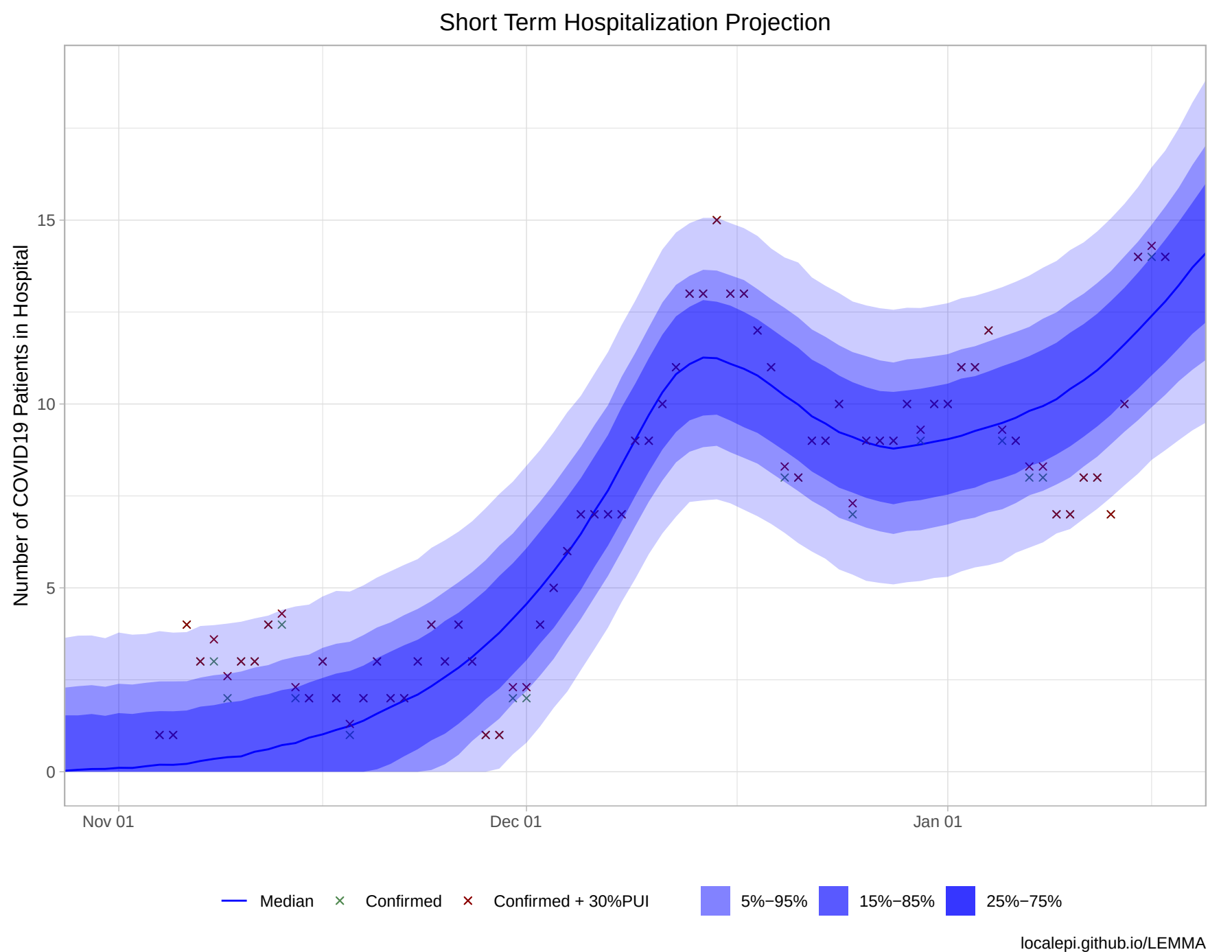
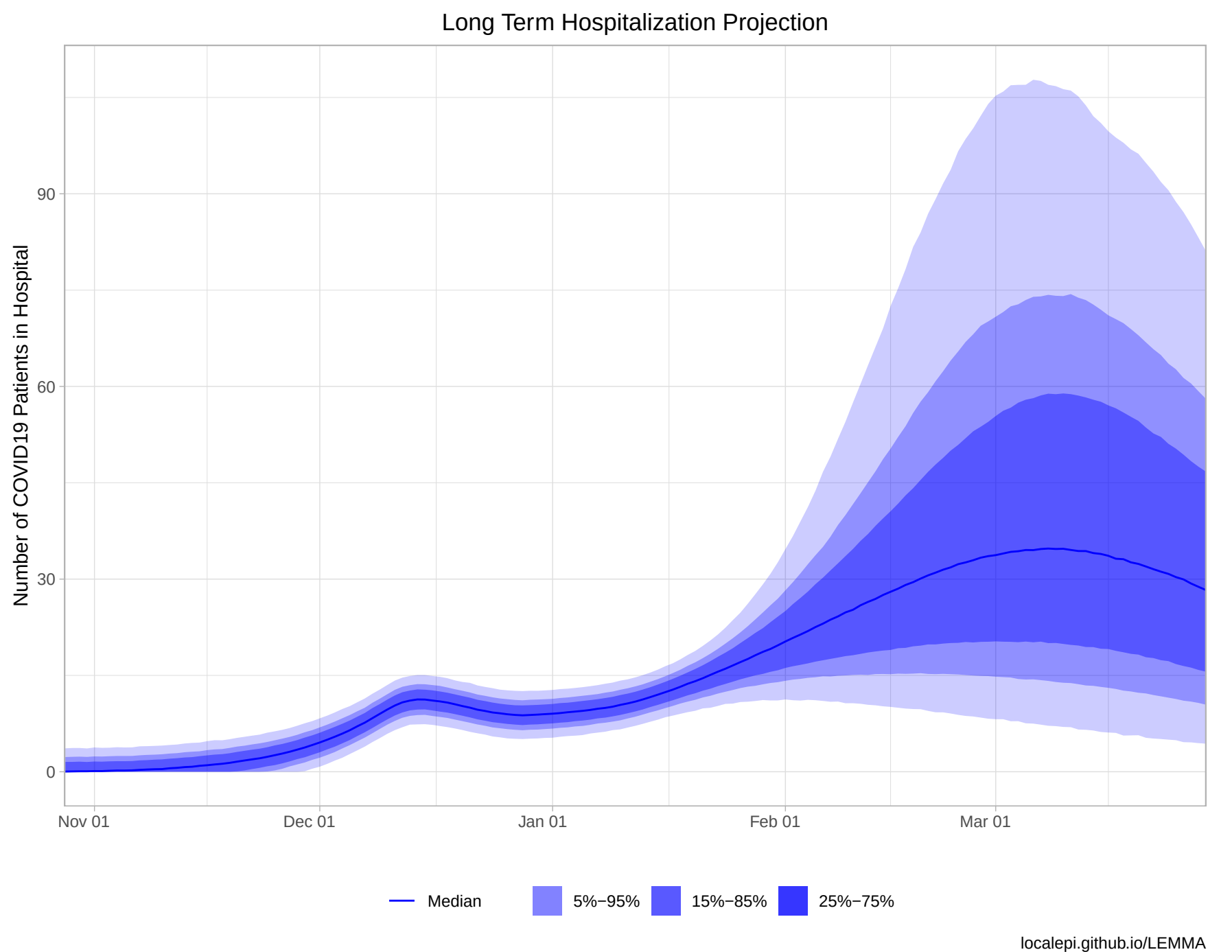
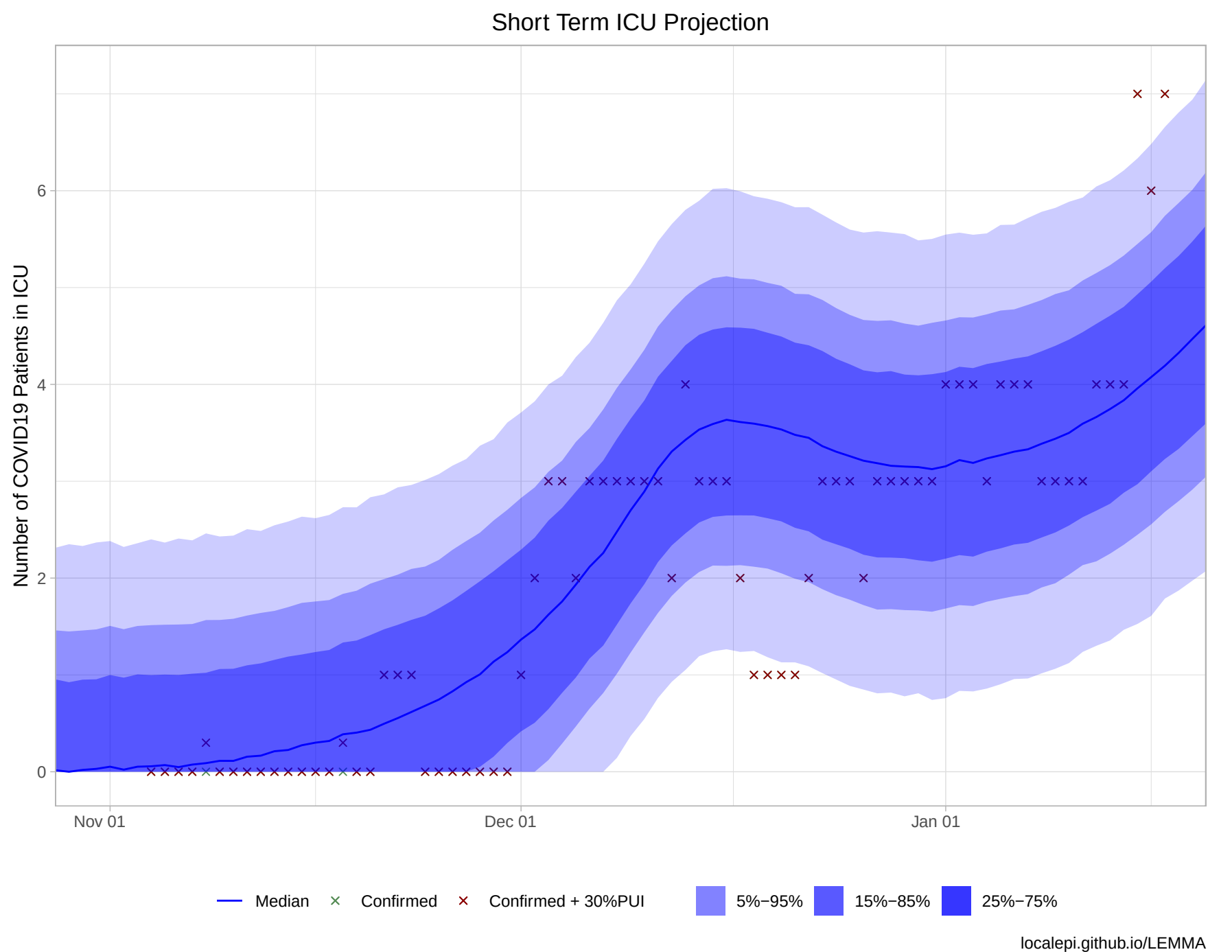
