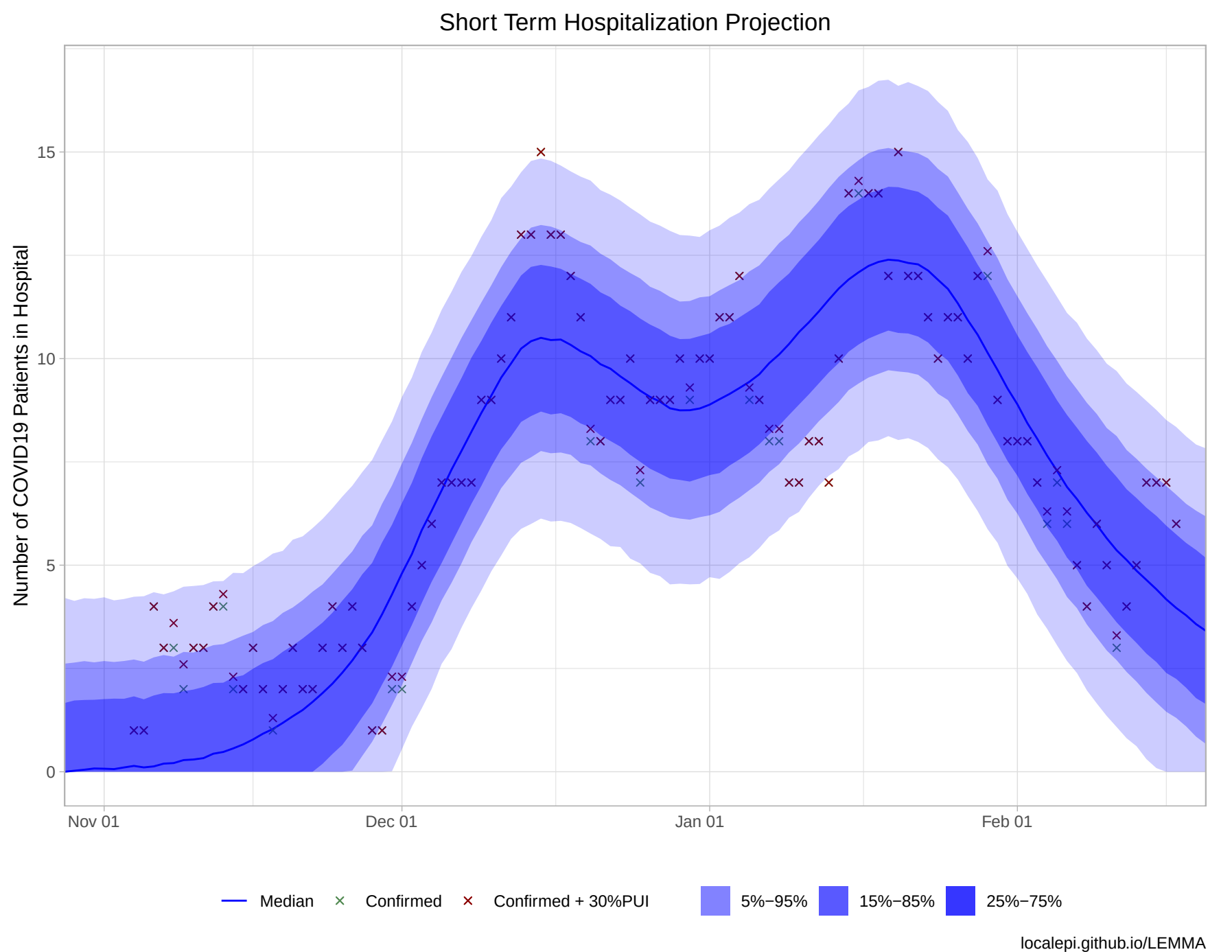
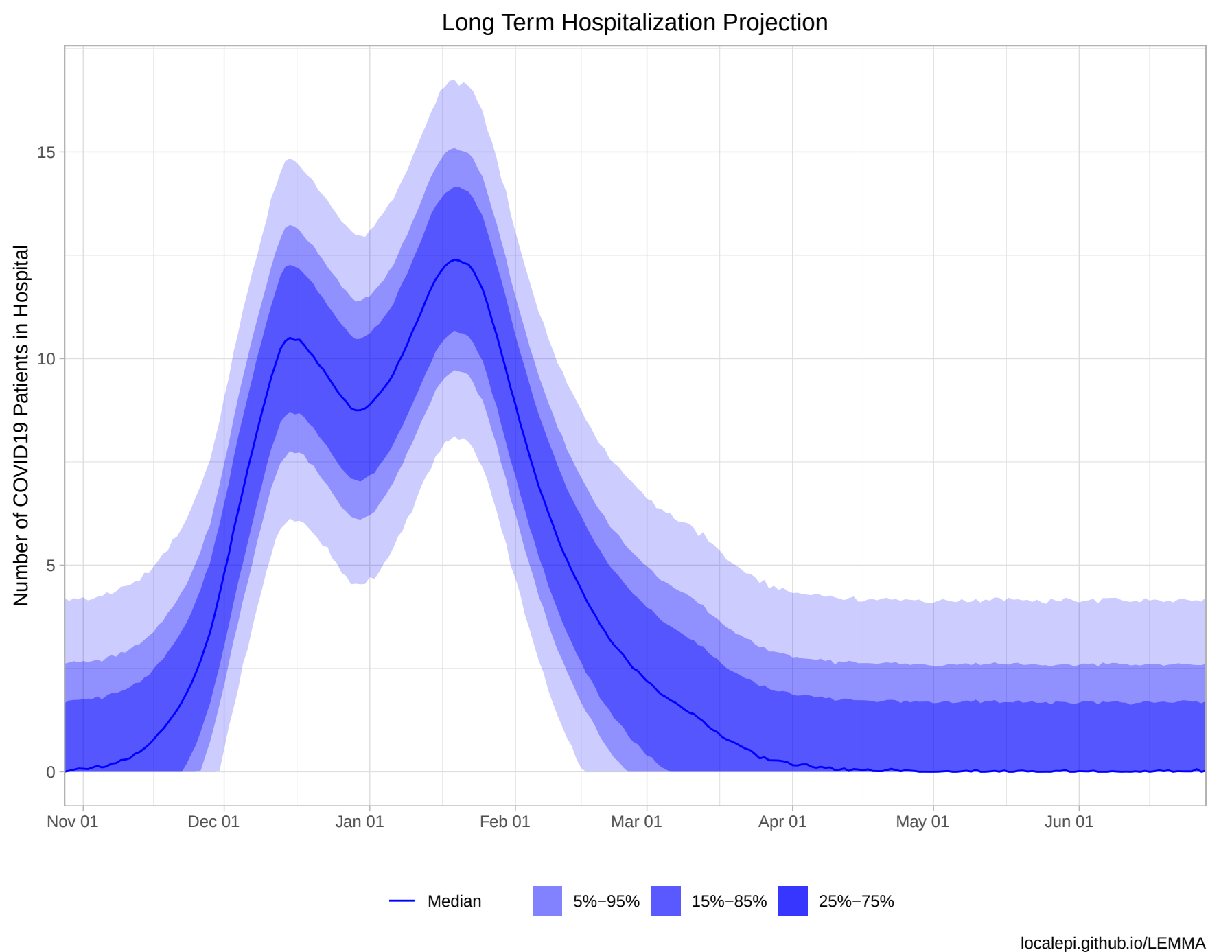
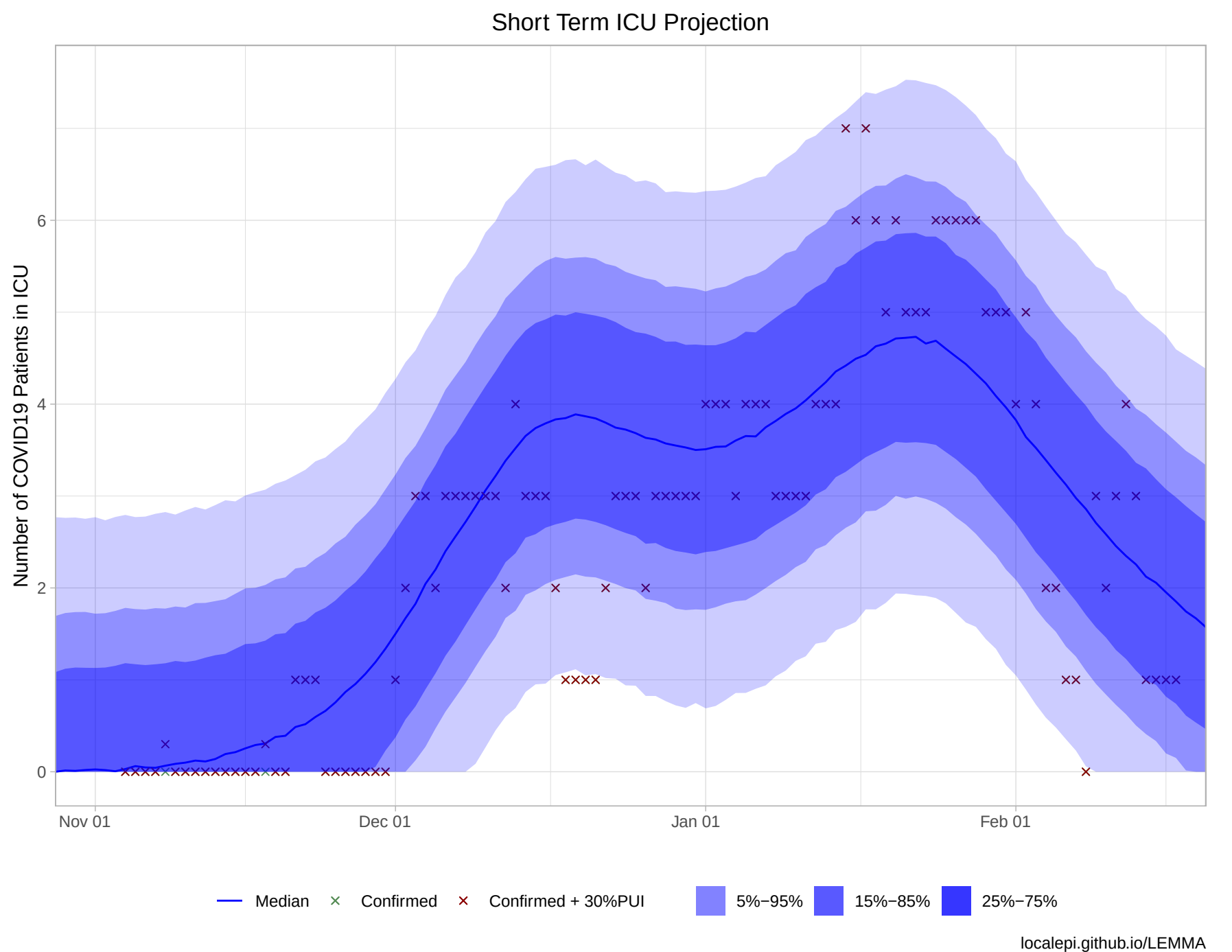
