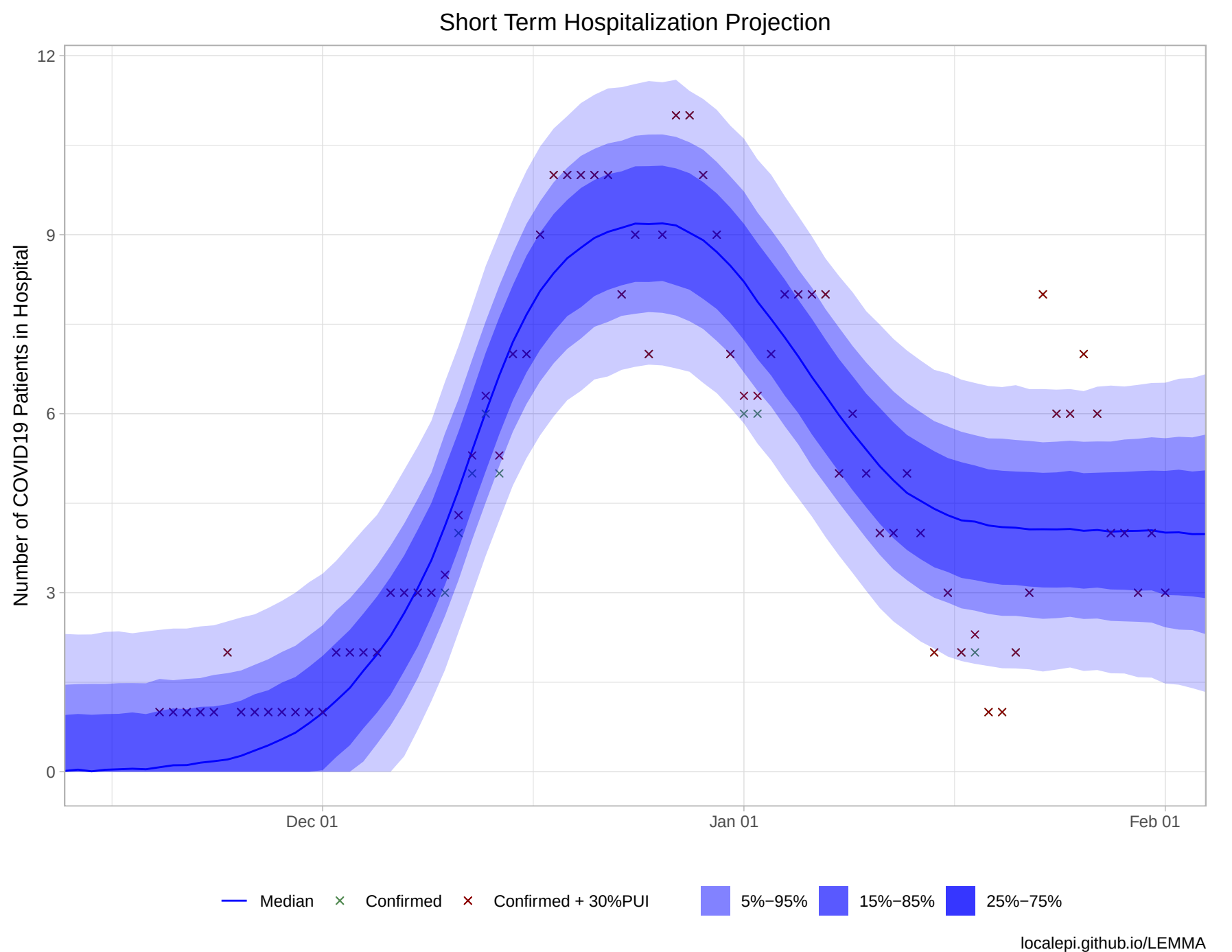
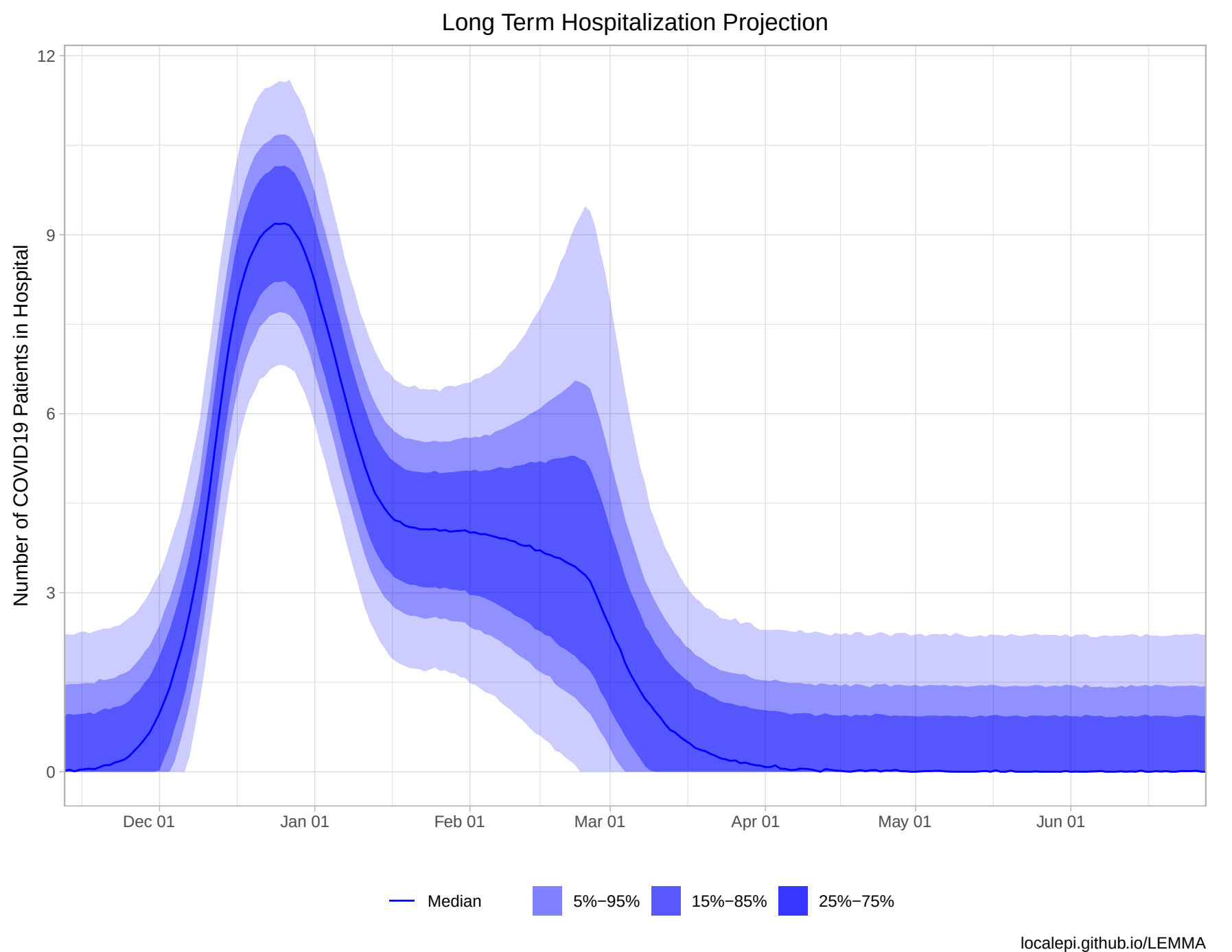
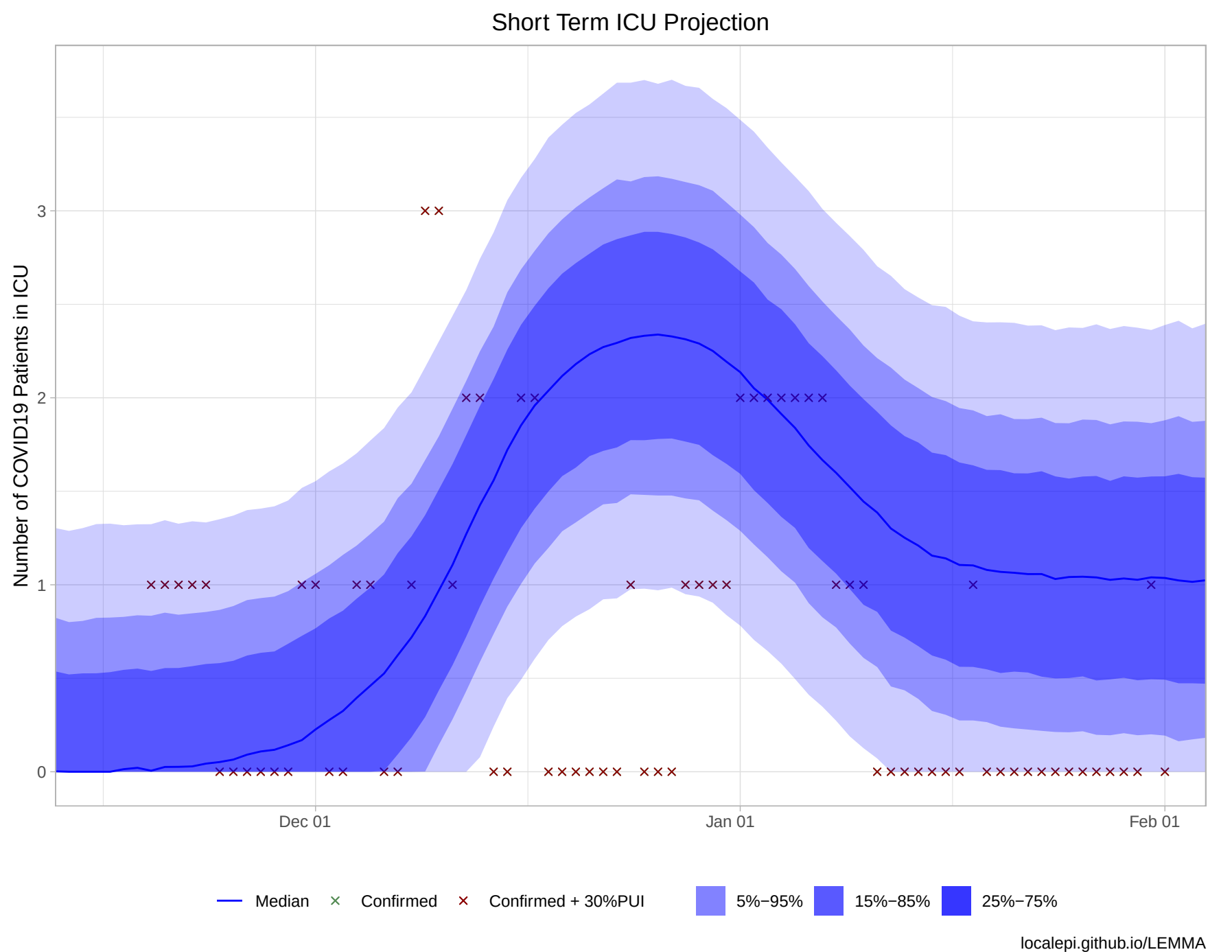