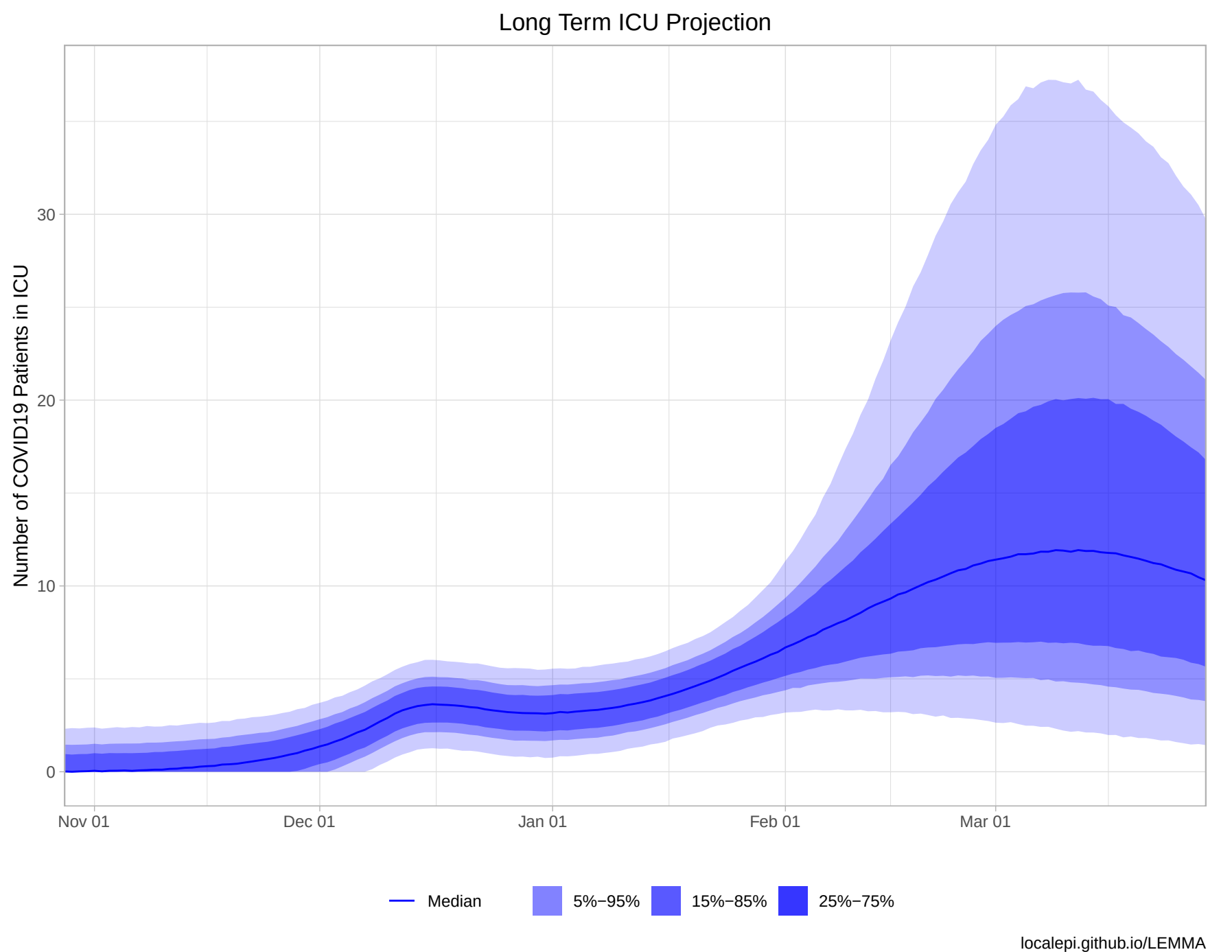
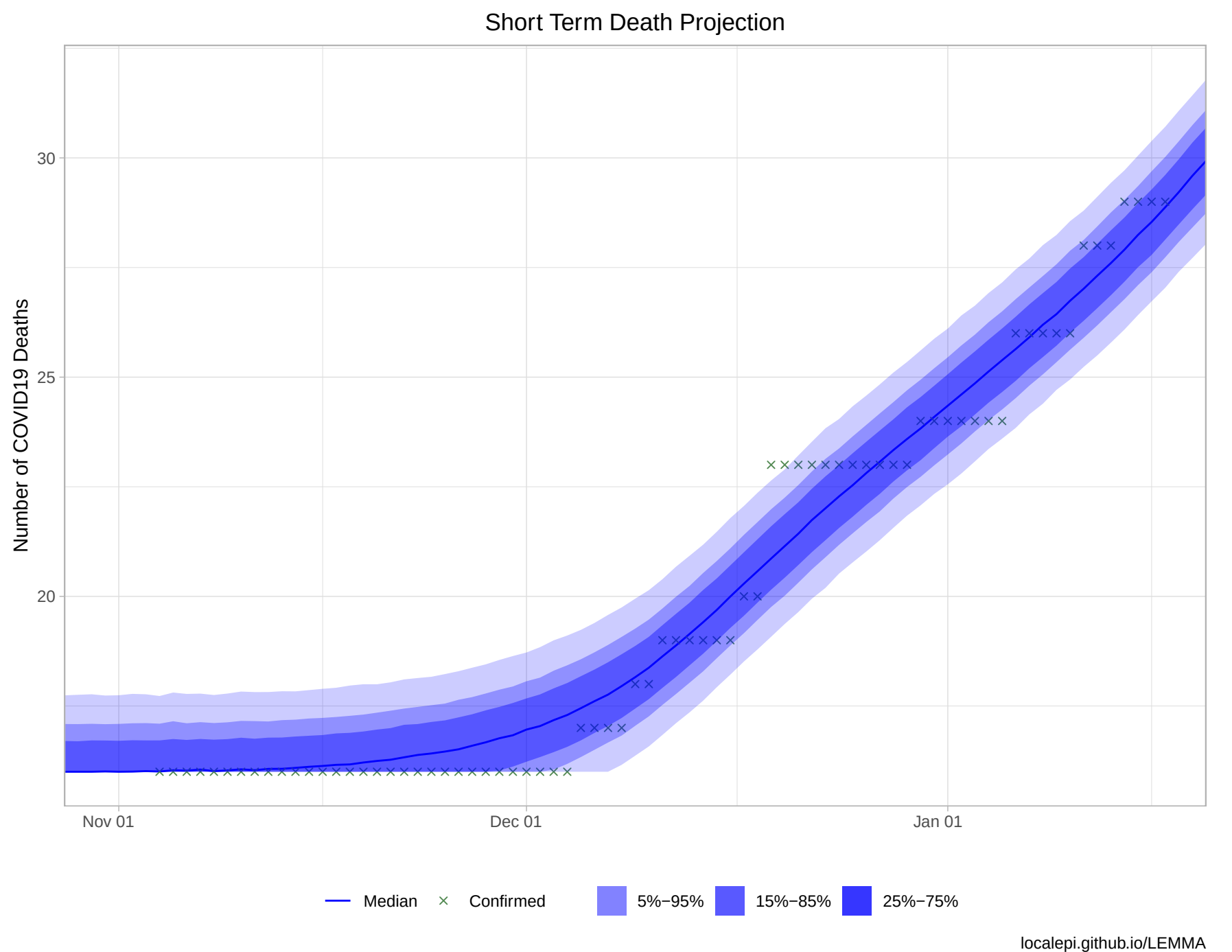
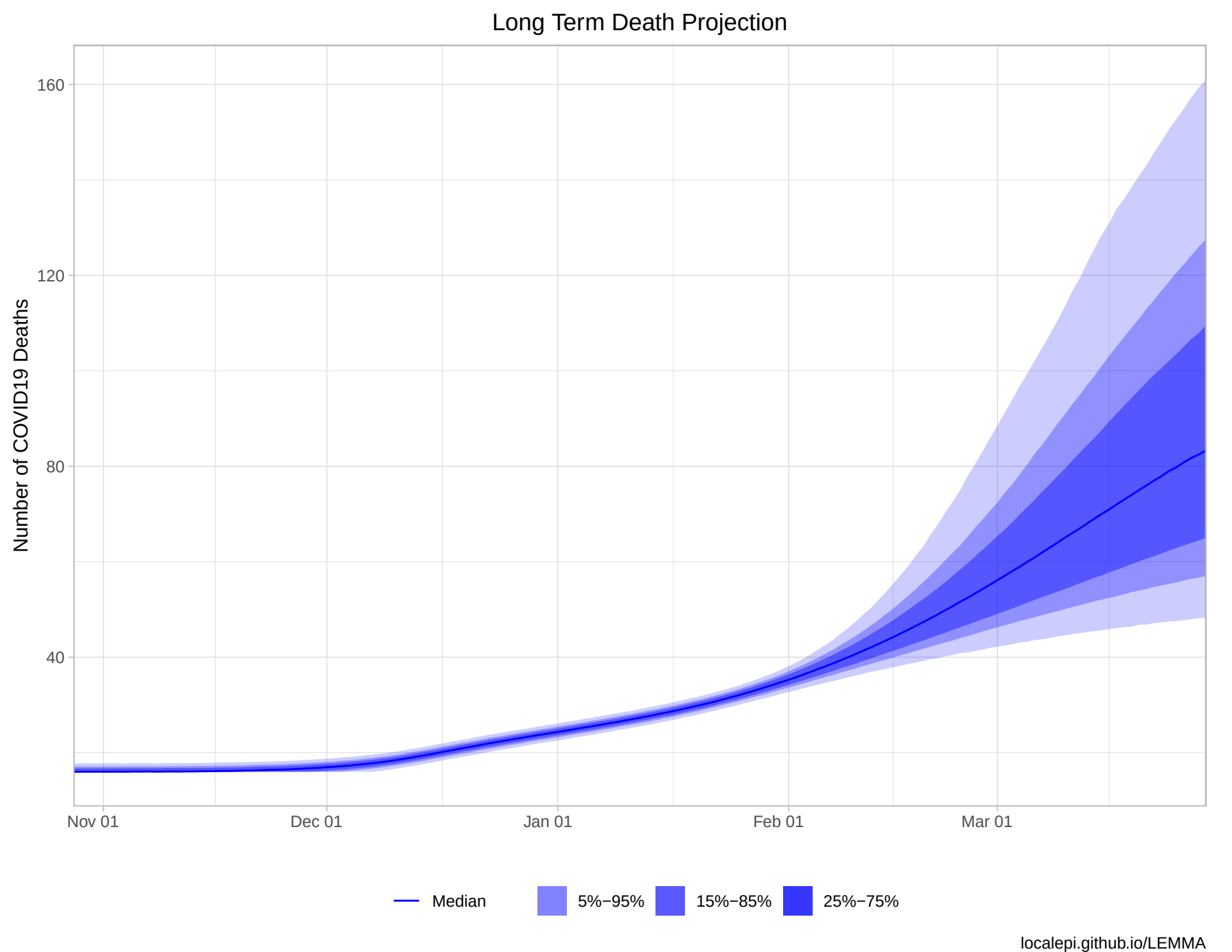