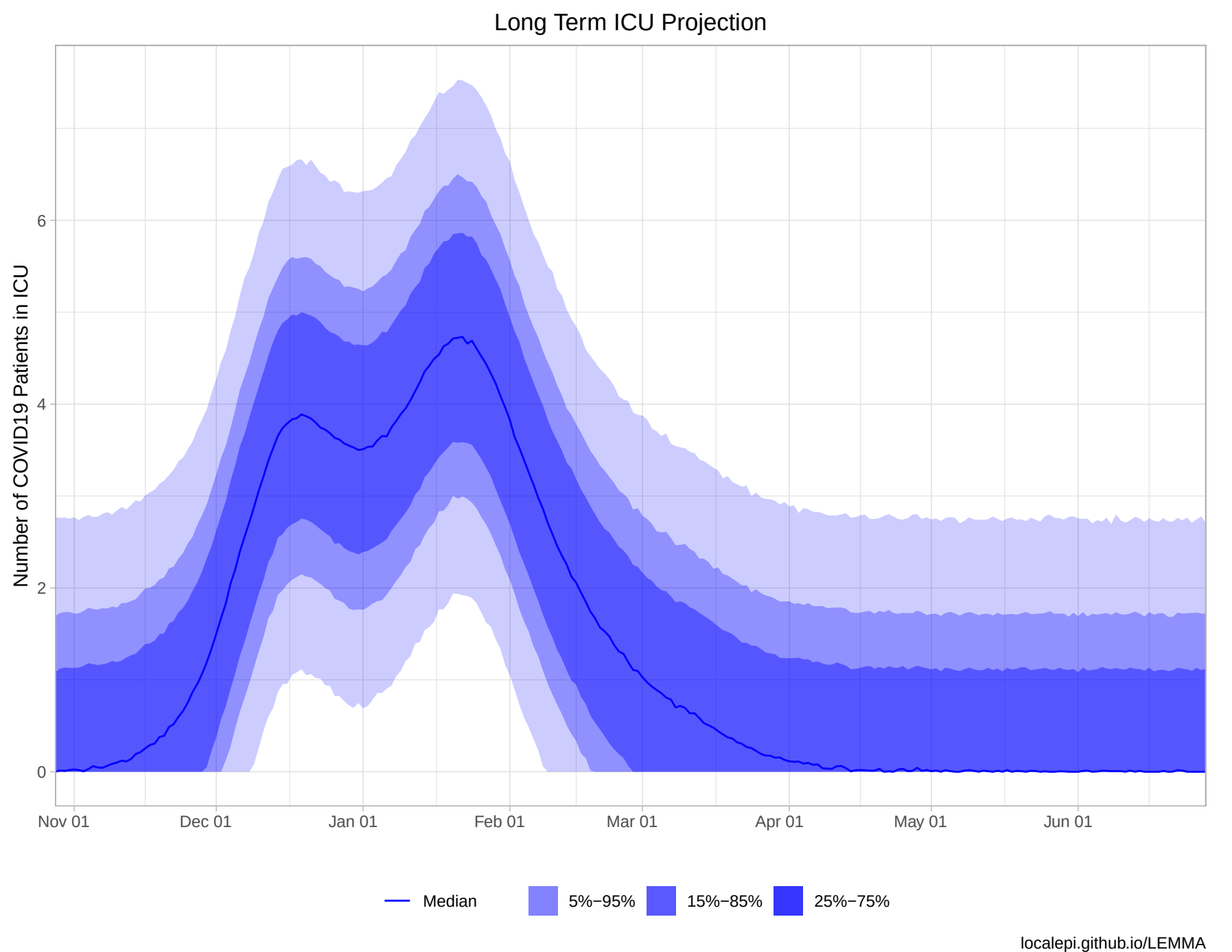
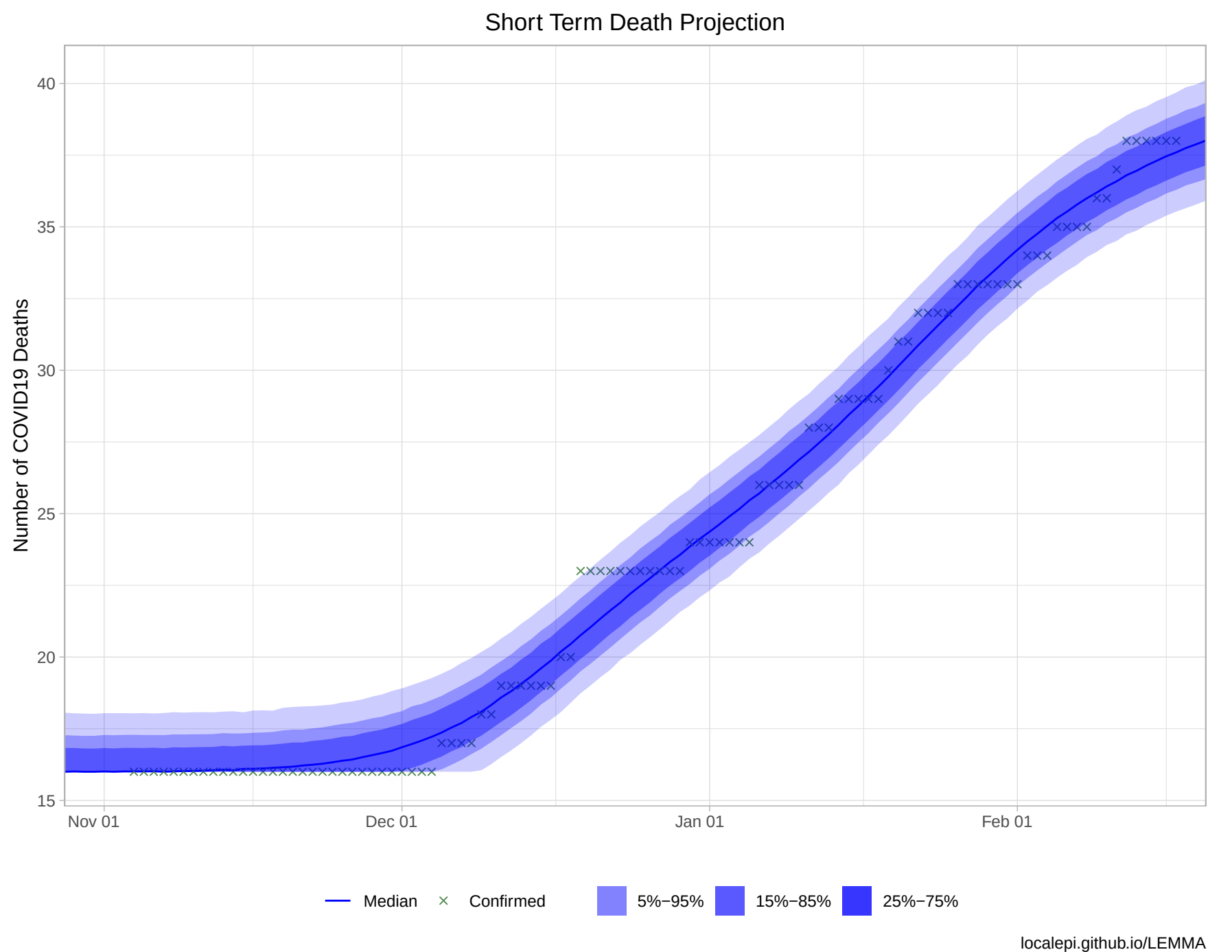
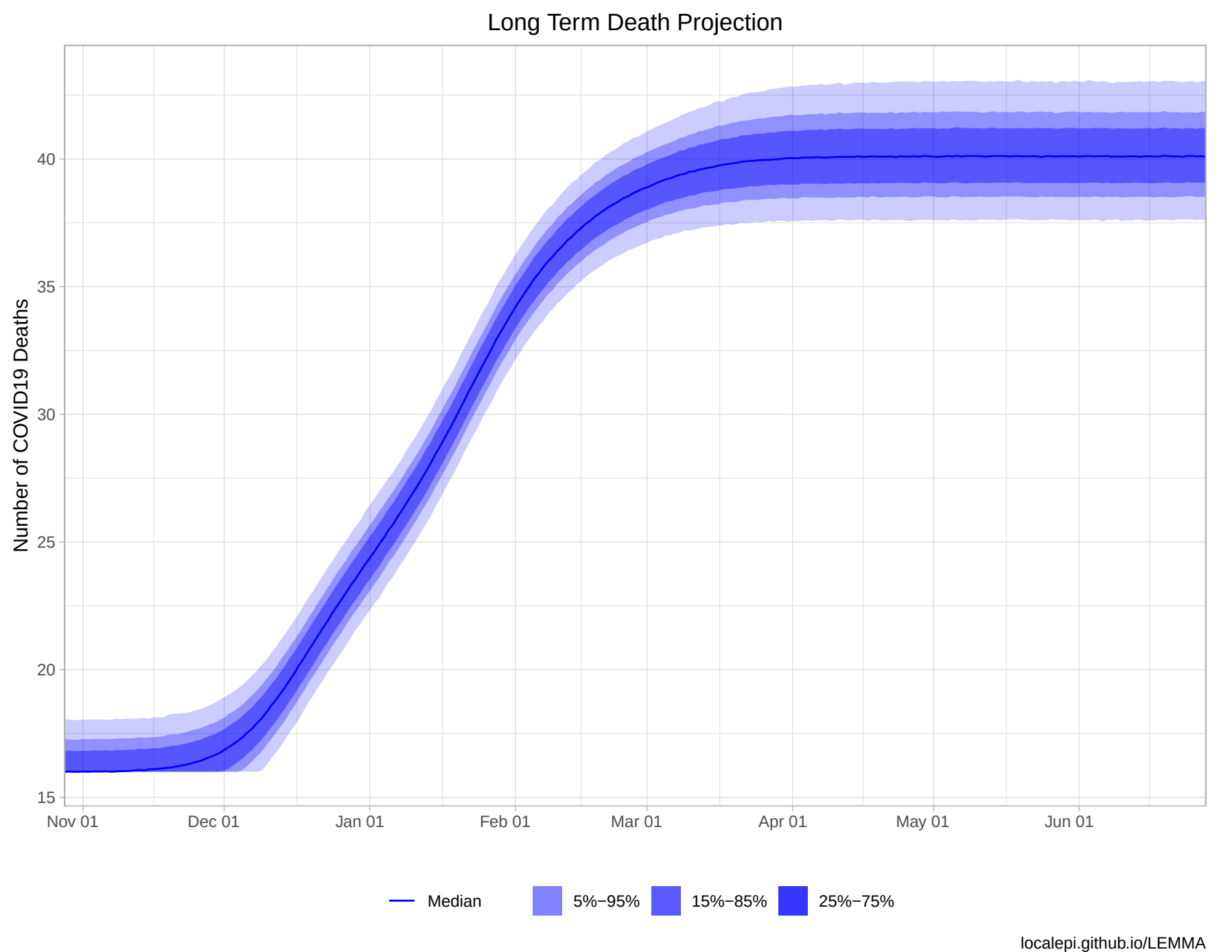

