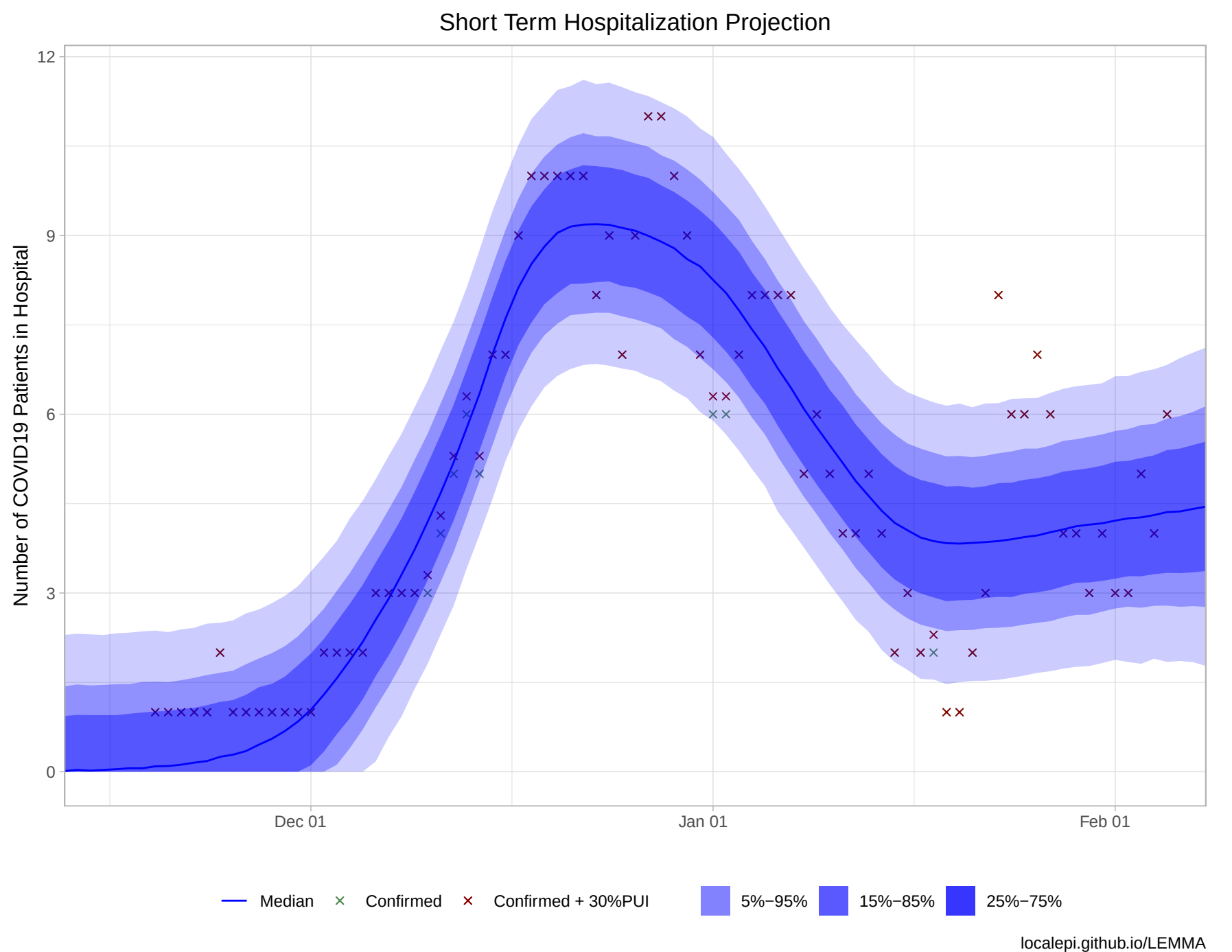
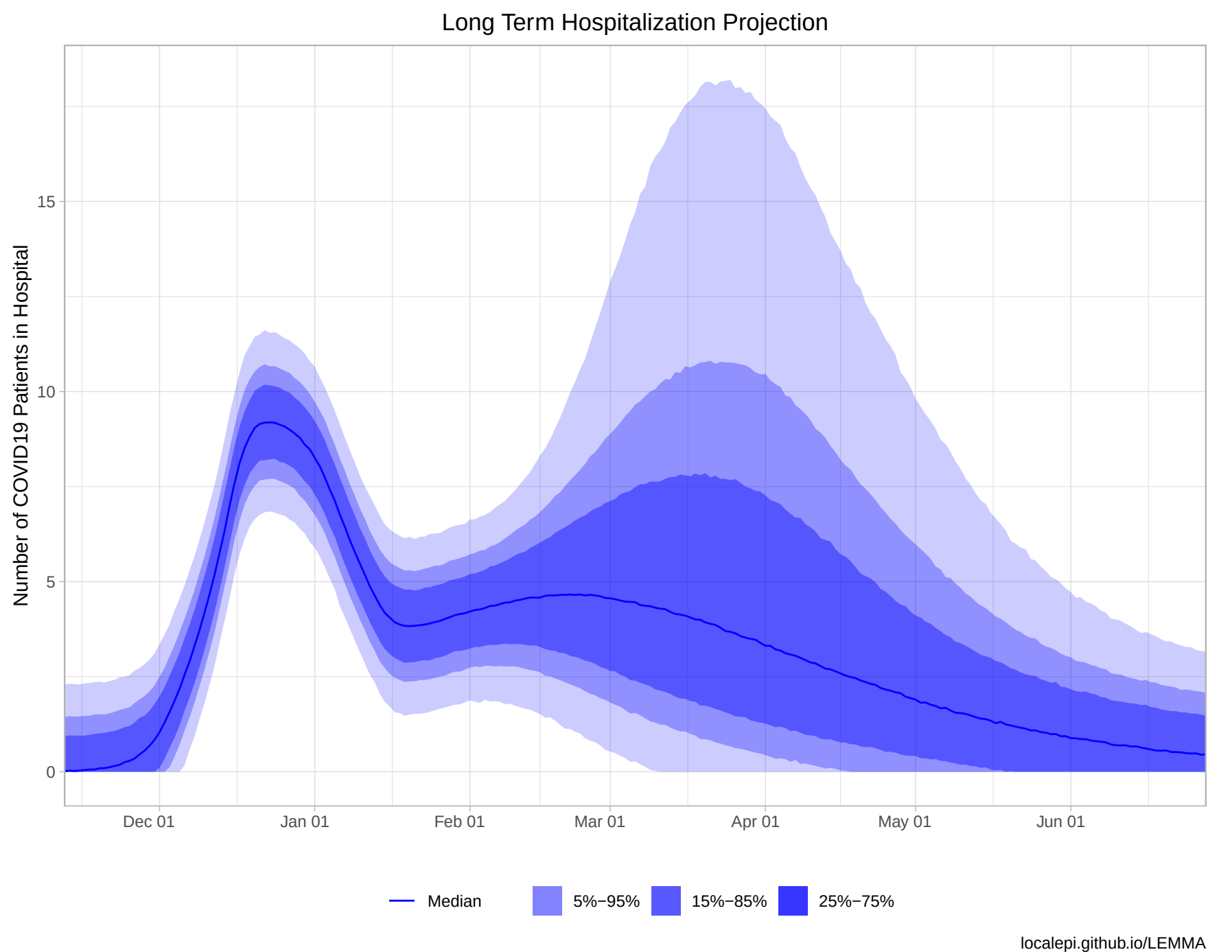
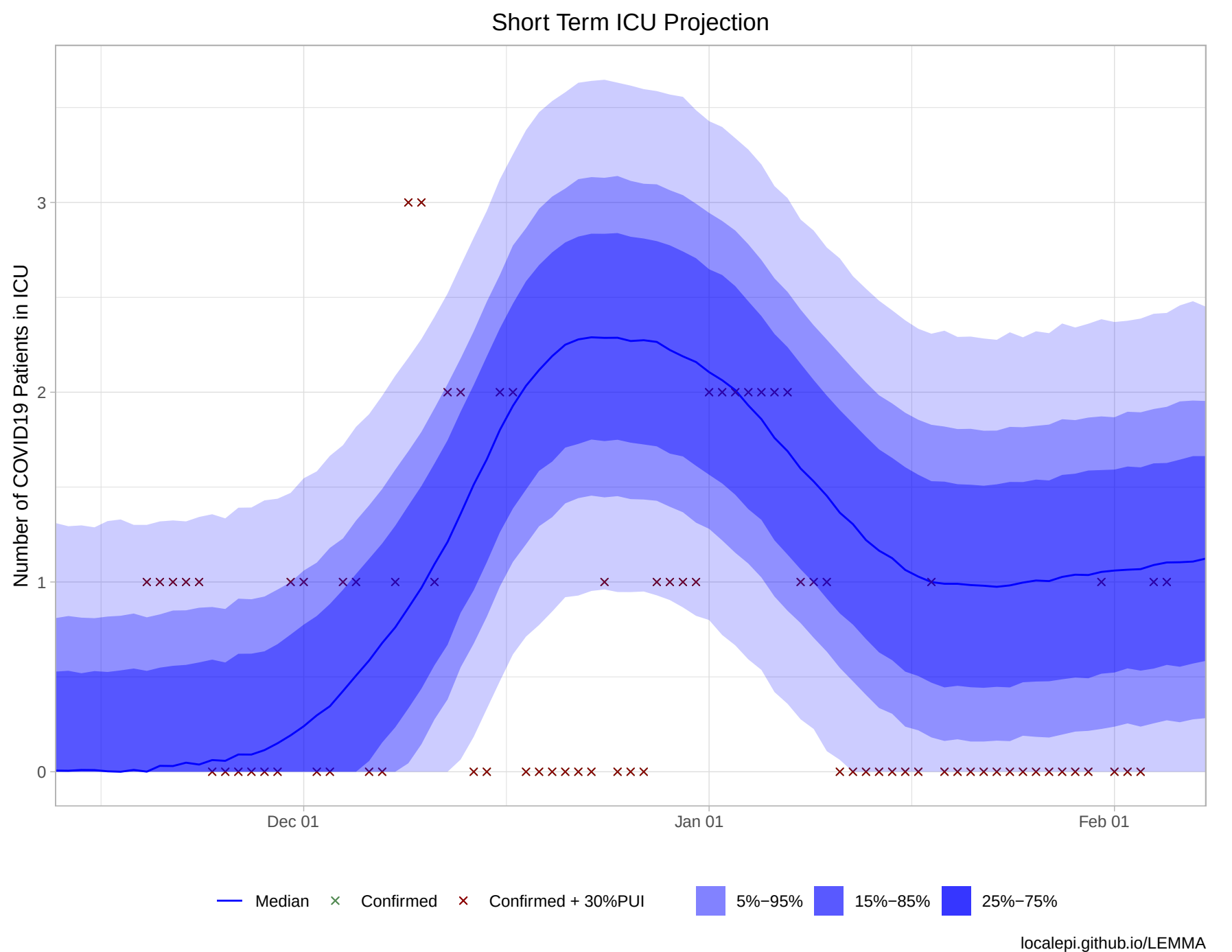