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Nov 01
Dec 01
Jan 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

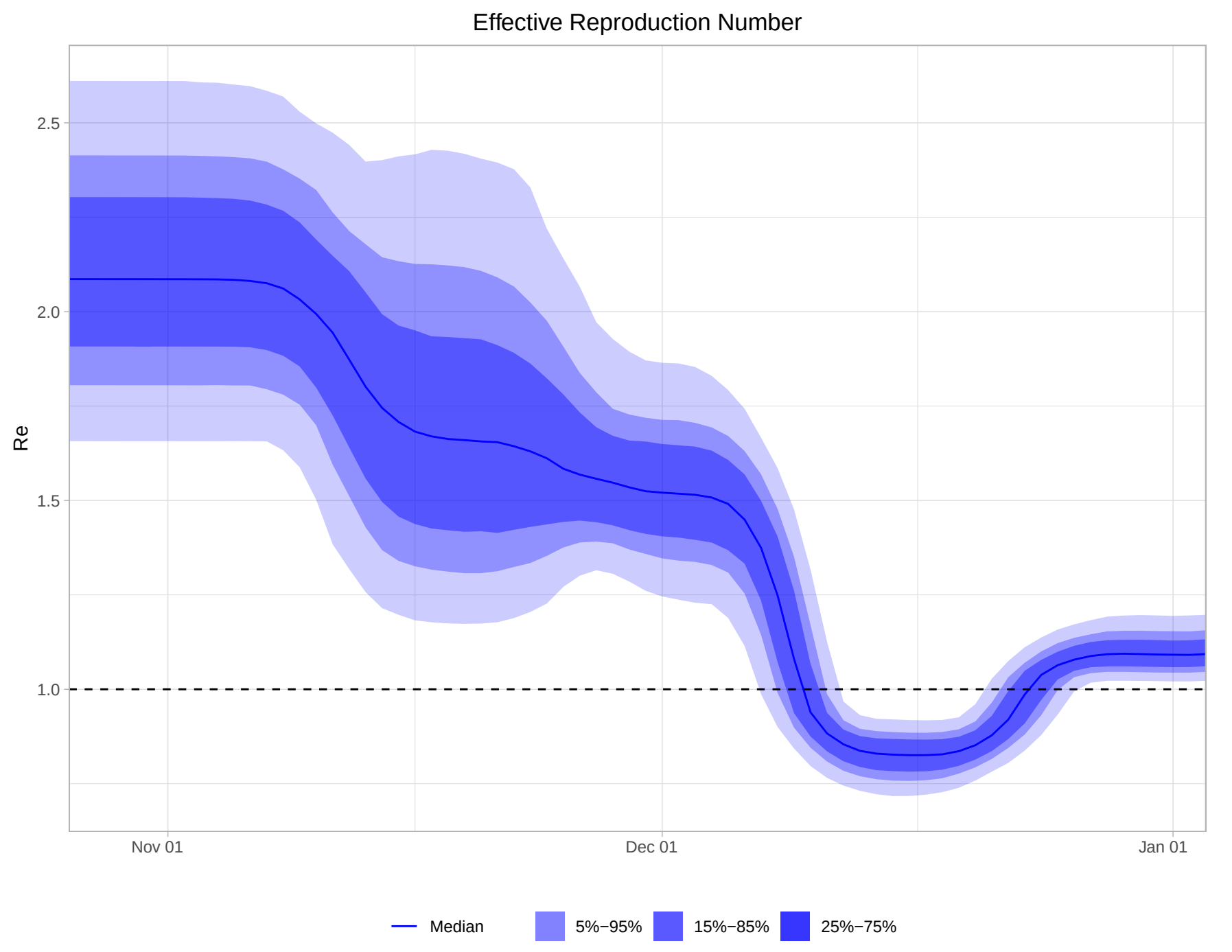

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
30
60
90
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
0
2
4
6
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
0
10
20
30
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

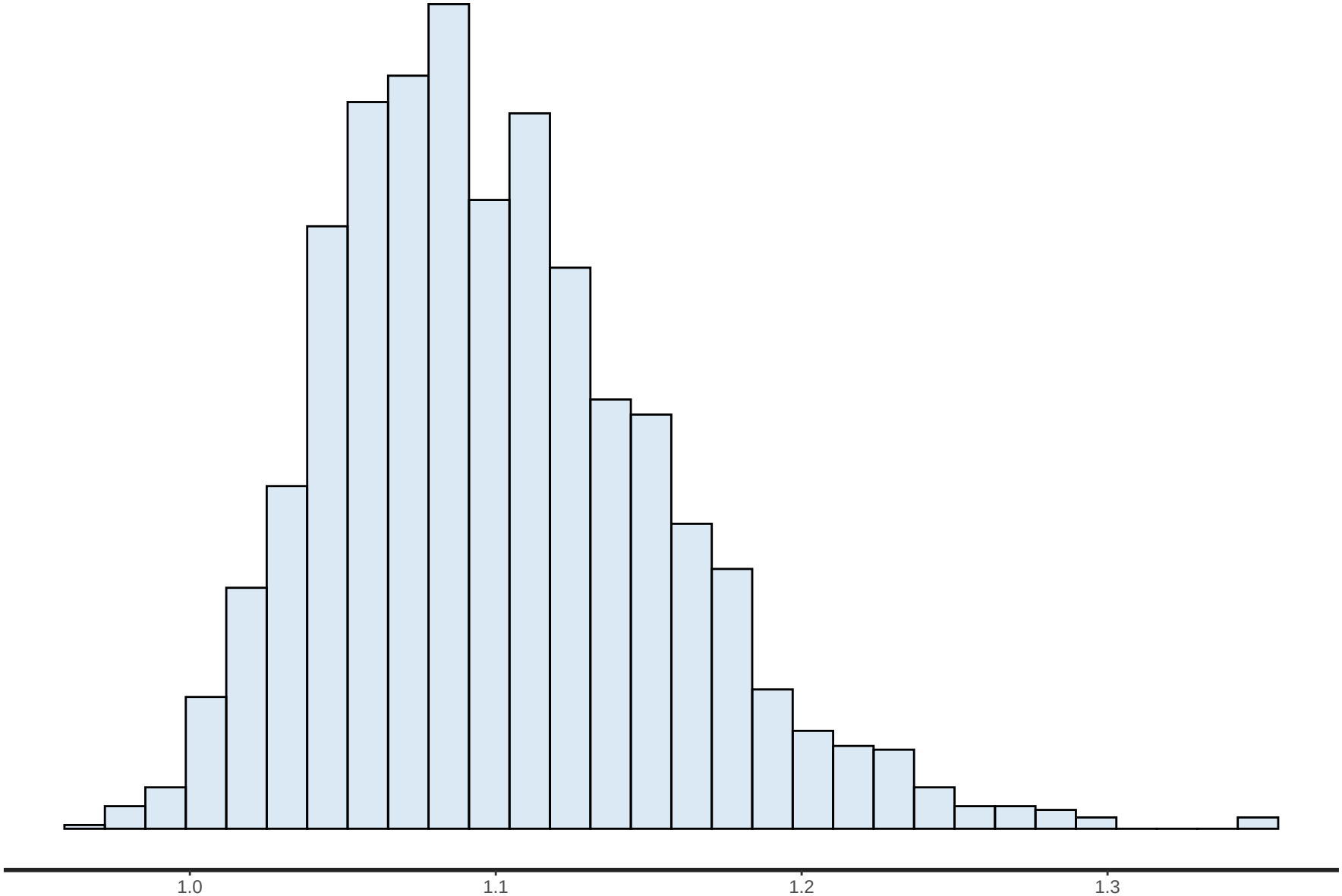

Short Term Death Projection
Number of COVID19 Deaths
30
25
20
Nov 01
Dec 01
Jan 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