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

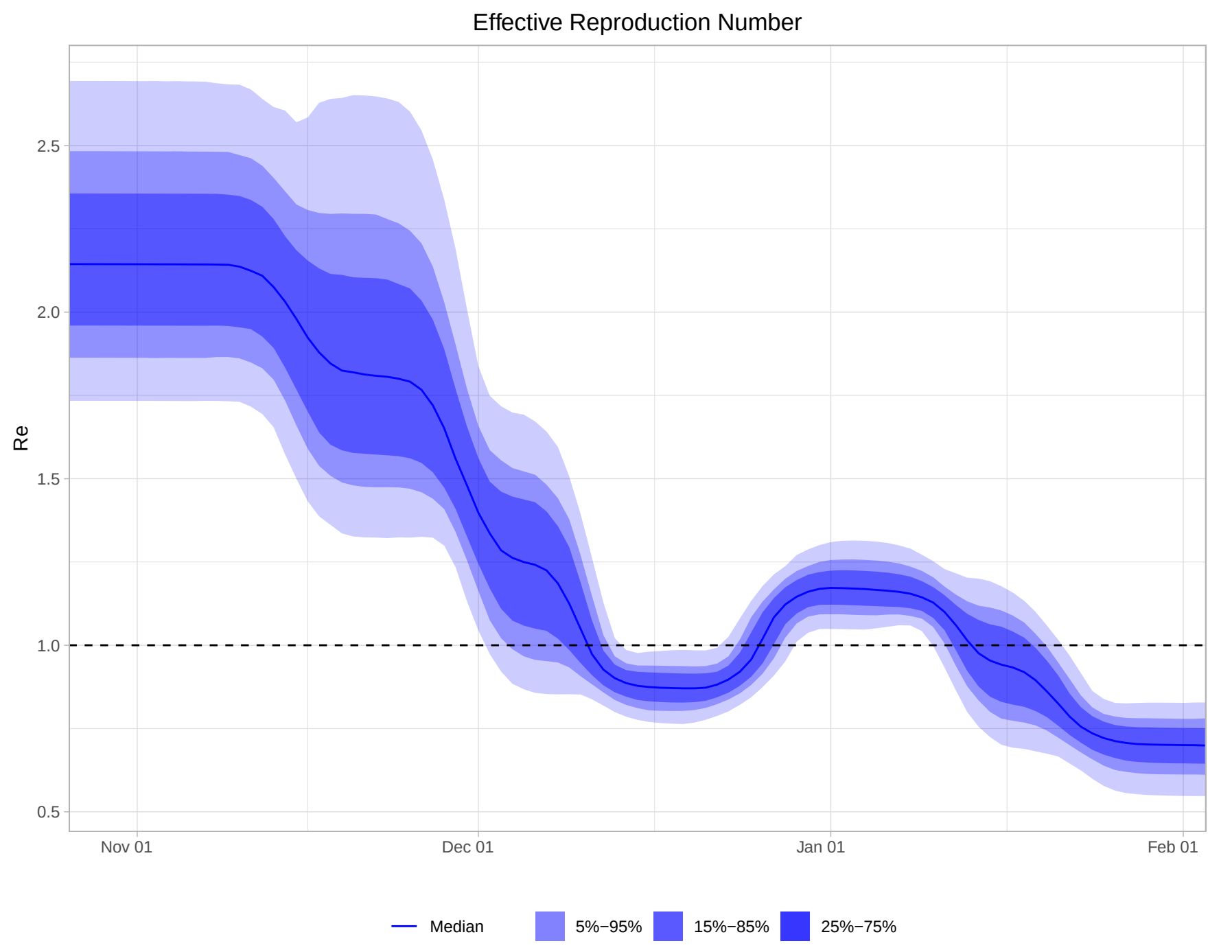

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
0
2
4
6
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
0
2
4
6
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

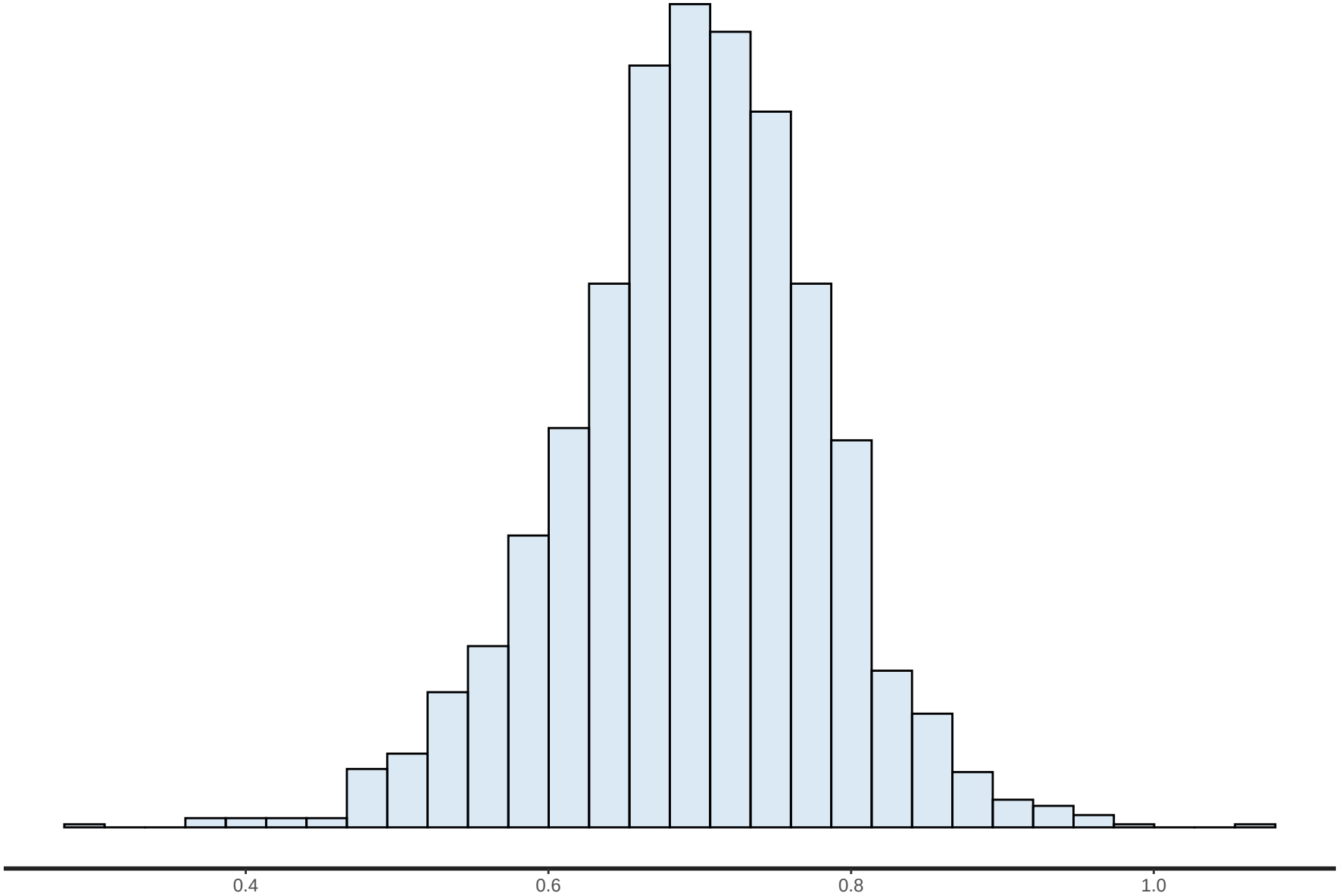

Short Term Death Projection
Number of COVID19 Deaths
40
35
30
25
20
15
Nov 01
Dec 01
Jan 01
Feb 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