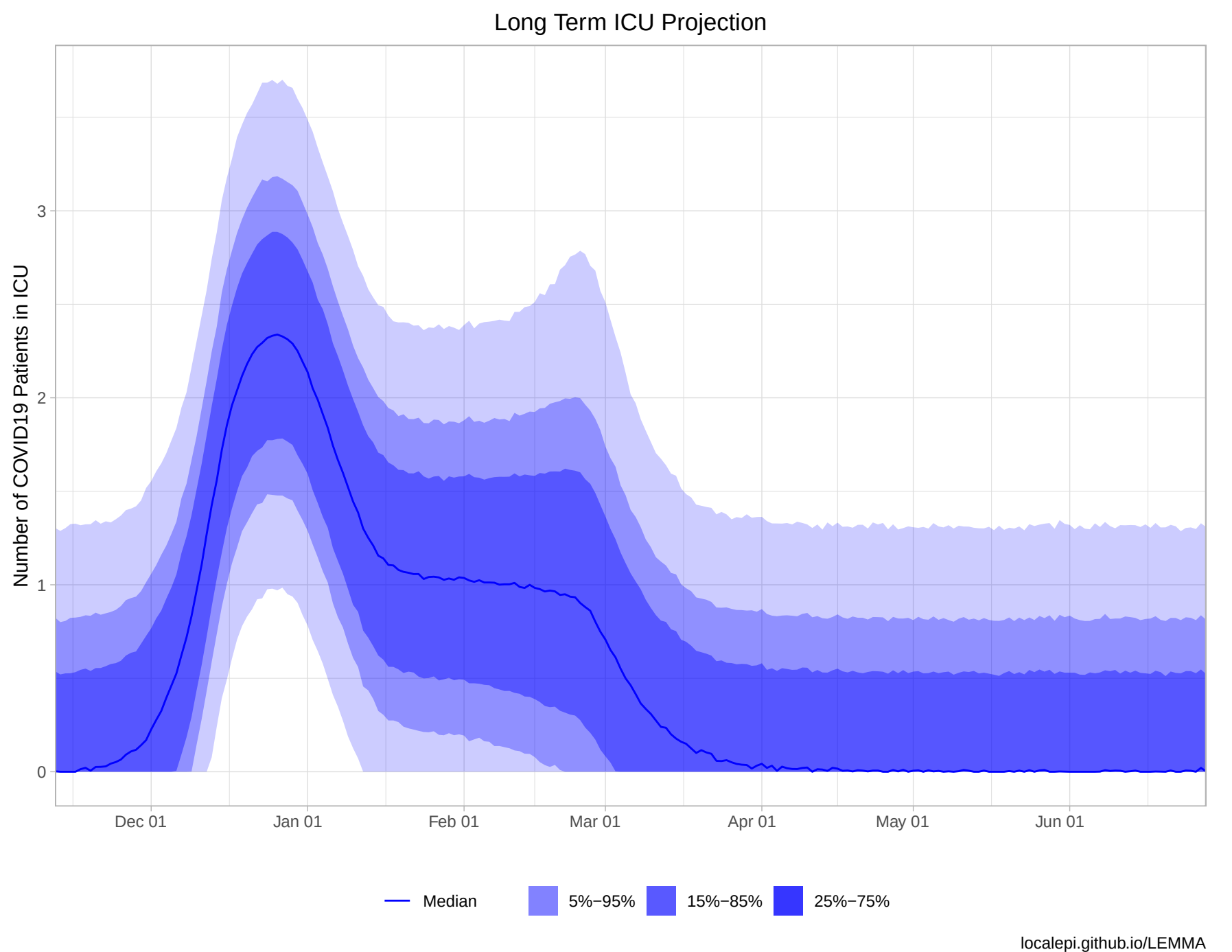
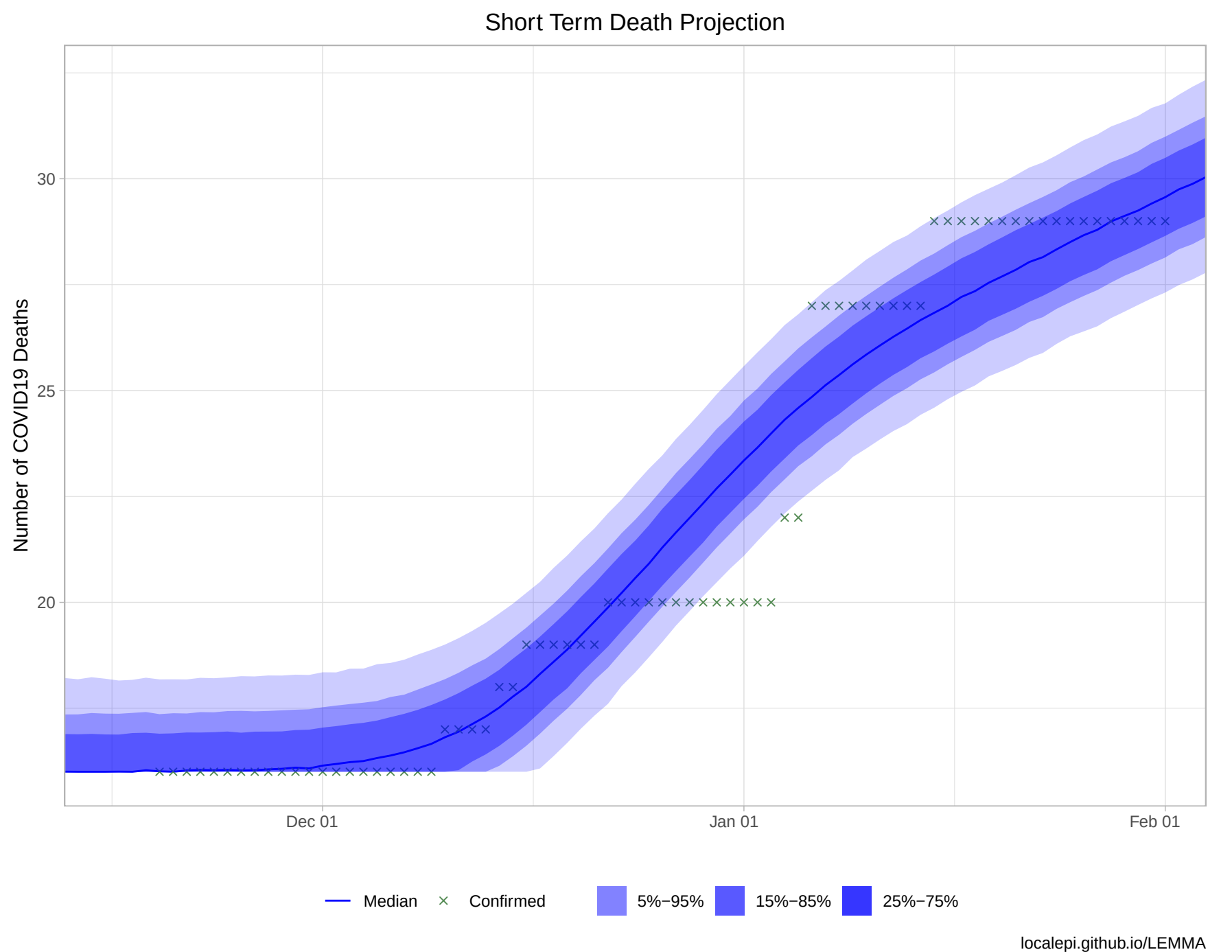
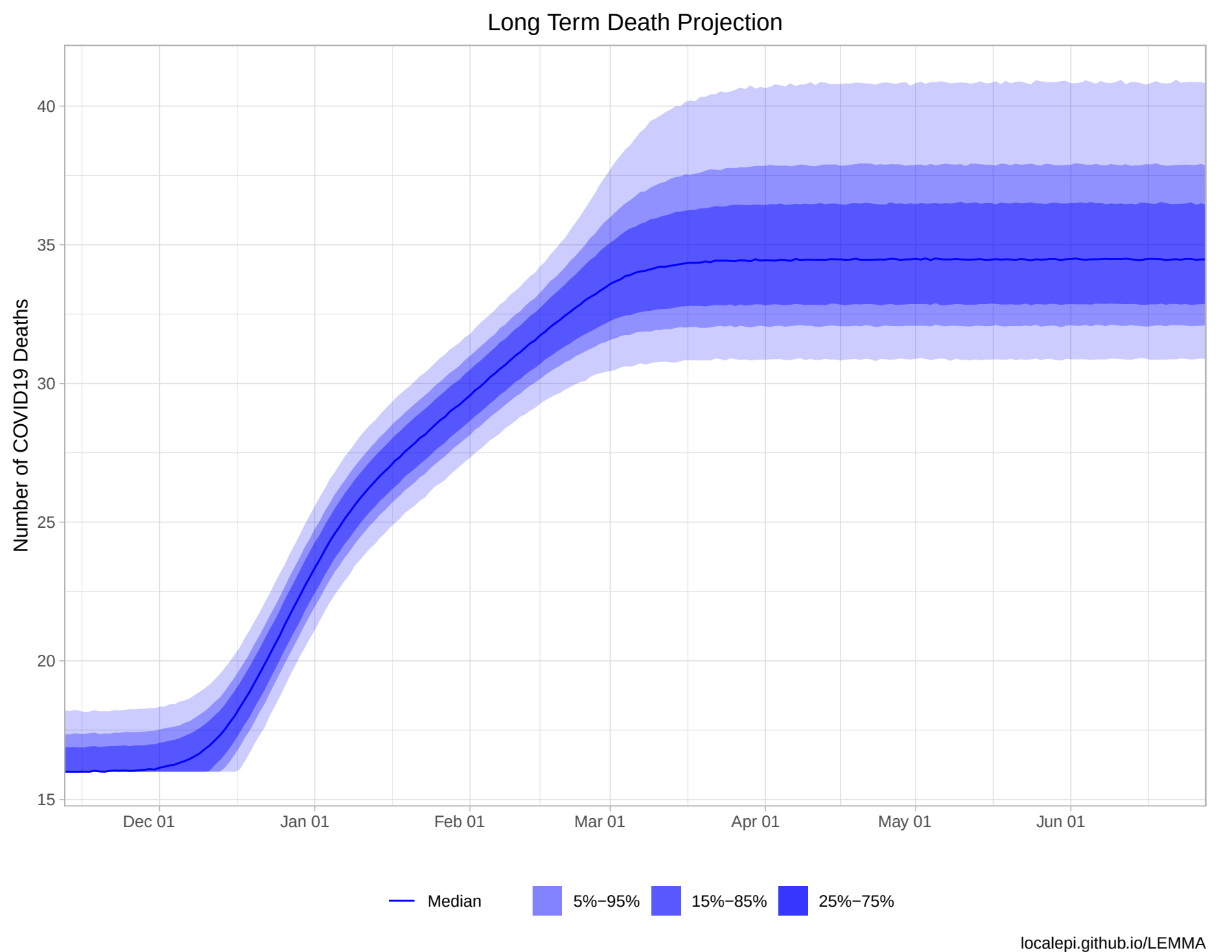