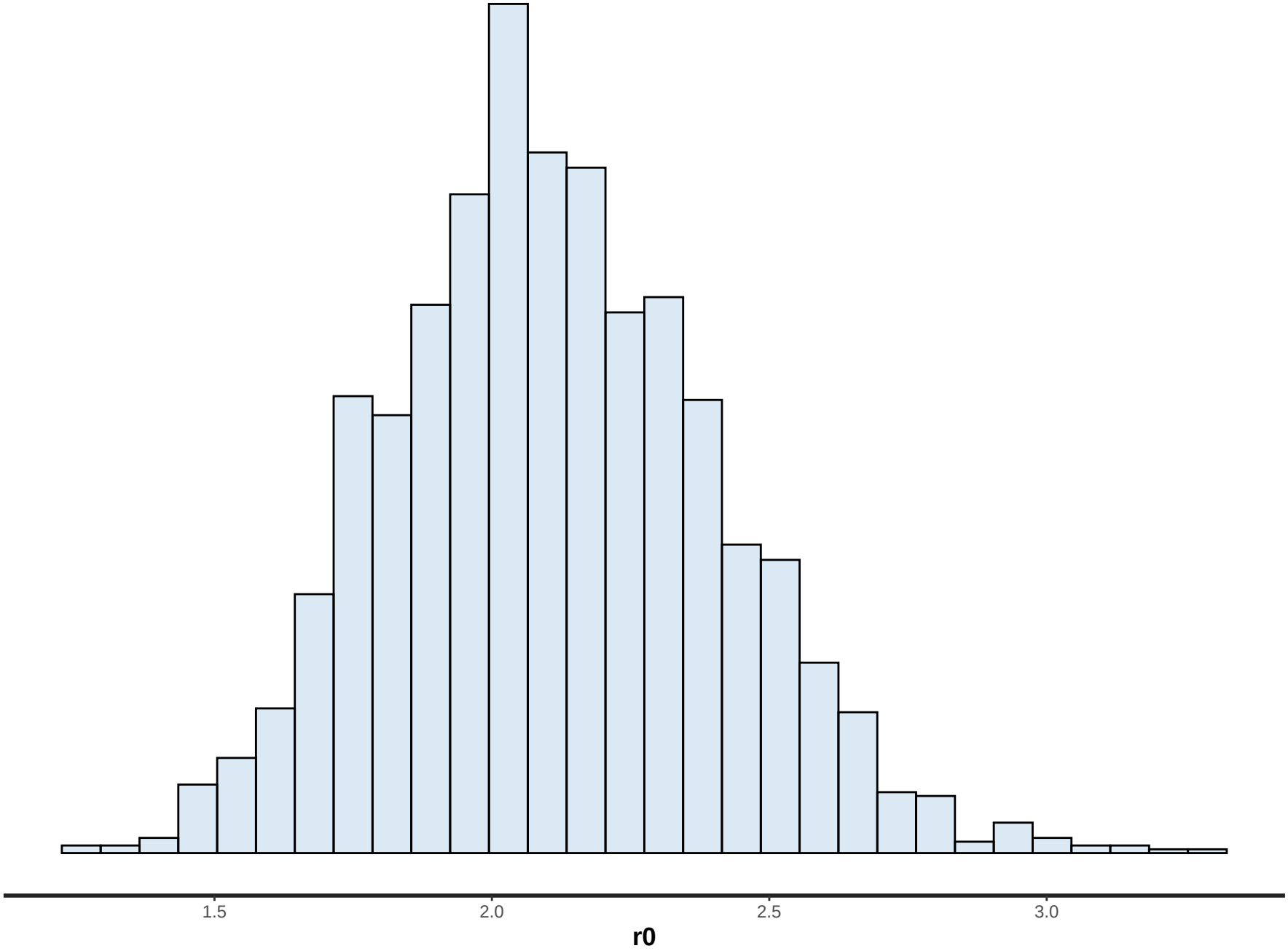

Long Term Death Projection
Number of COVID19 Deaths
160
120
80
40
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

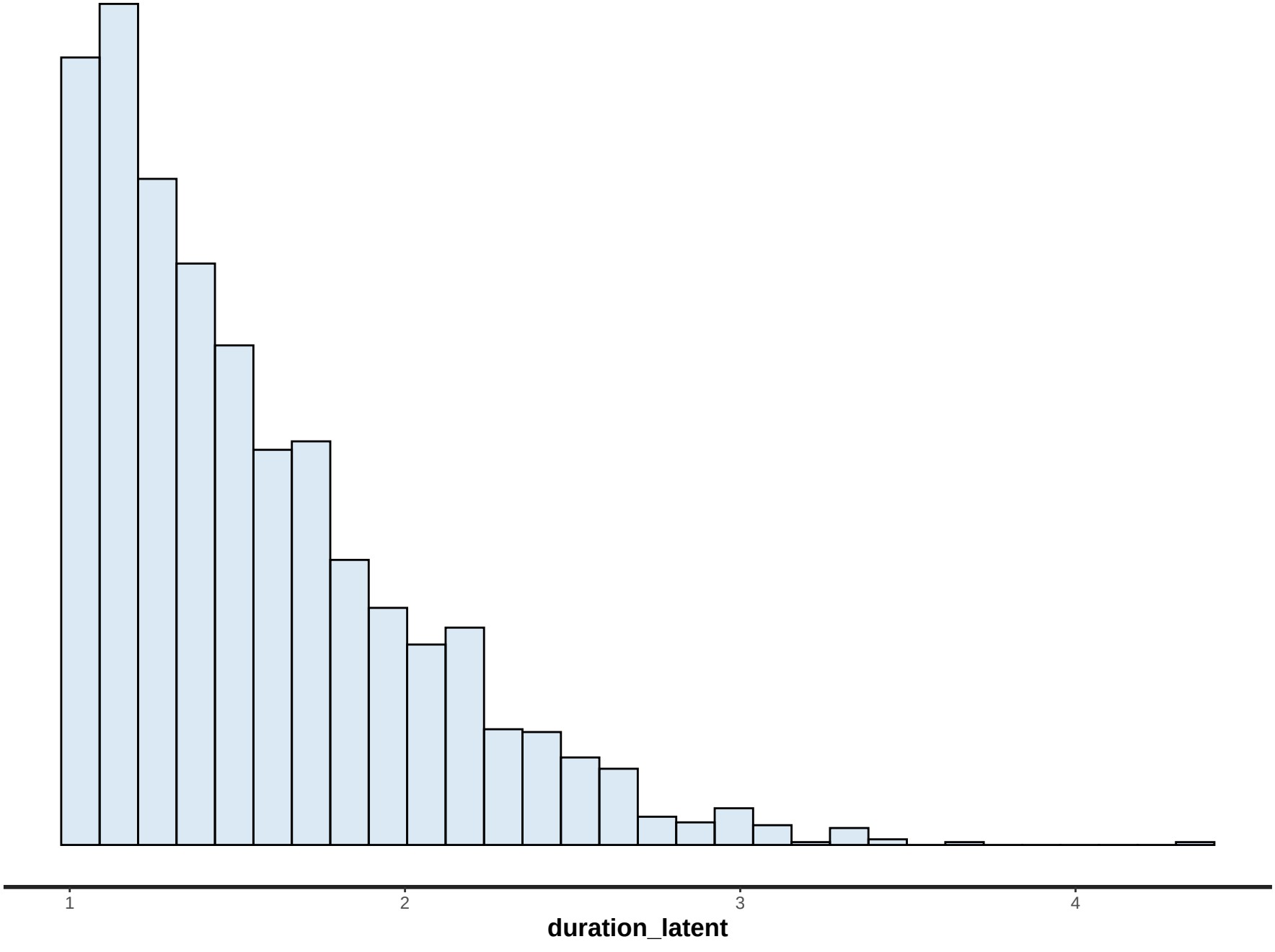

Effective Reproduction Number
Re
2.5
2.0
1.5
1.0
Nov 01
Dec 01
Jan 01
Median
5%−95%
15%−85%
25%−75%