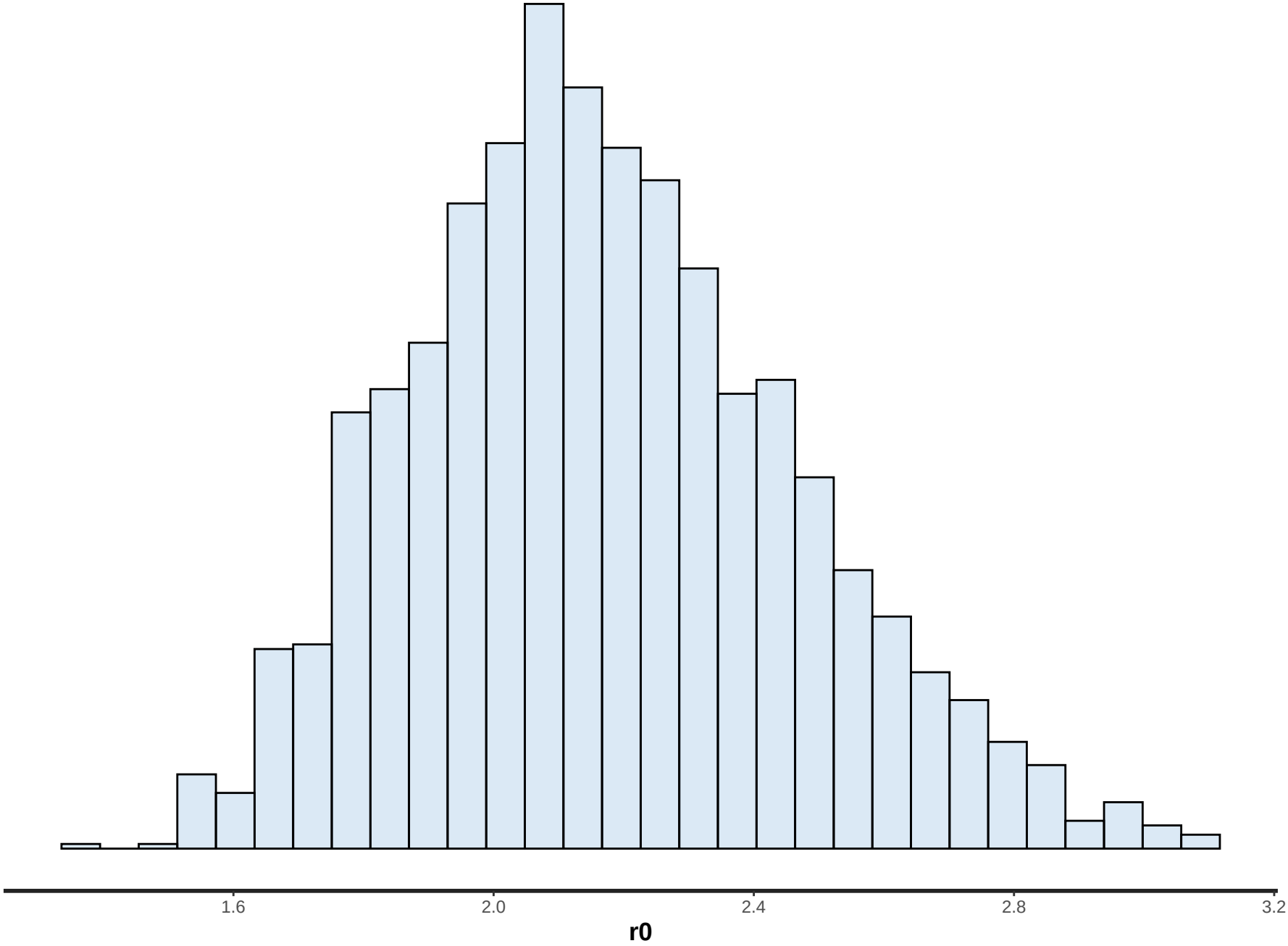

Long Term Death Projection
Number of COVID19 Deaths
40
35
30
25
20
15
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

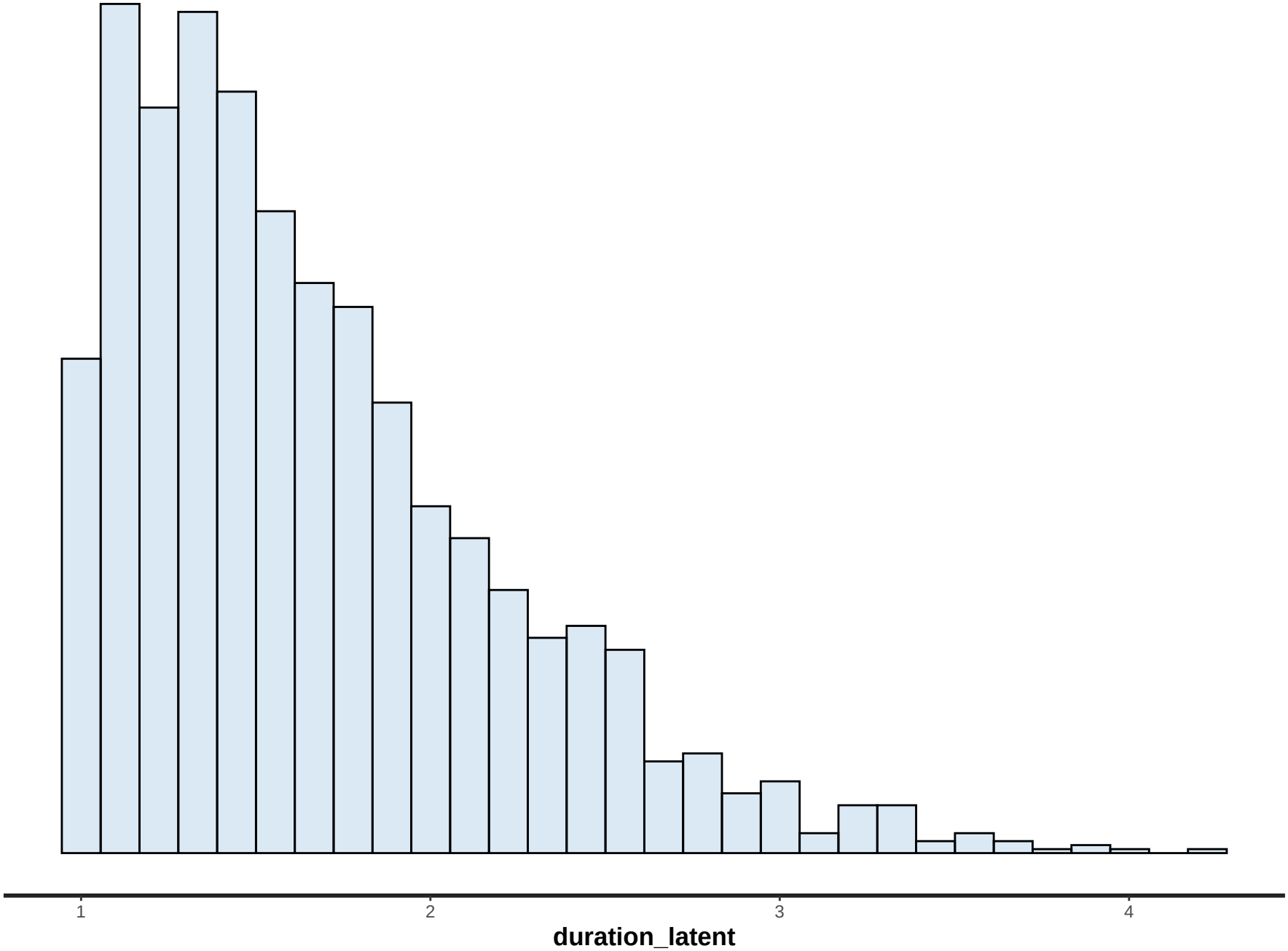

Effective Reproduction Number
Re
2.5
2.0
1.5
1.0
0.5
Nov 01
Dec 01
Jan 01
Feb 01
Median
5%−95%
15%−85%
25%−75%

