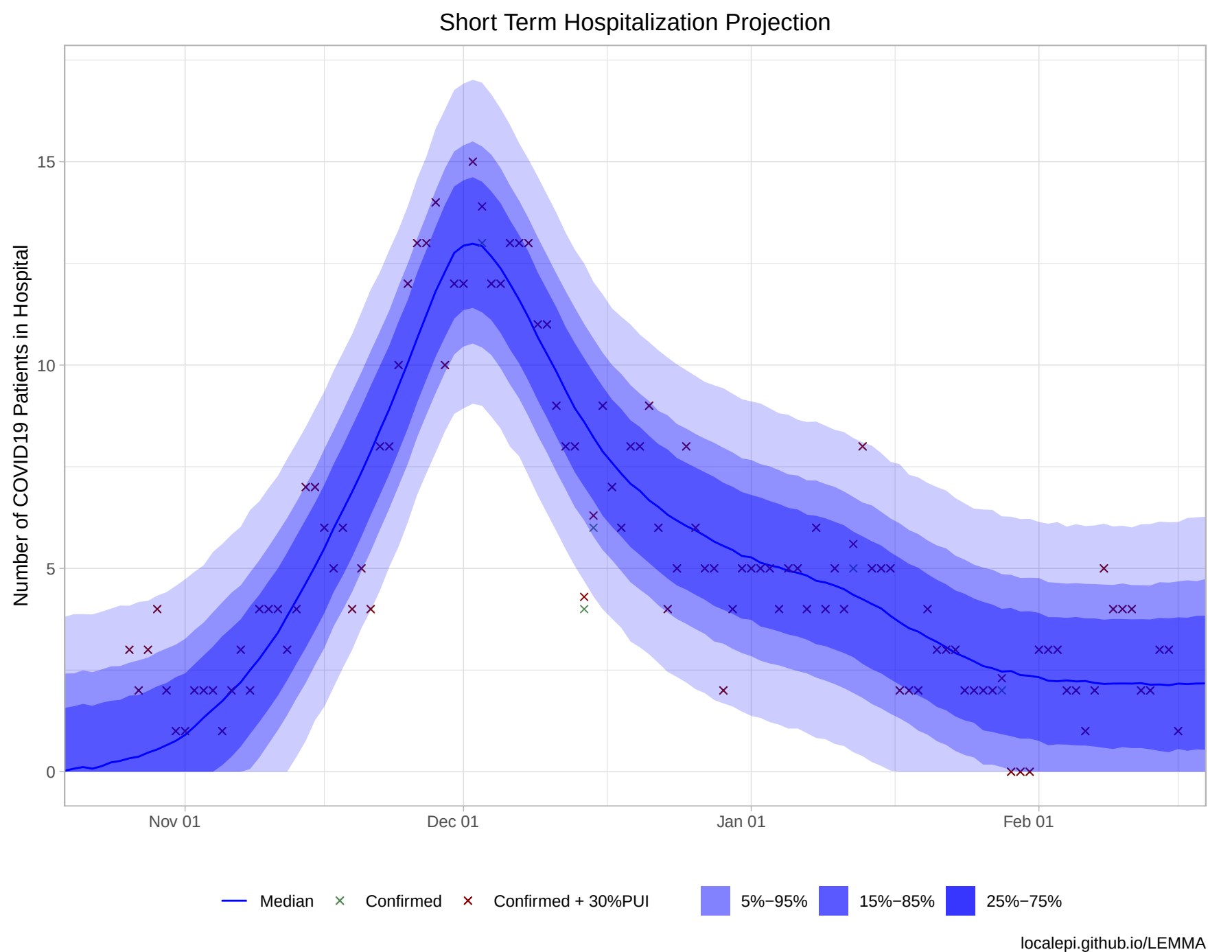
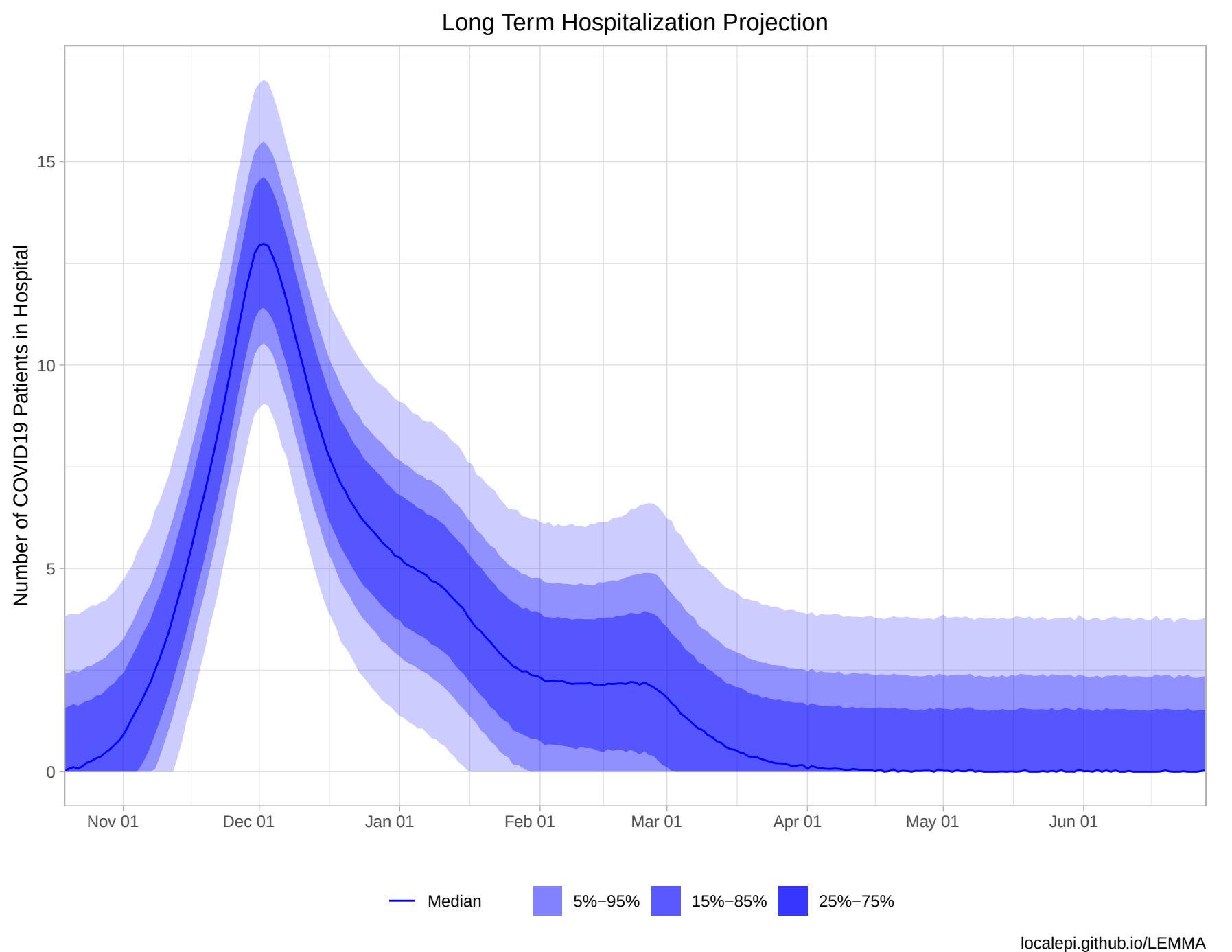
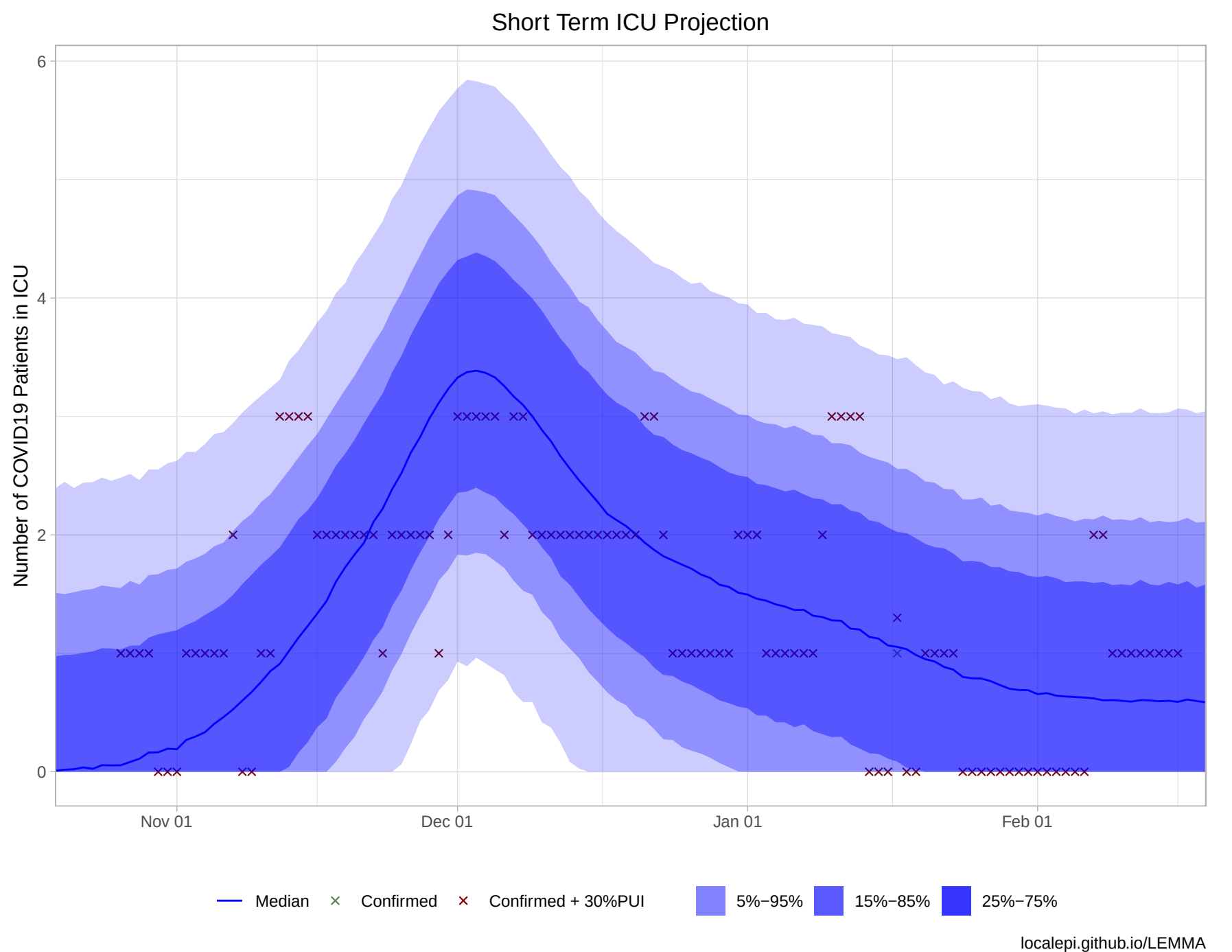