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
12
9
6
3
0
Dec 01
Jan 01
Feb 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

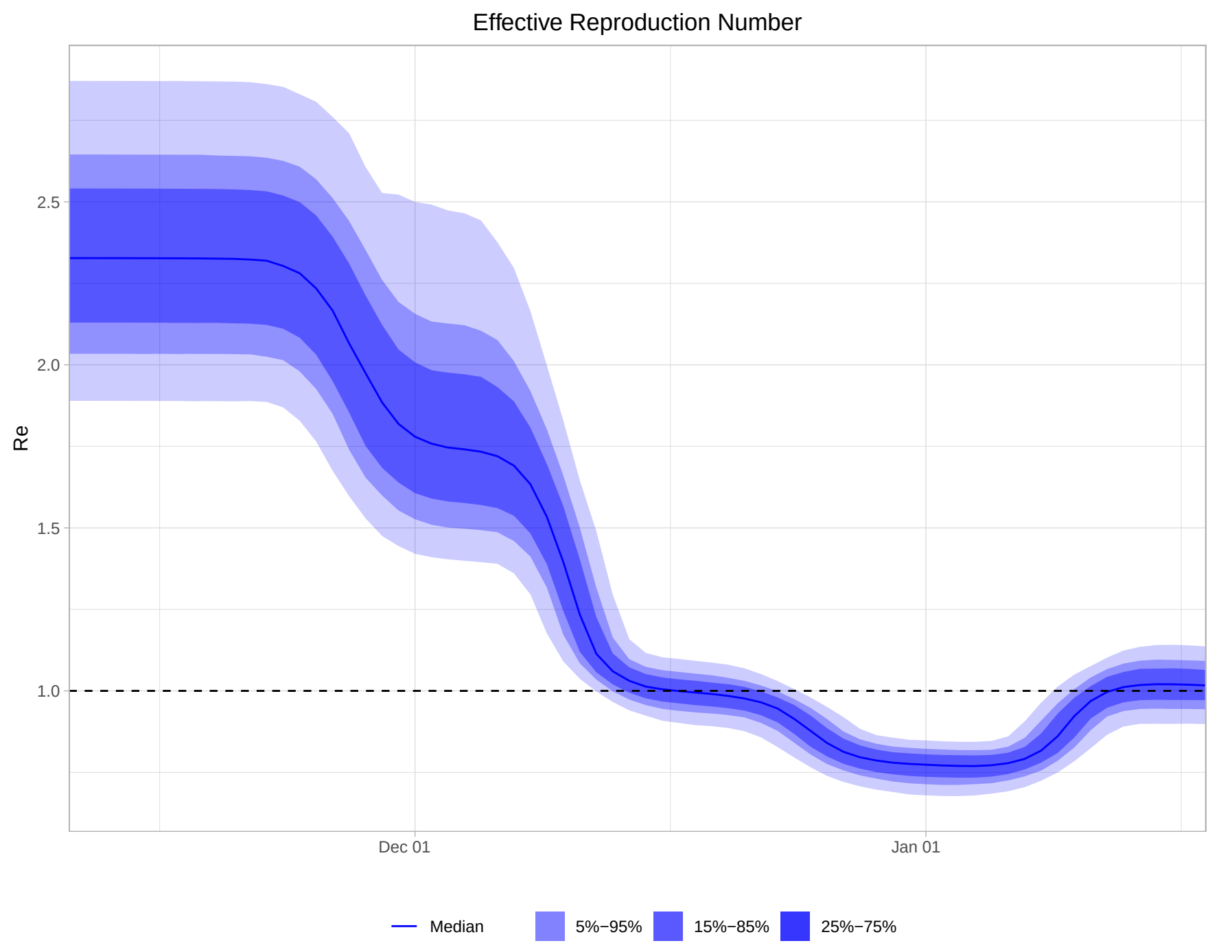

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
12
9
6
3
0
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
0
1
2
3
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
1
2
3
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

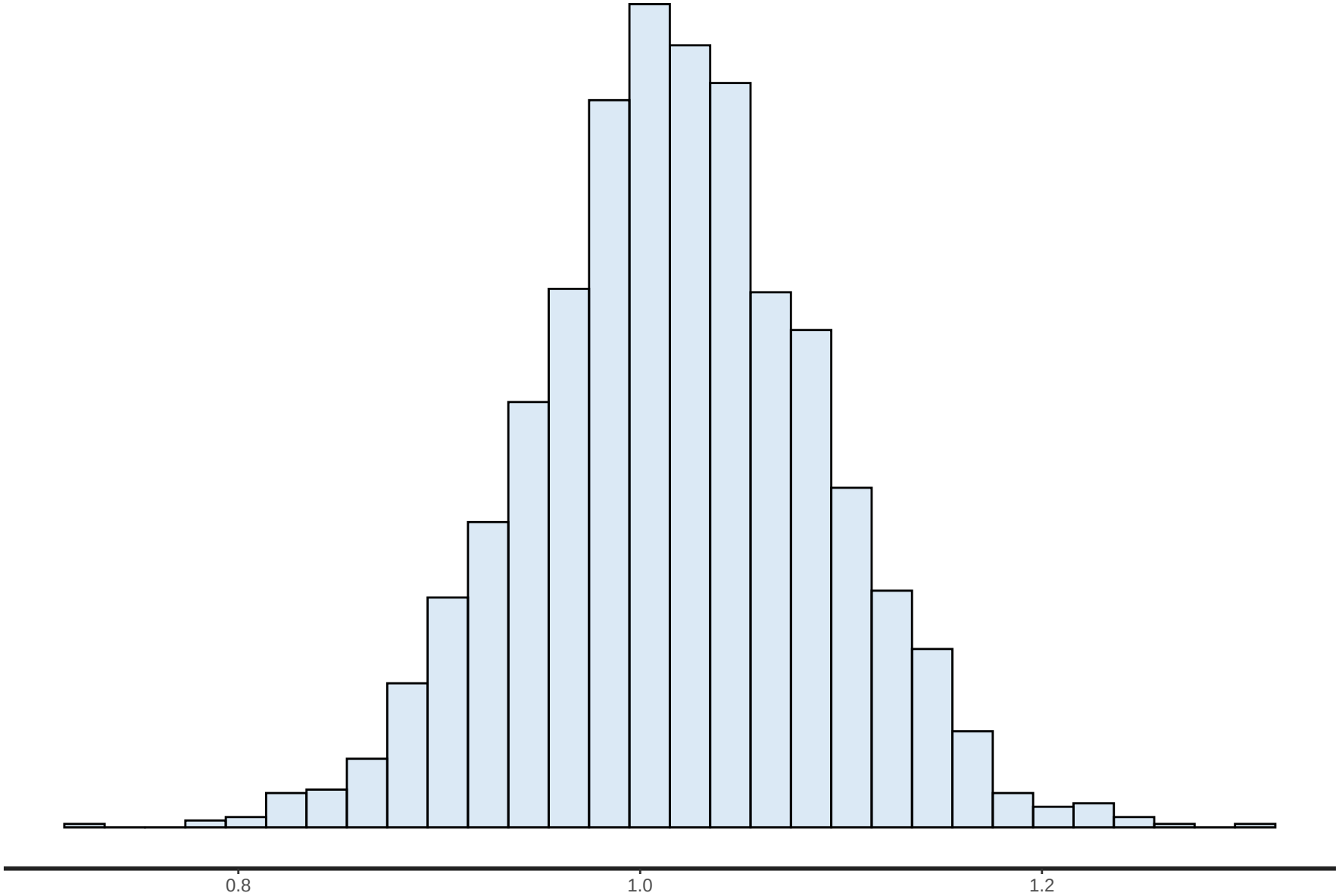

Short Term Death Projection
Number of COVID19 Deaths
30
25
20
Dec 01
Jan 01
Feb 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