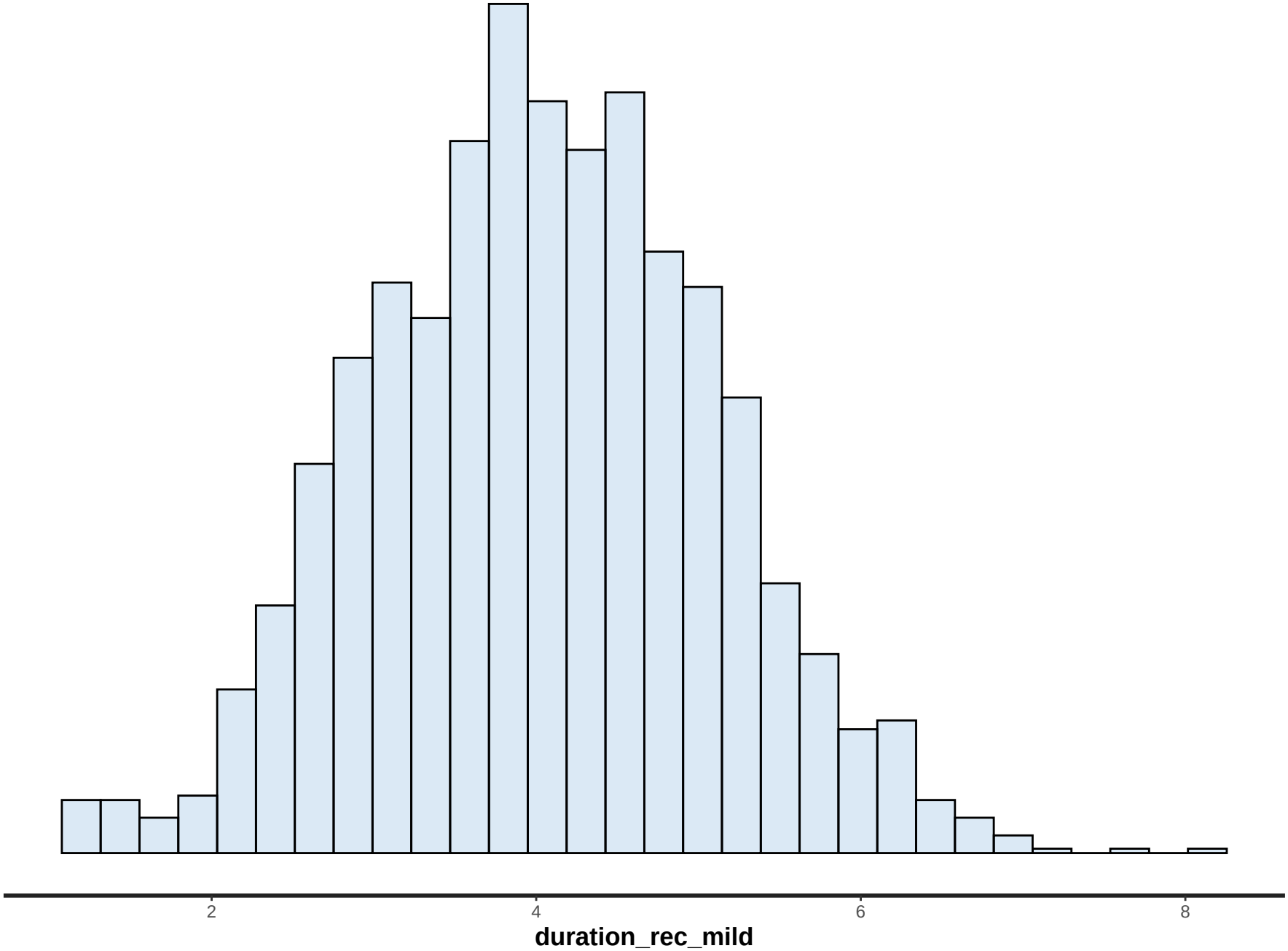
Rt as of 2021−02−03

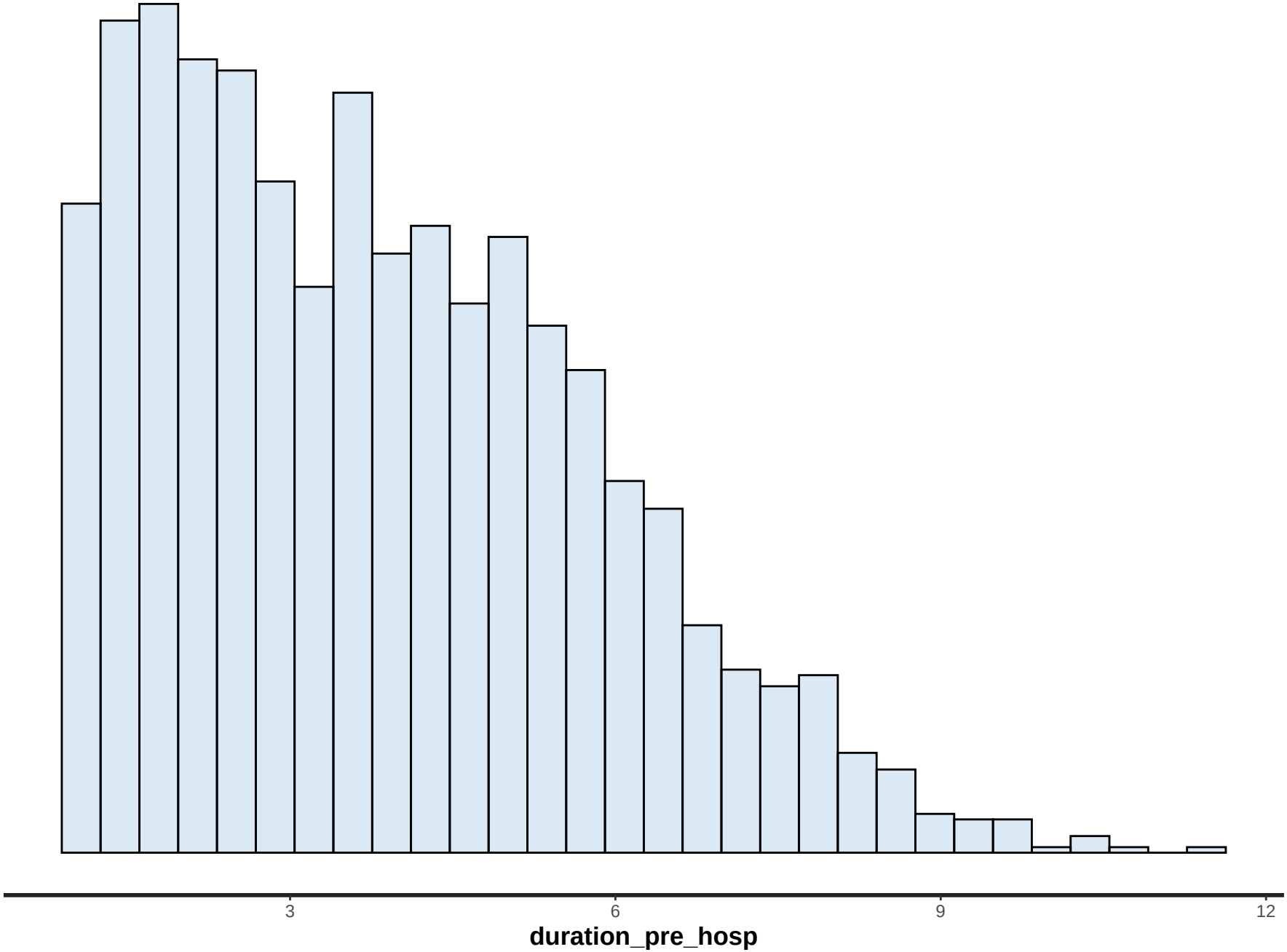
5%	10%	25%	50%	75%	90%	95%
0.55	0.59	0.64	0.70	0.75	0.80	0.83