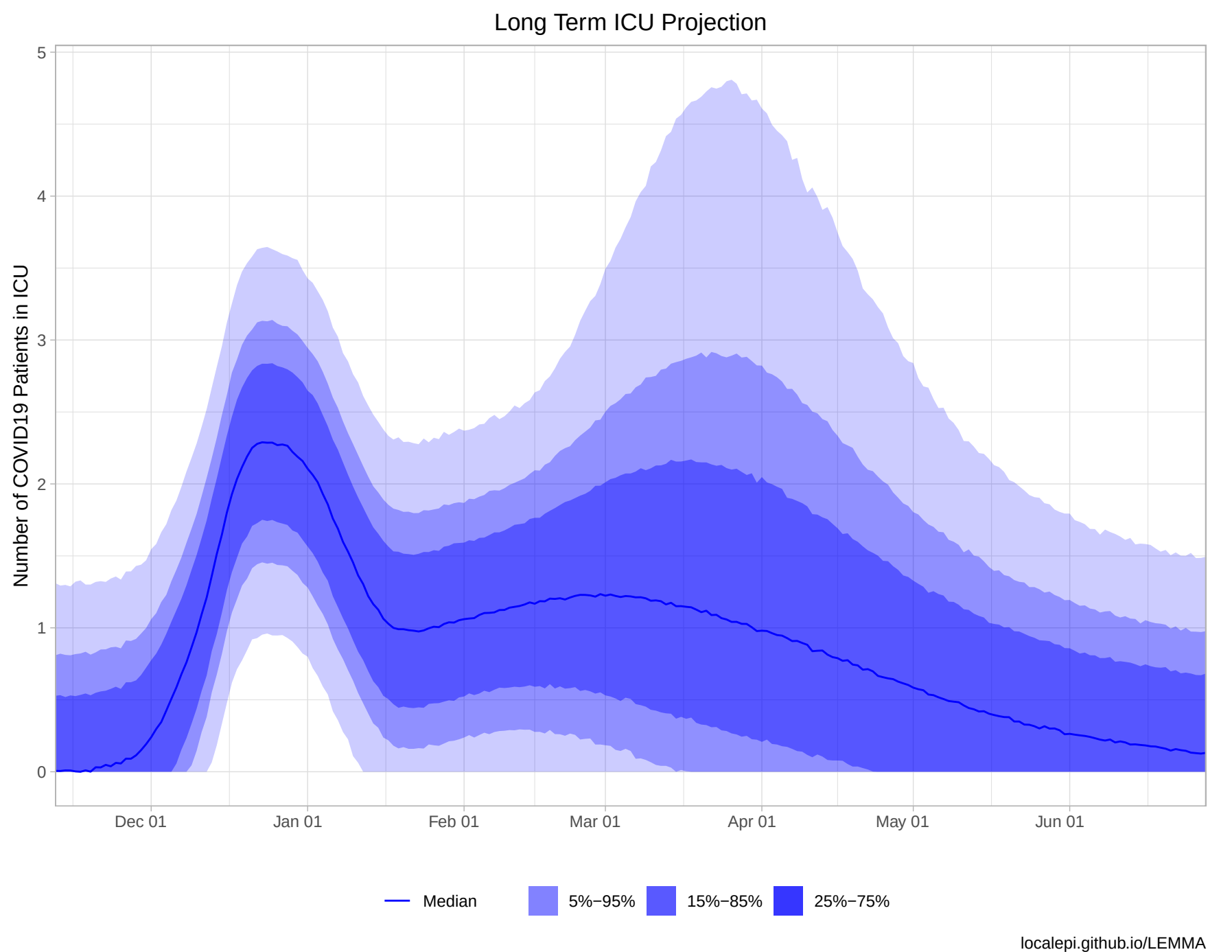
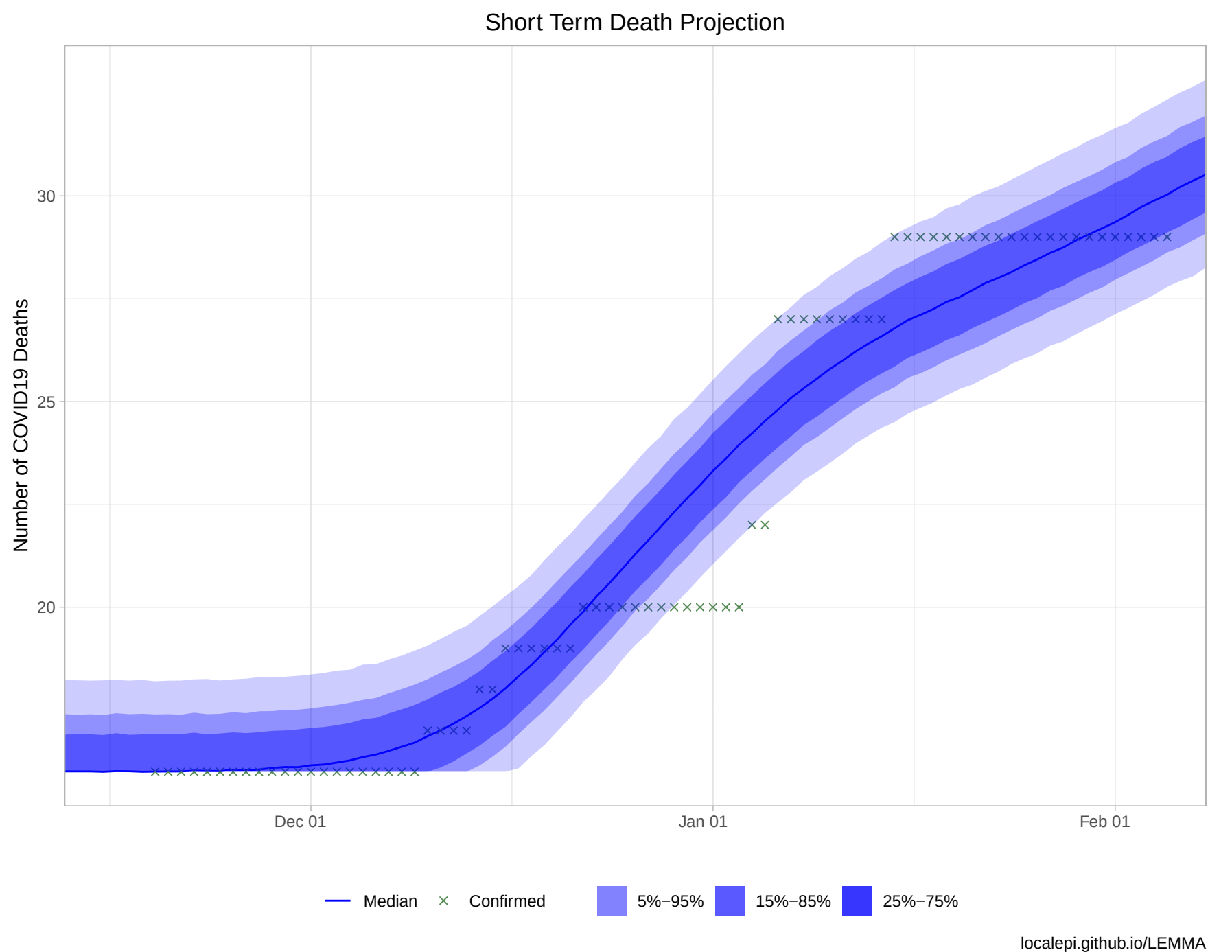
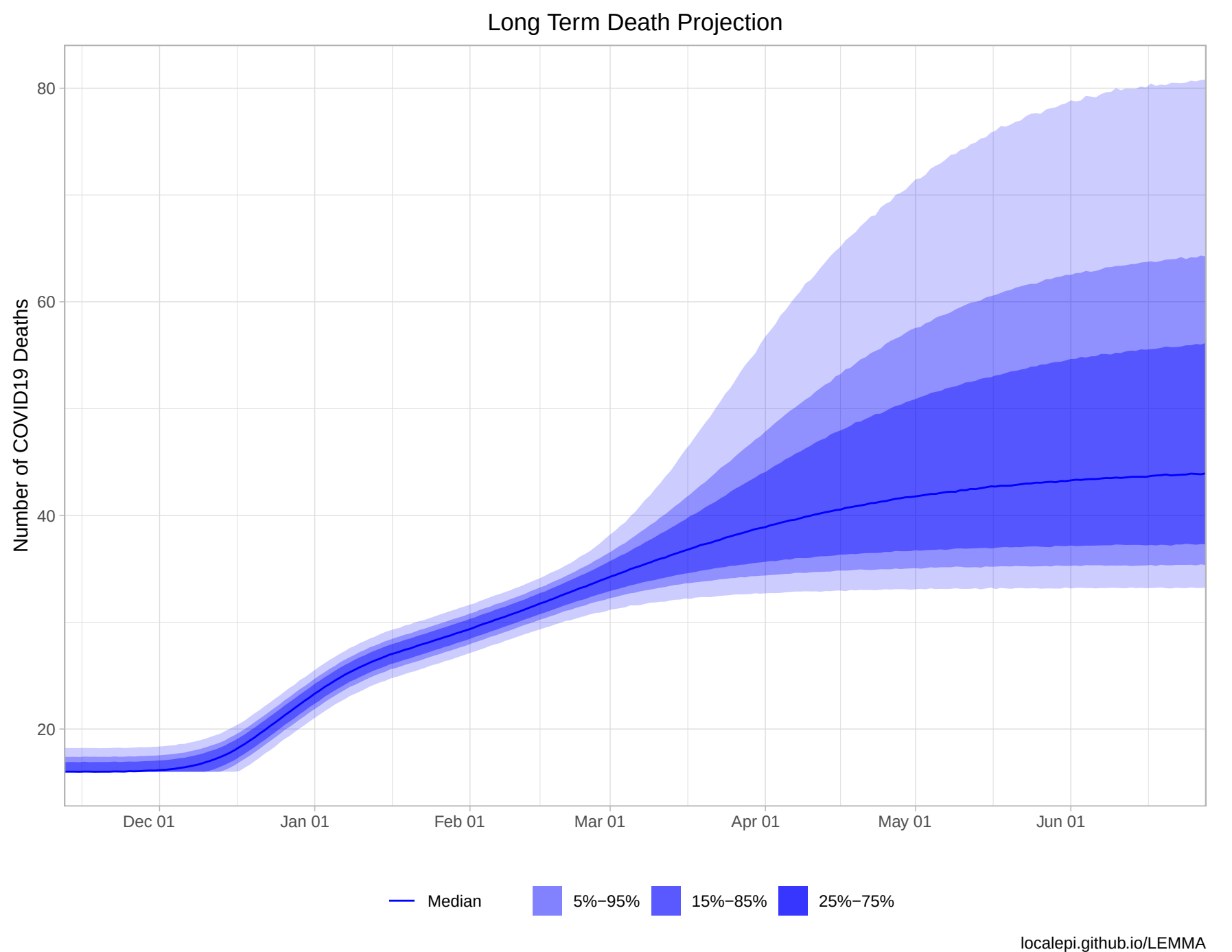