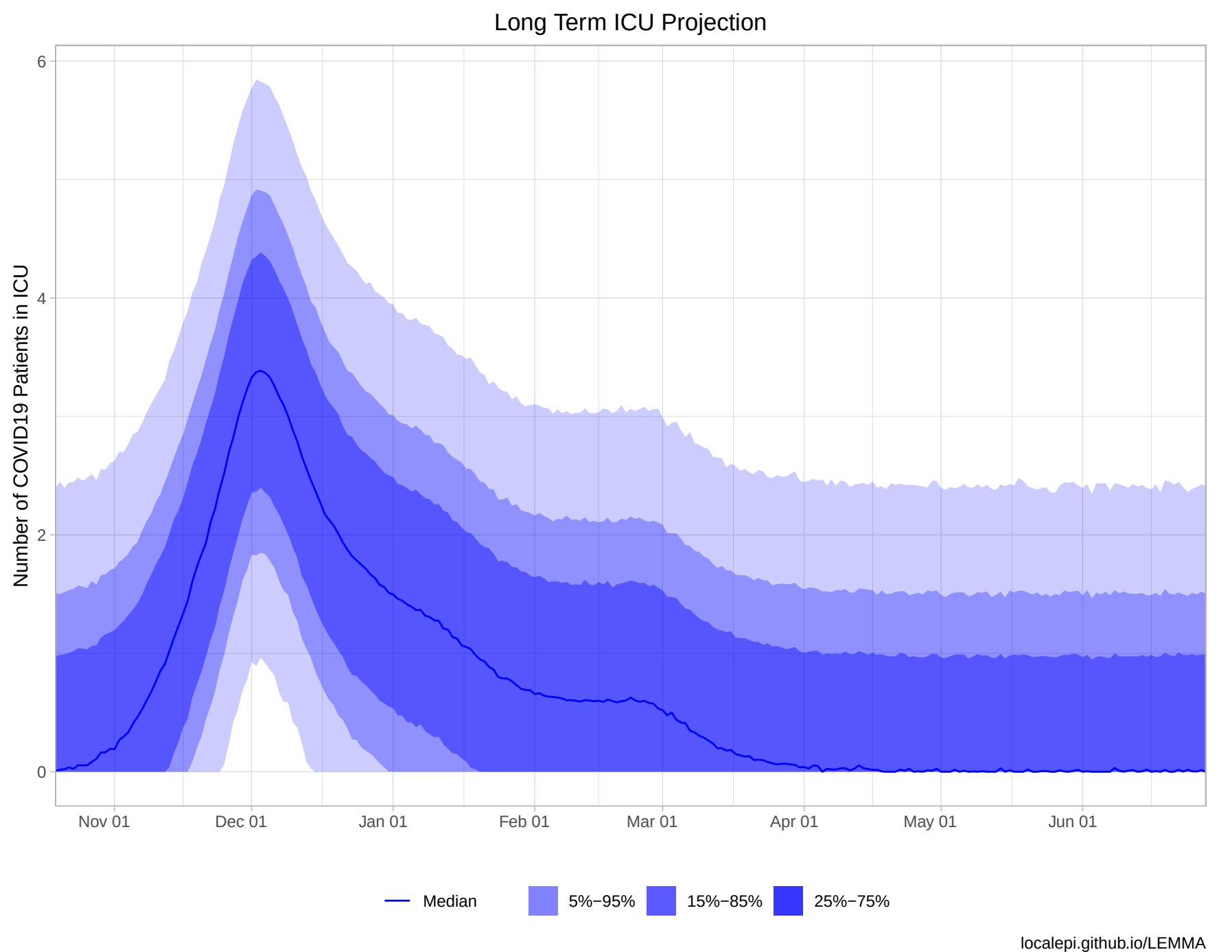
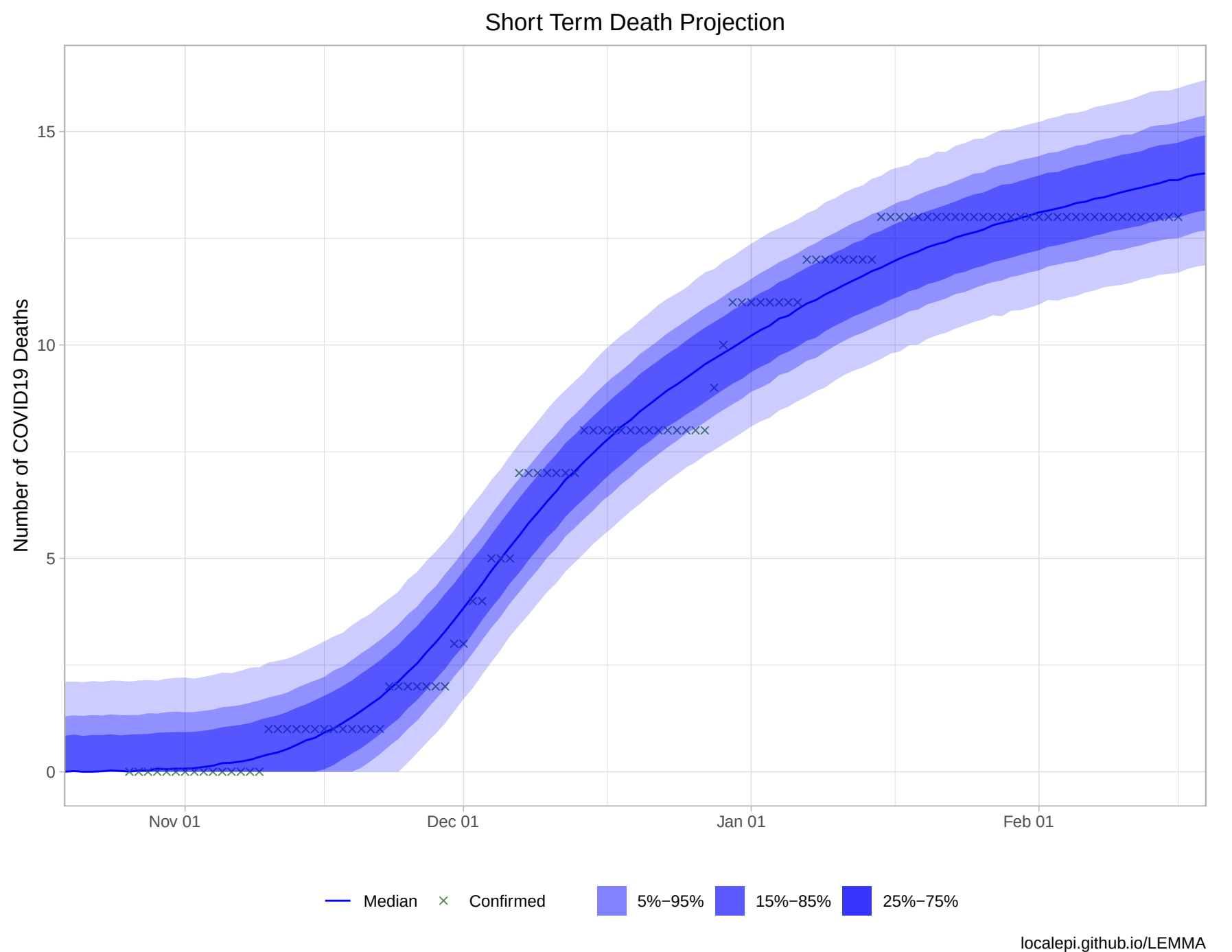
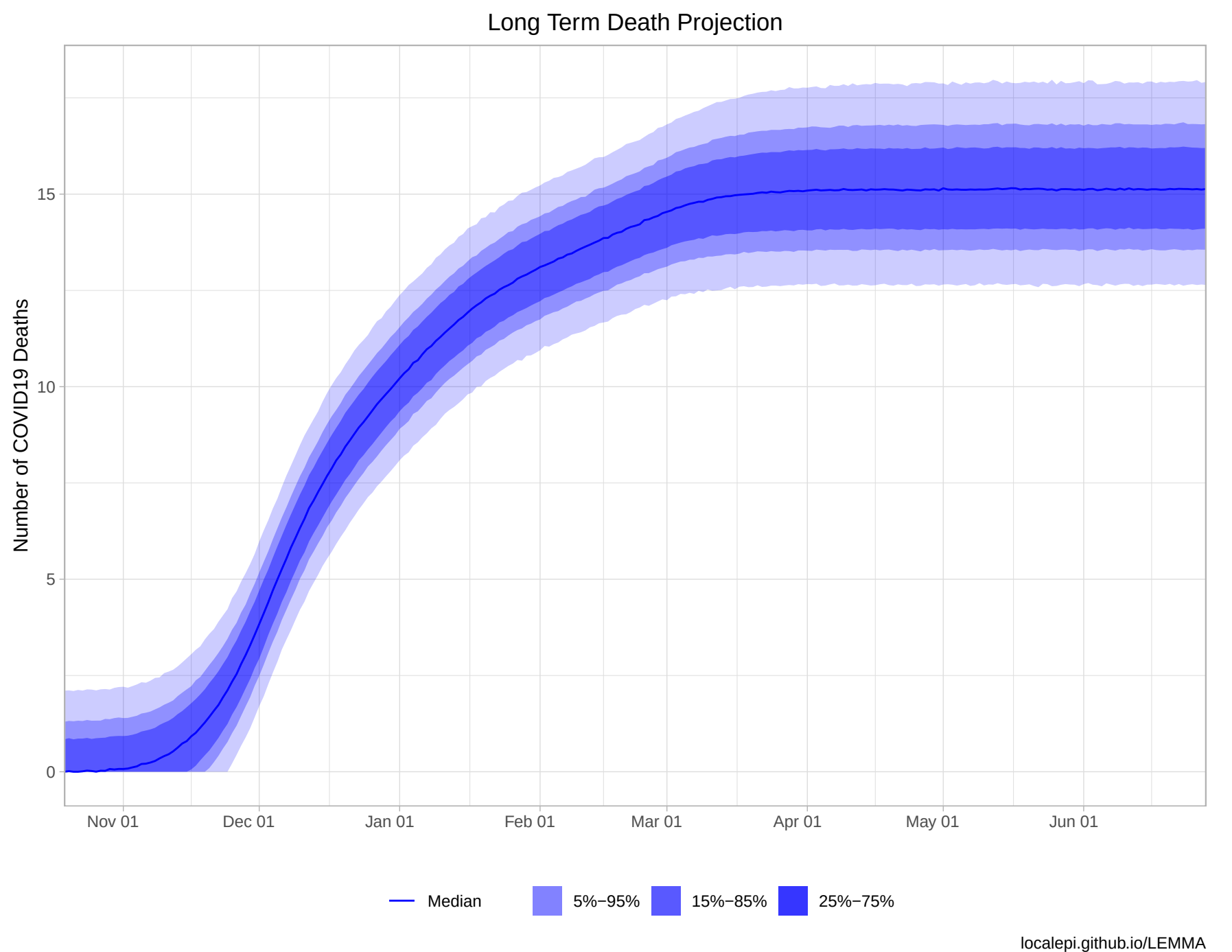