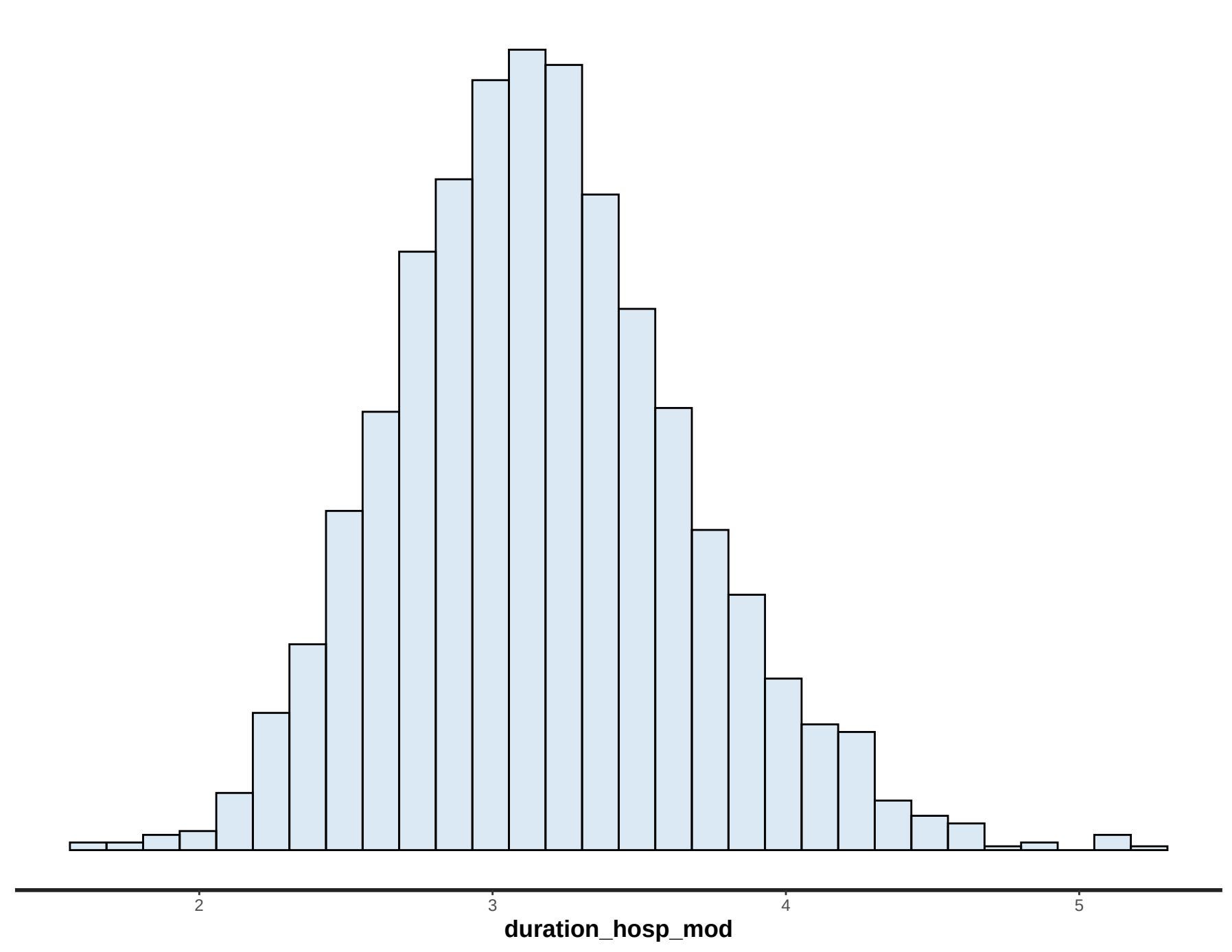


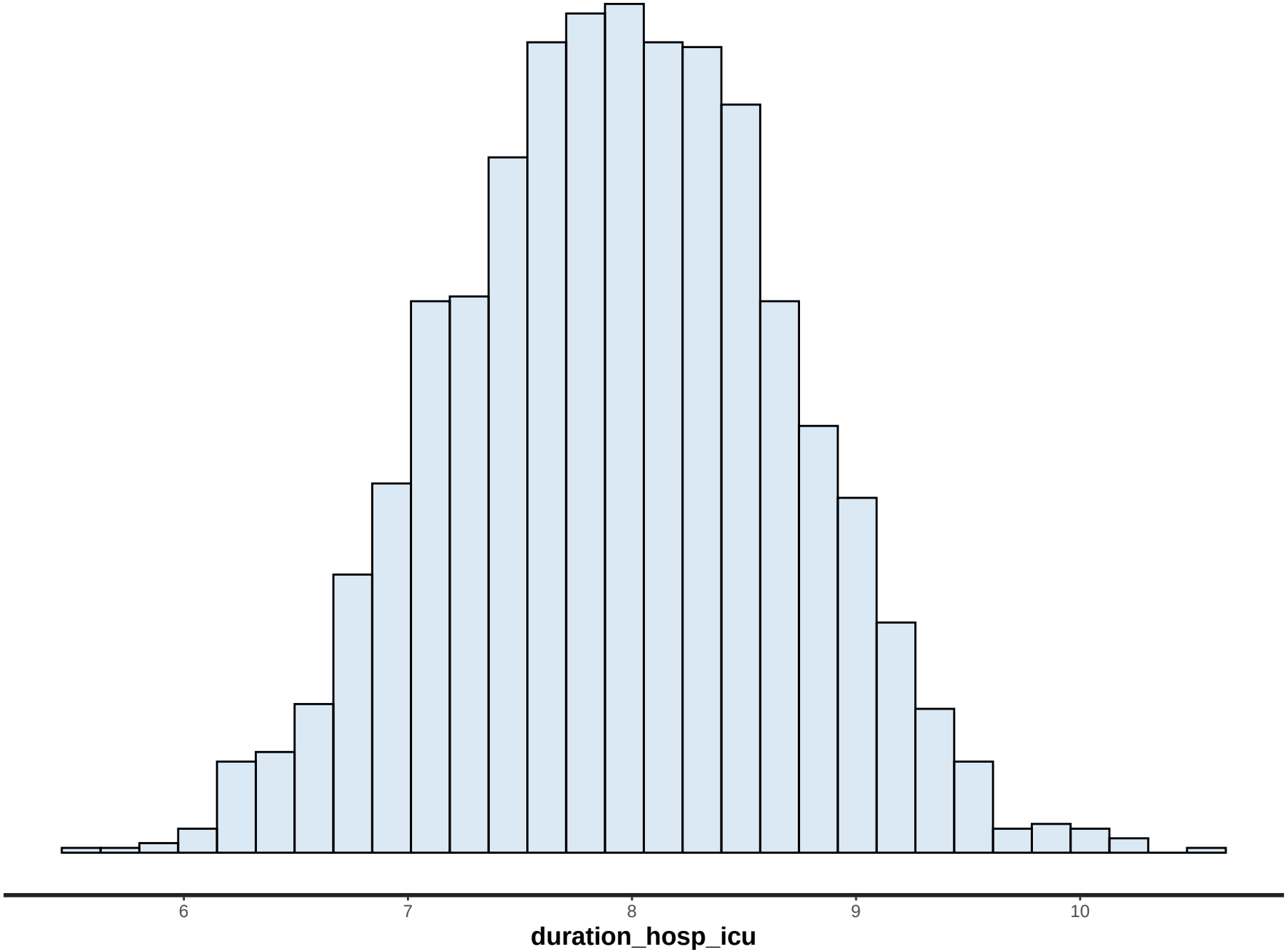

1.6
2.0
2.4
2.8
3.2
r0

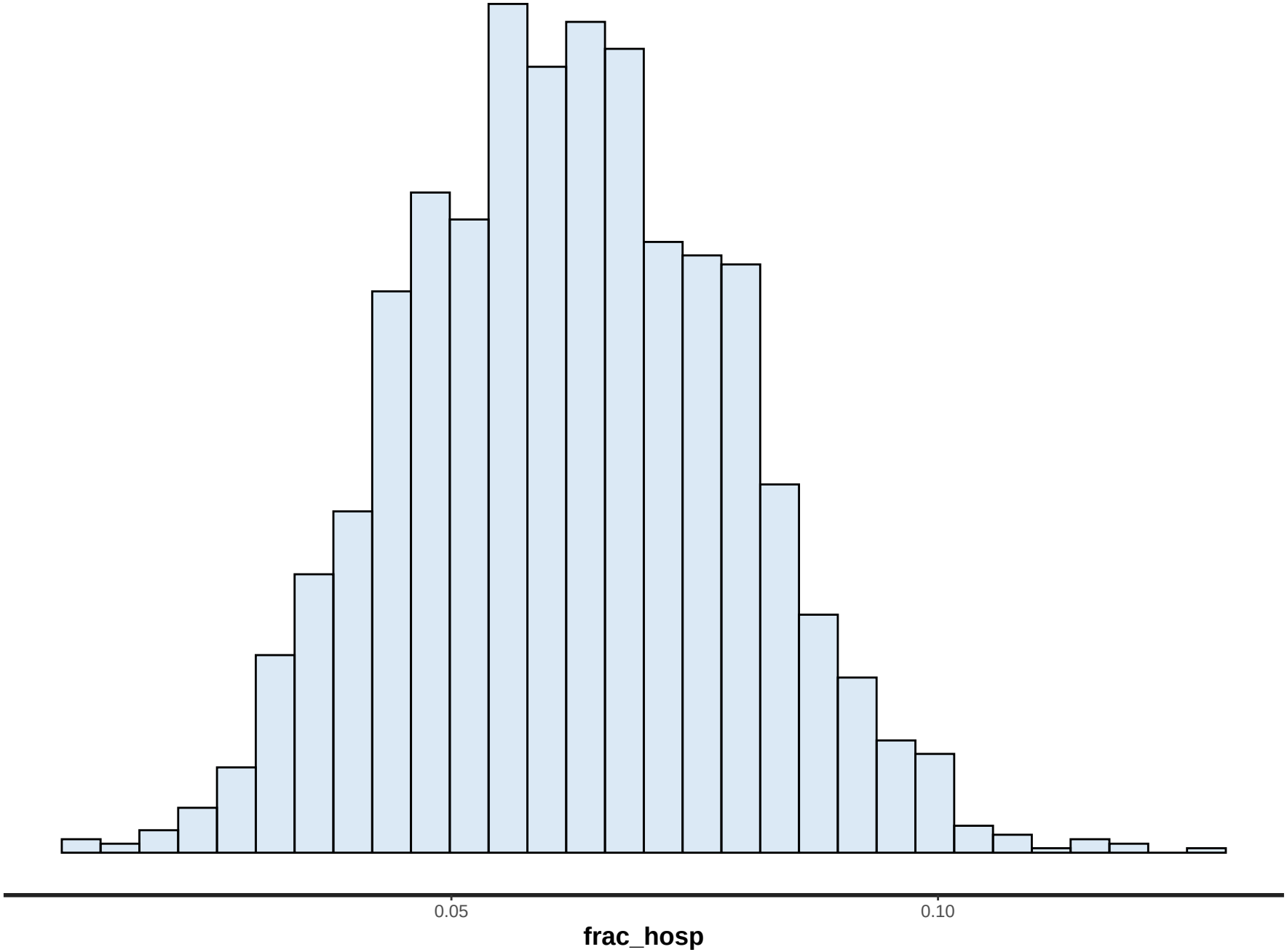

1
2
3
4
duration_latent

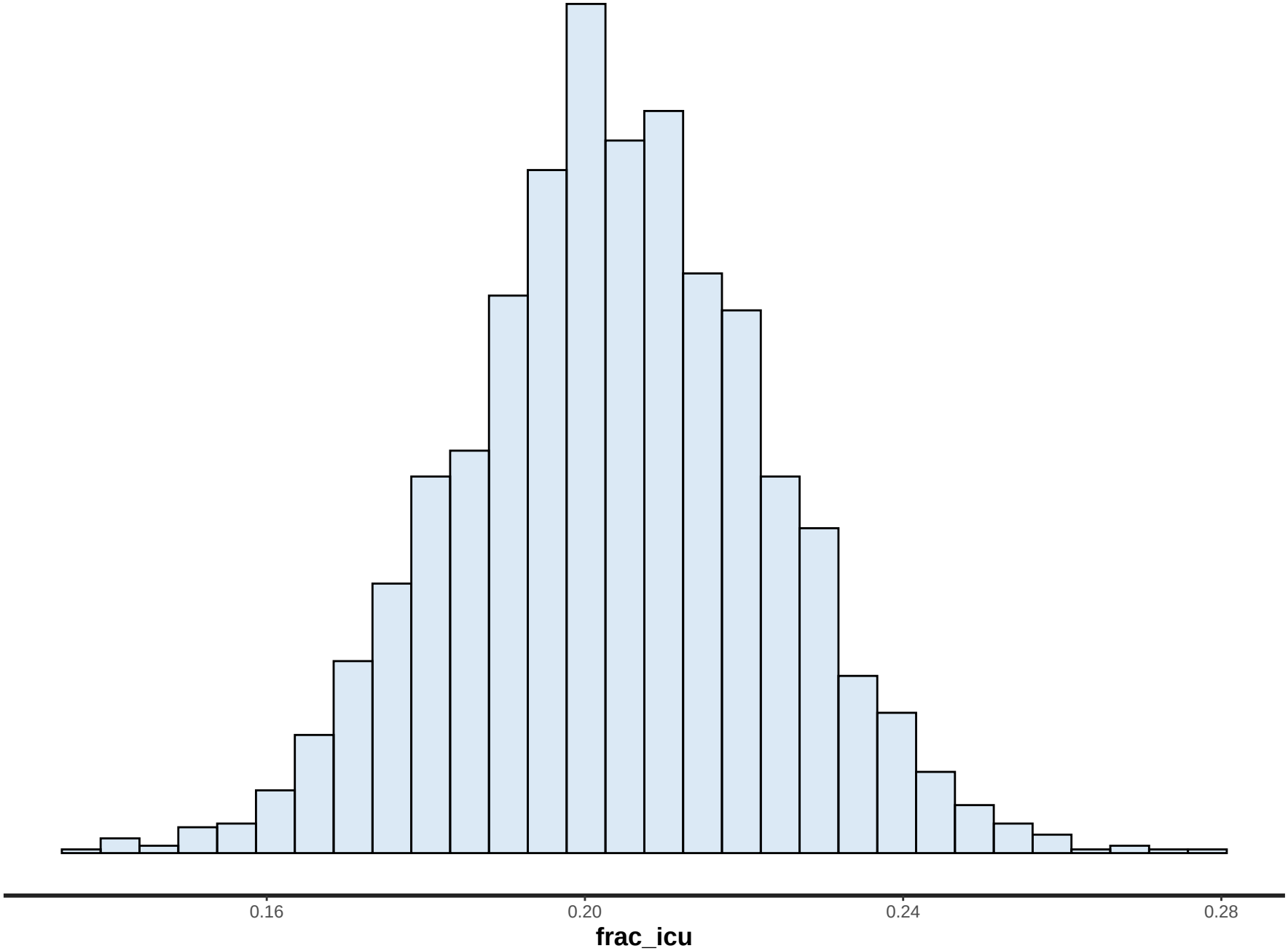

2
4
6
8
duration_rec_mild

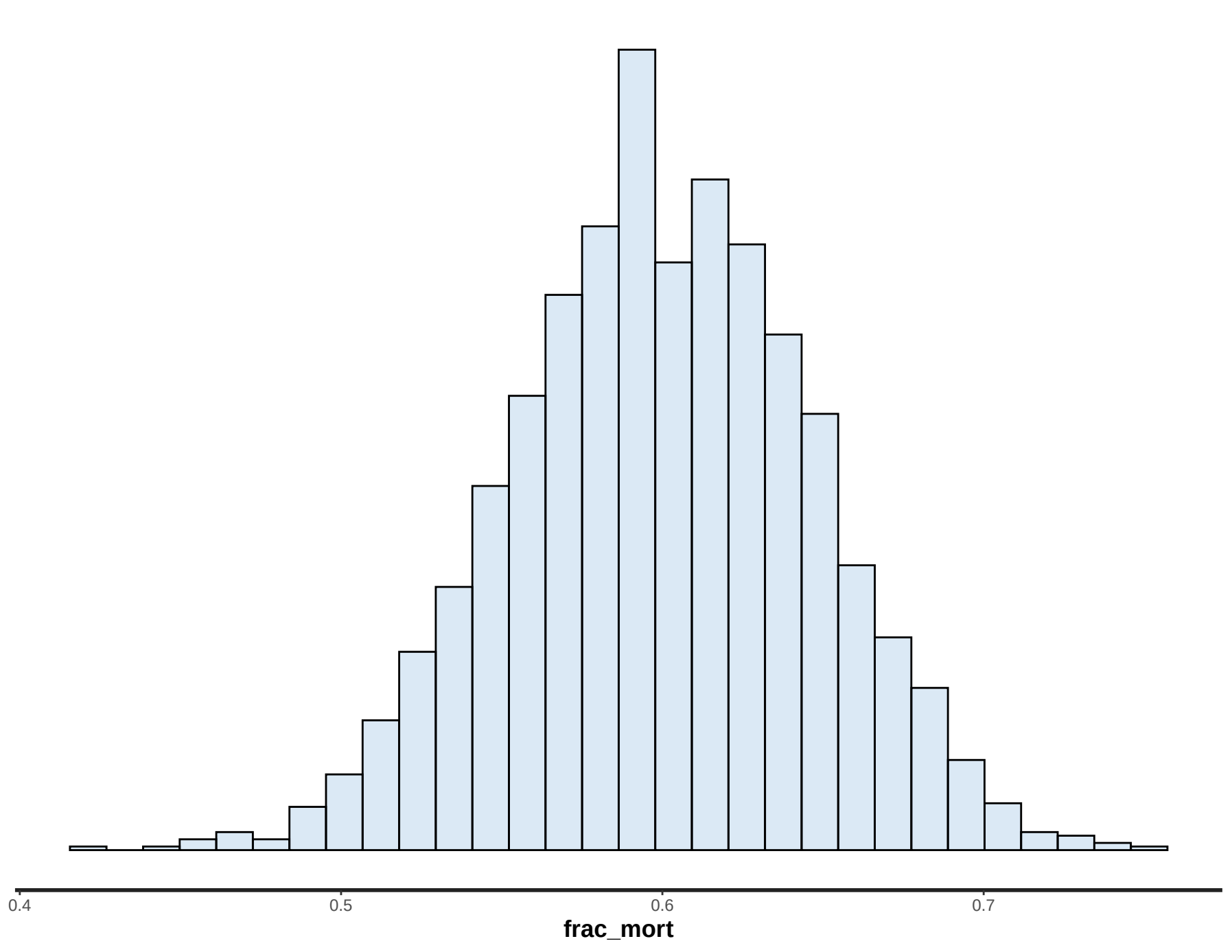

3
6
9
12
duration_pre_hosp

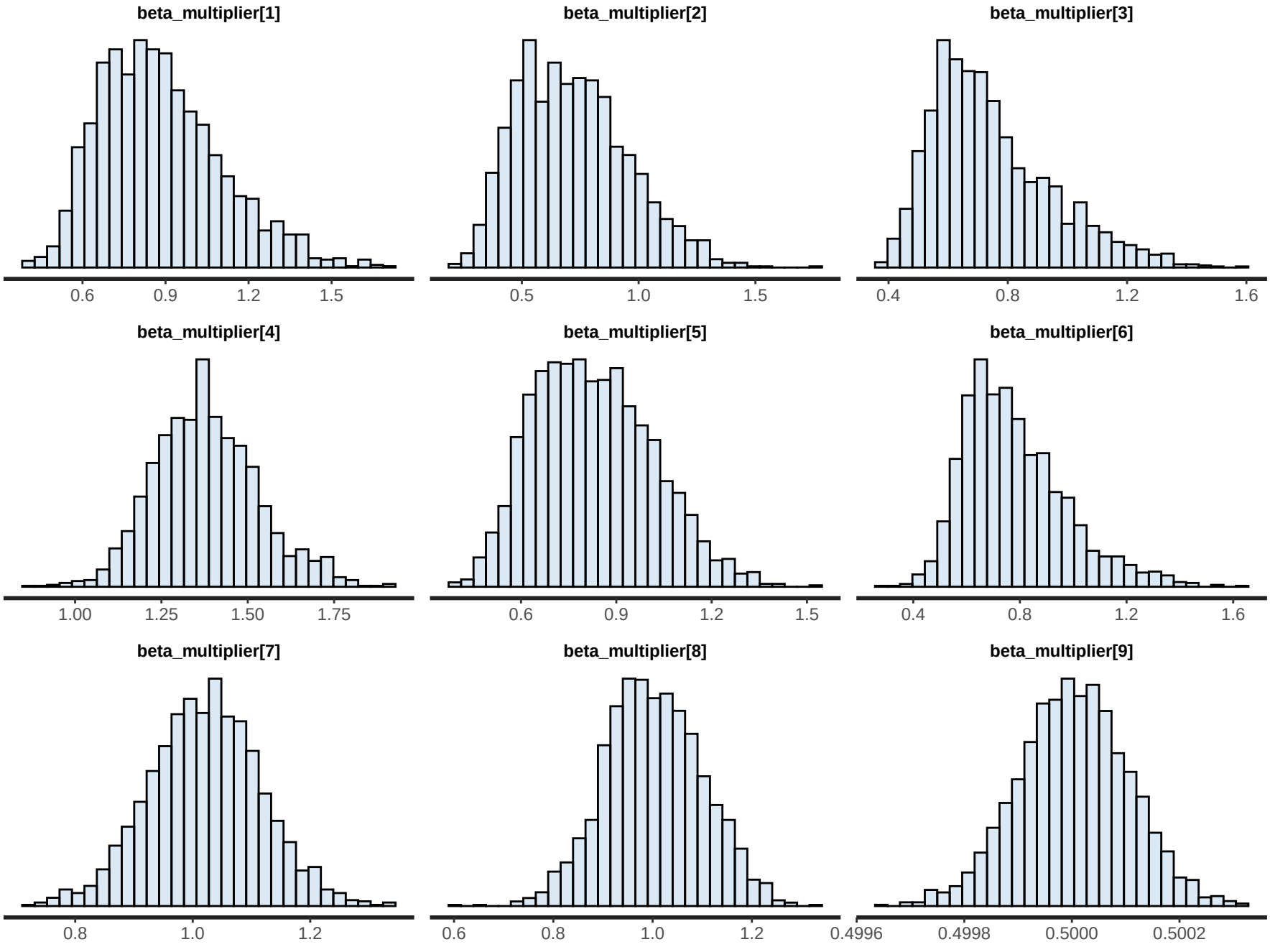

2
3
4
5
duration_hosp_mod

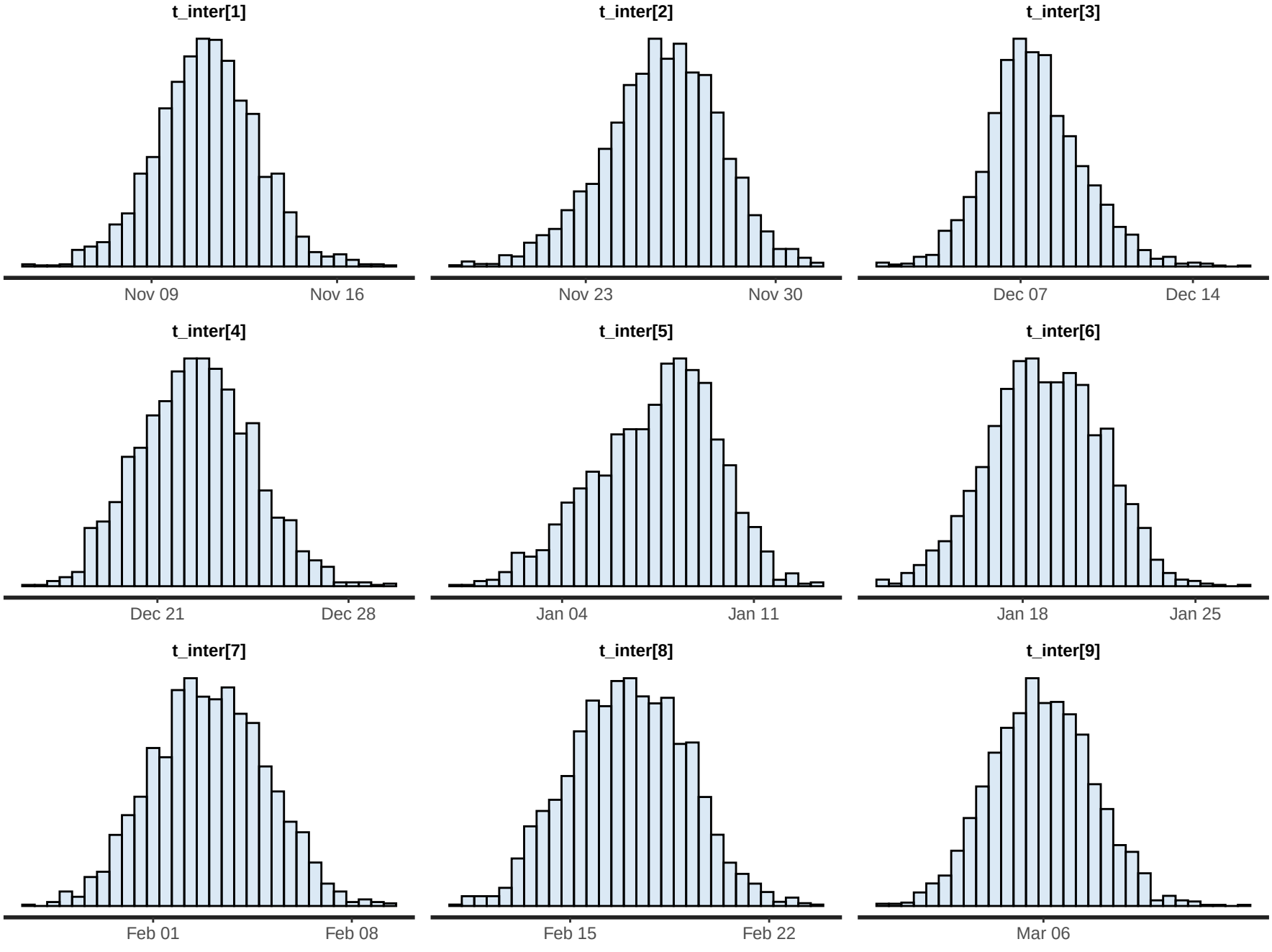

