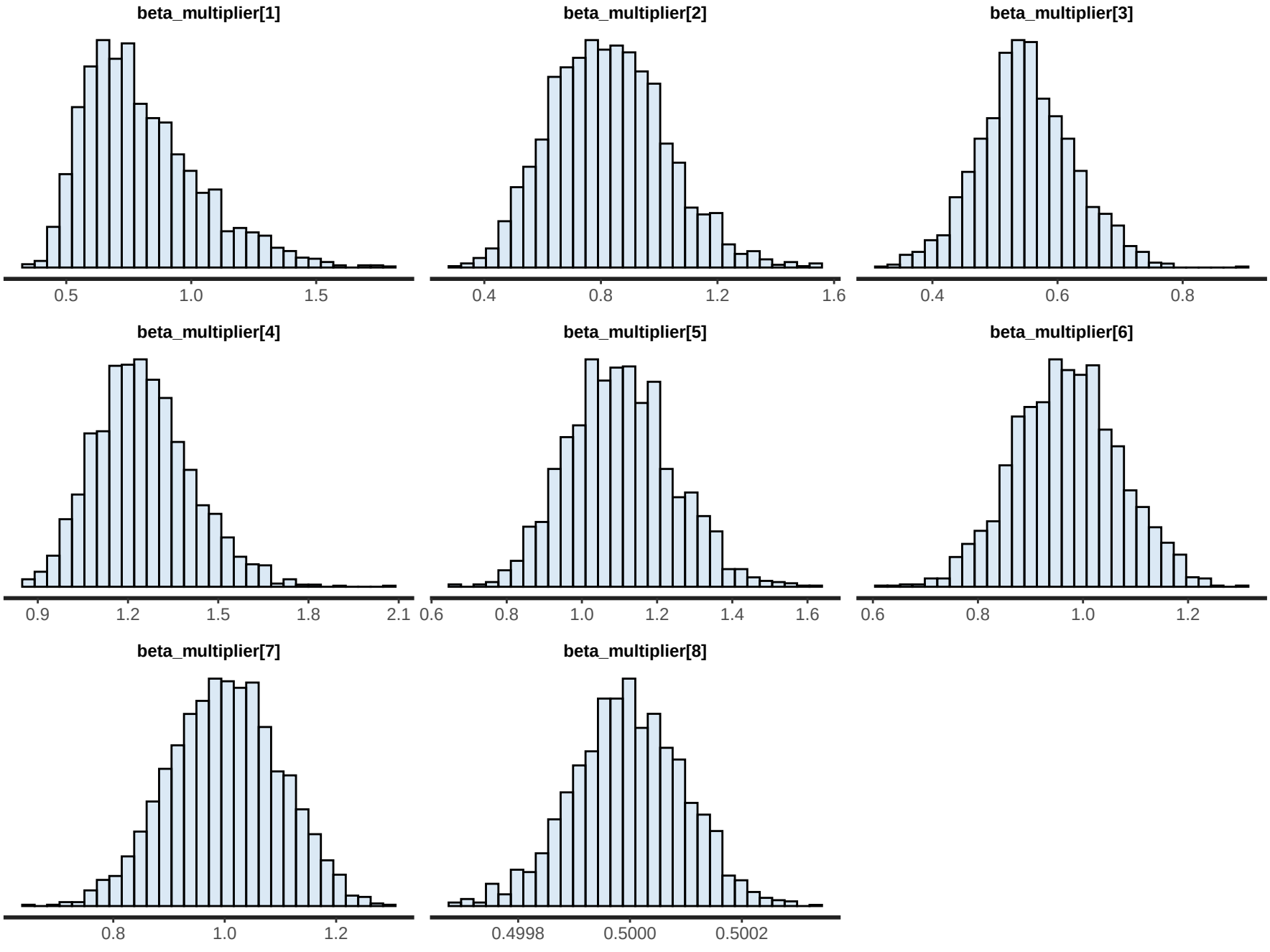
0.10
frac_hosp


0.16
0.20
0.24
frac_icu


0.5
0.6
0.7
frac_mort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0.5
1.0
1.5
beta_multiplier[2]
0.4
0.8
1.2
1.6
beta_multiplier[3]
0.4
0.6
0.8
beta_multiplier[4]
0.9
1.2
1.5
1.8