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

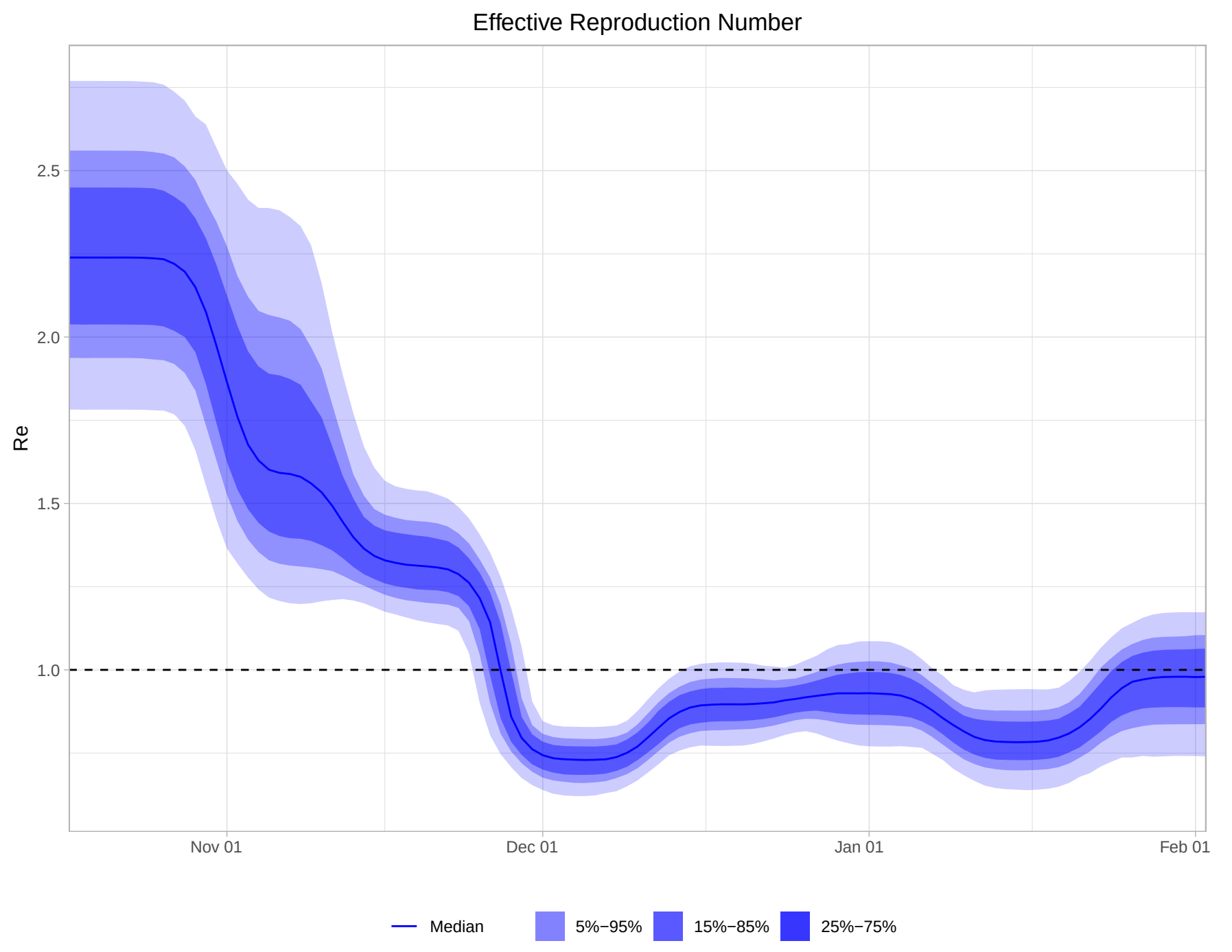

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


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

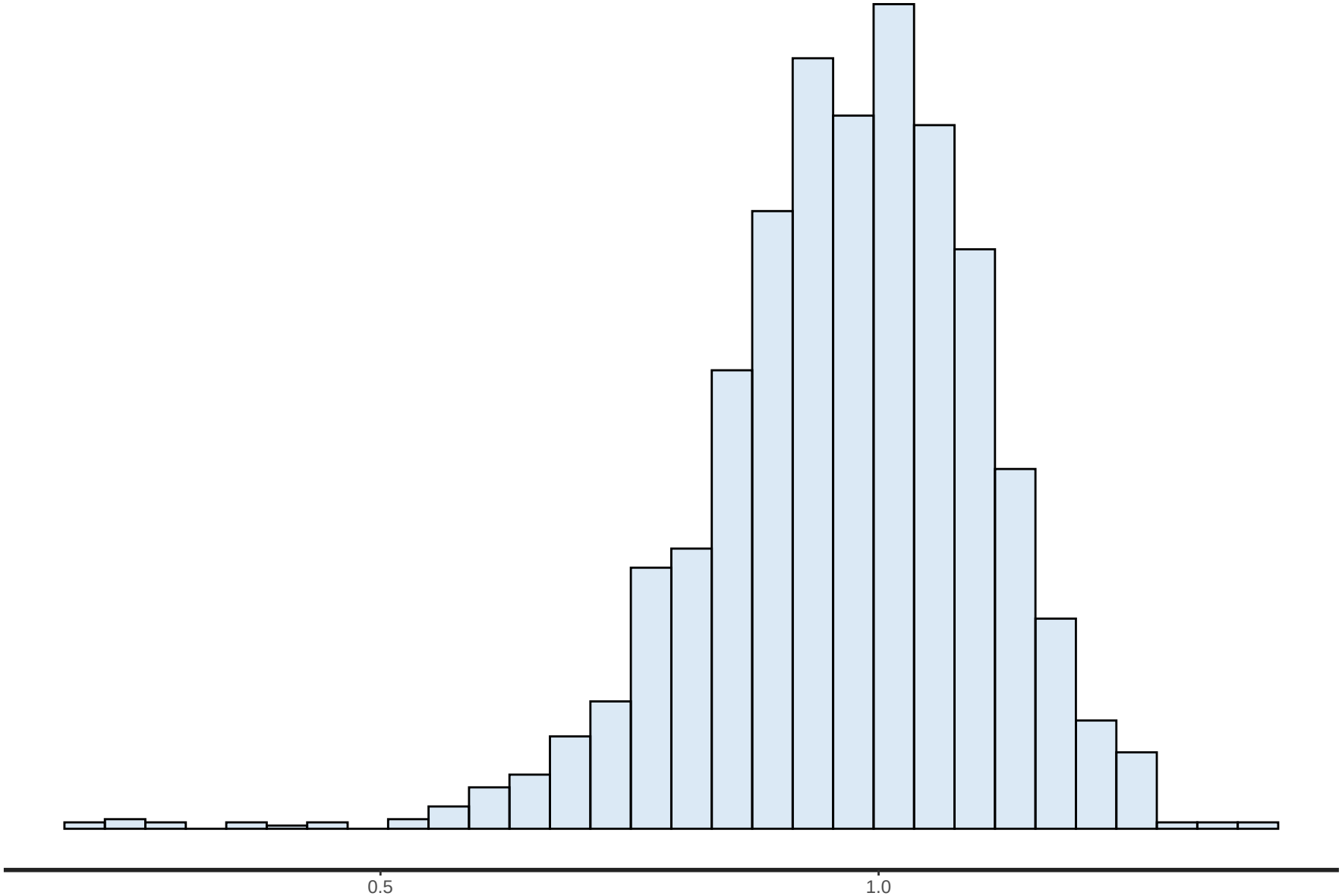

Short Term Death Projection
Number of COVID19 Deaths
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