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
12
9
6
3
0
Dec 01
Jan 01
Feb 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

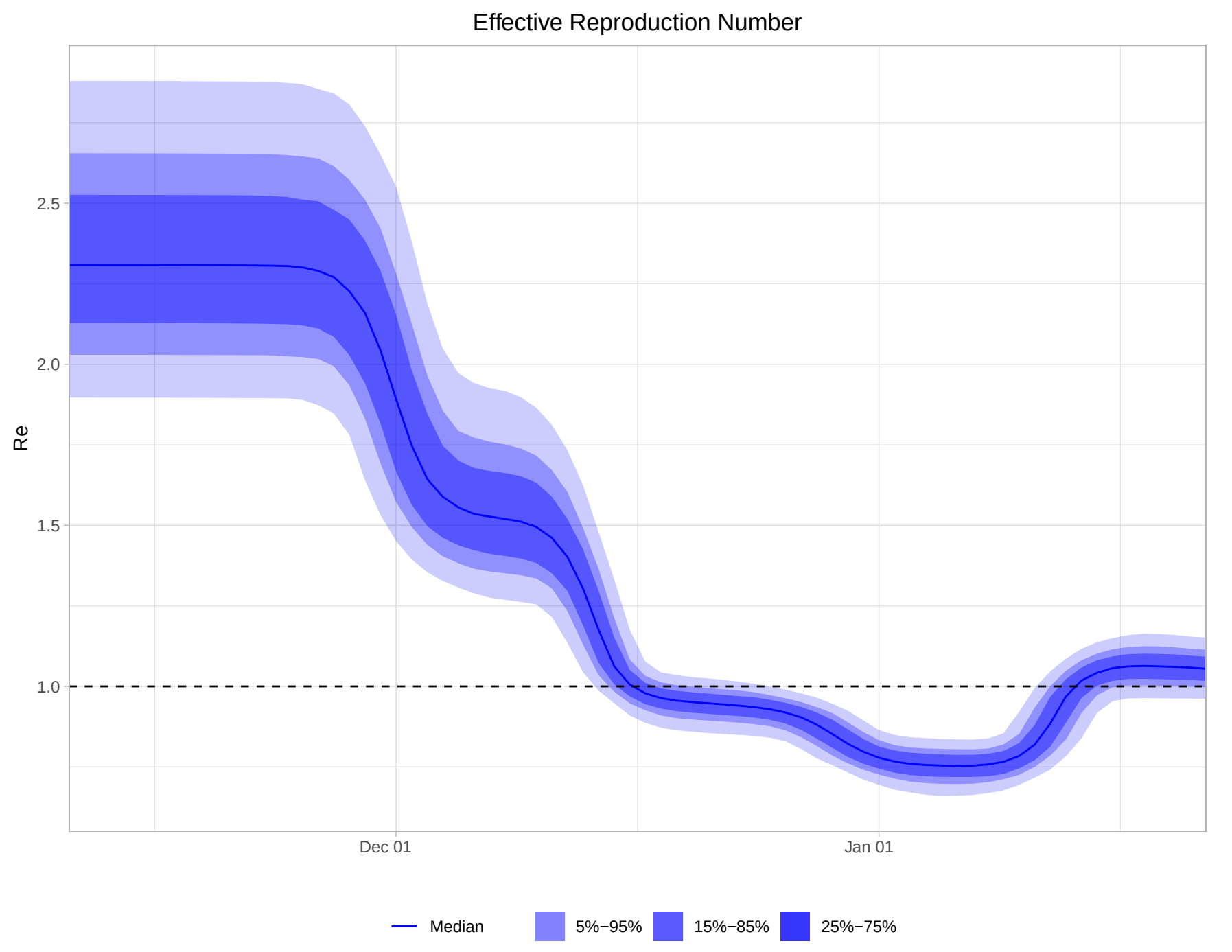

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


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
4
5
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

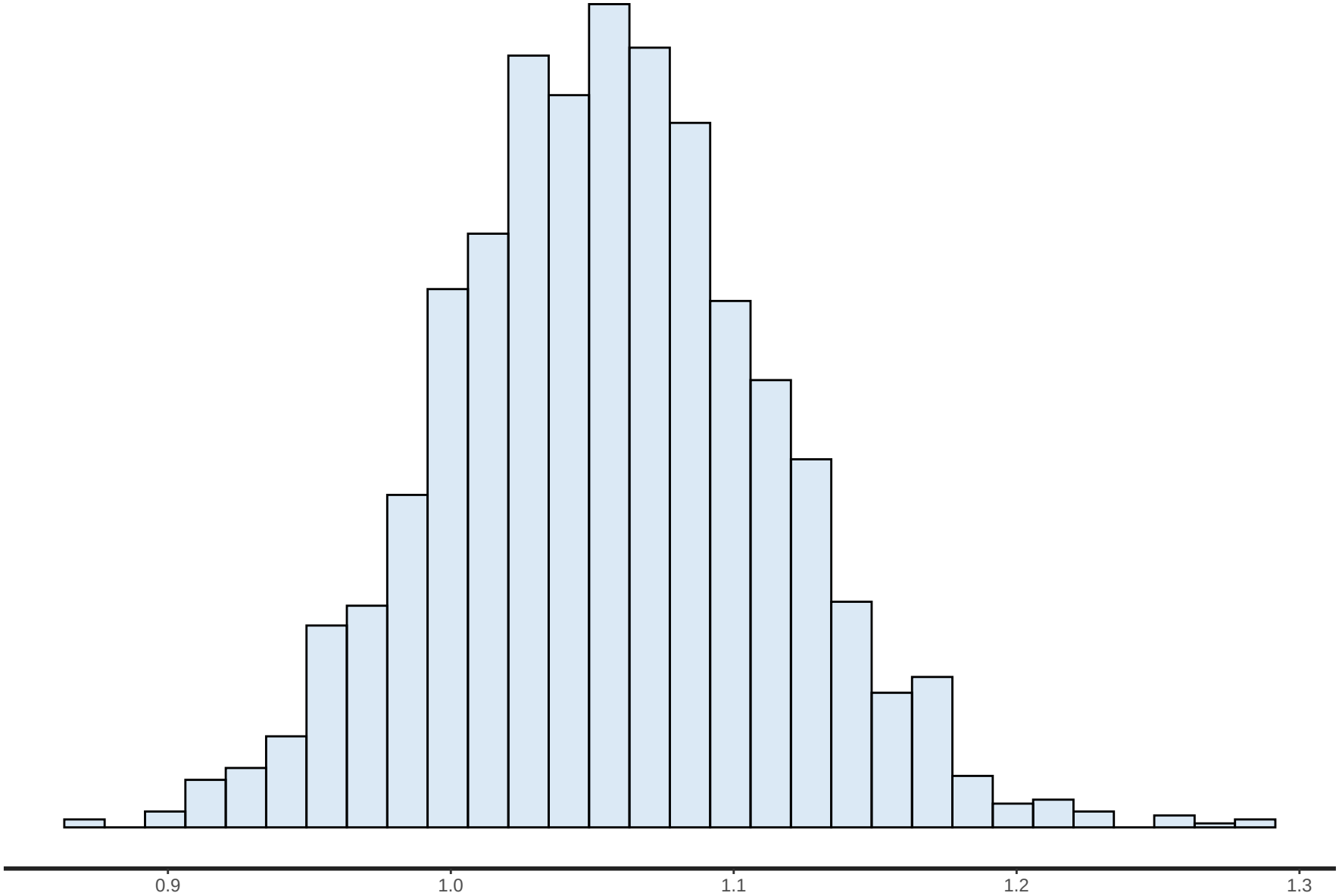

Short Term Death Projection
Number of COVID19 Deaths
30
25
20
Dec 01
Jan 01
Feb 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