6
7
8
9
10
duration_hosp_icu

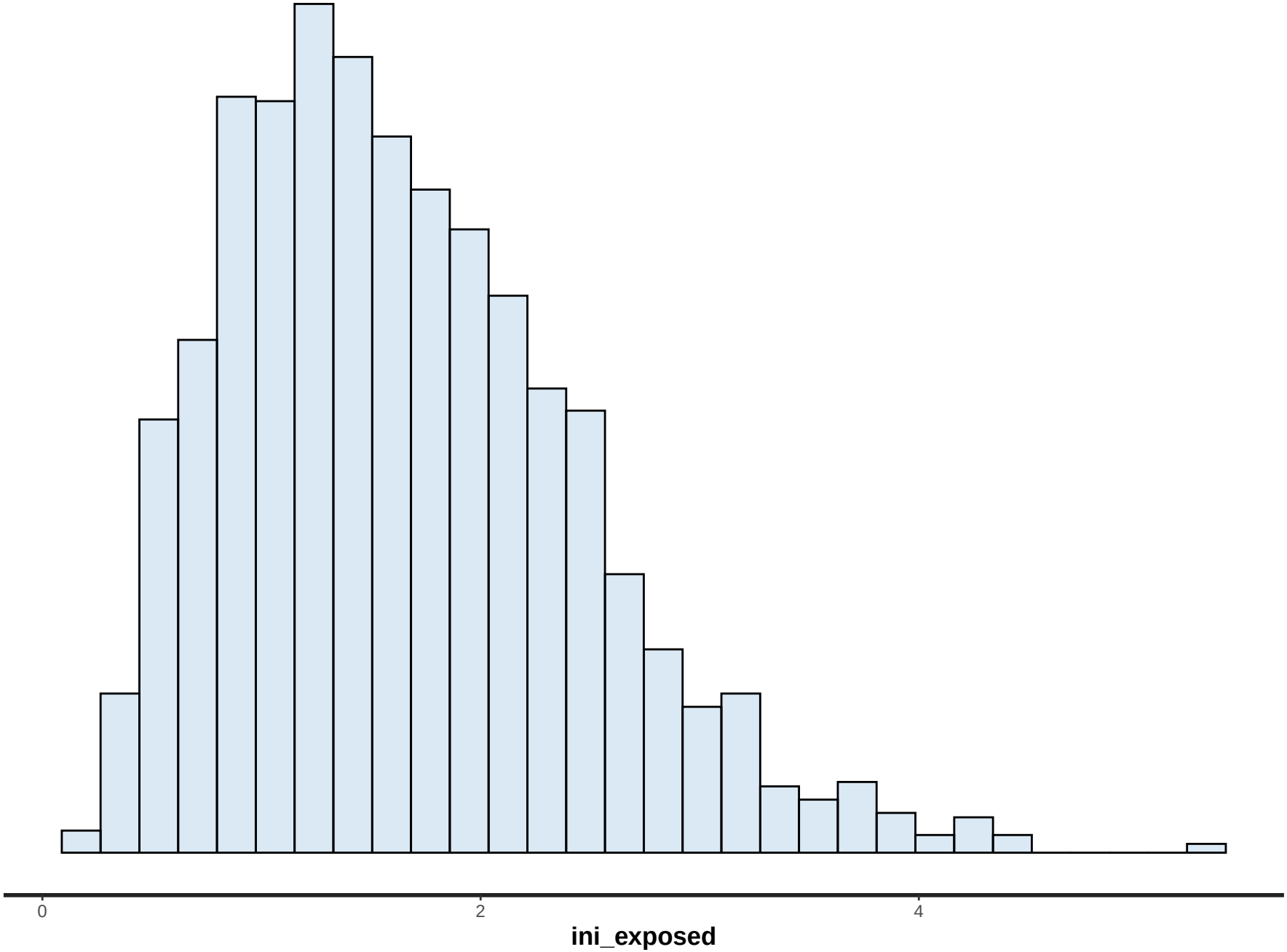

0.05
0.10
frac_hosp

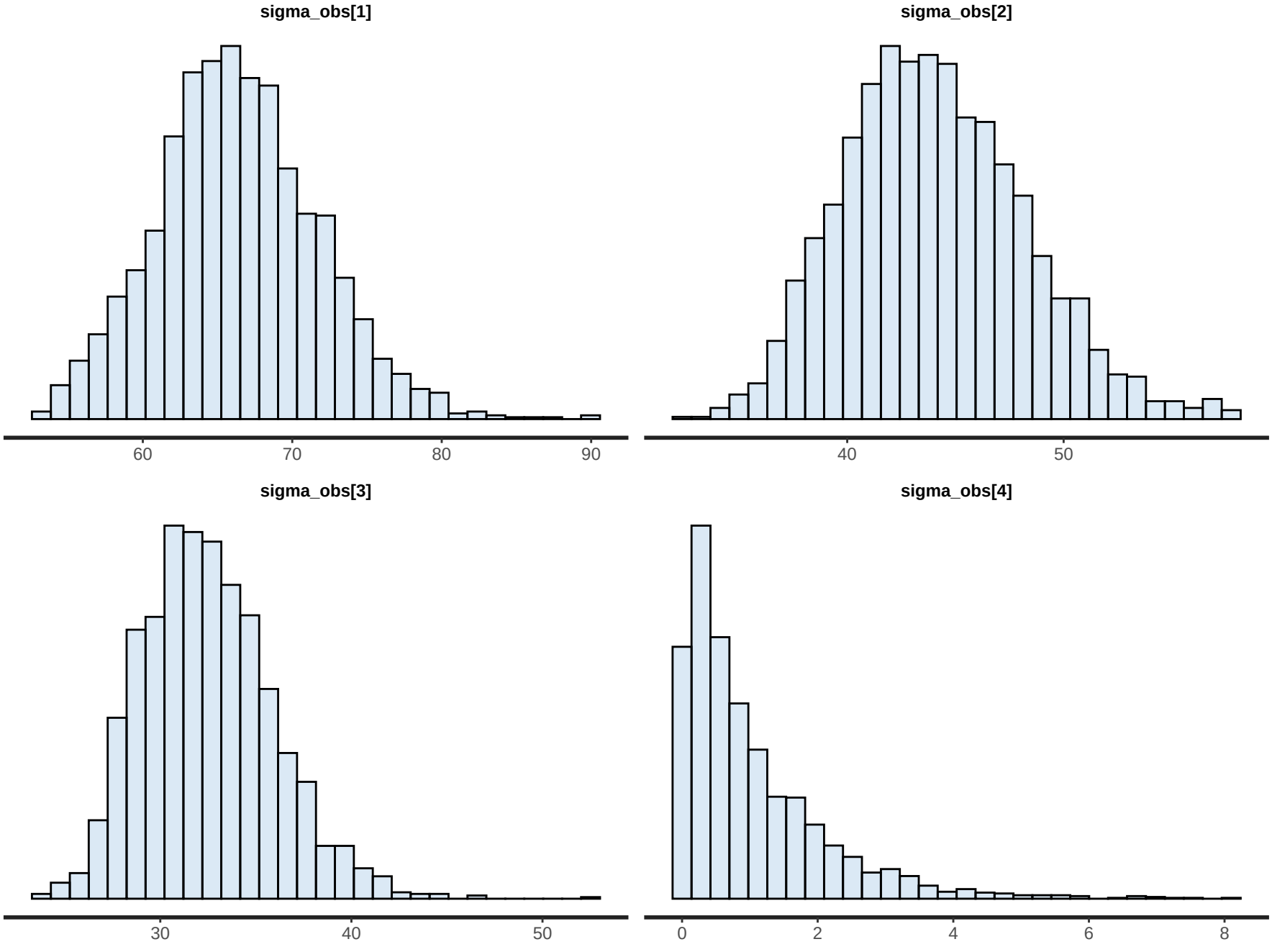

0.16
0.20
0.24
0.28
frac_icu


0.4
0.5
0.6
0.7
frac_mort


beta_multiplier[1]
0.6
0.9
1.2
1.5
beta_multiplier[2]
0.5
1.0
1.5
beta_multiplier[3]
0.4
0.8
1.2
1.6
beta_multiplier[4]
1.00
1.25
1.50
1.75
beta_multiplier[5]
0.6
0.9
1.2
1.5
beta_multiplier[6]
0.4
0.8
1.2
1.6
beta_multiplier[7]
0.8
1.0
1.2
beta_multiplier[8]
0.6
0.8
1.0
1.2
beta_multiplier[9]
0.4996
0.4998
0.5000
0.5002


t_inter[1]
Nov 09
Nov 16
t_inter[2]
Nov 23
Nov 30
t_inter[3]
Dec 07
Dec 14
t_inter[4]
Dec 21
Dec 28
t_inter[5]
Jan 04
Jan 11
t_inter[6]
Jan 18
Jan 25
t_inter[7]
Feb 01
Feb 08
t_inter[8]
Feb 15
Feb 22
t_inter[9]
Mar 06


0
2
4
ini_exposed


sigma_obs[1]
60
70
80
90
sigma_obs[2]
40
50
sigma_obs[3]
30
40
50
sigma_obs[4]
0
2
4
6
8