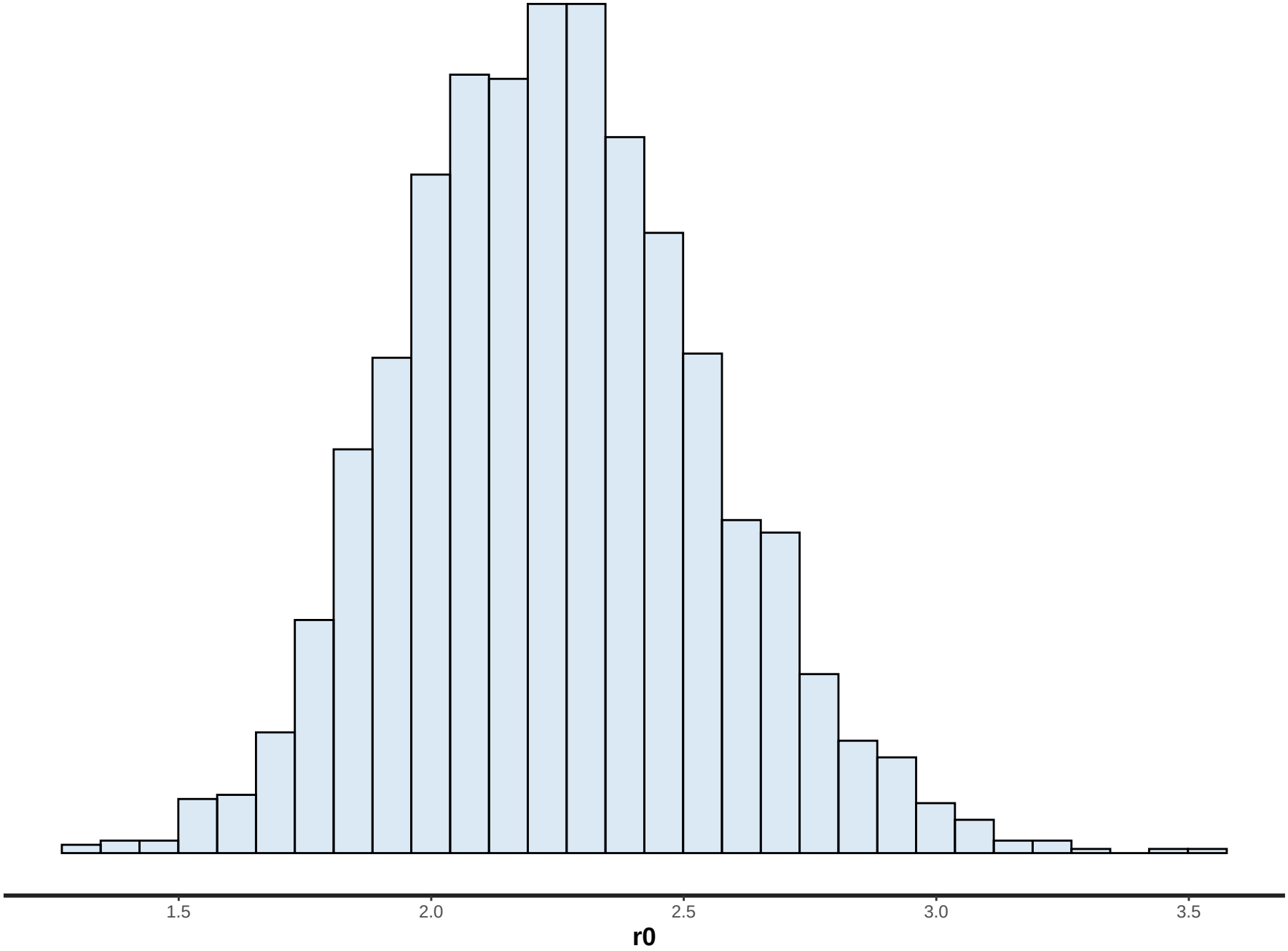

Long Term Death Projection
Number of COVID19 Deaths
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

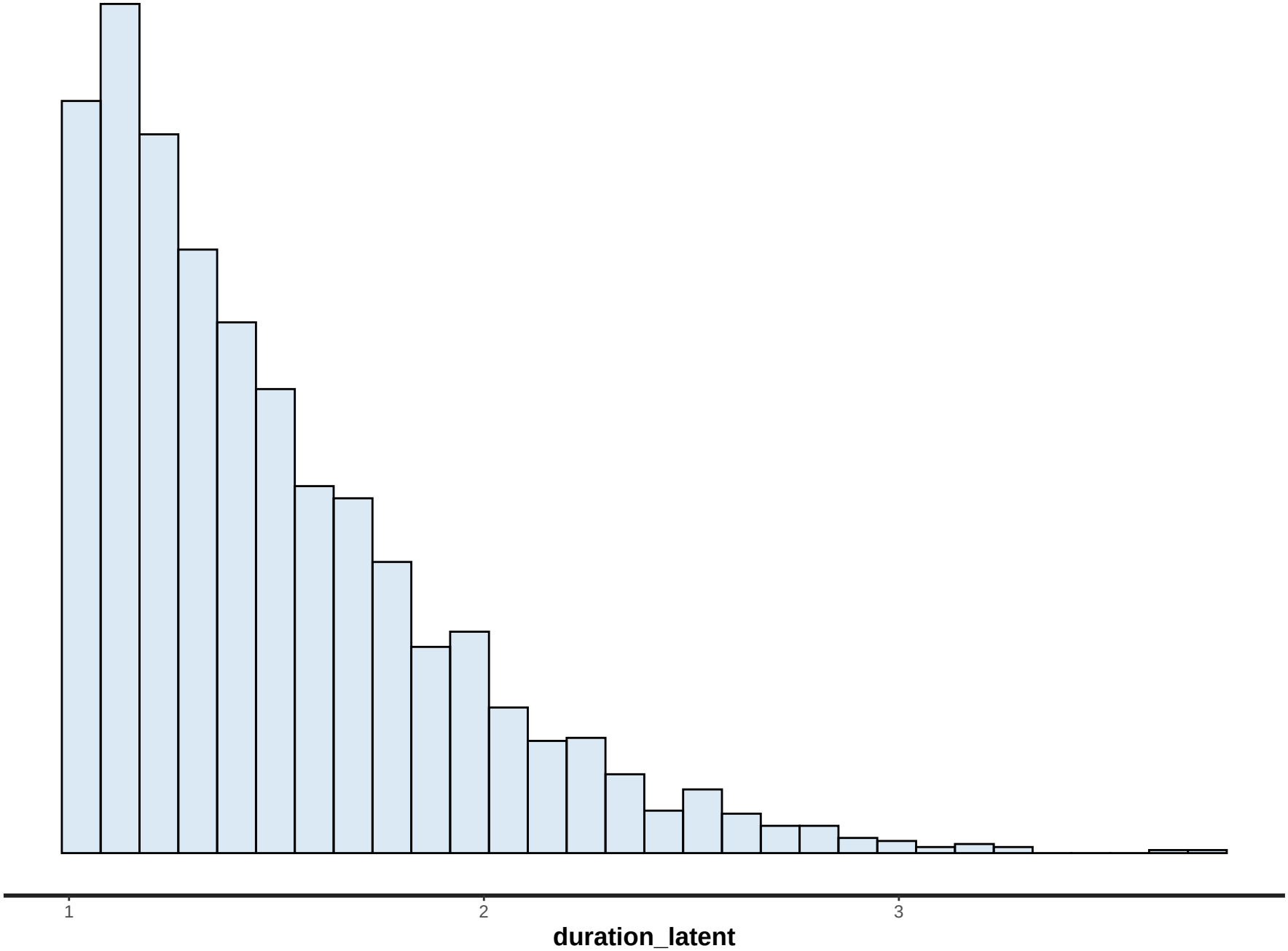

Effective Reproduction Number
Re
2.5
2.0
1.5
1.0
Nov 01
Dec 01
Jan 01
Feb 01
Median
5%−95%
15%−85%
25%−75%

