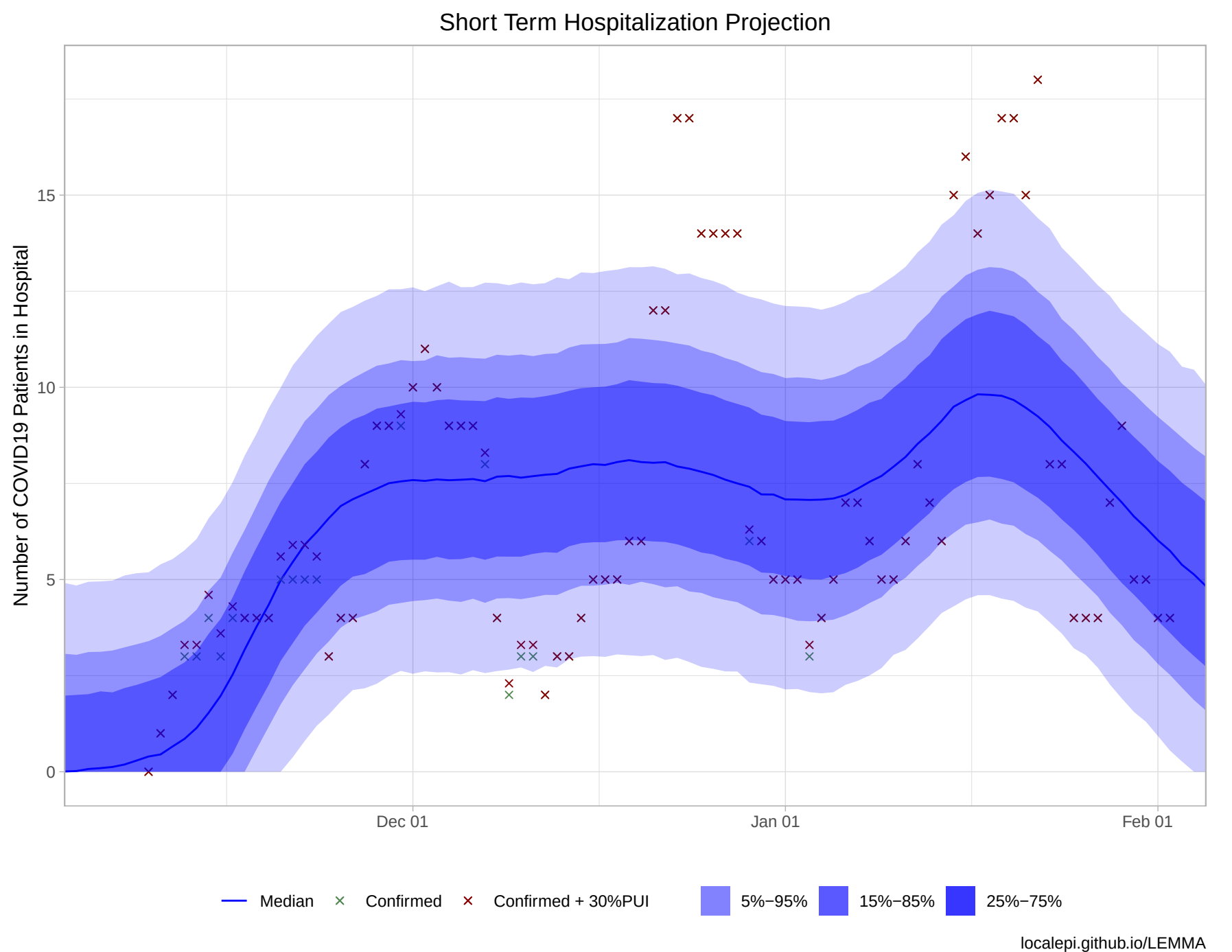
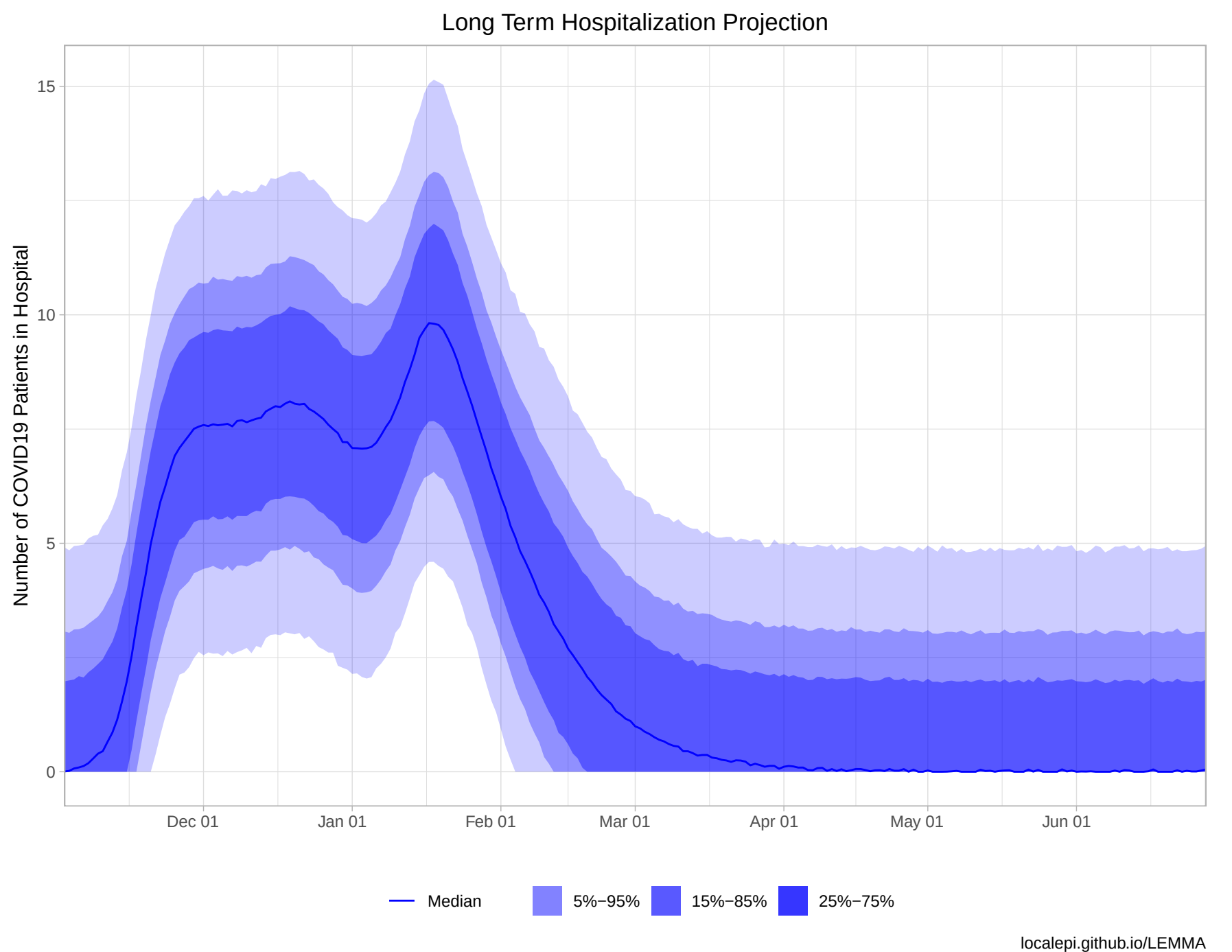
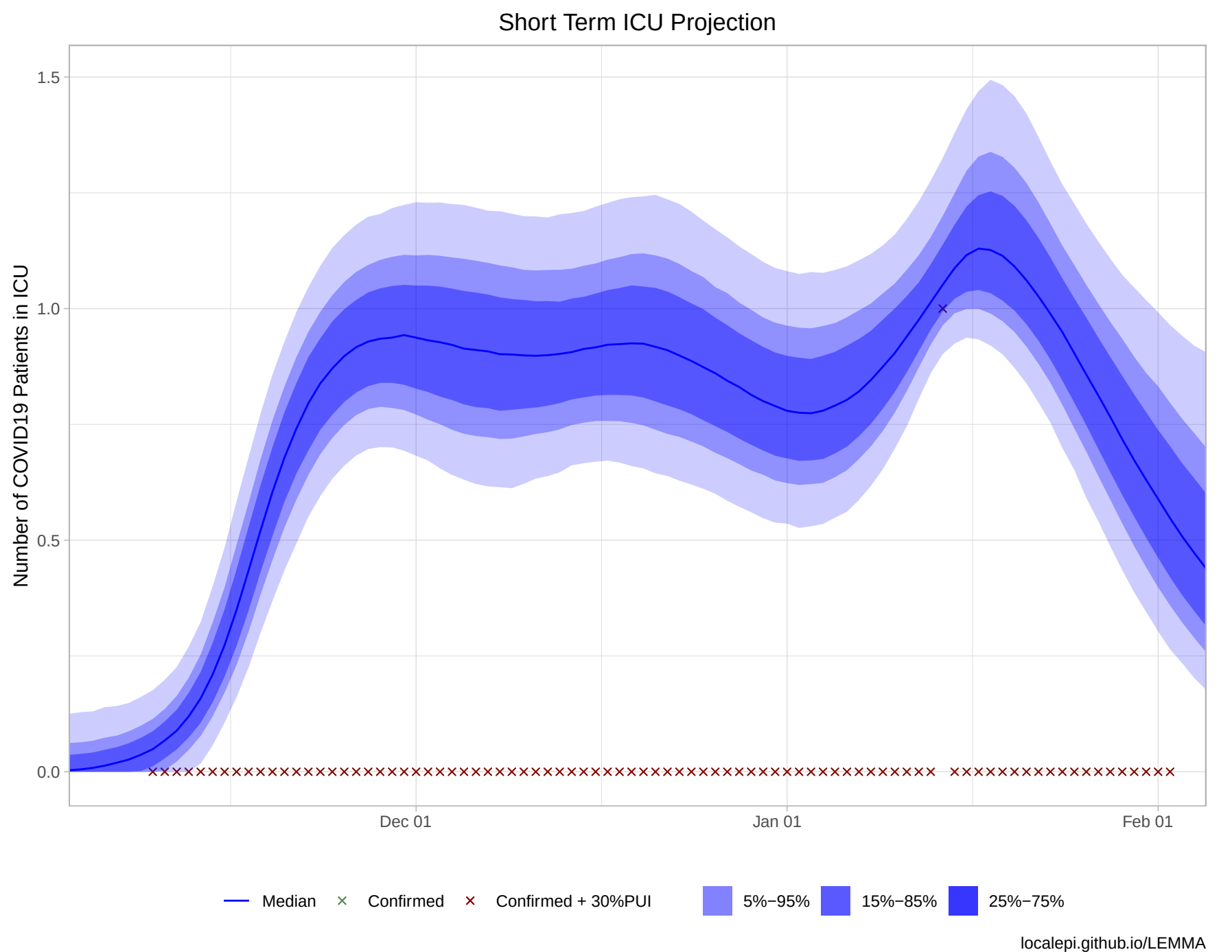