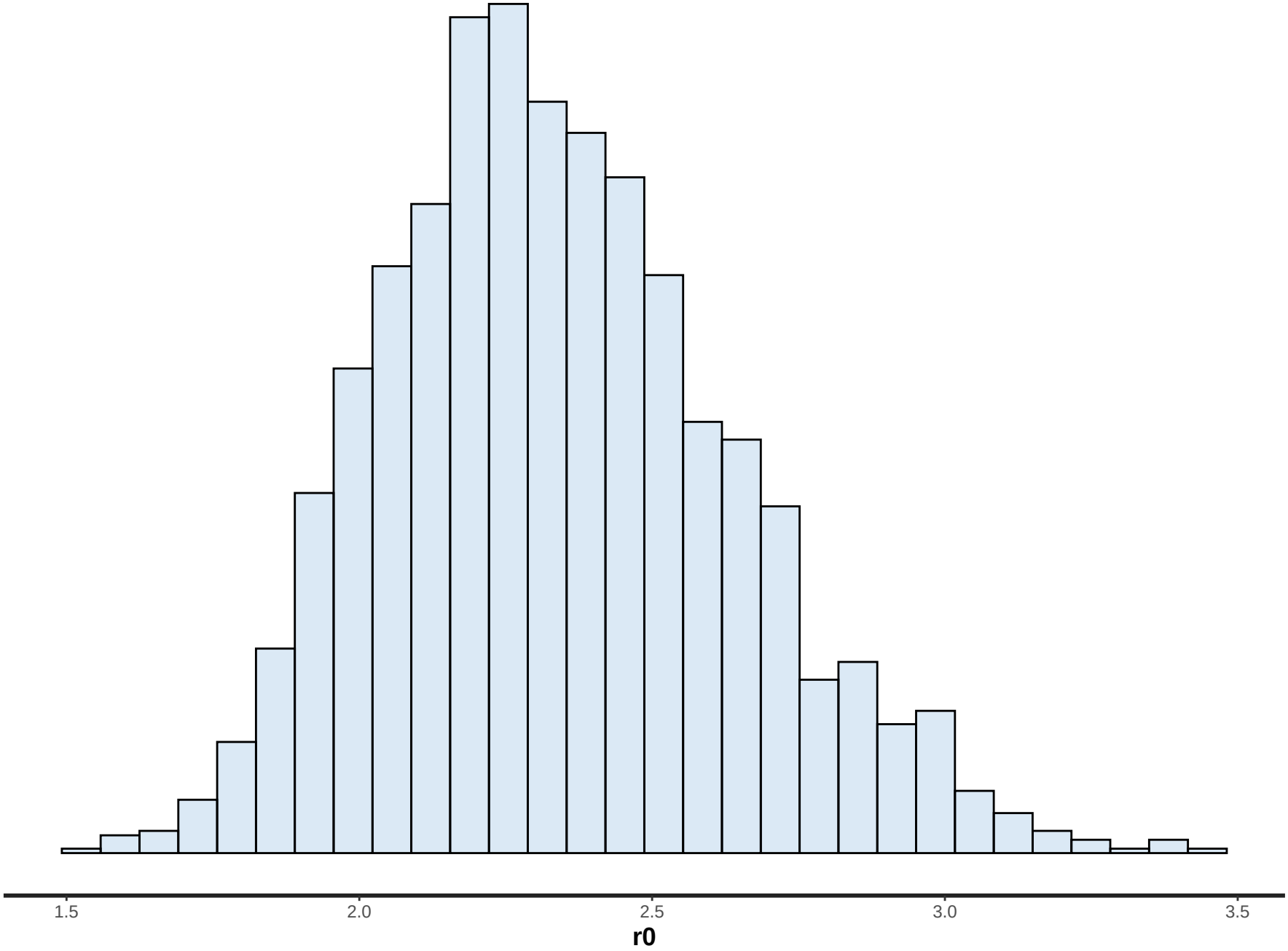

Long Term Death Projection
Number of COVID19 Deaths
80
60
40
20
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

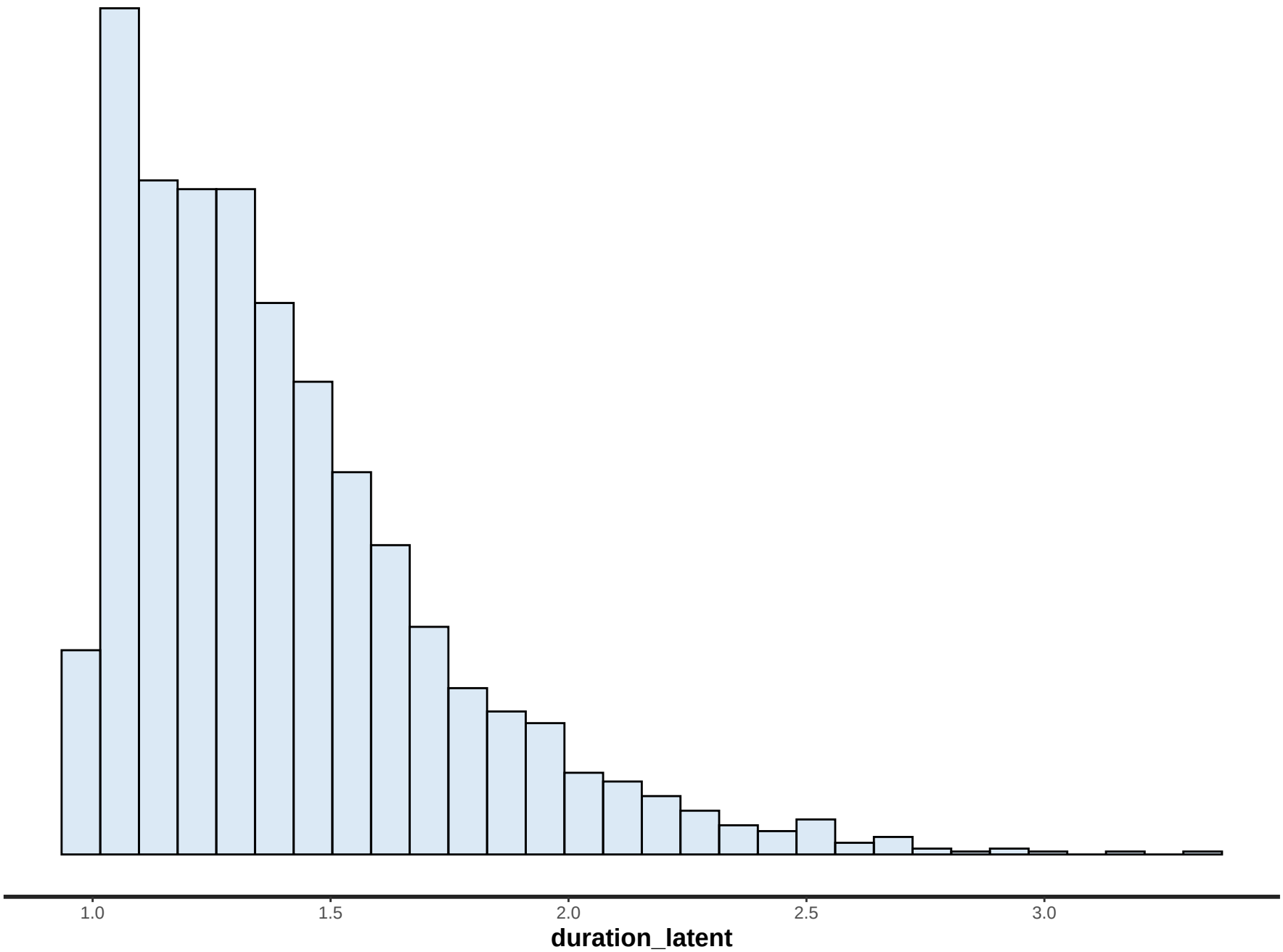

Effective Reproduction Number
Re
2.5
2.0
1.5
1.0
Dec 01
Jan 01
Median
5%−95%
15%−85%
25%−75%