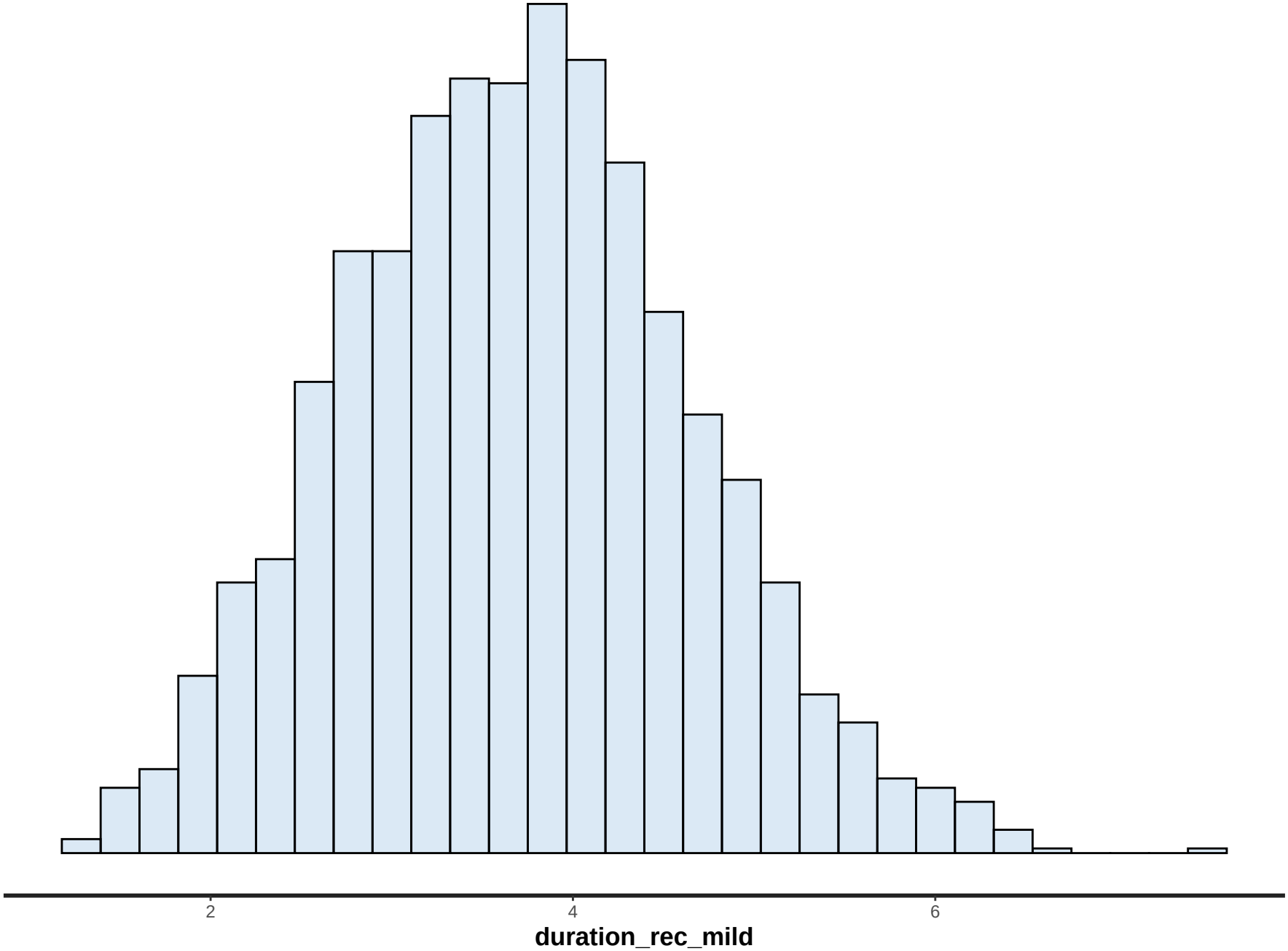
Rt as of 2021−02−02

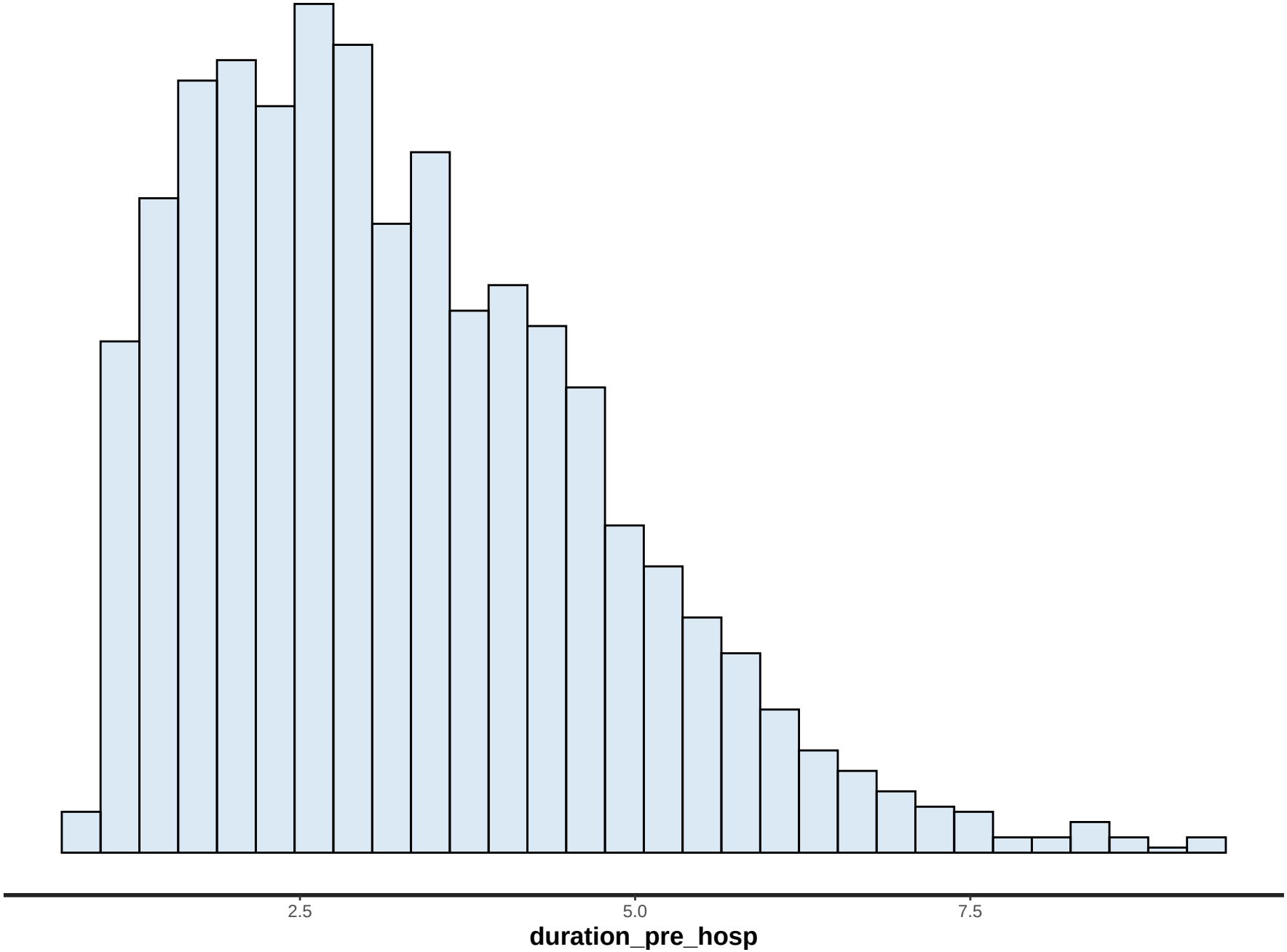
5%	10%	25%	50%	75%	90%	95%
0.74	0.79	0.89	0.98	1.06	1.13	1.17