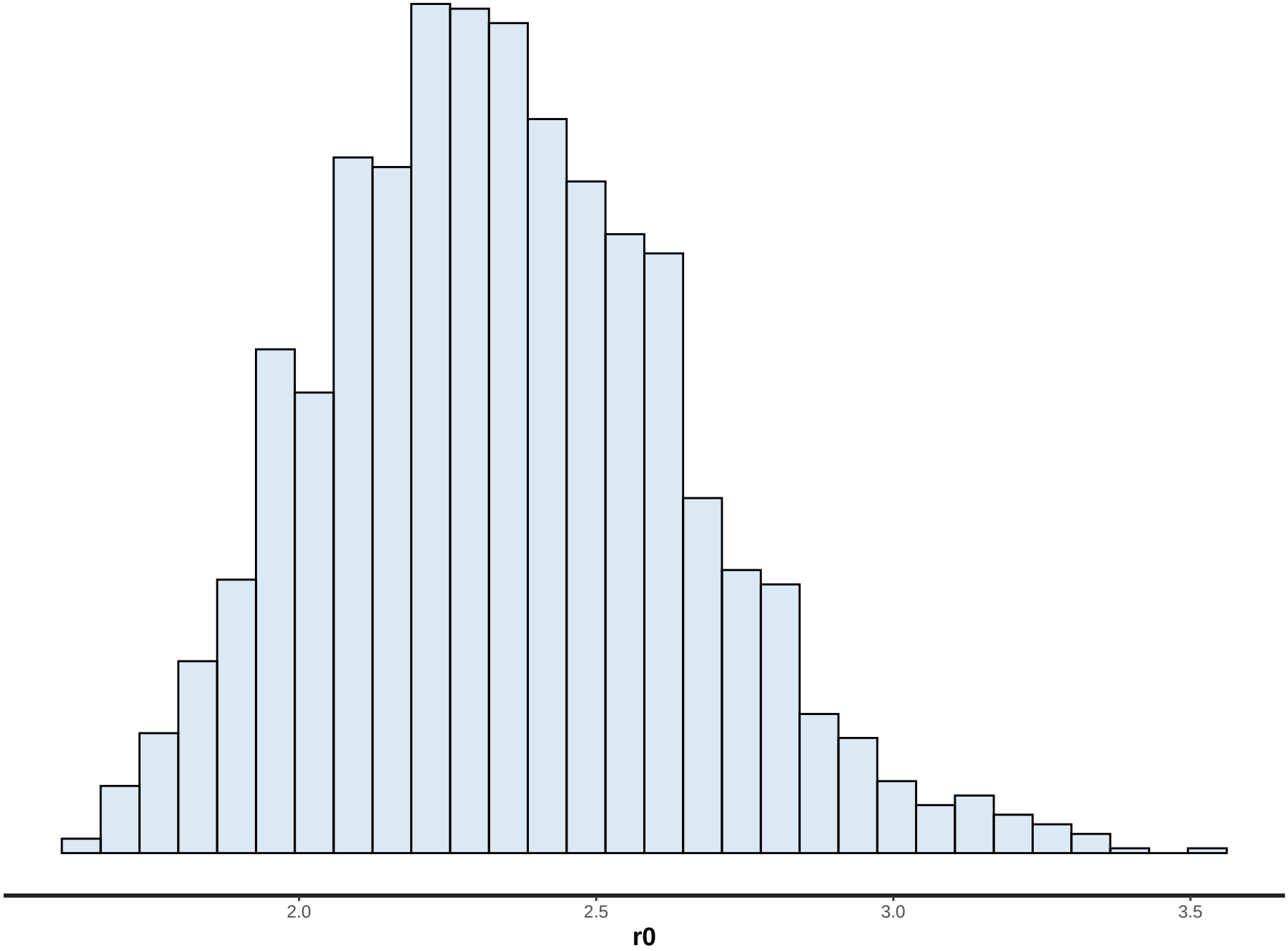

Long Term Death Projection
Number of COVID19 Deaths
40
35
30
25
20
15
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

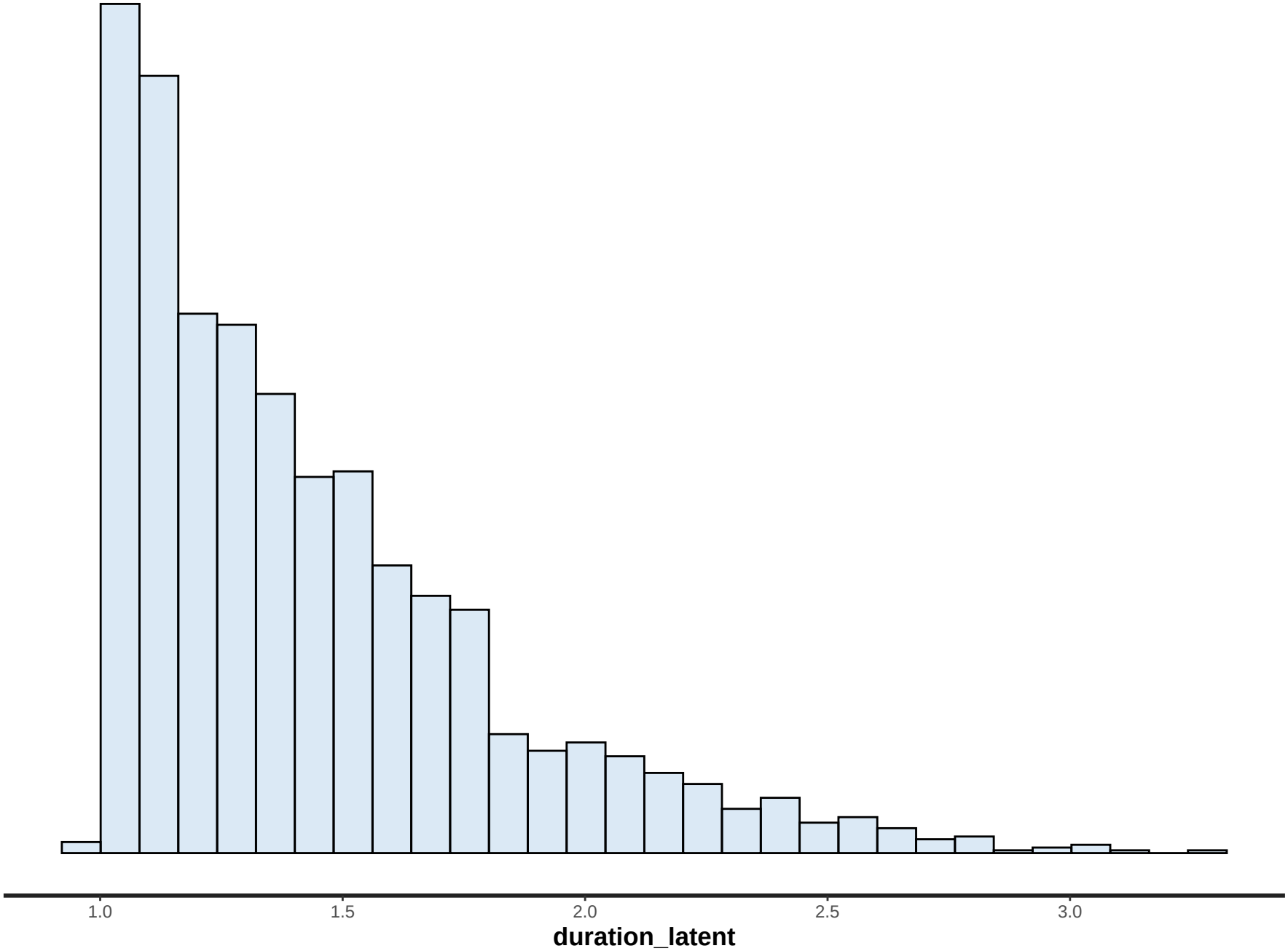

Effective Reproduction Number
Re
2.5
2.0
1.5
1.0
Dec 01
Jan 01
Median
5%−95%
15%−85%
25%−75%