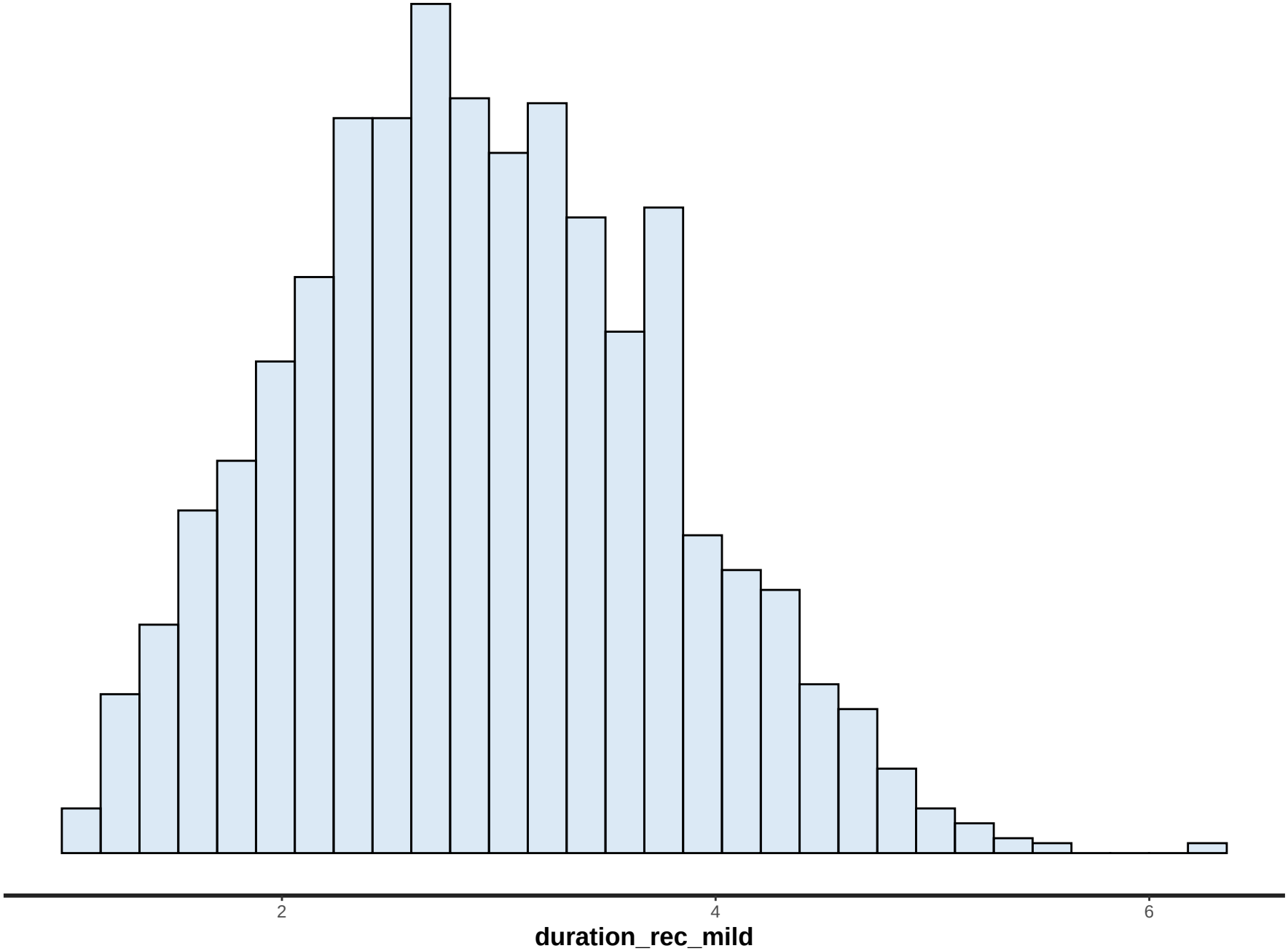
Rt as of 2021−01−22

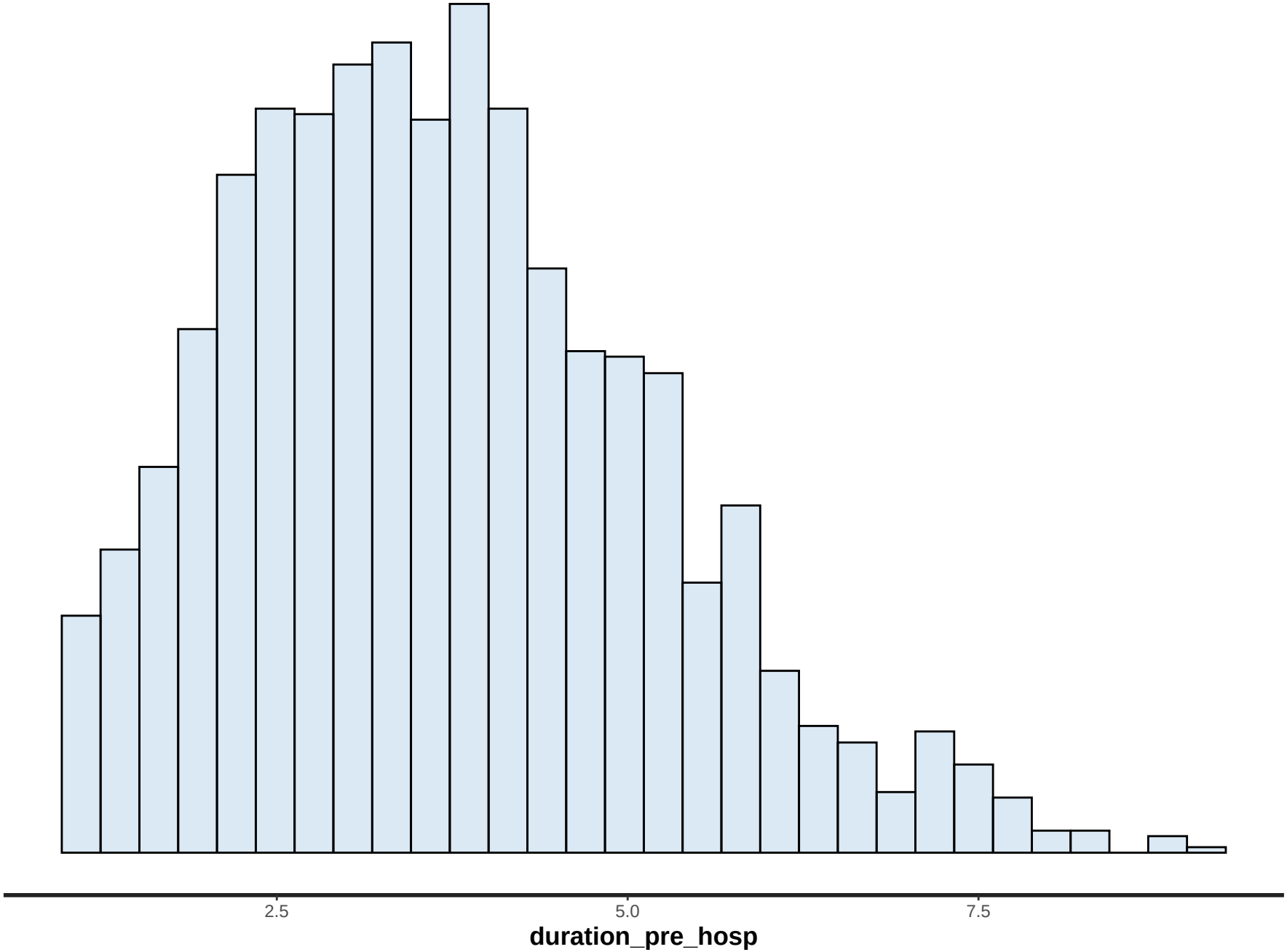
5%	10%	25%	50%	75%	90%	95%
0.96	0.99	1.02	1.05	1.09	1.13	1.15