1.5
2.0
2.5
3.0
3.5
r0


1
2
3
duration_latent


2
4
6
duration_rec_mild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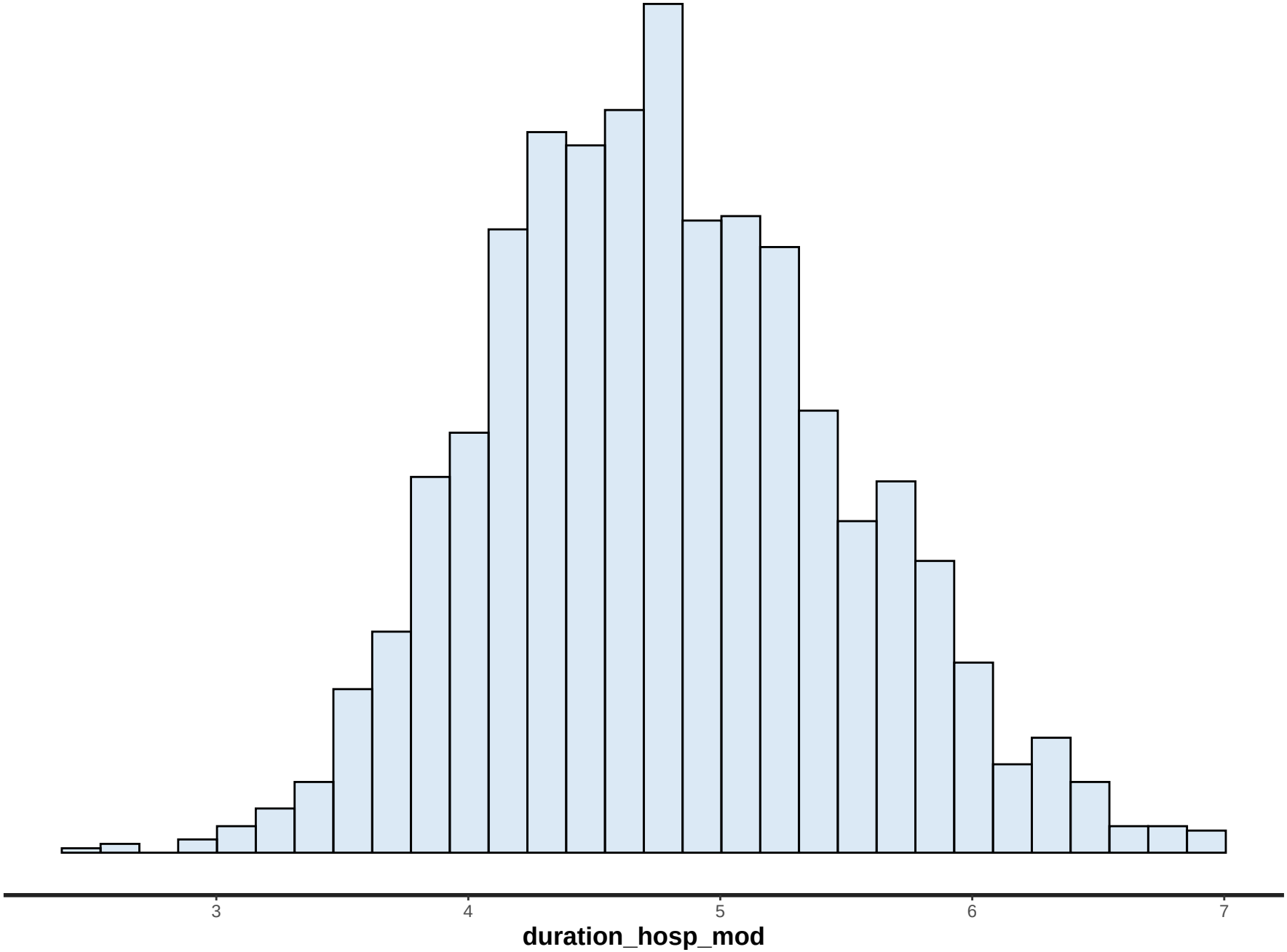