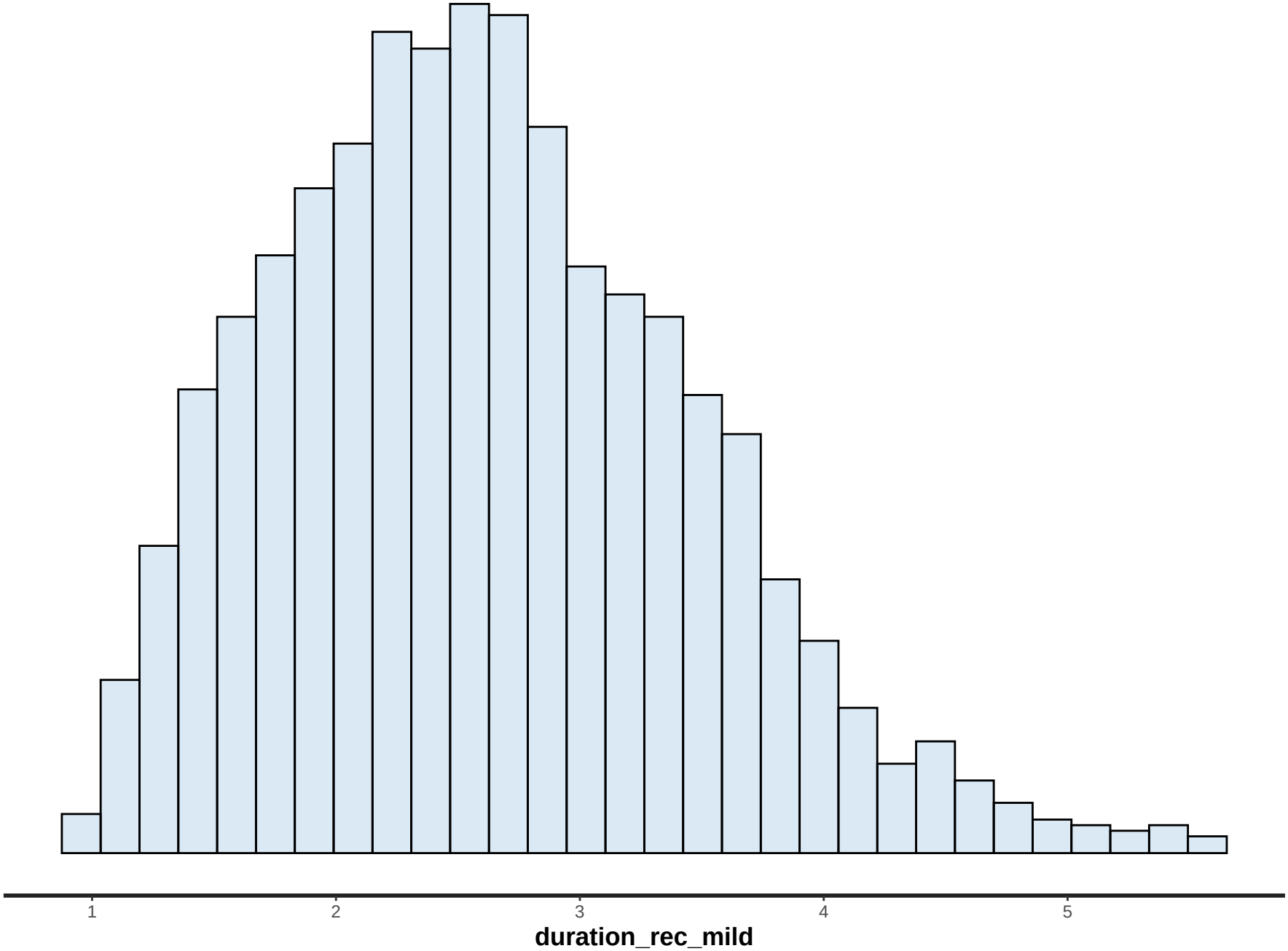
Rt as of 2021−01−18

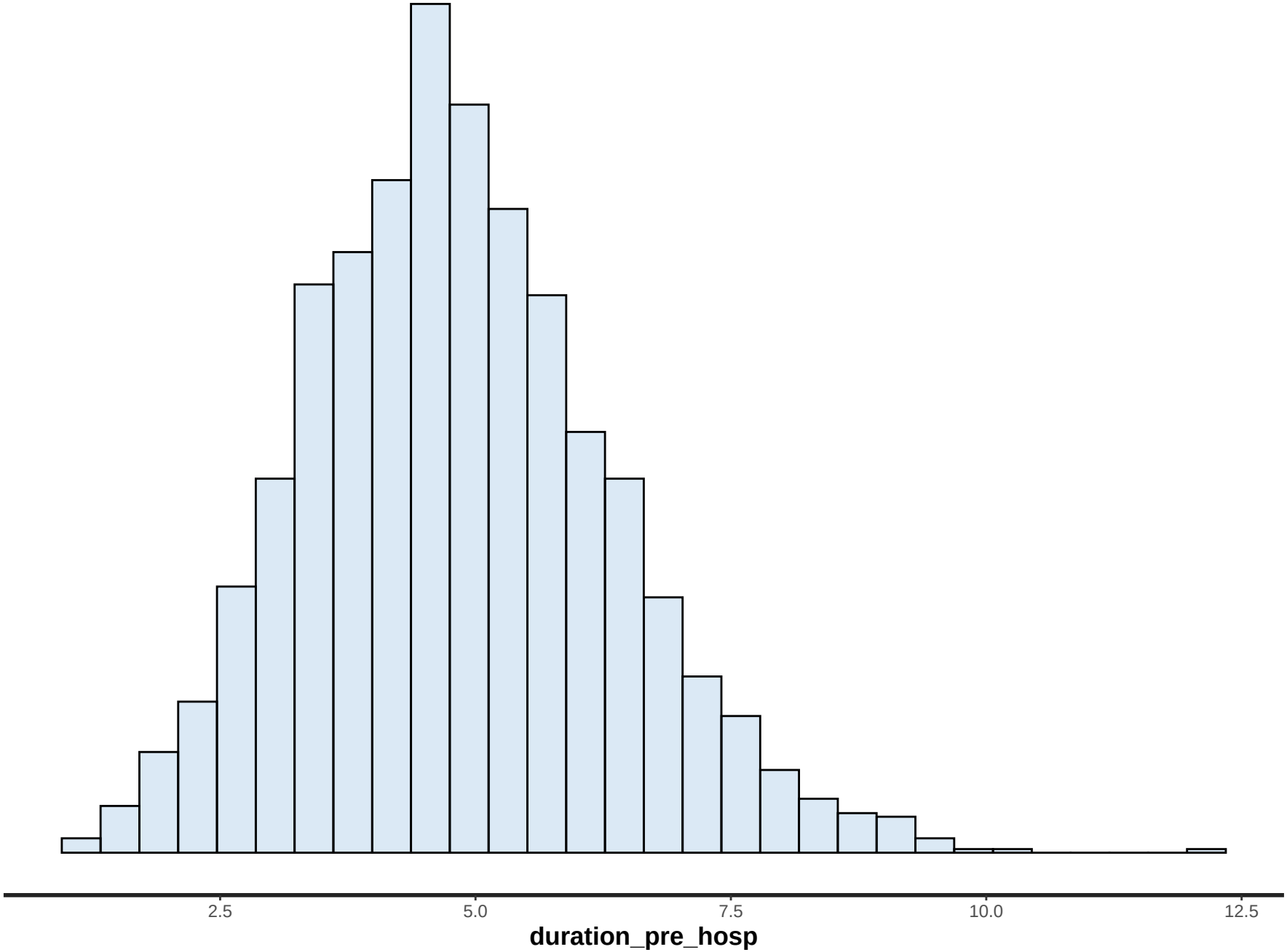
5%	10%	25%	50%	75%	90%	95%
0.90	0.93	0.97	1.02	1.06	1.11	1.14