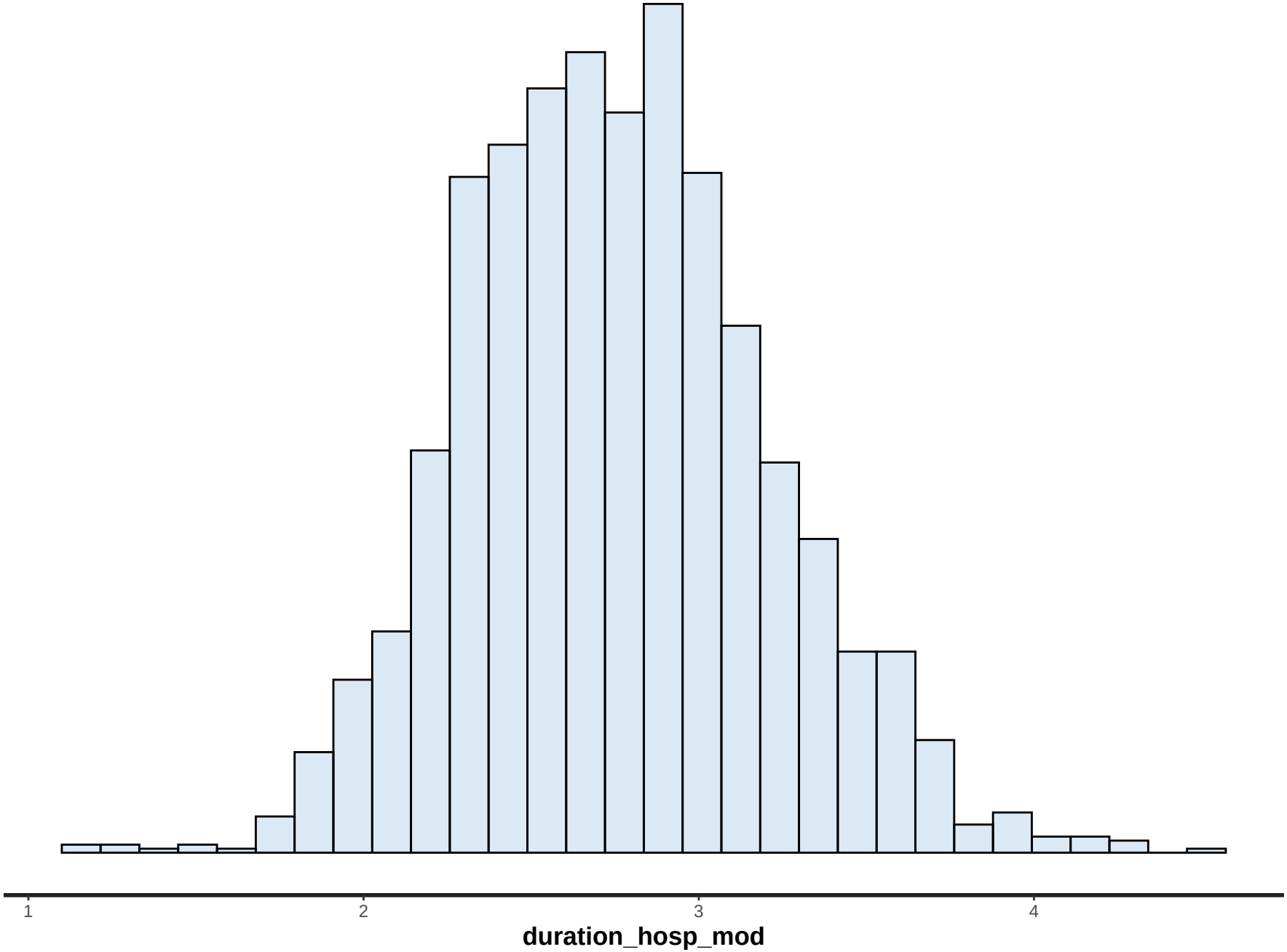


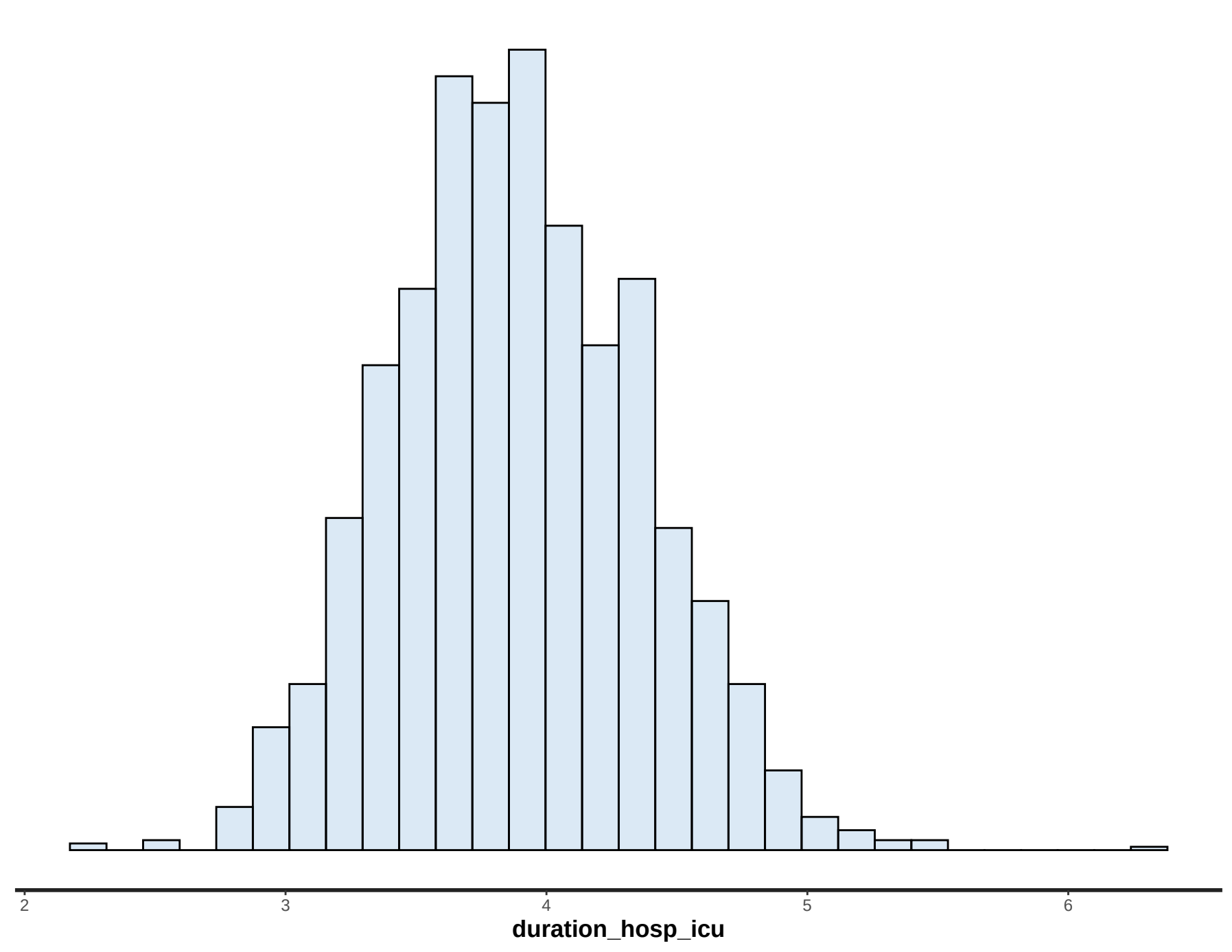

1.5
2.0
2.5
3.0
3.5
r0

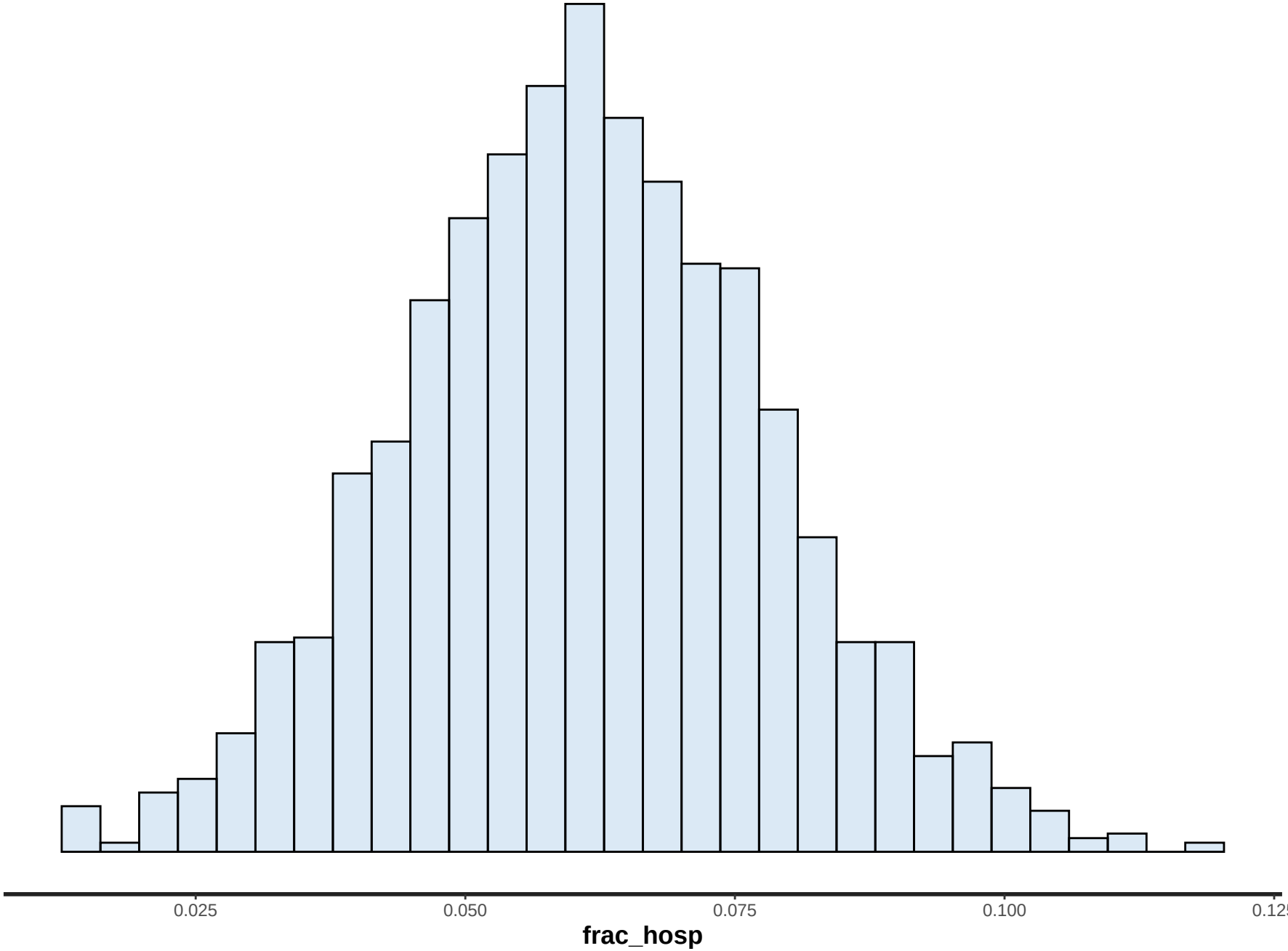

1.0
1.5
2.0
2.5
3.0
duration_latent

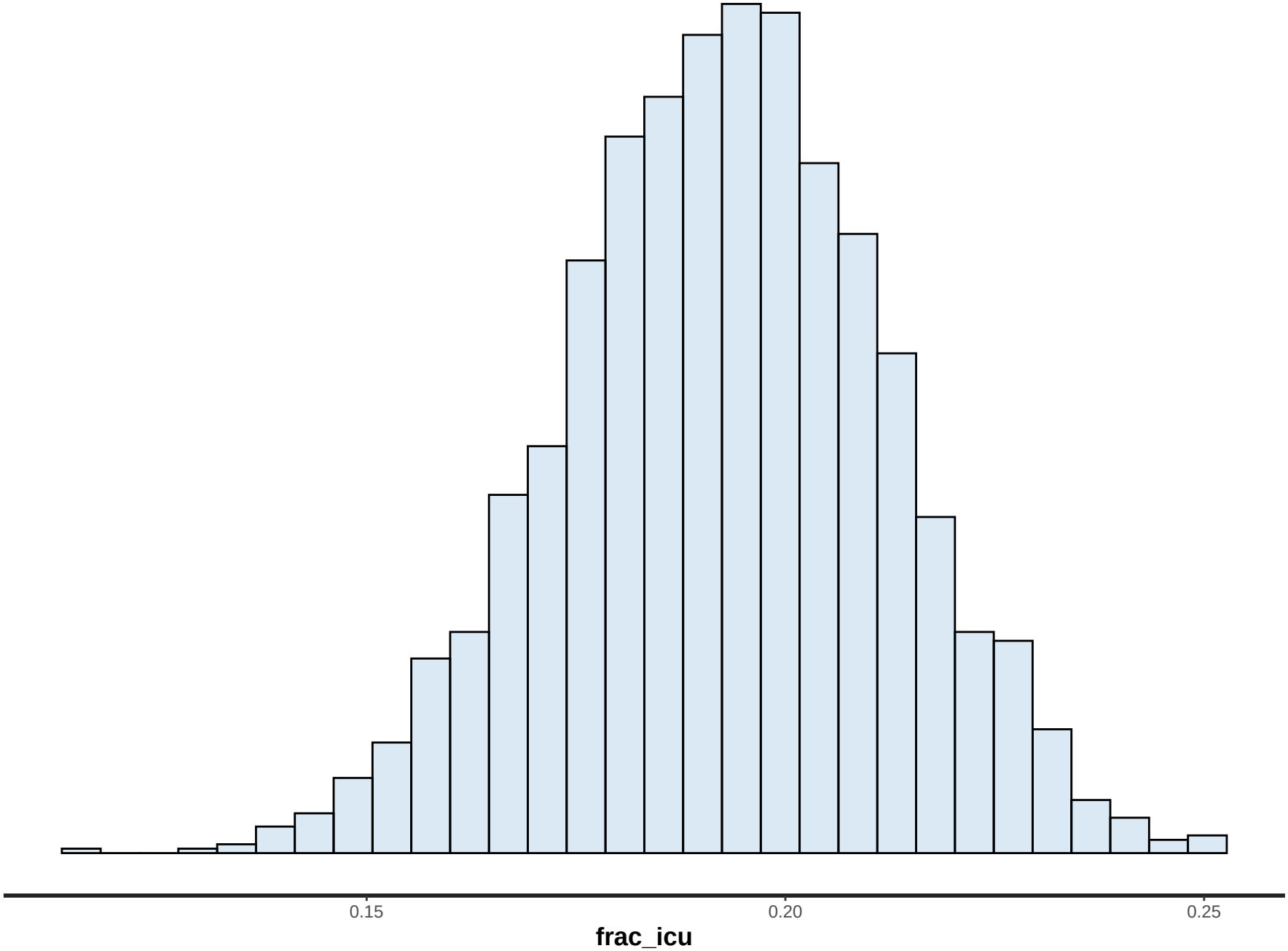

2
4
6
duration_rec_mild

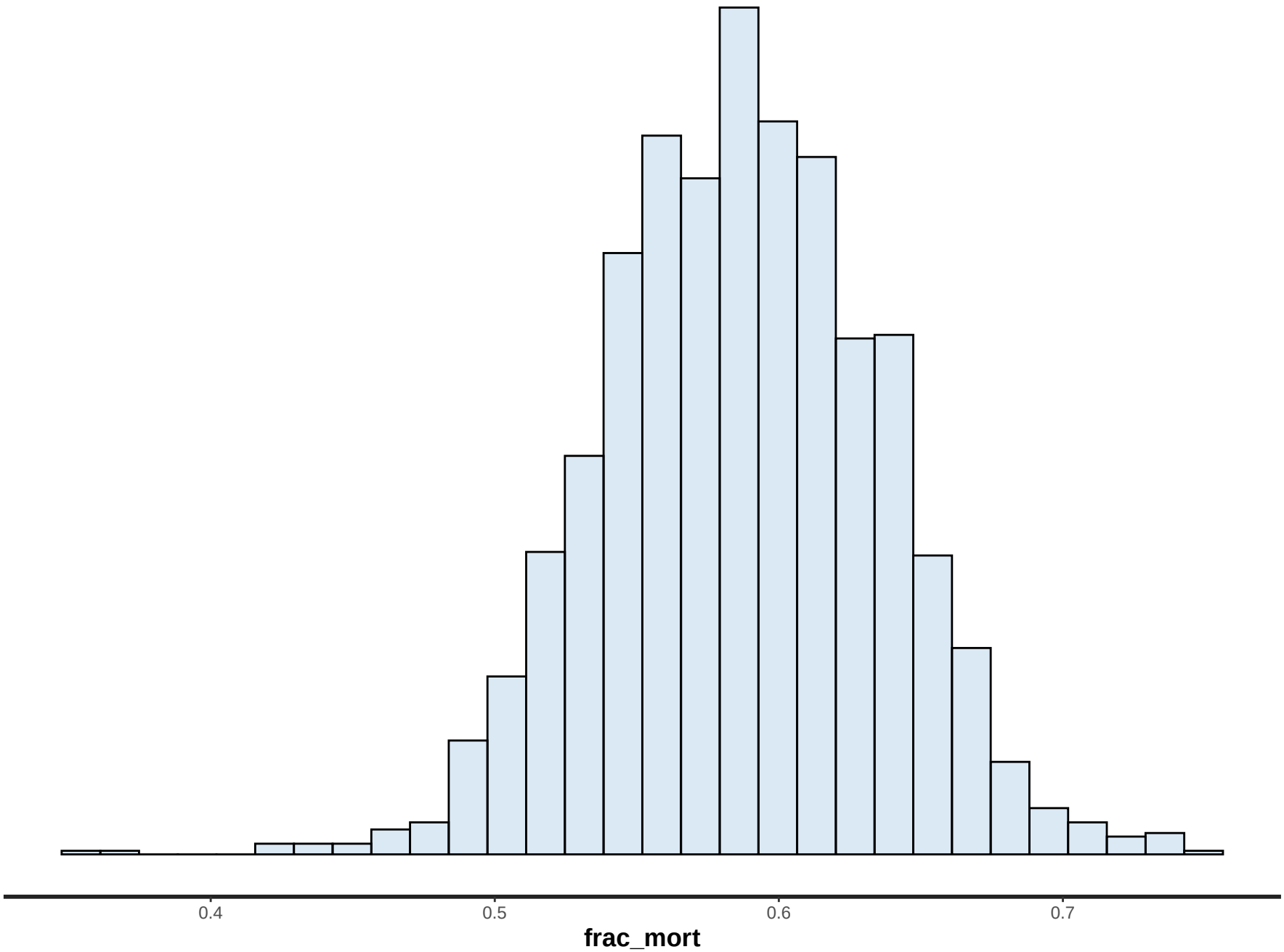

2.5
5.0
7.5
duration_pre_hosp

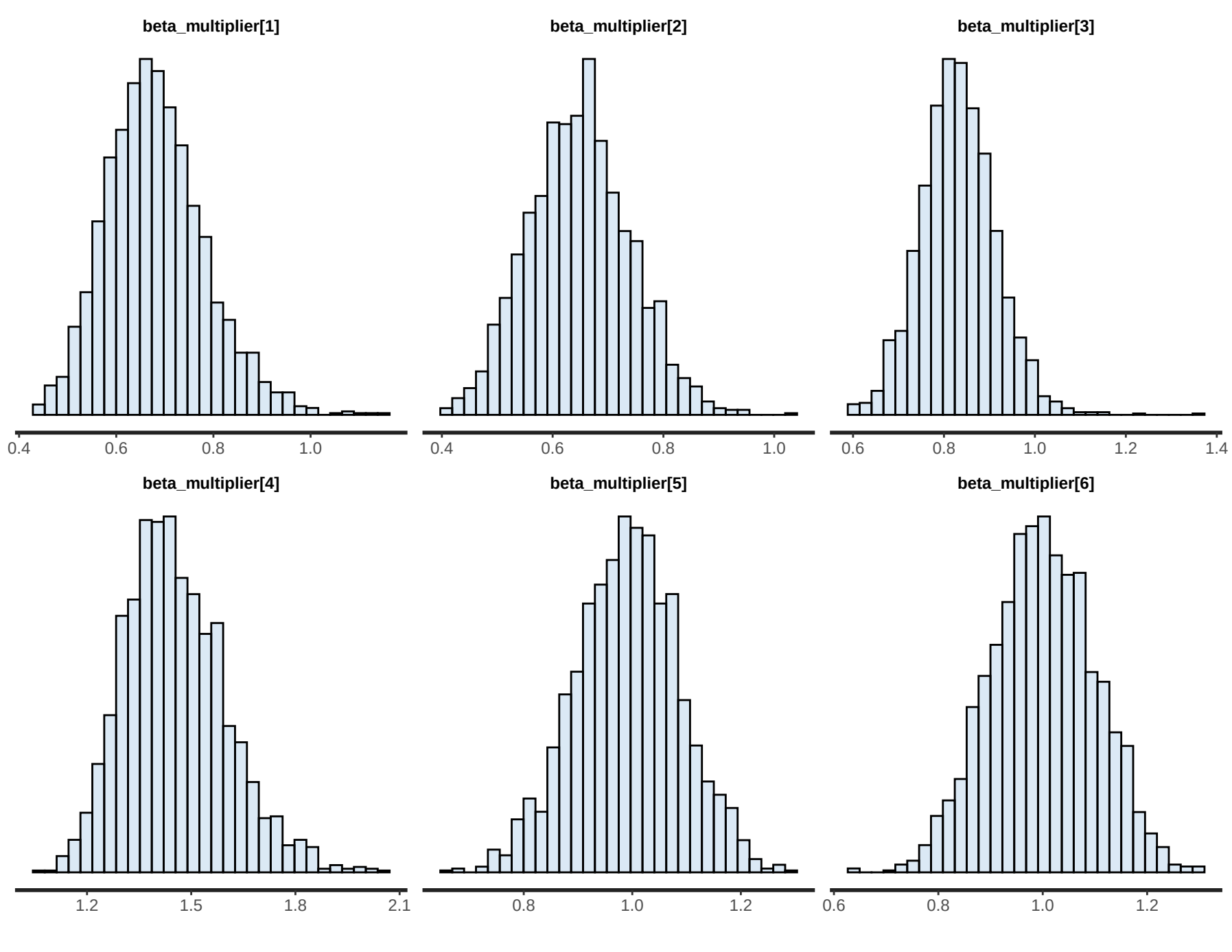

1
2
3
4
duration_hosp_mod