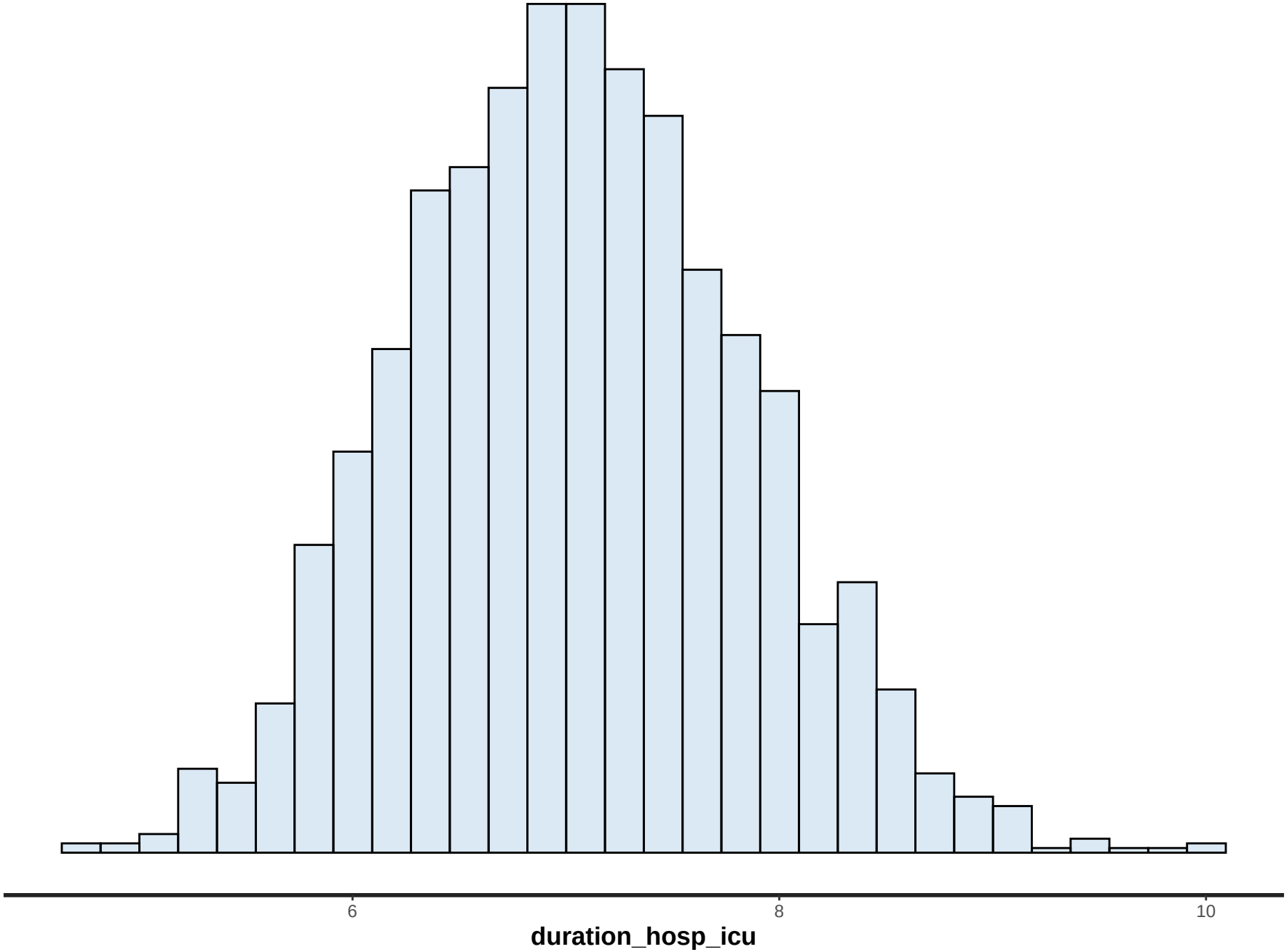
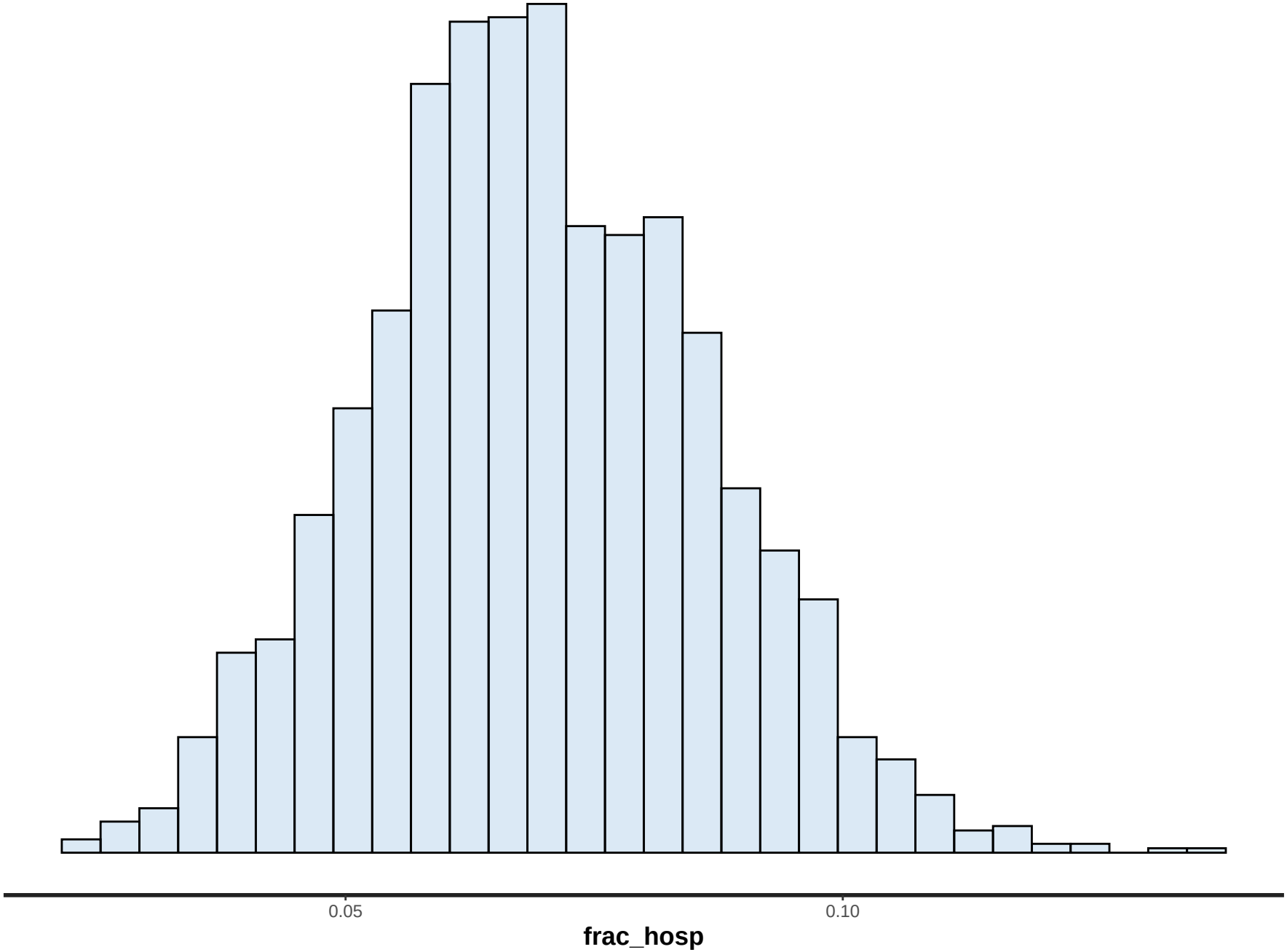
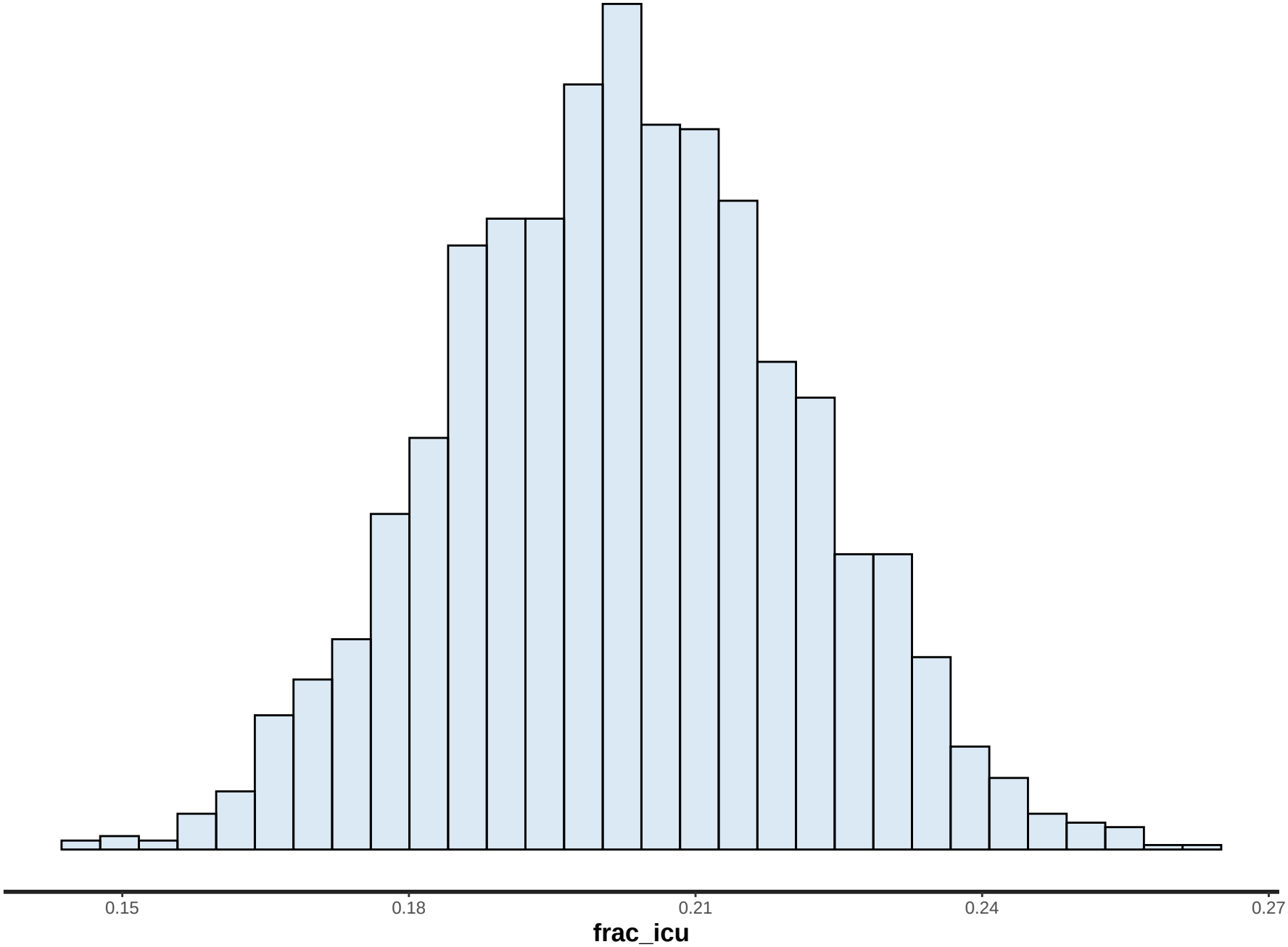
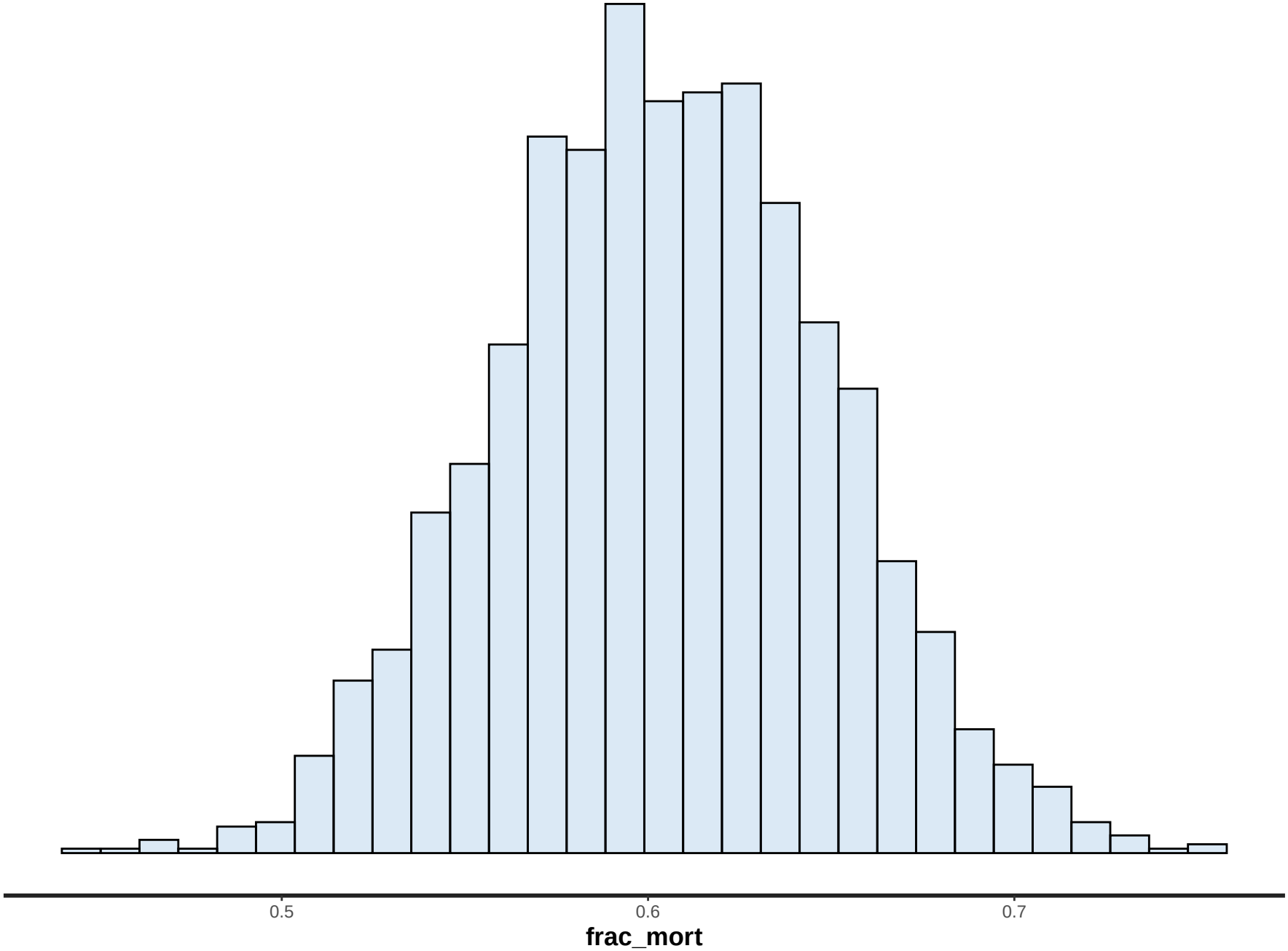
5.0
7.5
duration_pre_hosp