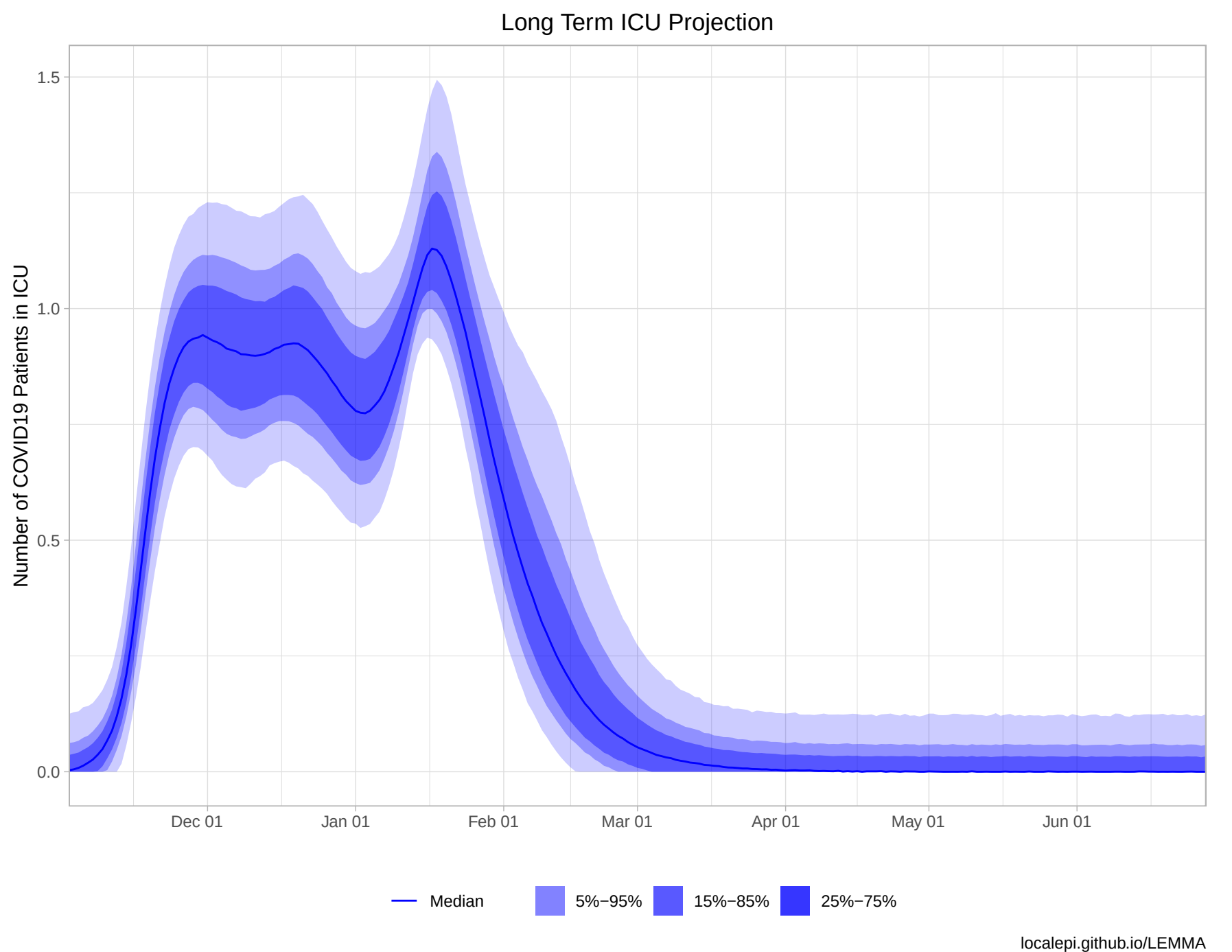
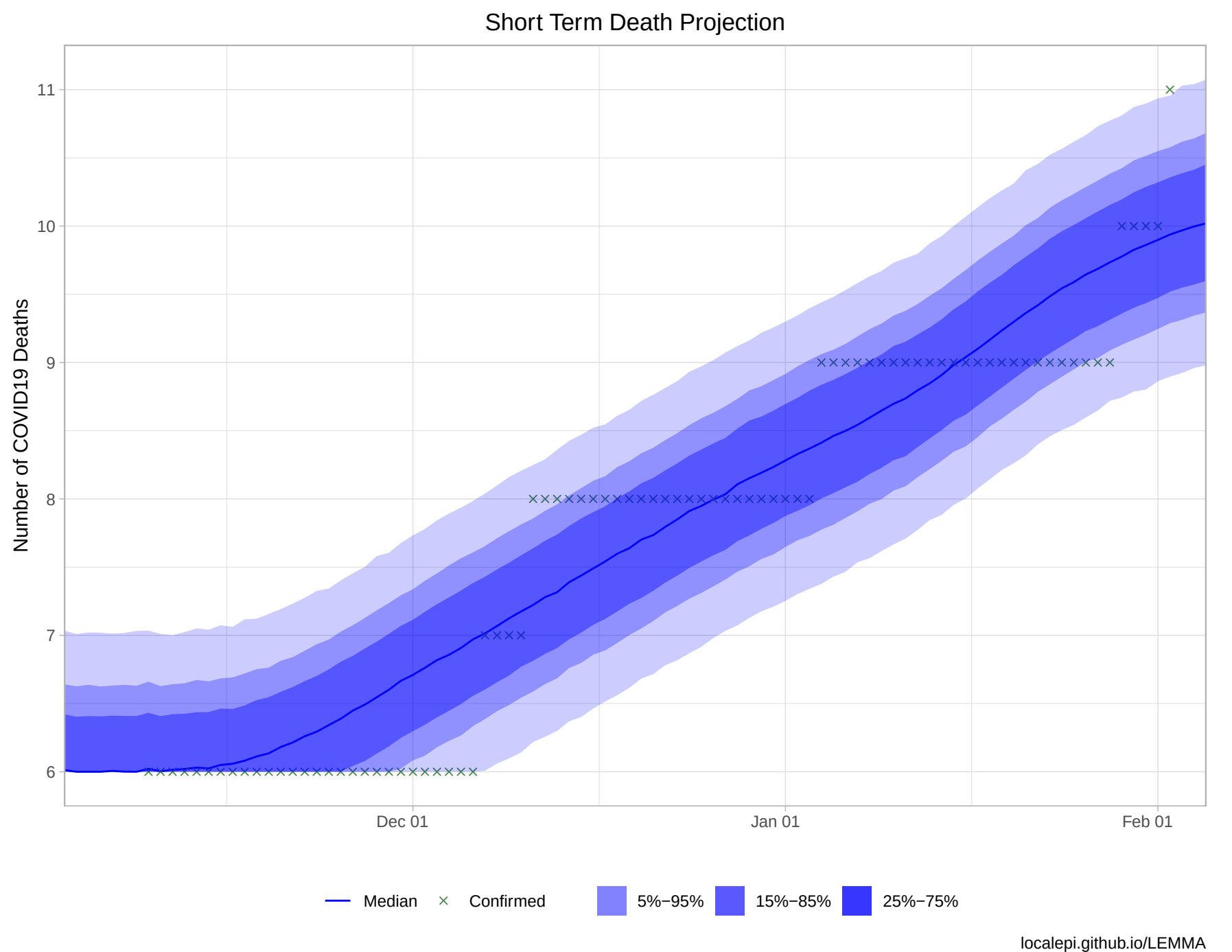
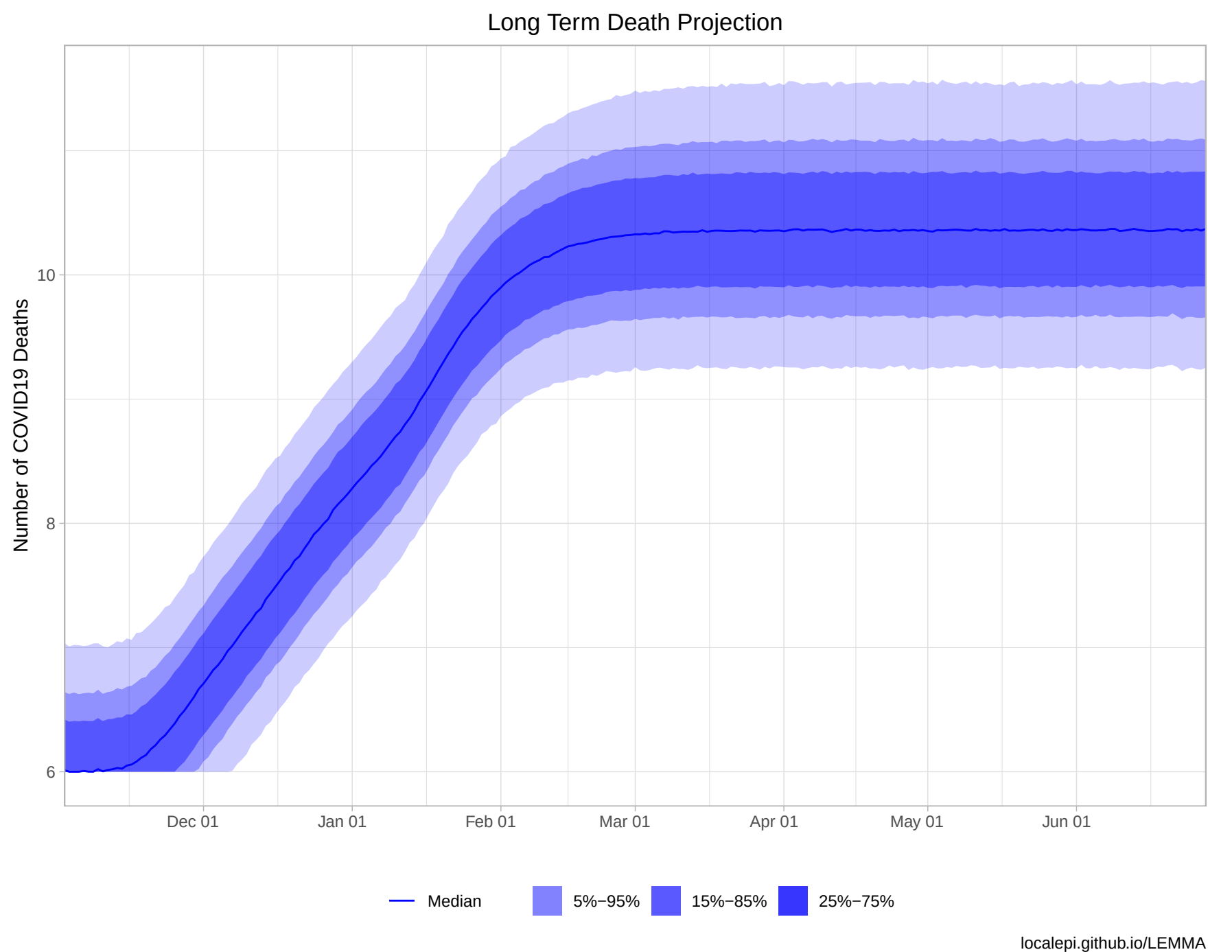