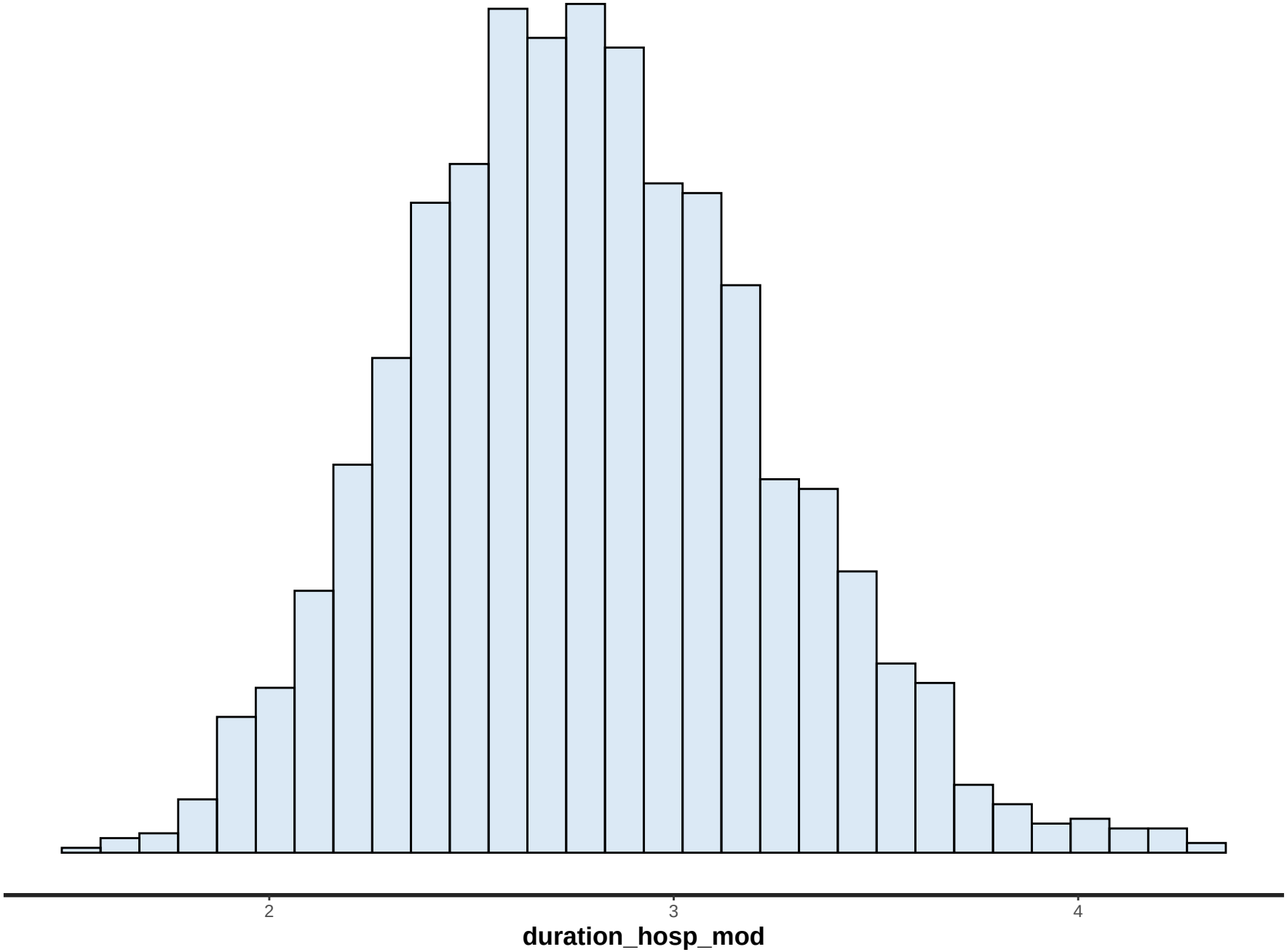


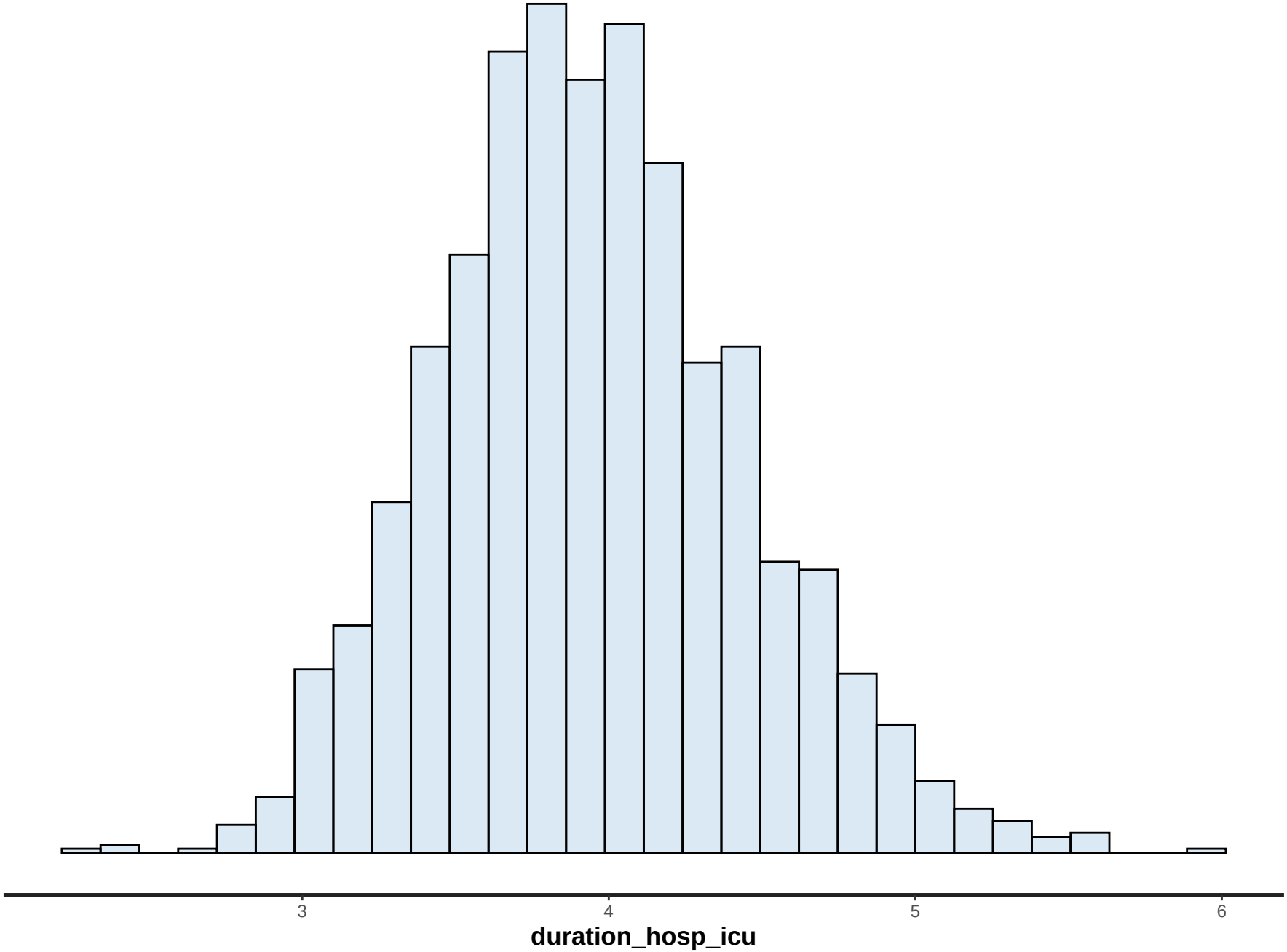

2.0
2.5
3.0
3.5
r0

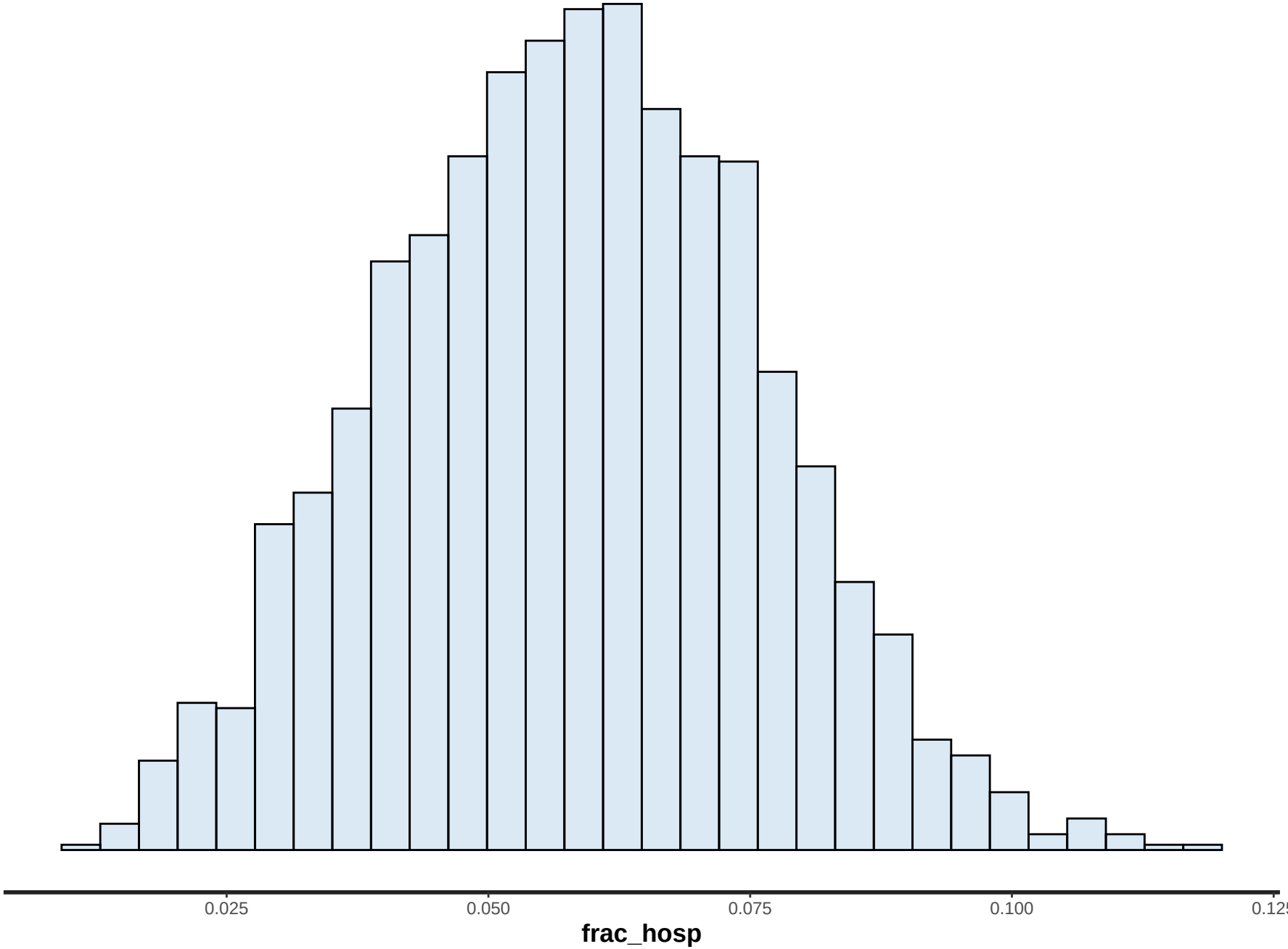

1.0
1.5
2.0
2.5
3.0
duration_latent

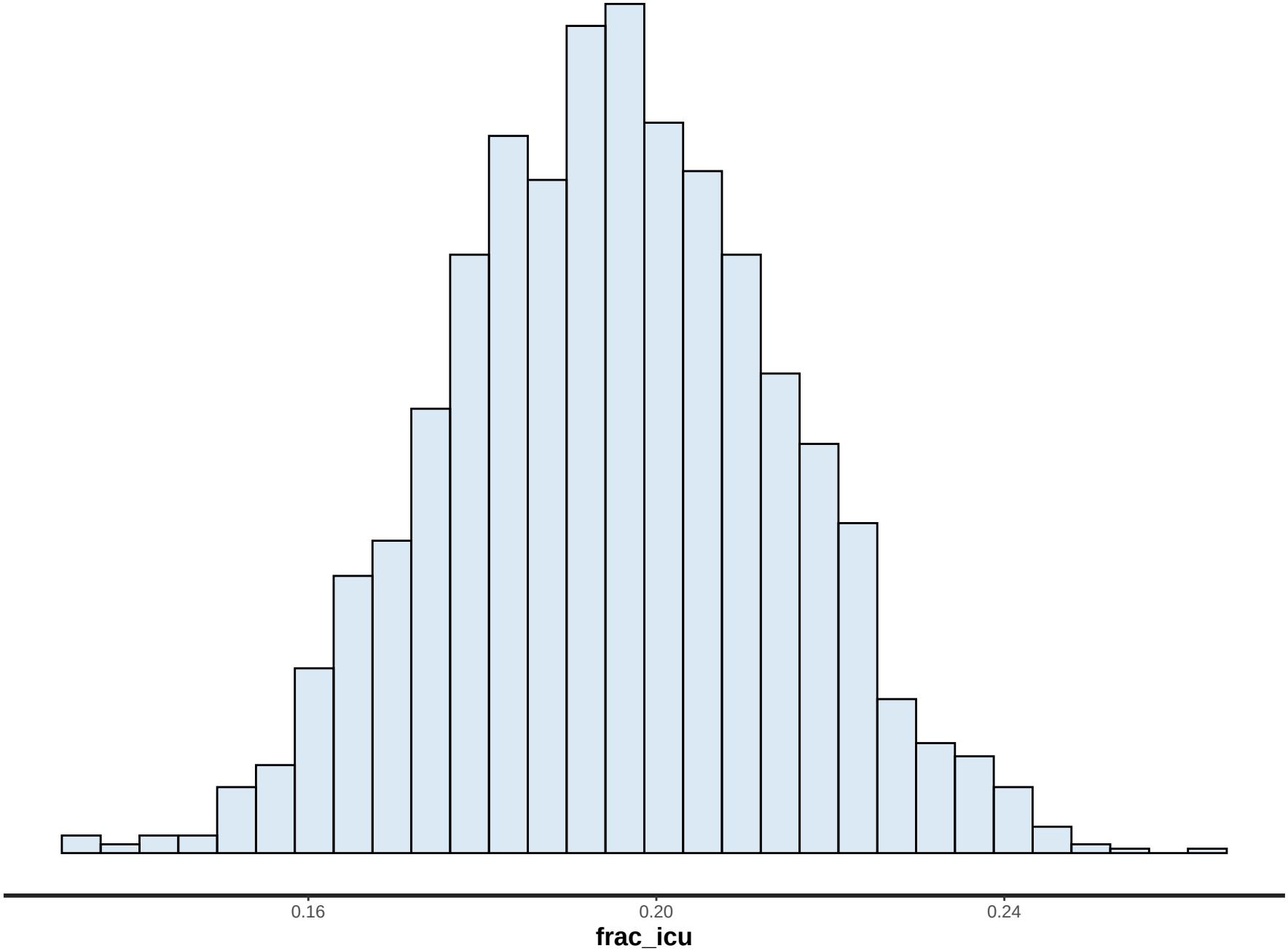

1
2
3
4
5
duration_rec_mild

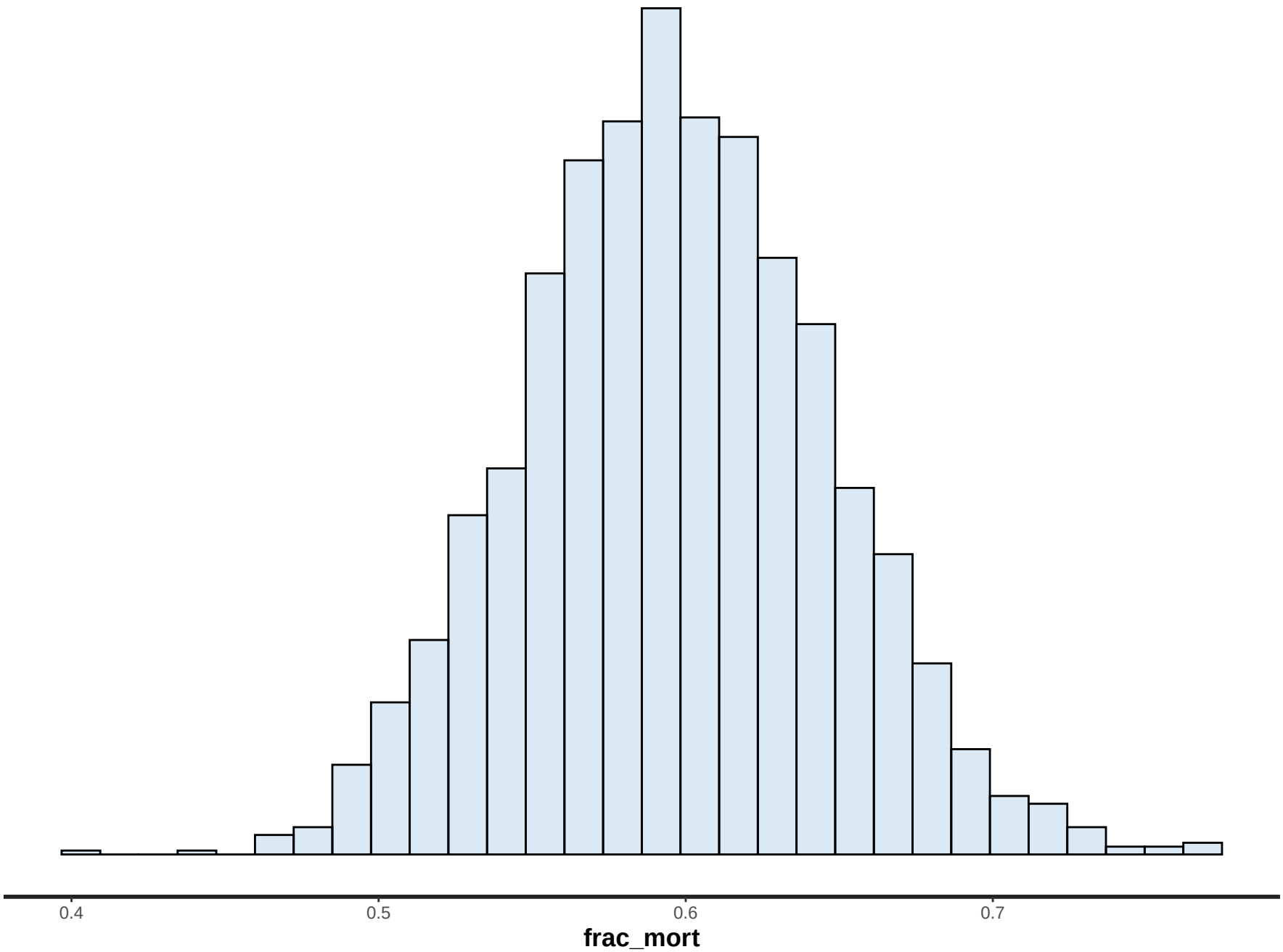

2.5
5.0
7.5
10.0
12.5
duration_pre_hosp

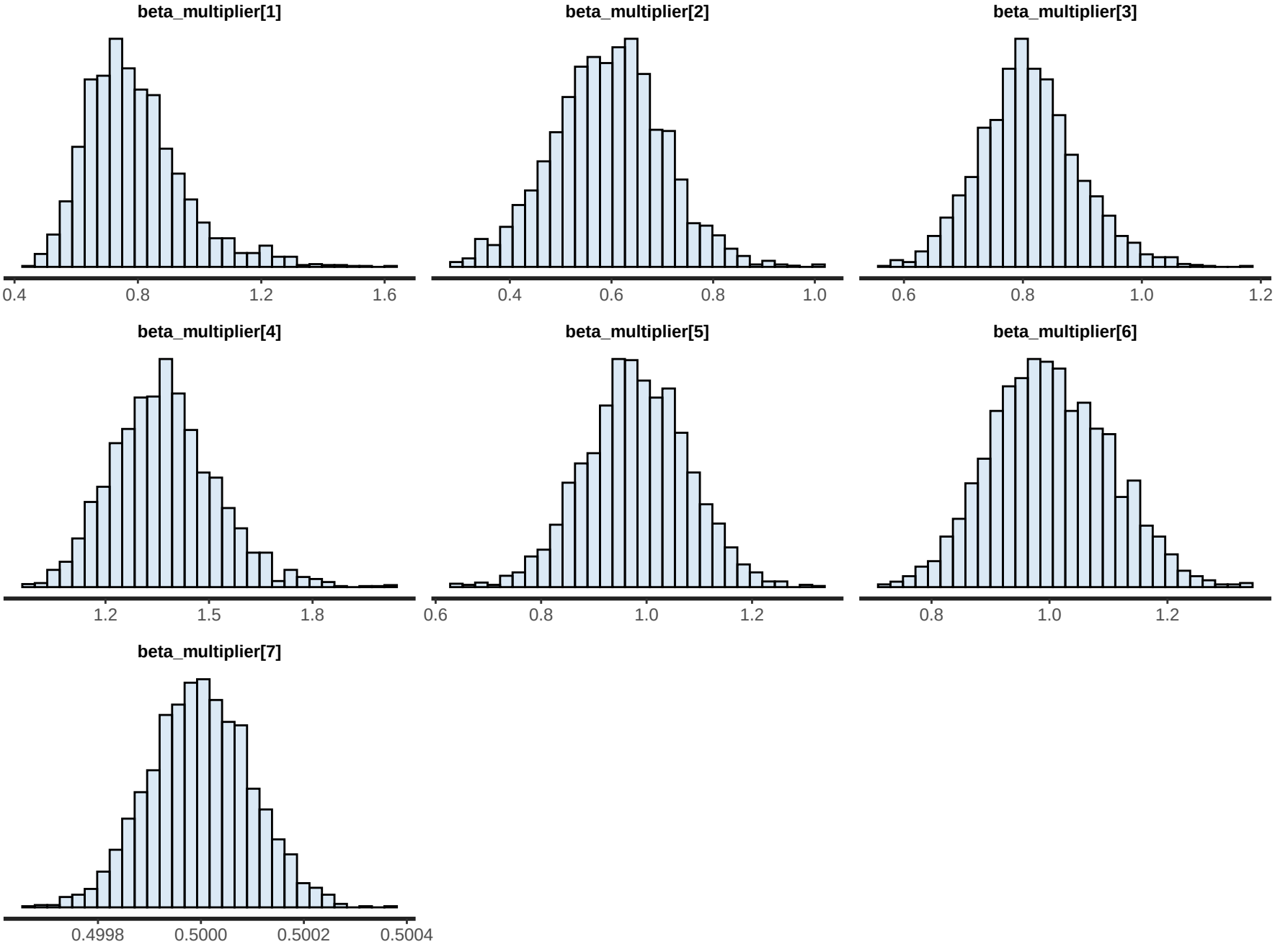

2
3
4
duration_hosp_mod