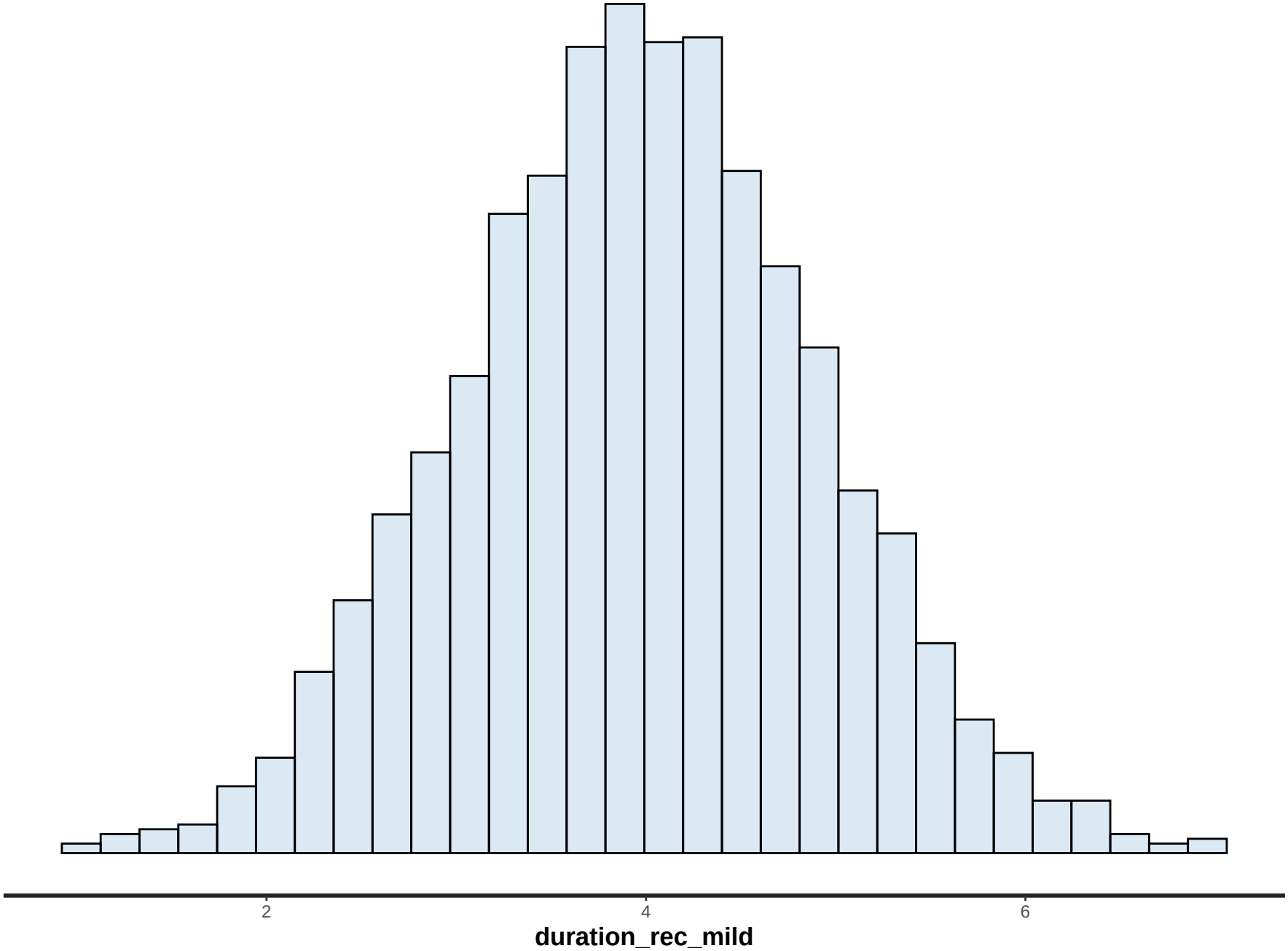
Rt as of 2021−01−03

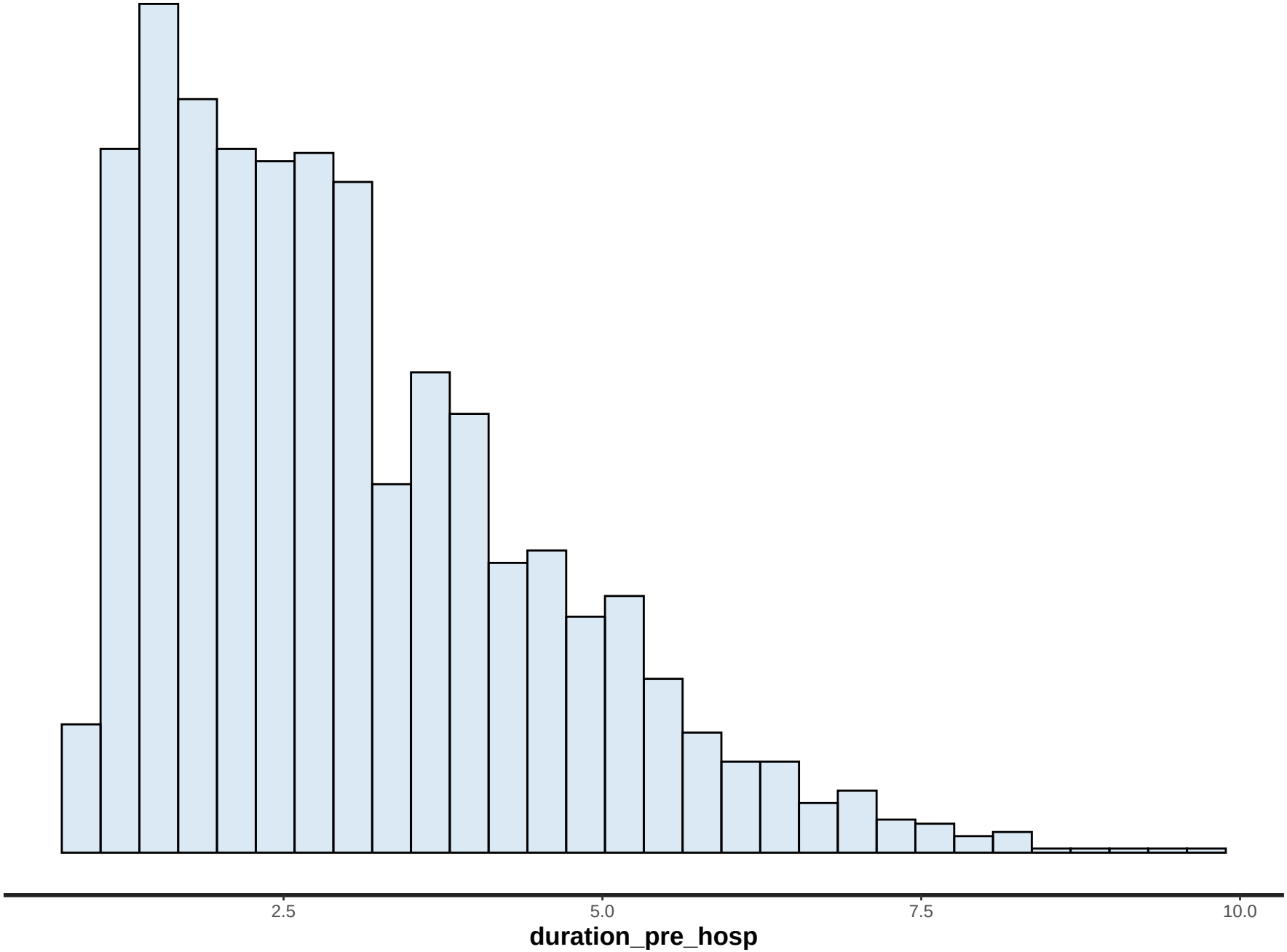
5%	10%	25%	50%	75%	90%	95%
1.02	1.04	1.06	1.09	1.13	1.17	1.20