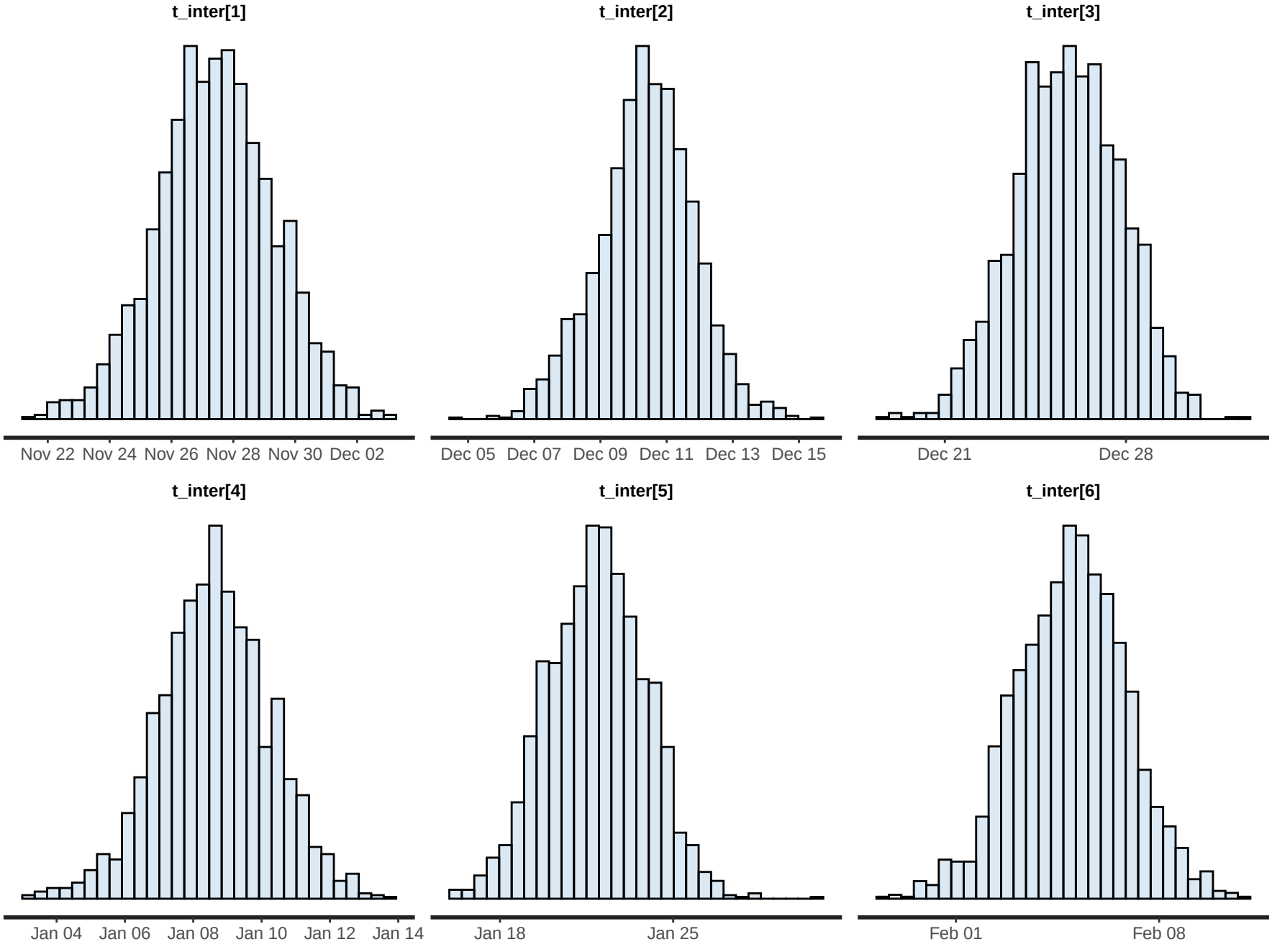

2
3
4
5
6
duration_hosp_icu

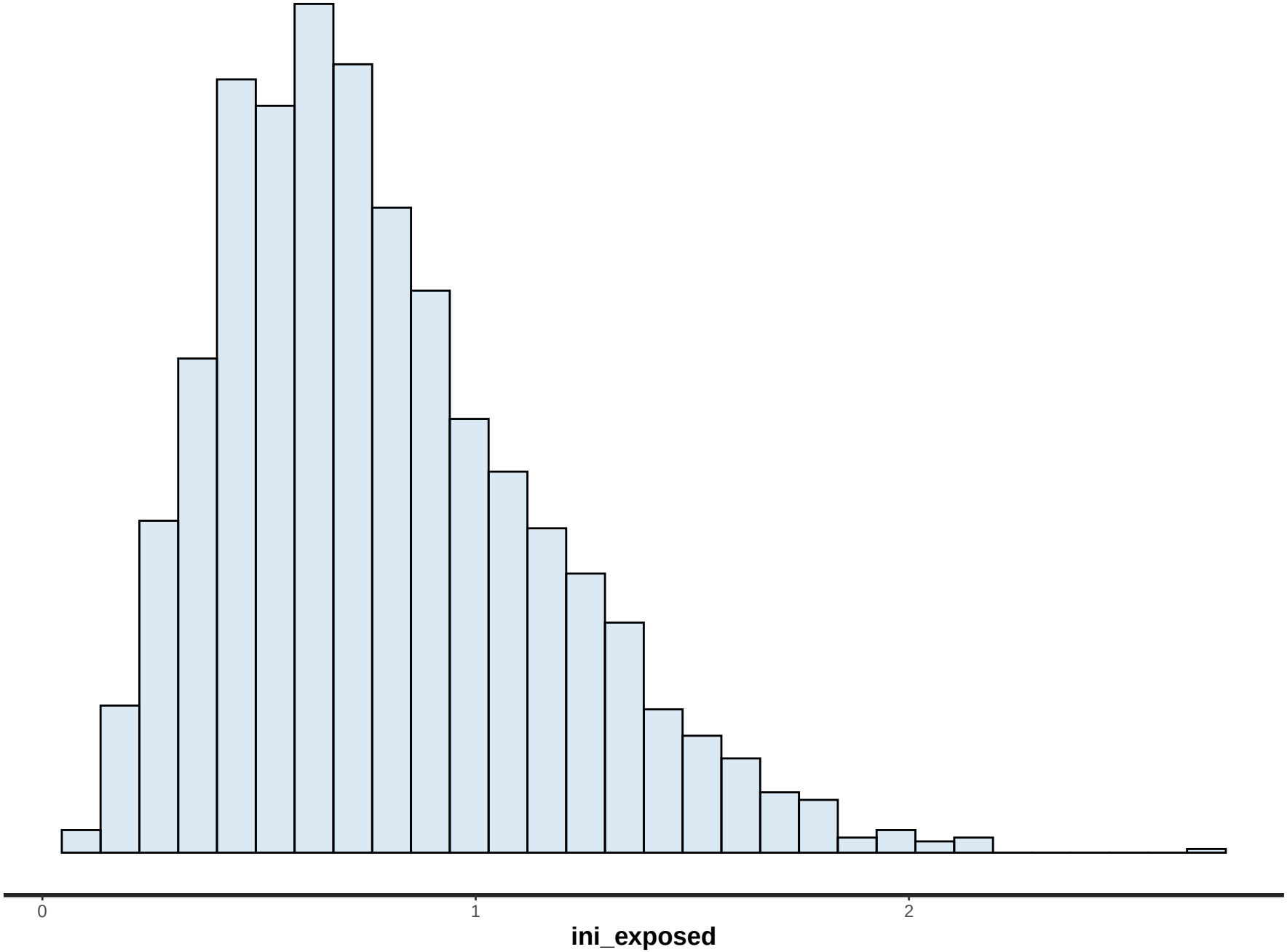

0.025
0.050
0.075
0.100
0.125
frac_hosp

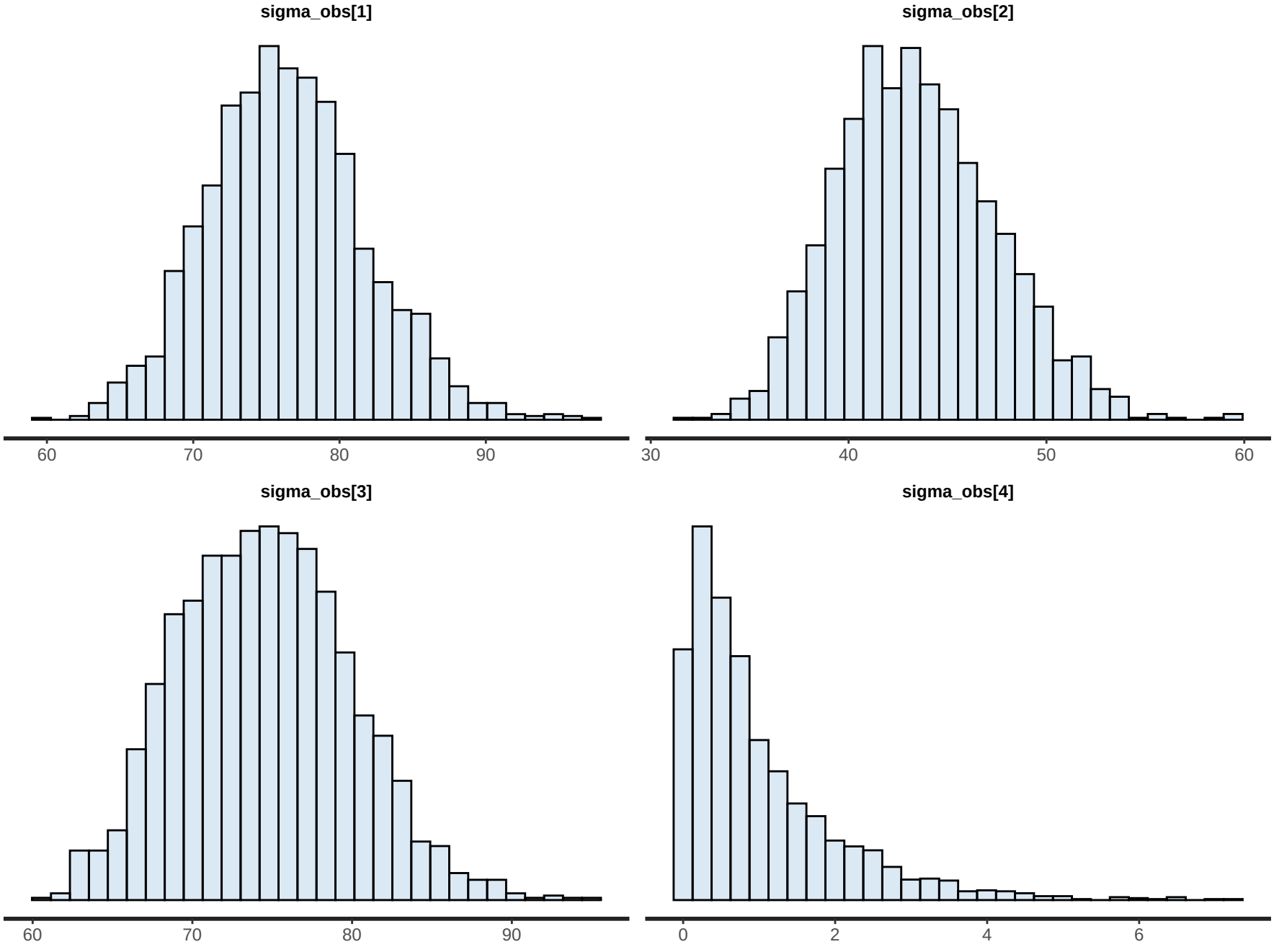

0.15
0.20
0.25
frac_icu


0.4
0.5
0.6
0.7
frac_mort


beta_multiplier[1]
0.4
0.6
0.8
1.0
beta_multiplier[2]
0.4
0.6
0.8
1.0
beta_multiplier[3]
0.6
0.8
1.0
1.2
1.4
beta_multiplier[4]
1.2
1.5
1.8
2.1
beta_multiplier[5]
0.8
1.0
1.2
beta_multiplier[6]
0.6
0.8
1.0
1.2


t_inter[1]
Nov 22
Nov 24
Nov 26
Nov 28
Nov 30
Dec 02
t_inter[2]
Dec 05
Dec 07
Dec 09
Dec 11
Dec 13
Dec 15
t_inter[3]
Dec 21
Dec 28
t_inter[4]
Jan 04
Jan 06
Jan 08
Jan 10
Jan 12
Jan 14
t_inter[5]
Jan 18
Jan 25
t_inter[6]
Feb 01
Feb 08


0
1
2
ini_exposed


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