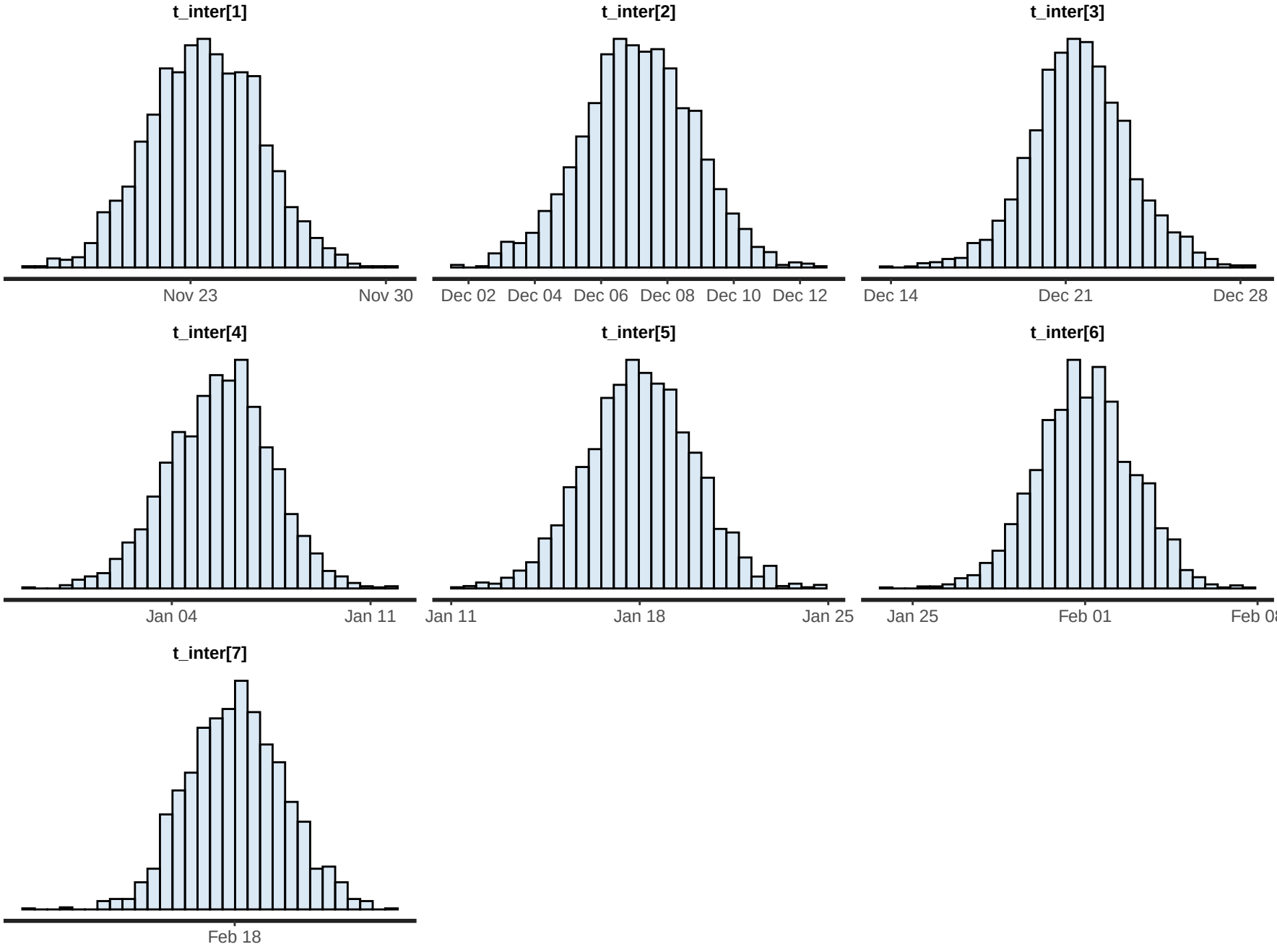

3
4
5
6
duration_hosp_icu

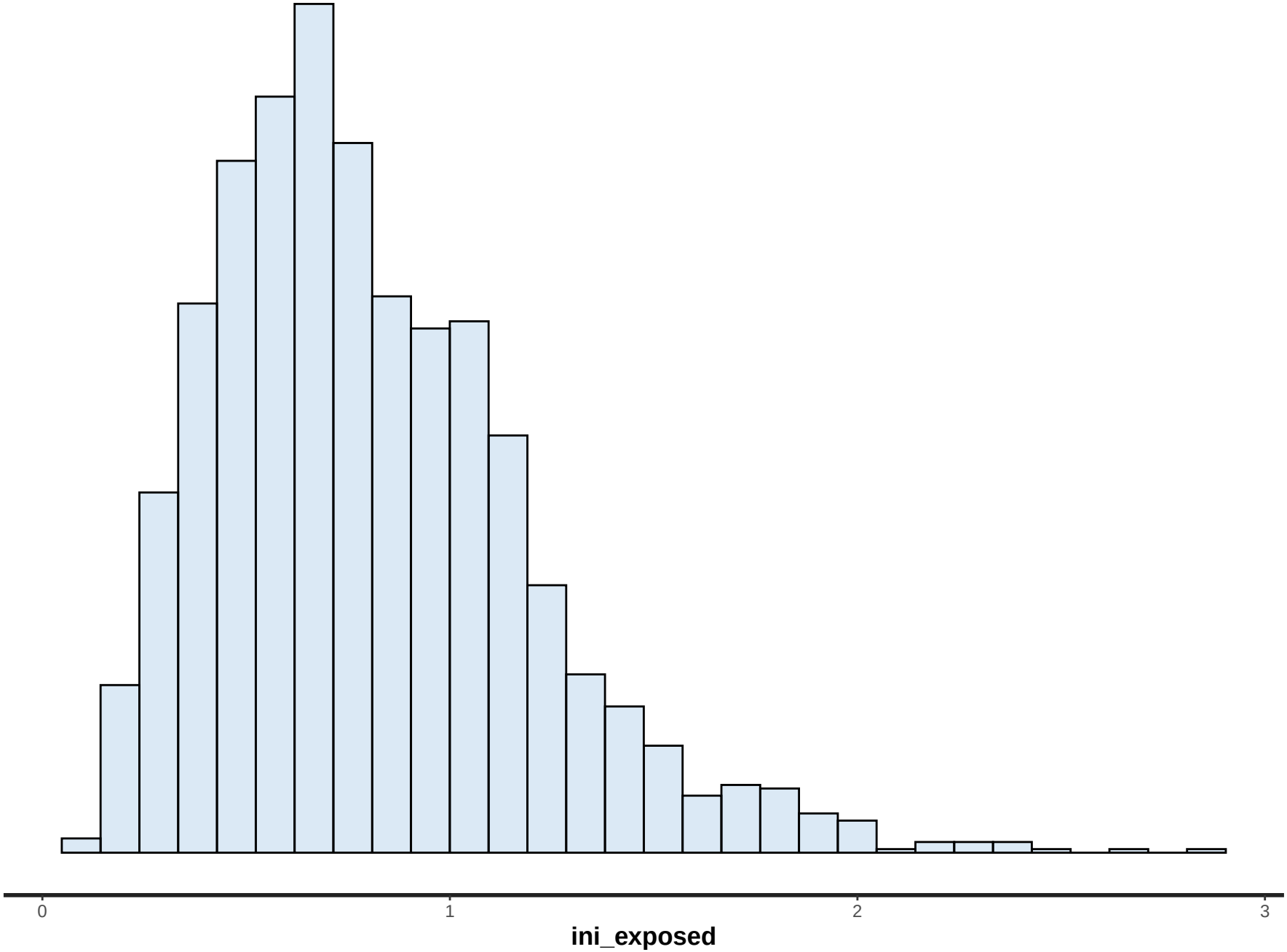

0.025
0.050
0.075
0.100
0.125
frac_hosp

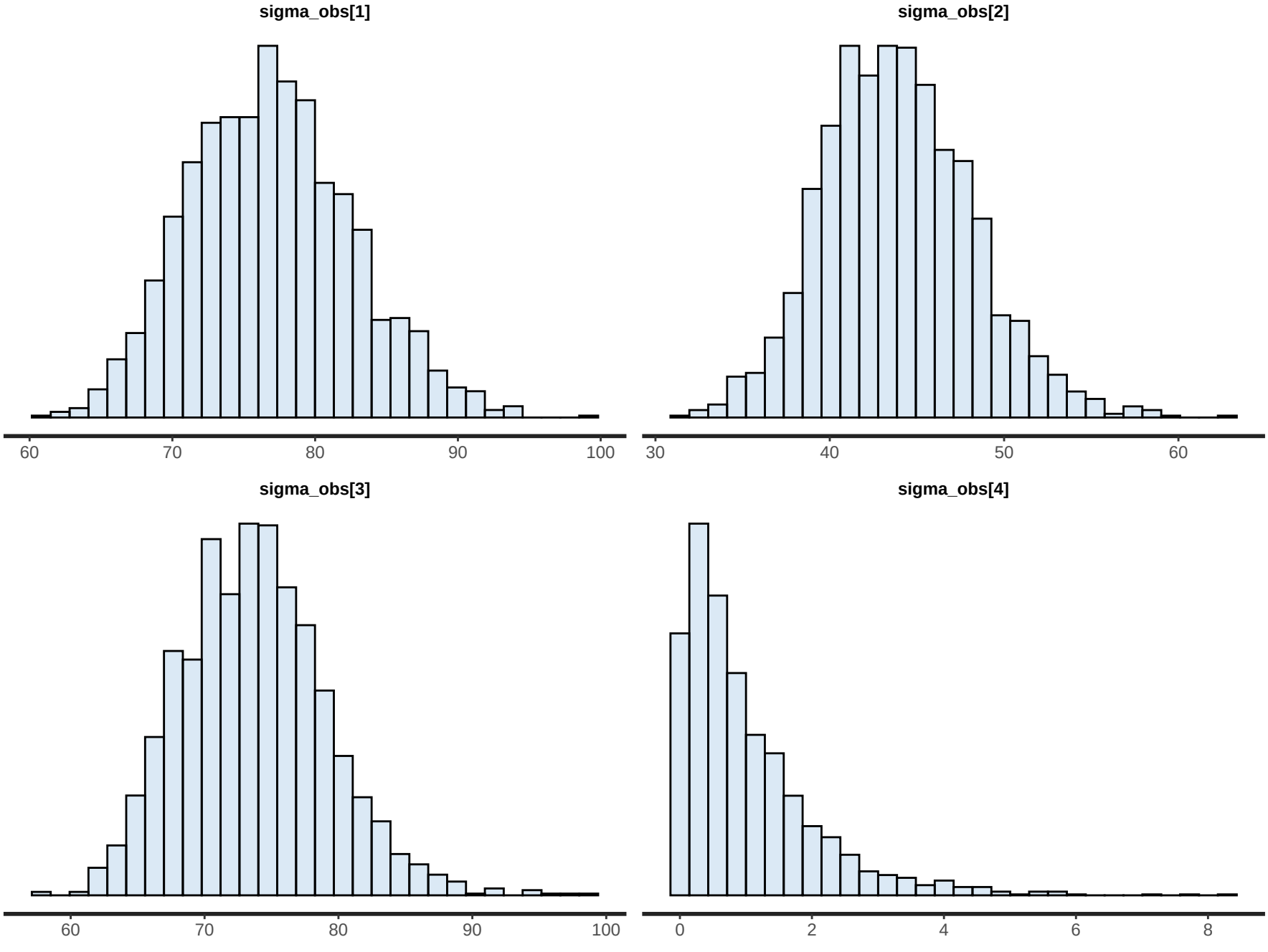

0.16
0.20
0.24
frac_icu


0.4
0.5
0.6
0.7
frac_mort


beta_multiplier[1]
0.4
0.8
1.2
1.6
beta_multiplier[2]
0.4
0.6
0.8
1.0
beta_multiplier[3]
0.6
0.8
1.0
1.2
beta_multiplier[4]
1.2
1.5
1.8
beta_multiplier[5]
0.6
0.8
1.0
1.2
beta_multiplier[6]
0.8
1.0
1.2
beta_multiplier[7]
0.4998
0.5000
0.5002
0.5004


t_inter[1]
Nov 23
Nov 30
t_inter[2]
Dec 02
Dec 04
Dec 06
Dec 08
Dec 10
Dec 12
t_inter[3]
Dec 14
Dec 21
Dec 28
t_inter[4]
Jan 04
Jan 11
t_inter[5]
Jan 11
Jan 18
Jan 25
t_inter[6]
Jan 25
Feb 01
Feb 08
t_inter[7]
Feb 18


0
1
2
3
ini_exposed


sigma_obs[1]
60
70
80
90
100
sigma_obs[2]
30
40
50
60
sigma_obs[3]
60
70
80
90
100
sigma_obs[4]
0
2
4
6
8