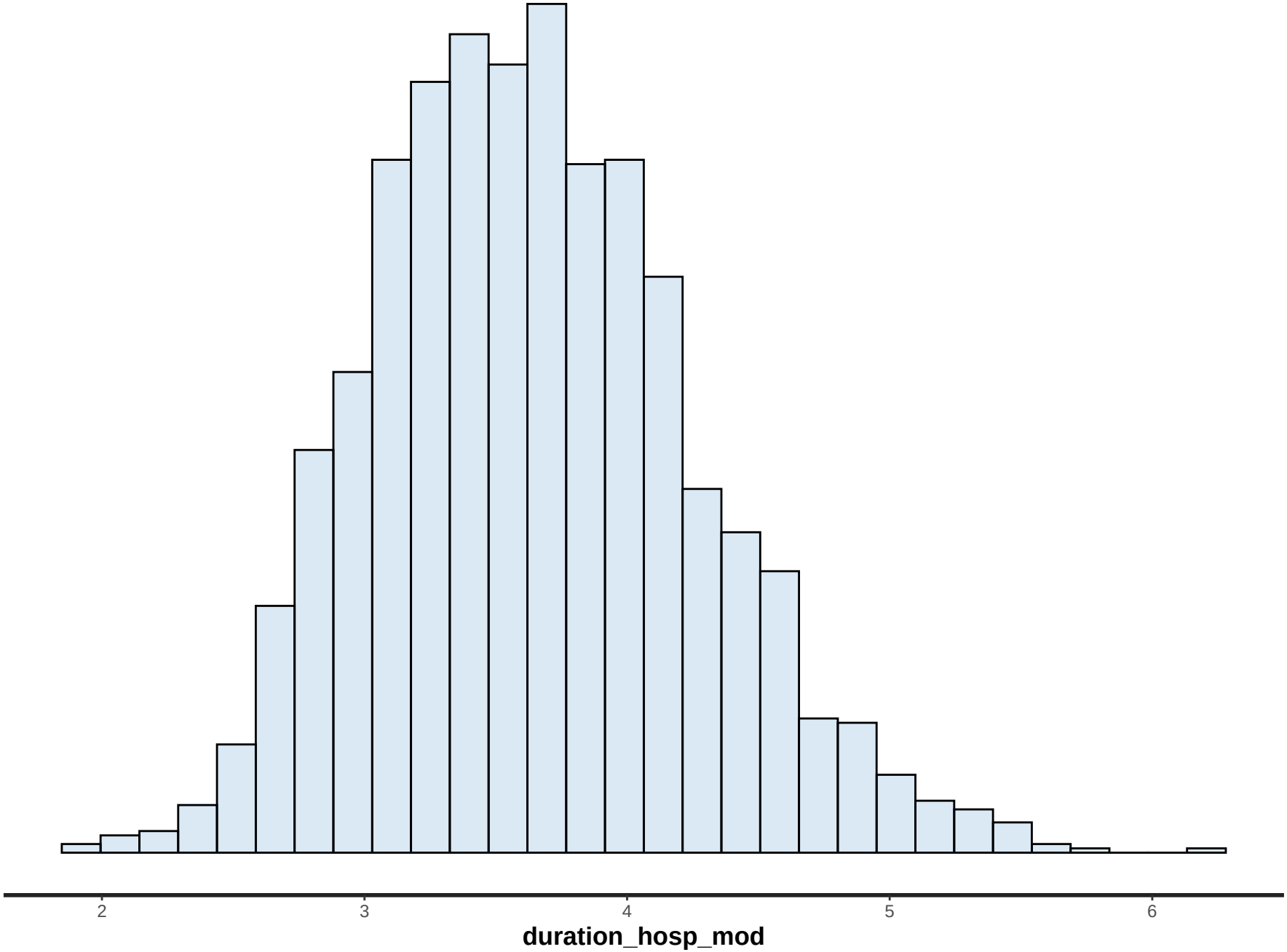


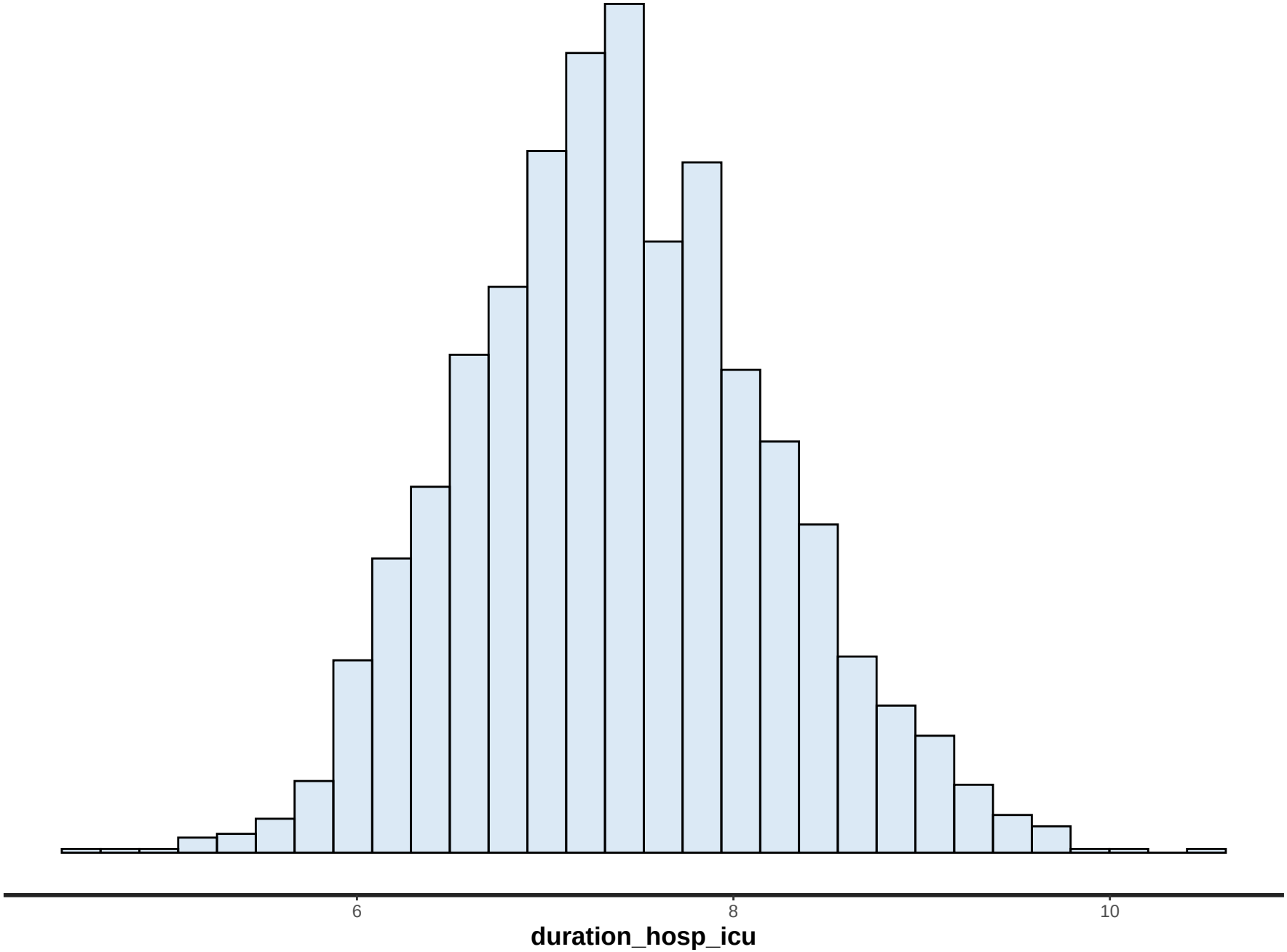

1.5
2.0
2.5
3.0
r0

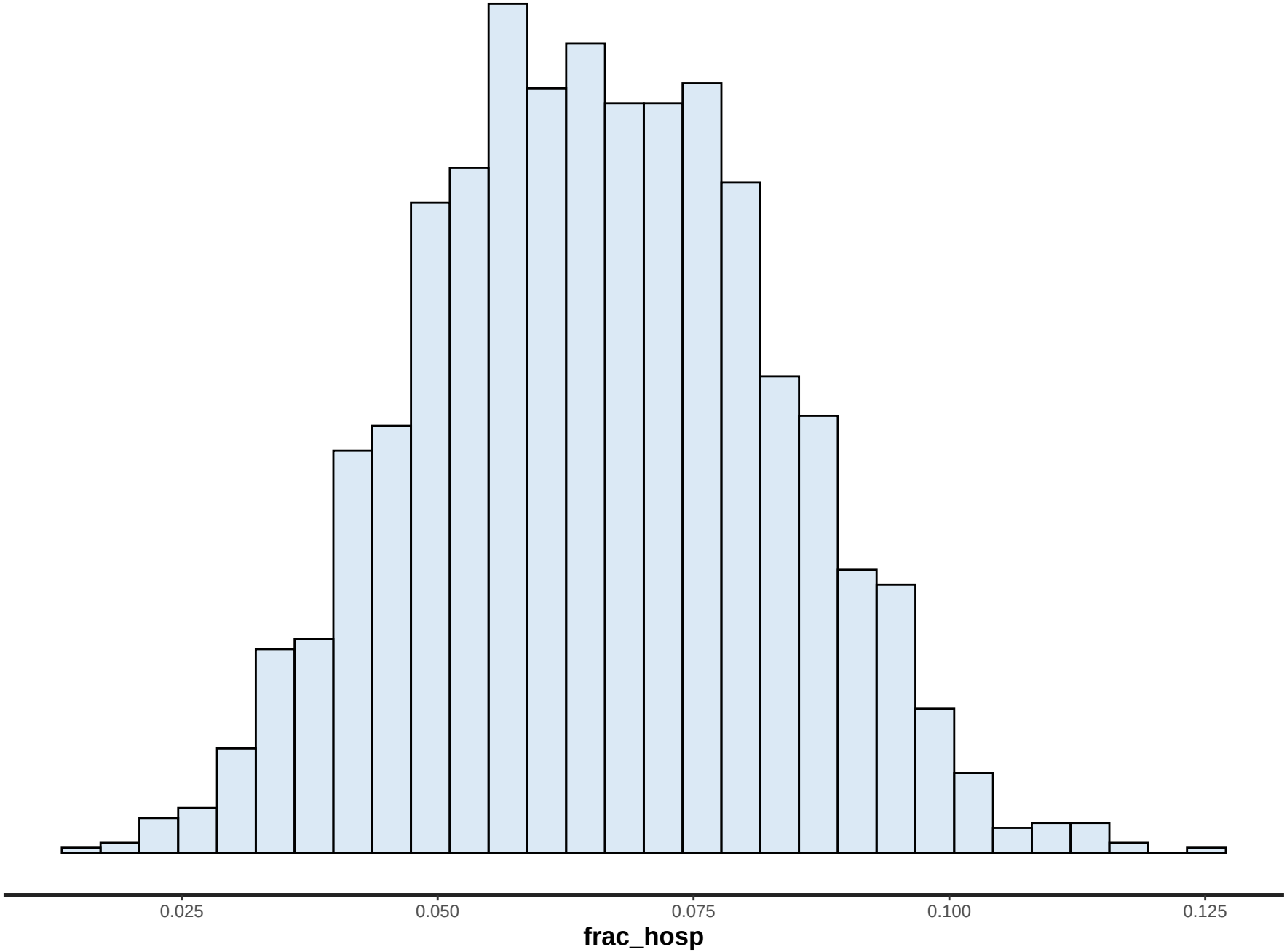

1
2
3
4
duration_latent

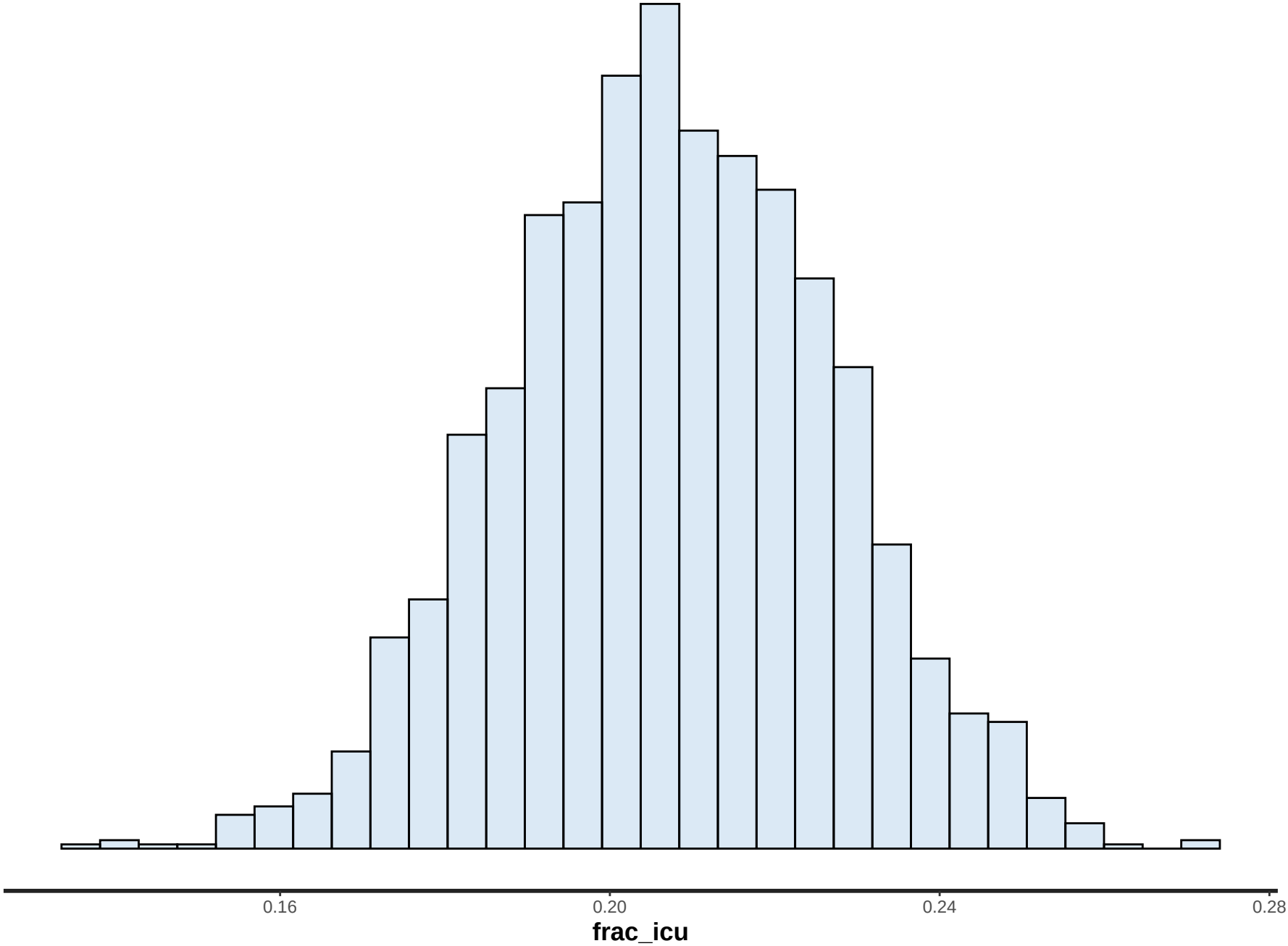

2
4
6
duration_rec_mild

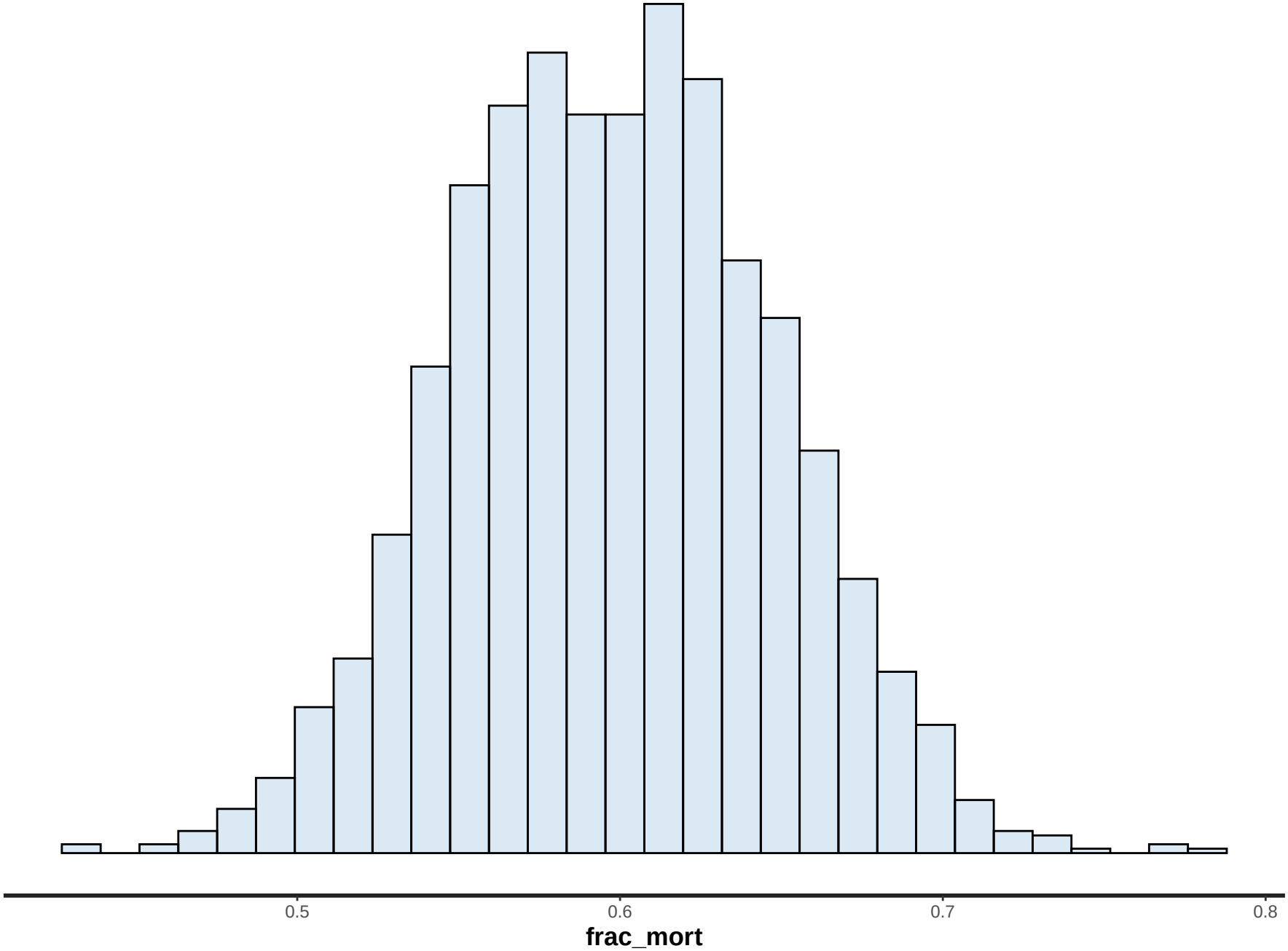

2.5
5.0
7.5
10.0
duration_pre_hosp

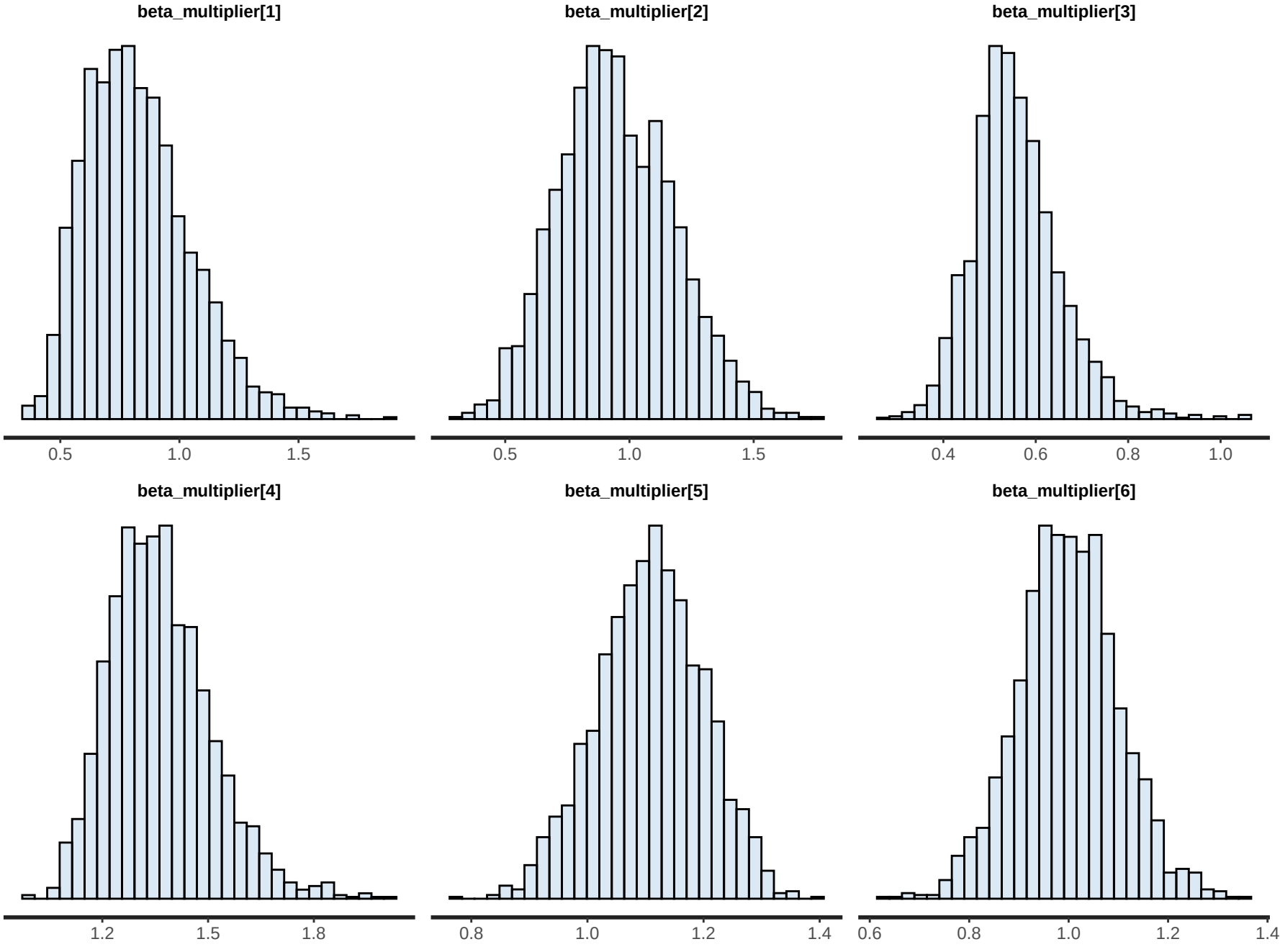

2
3
4
5
6
duration_hosp_mod