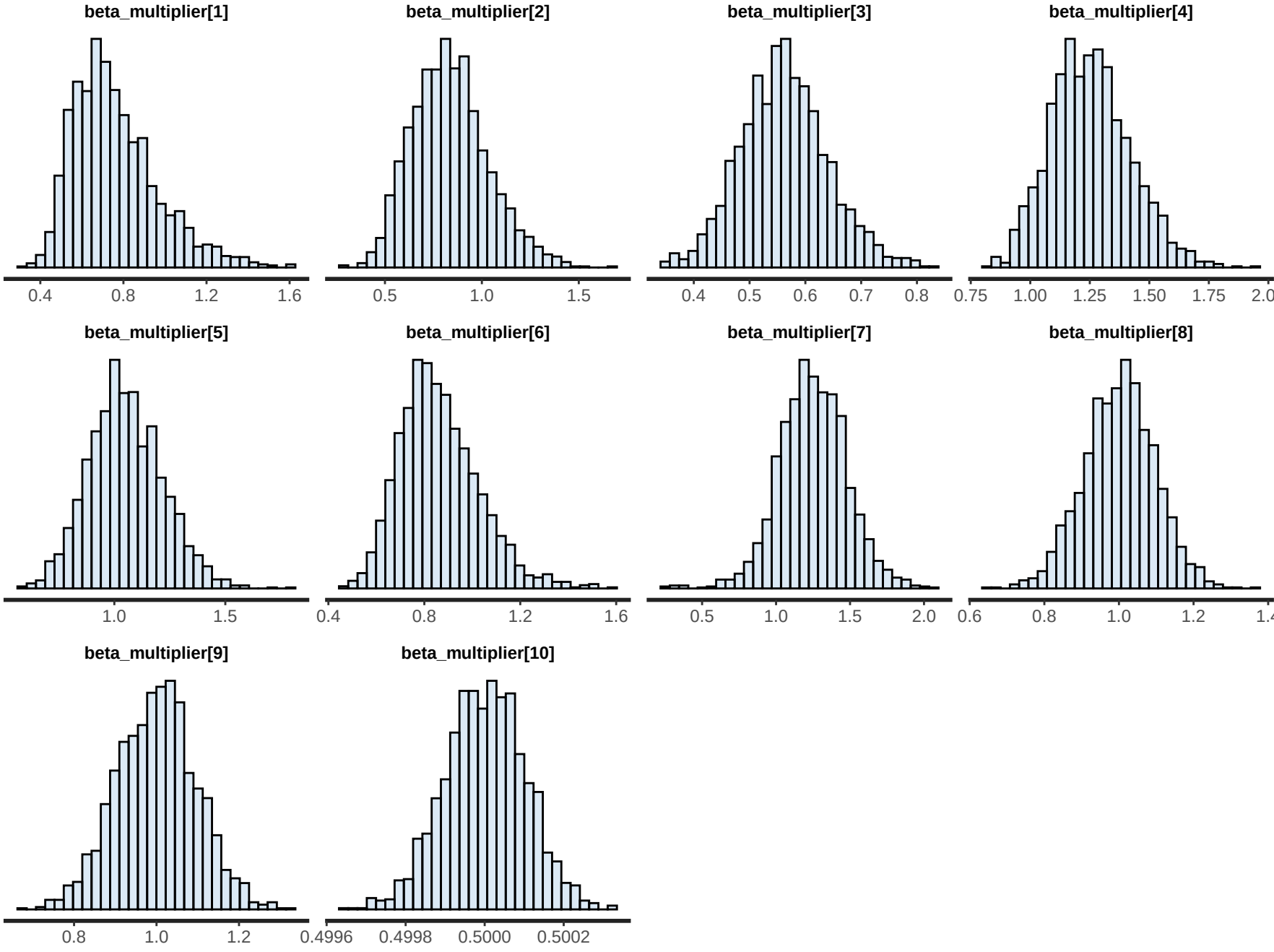

3
4
5
6
7
duration_hosp_mod


6
8
10
duration_hosp_icu


0.05
0.10
frac_hosp


0.15
0.18
0.21
0.24
0.27
frac_icu


0.5
0.6
0.7
frac_mort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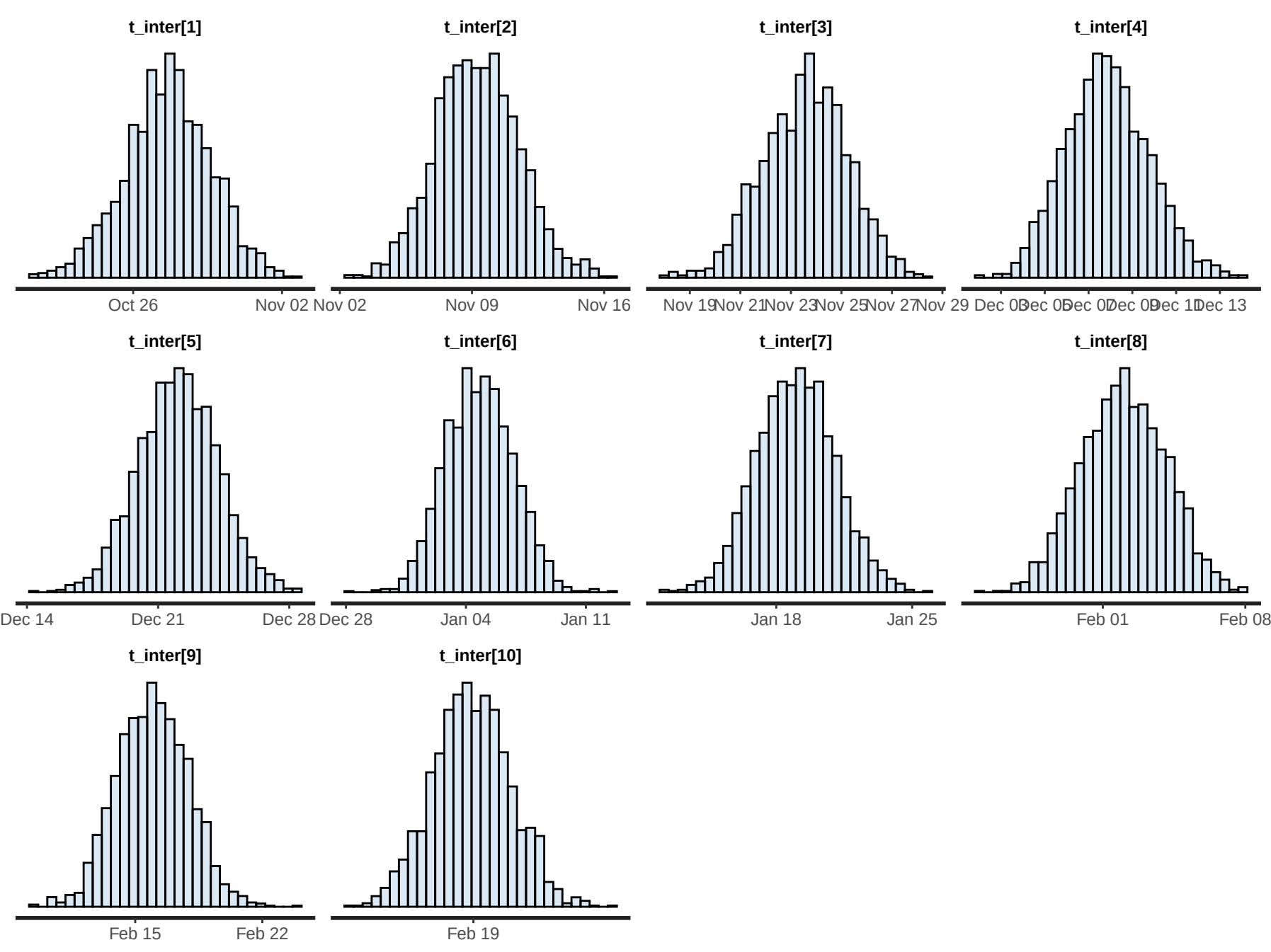
0.8
1.2
1.6
beta_multiplier[2]
0.5
1.0
1.5
beta_multiplier[3]
0.4
0.5
0.6
0.7
0.8
beta_multiplier[4]
0.75
1.00
1.25
1.50
1.75
2.00
beta_multiplier[5]
1.0
1.5
beta_multiplier[6]
0.4
0.8
1.2
1.6
beta_multiplier[7]
0.5
1.0
1.5
2.0
beta_multiplier[8]
0.6
0.8
1.0
1.2
1.4
beta_multiplier[9]
0.8
1.0
1.2
beta_multiplier[10]
0.4996
0.4998
0.5000
0.5002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Oct 26
Nov 02
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Nov 02
Nov 09
Nov 16
t_inter[3]
Nov 19
Nov 21
Nov 23
Nov 25
Nov 27
Nov 29
t_inter[4]
Dec 03
Dec 05
Dec 07
Dec 09
Dec 11
Dec 13
t_inter[5]
Dec 14
Dec 21
Dec 28
t_inter[6]
Dec 28
Jan 04
Jan 11
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Jan 25
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Feb 01
Feb 08
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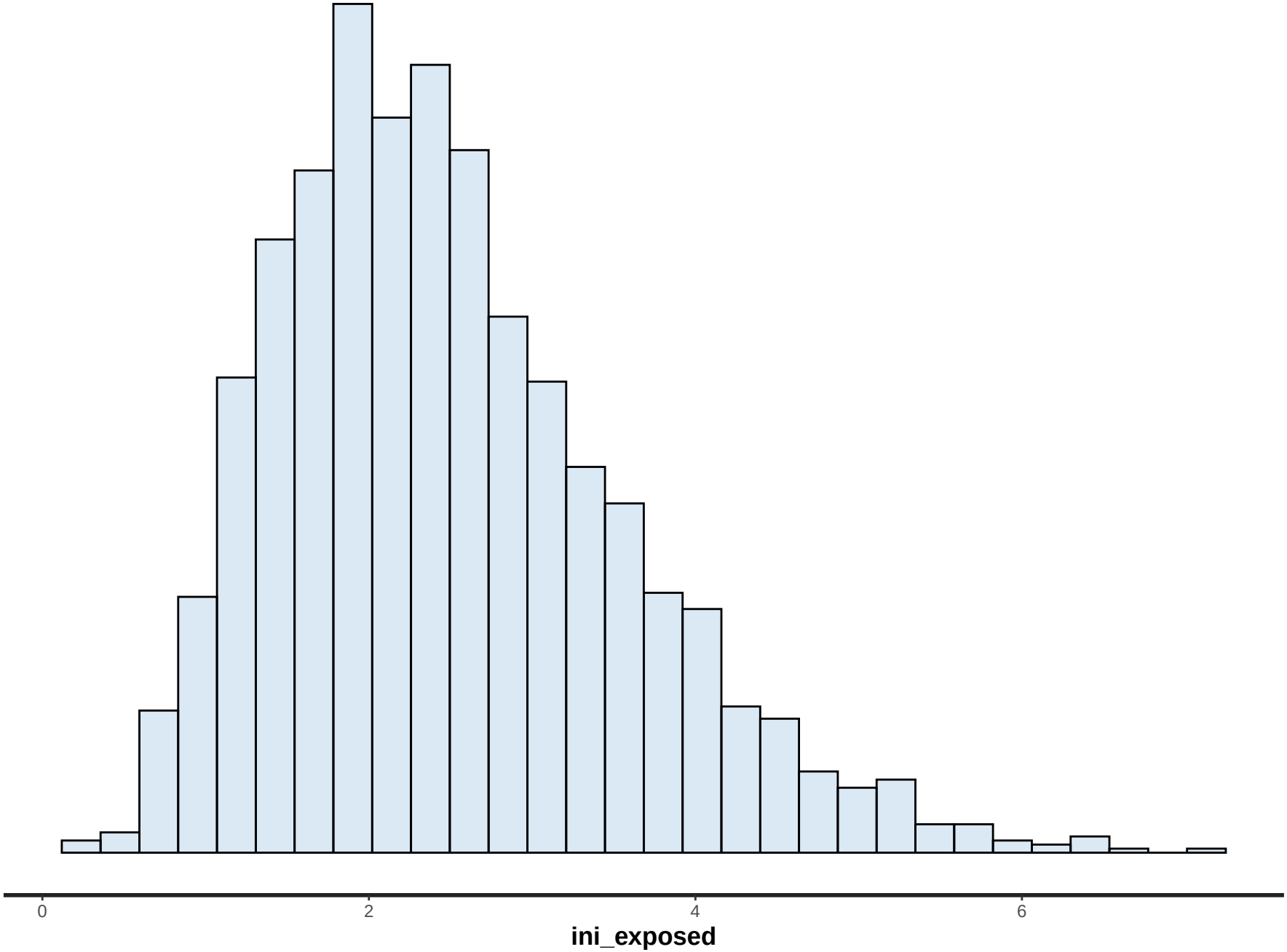
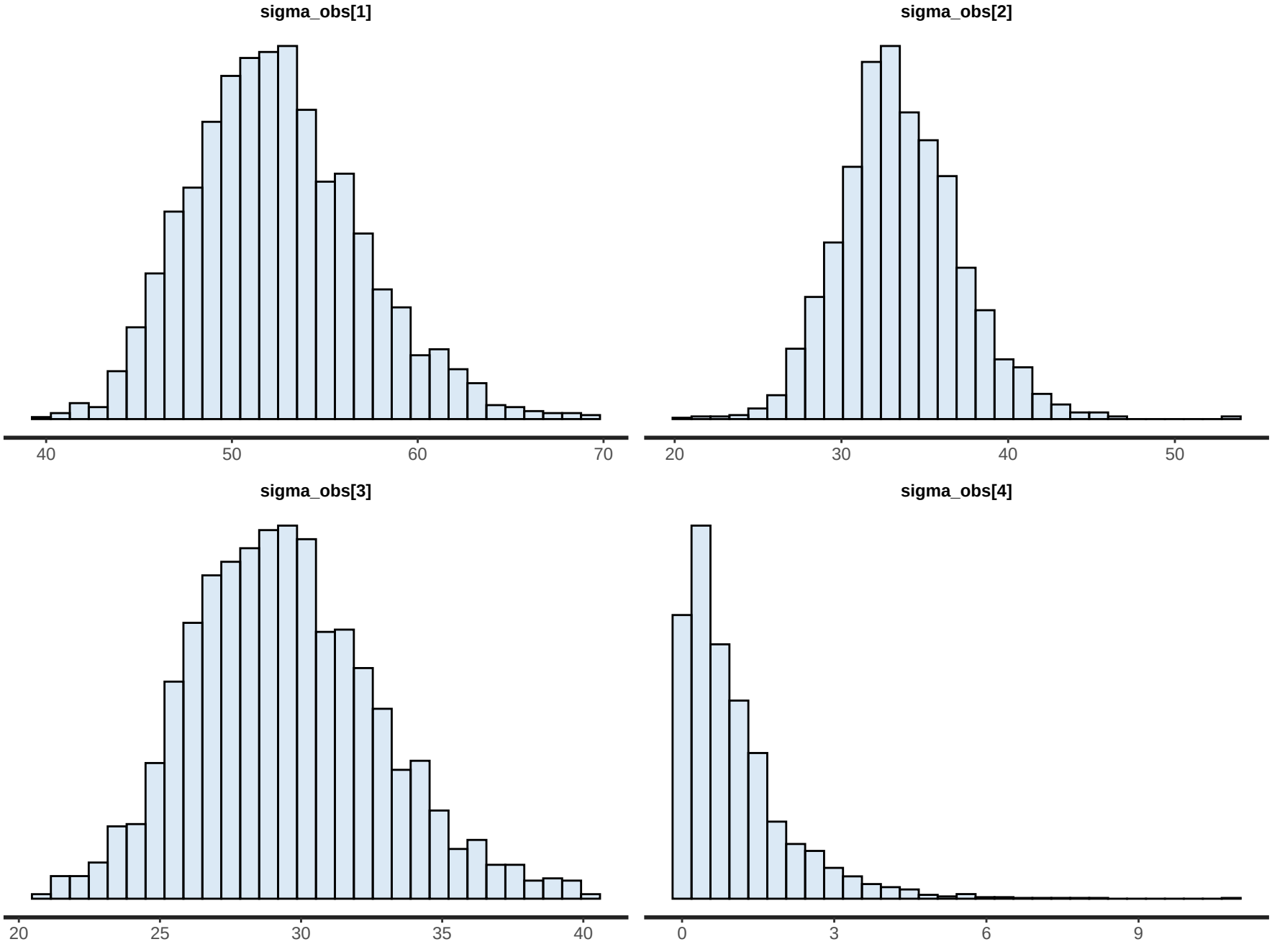
Feb 15
Feb 22
t_inter[10]
Feb 19


0
2
4
6
ini_exposed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60
70
sigma_obs[2]
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30
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sigma_obs[3]
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30
35
40
sigma_obs[4]
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3
6
9