2.1
beta_multiplier[5]
0.6
0.8
1.0
1.2
1.4
1.6
beta_multiplier[6]
0.6
0.8
1.0
1.2
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0.8
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1.2
beta_multiplier[8]
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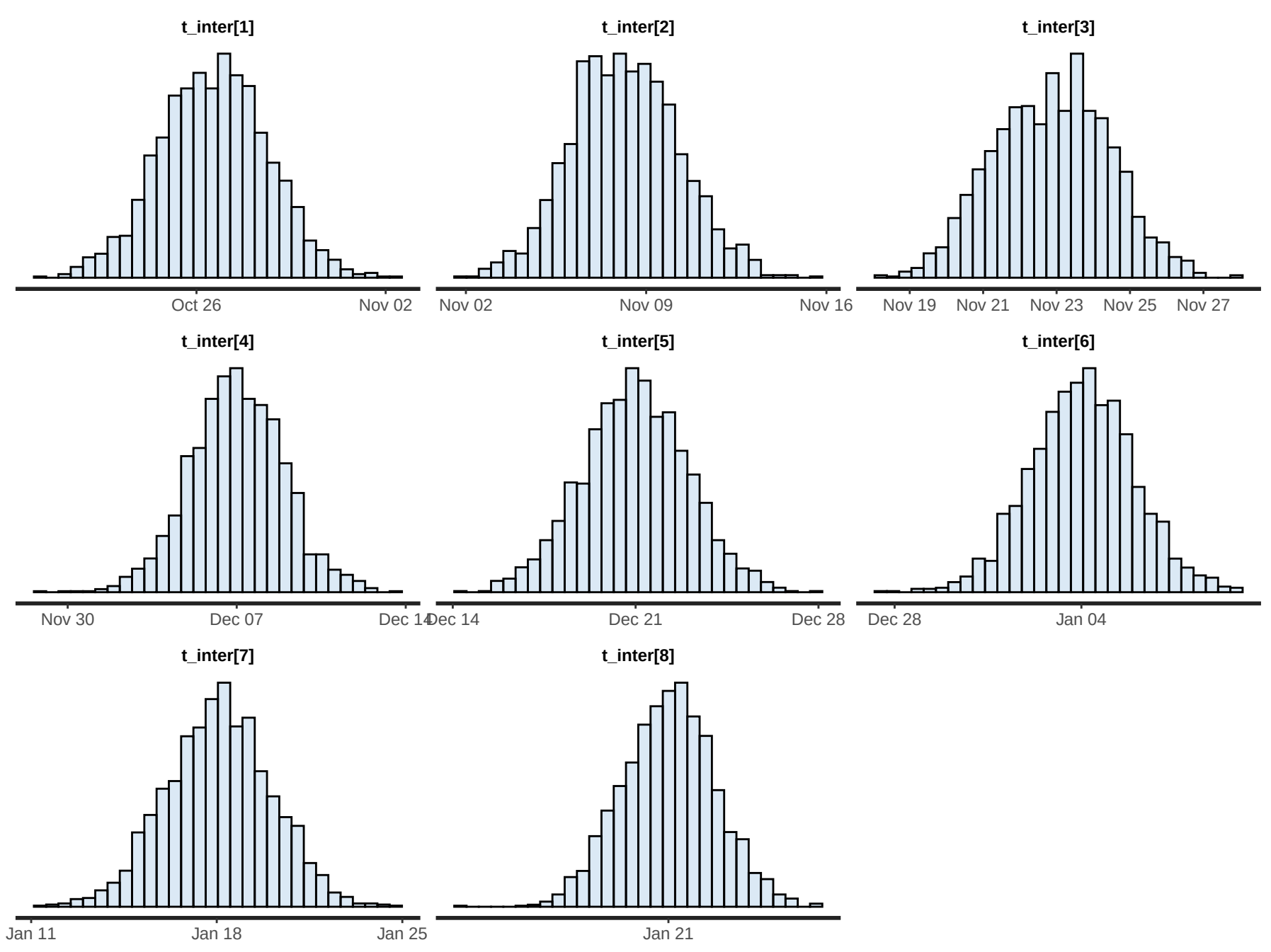
0.5000
0.5002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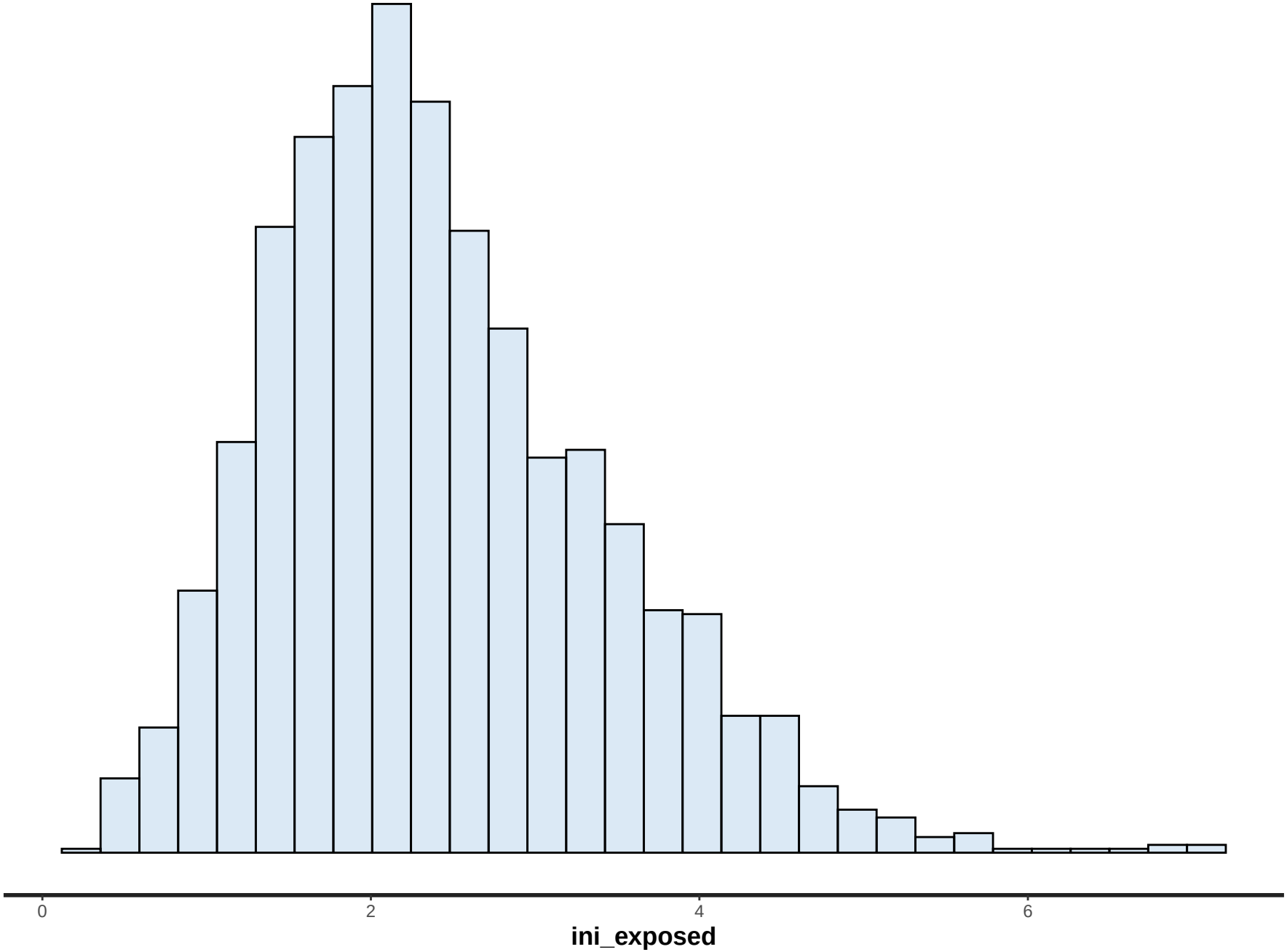
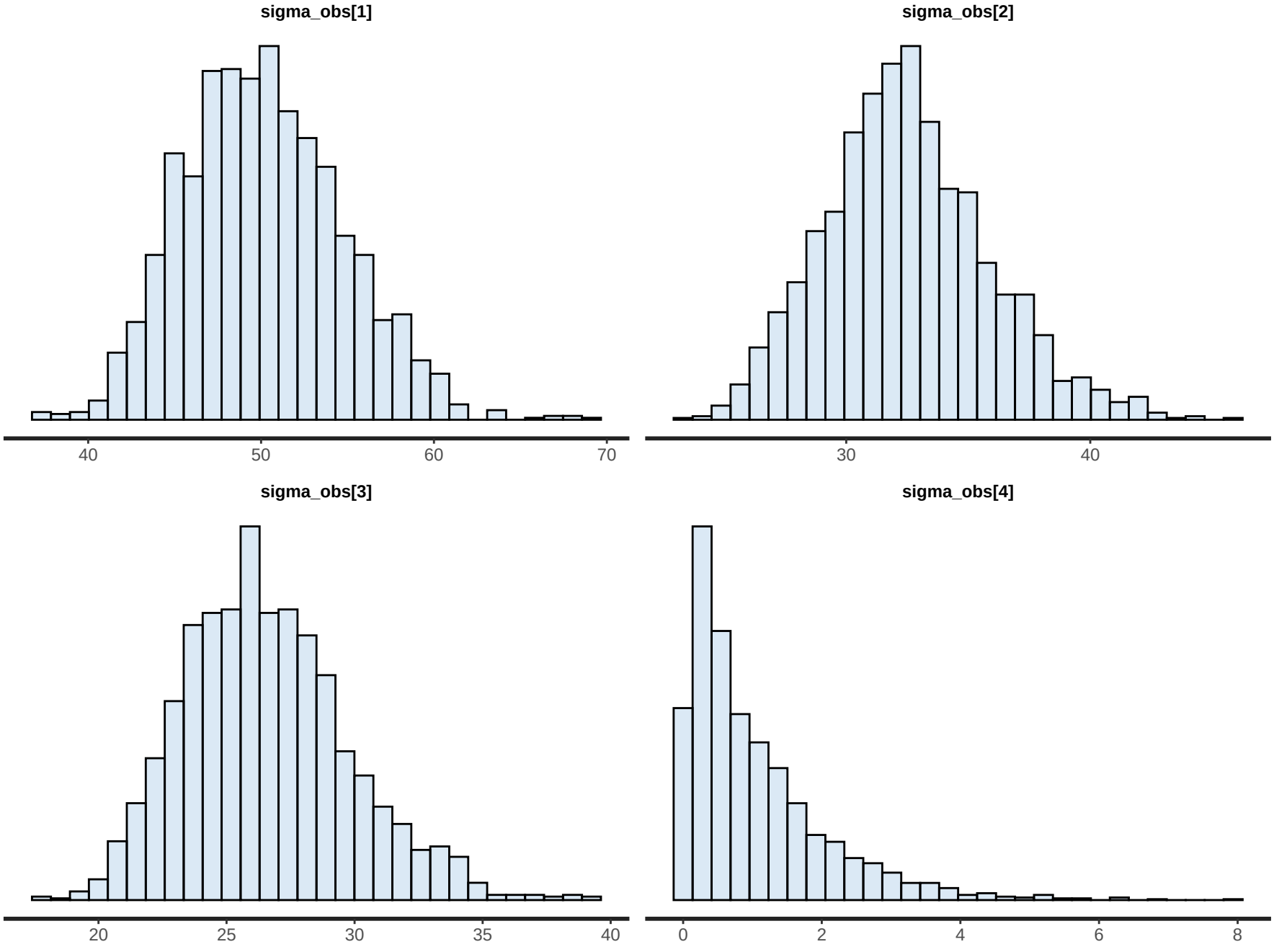
Oct 26
Nov 02
t_inter[2]
Nov 02
Nov 09
Nov 16
t_inter[3]
Nov 19
Nov 21
Nov 23
Nov 25
Nov 27
t_inter[4]
Nov 30
Dec 07
Dec 14
t_inter[5]
Dec 14
Dec 21
Dec 28
t_inter[6]
Dec 28
Jan 04
t_inter[7]
Jan 11
Jan 18
Jan 25
t_inter[8]
Jan 21


0
2
4
6
ini_exposed


sigma_obs[1]
40
50
60
70
sigma_obs[2]
30
40
sigma_obs[3]
20
25
30
35
40
sigma_obs[4]
0
2
4
6
8