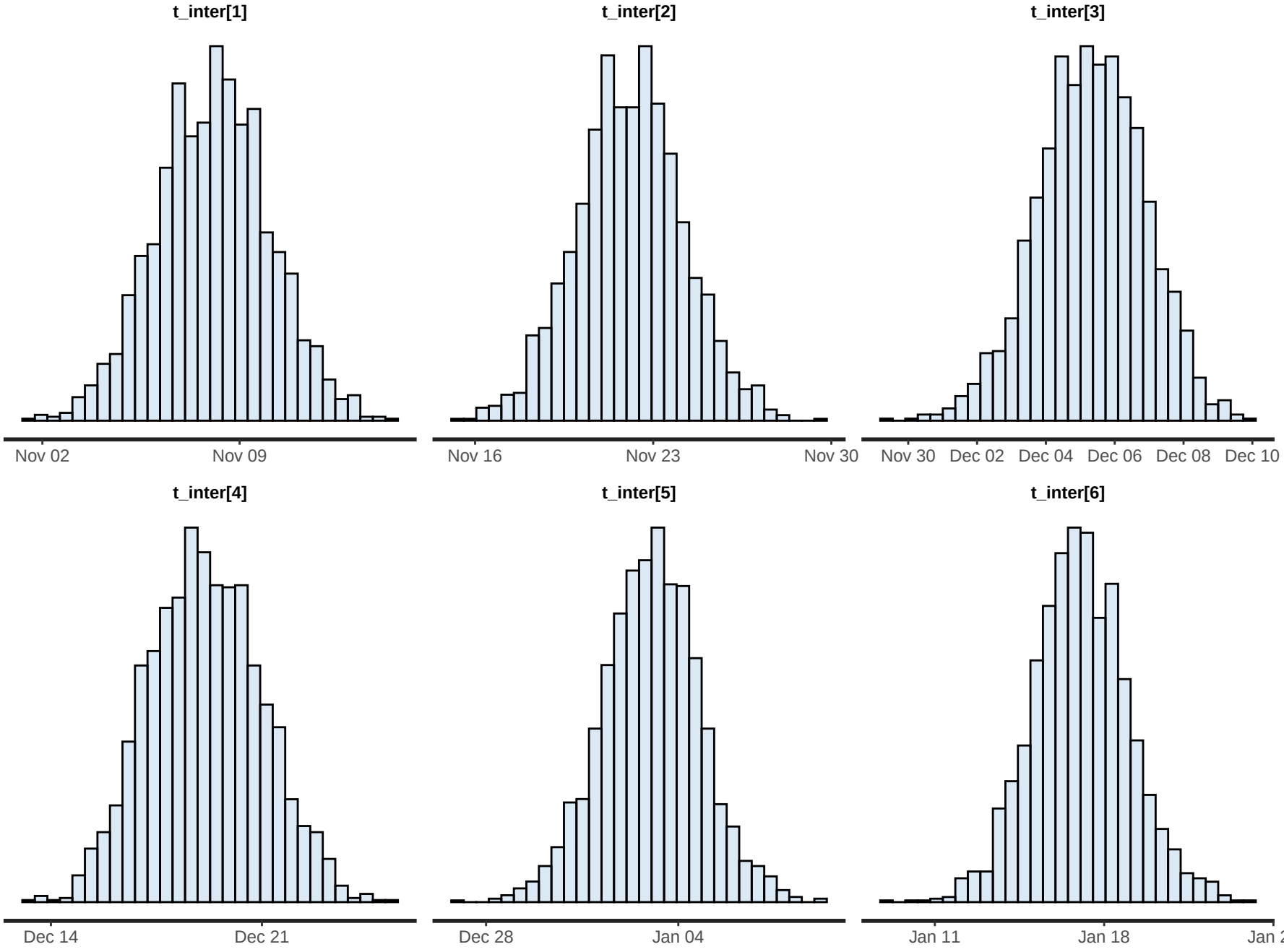

6
8
10
duration_hosp_icu

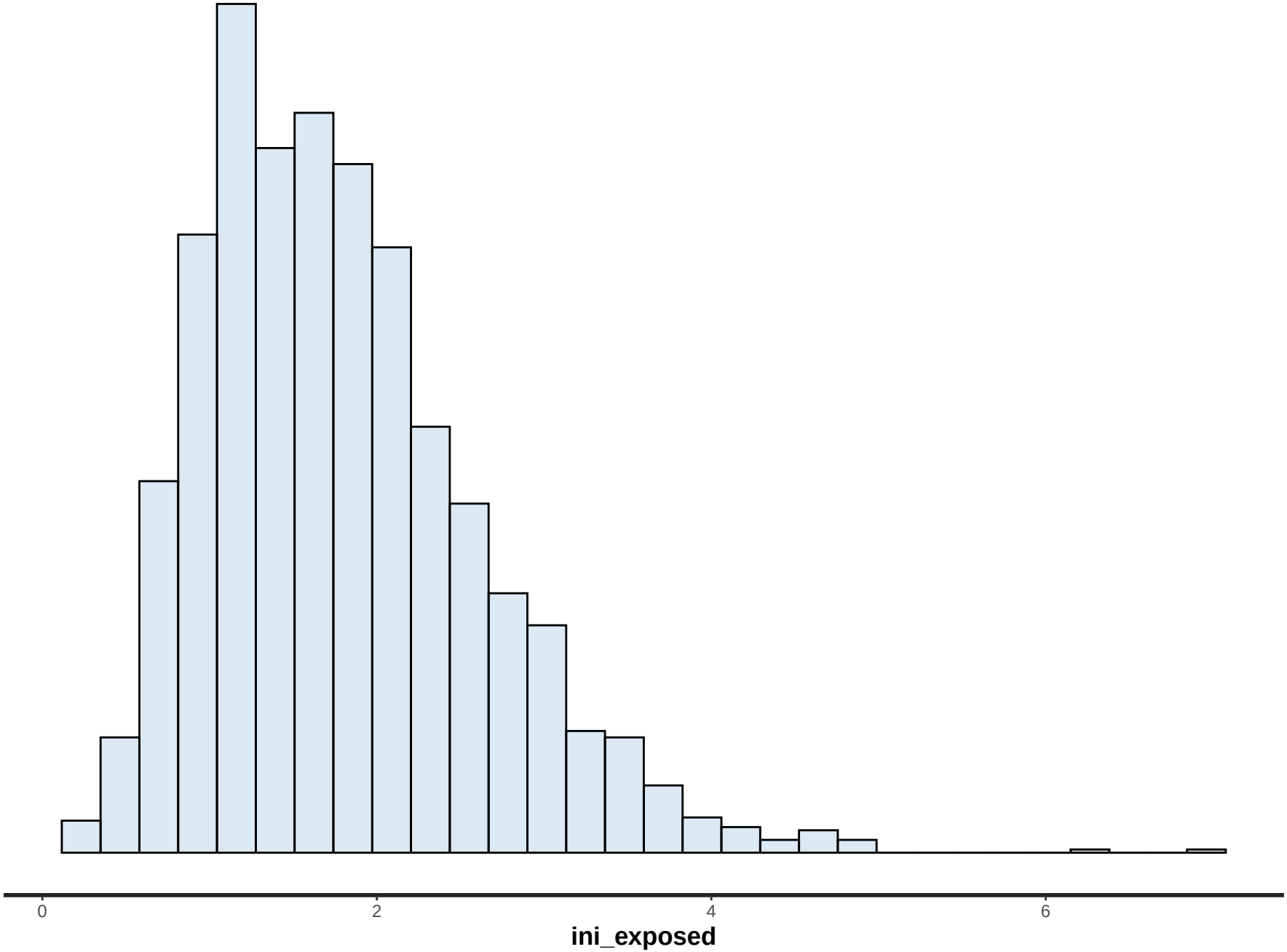

0.025
0.050
0.075
0.100
0.125
frac_hosp

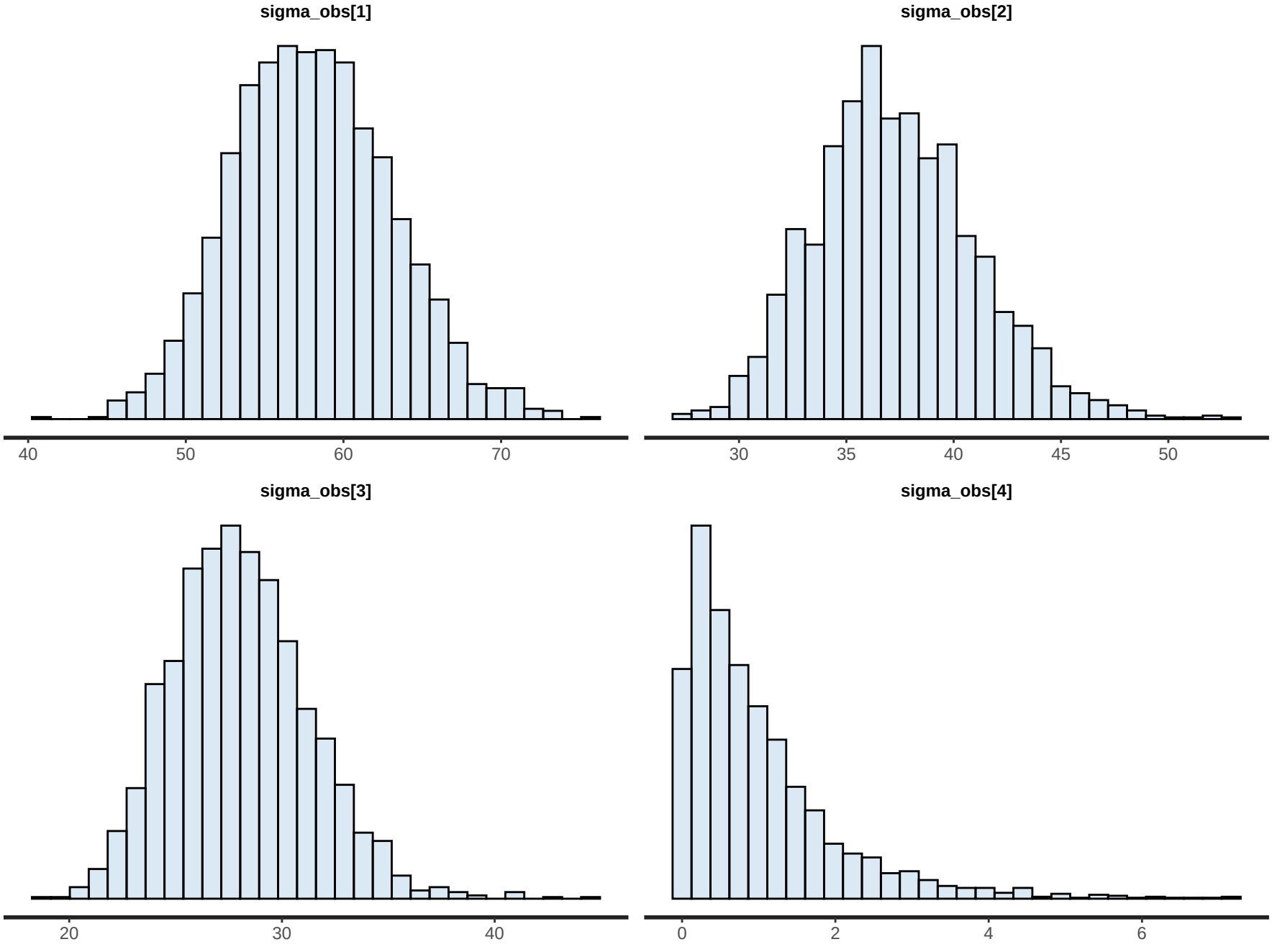

0.16
0.20
0.24
0.28
frac_icu


0.5
0.6
0.7
0.8
frac_mort


beta_multiplier[1]
0.5
1.0
1.5
beta_multiplier[2]
0.5
1.0
1.5
beta_multiplier[3]
0.4
0.6
0.8
1.0
beta_multiplier[4]
1.2
1.5
1.8
beta_multiplier[5]
0.8
1.0
1.2
1.4
beta_multiplier[6]
0.6
0.8
1.0
1.2
1.4


t_inter[1]
Nov 02
Nov 09
t_inter[2]
Nov 16
Nov 23
Nov 30
t_inter[3]
Nov 30
Dec 02
Dec 04
Dec 06
Dec 08
Dec 10
t_inter[4]
Dec 14
Dec 21
t_inter[5]
Dec 28
Jan 04
t_inter[6]
Jan 11
Jan 18


0
2
4
6
ini_exposed


sigma_obs[1]
40
50
60
70
sigma_obs[2]
30
35
40
45
50
sigma_obs[3]
20
30
40
sigma_obs[4]
0
2
4
6