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
5
10
15
Dec 01
Jan 01
Feb 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

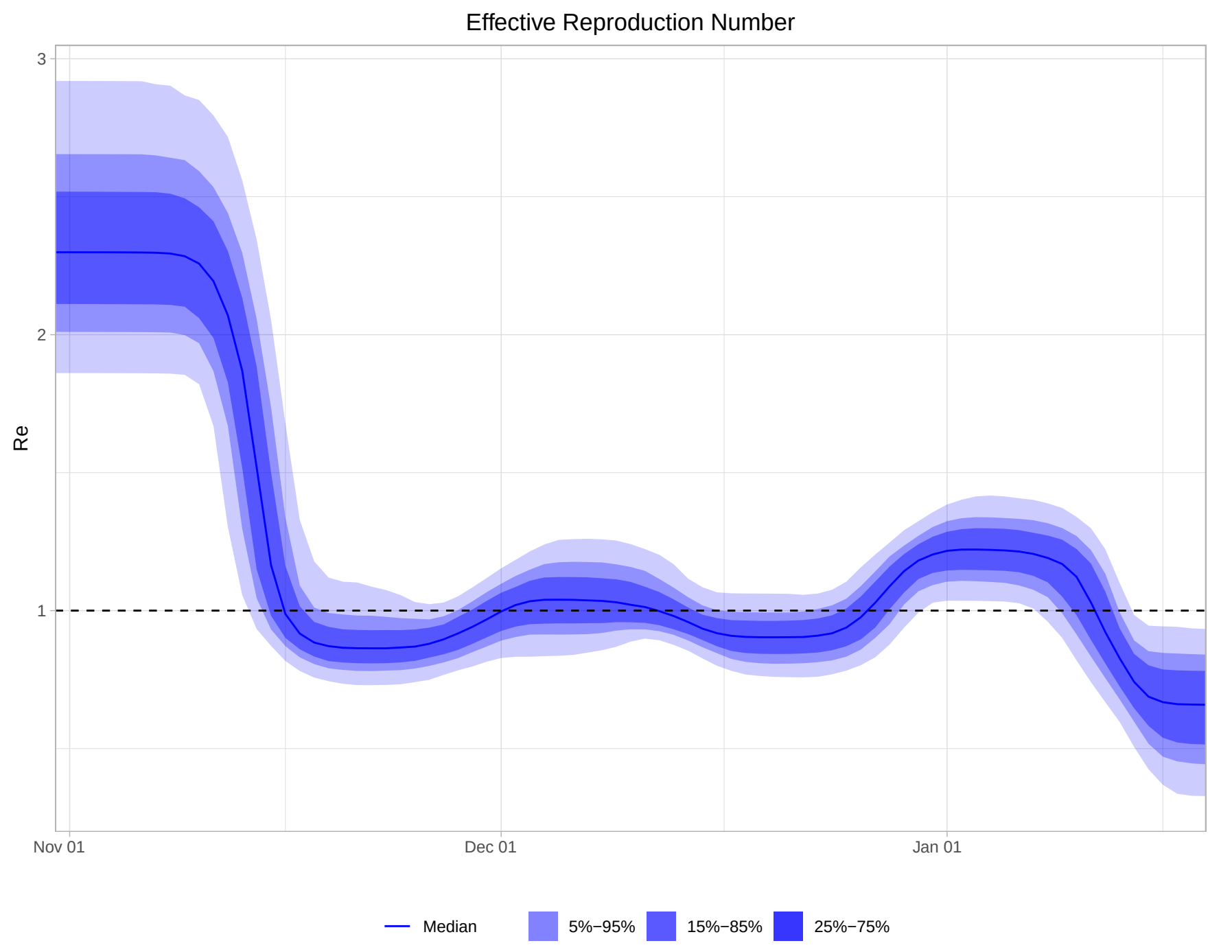

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
15
10
5
0
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
1.5
1.0
0.5
0.0
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
1.5
1.0
0.5
0.0
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

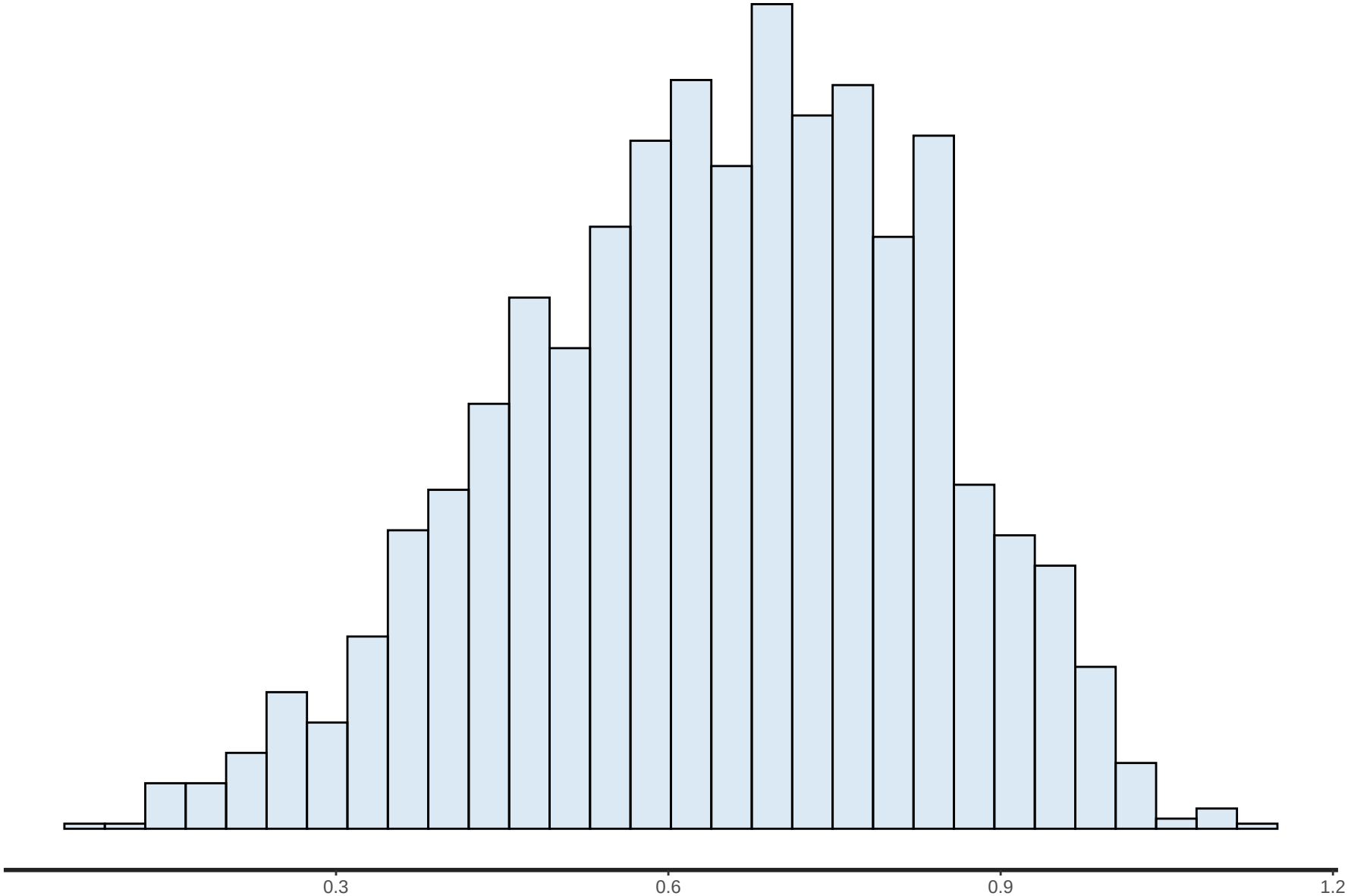

Short Term Death Projection
Number of COVID19 Deaths
11
10
9
8
7
6
Dec 01
Jan 01
Feb 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

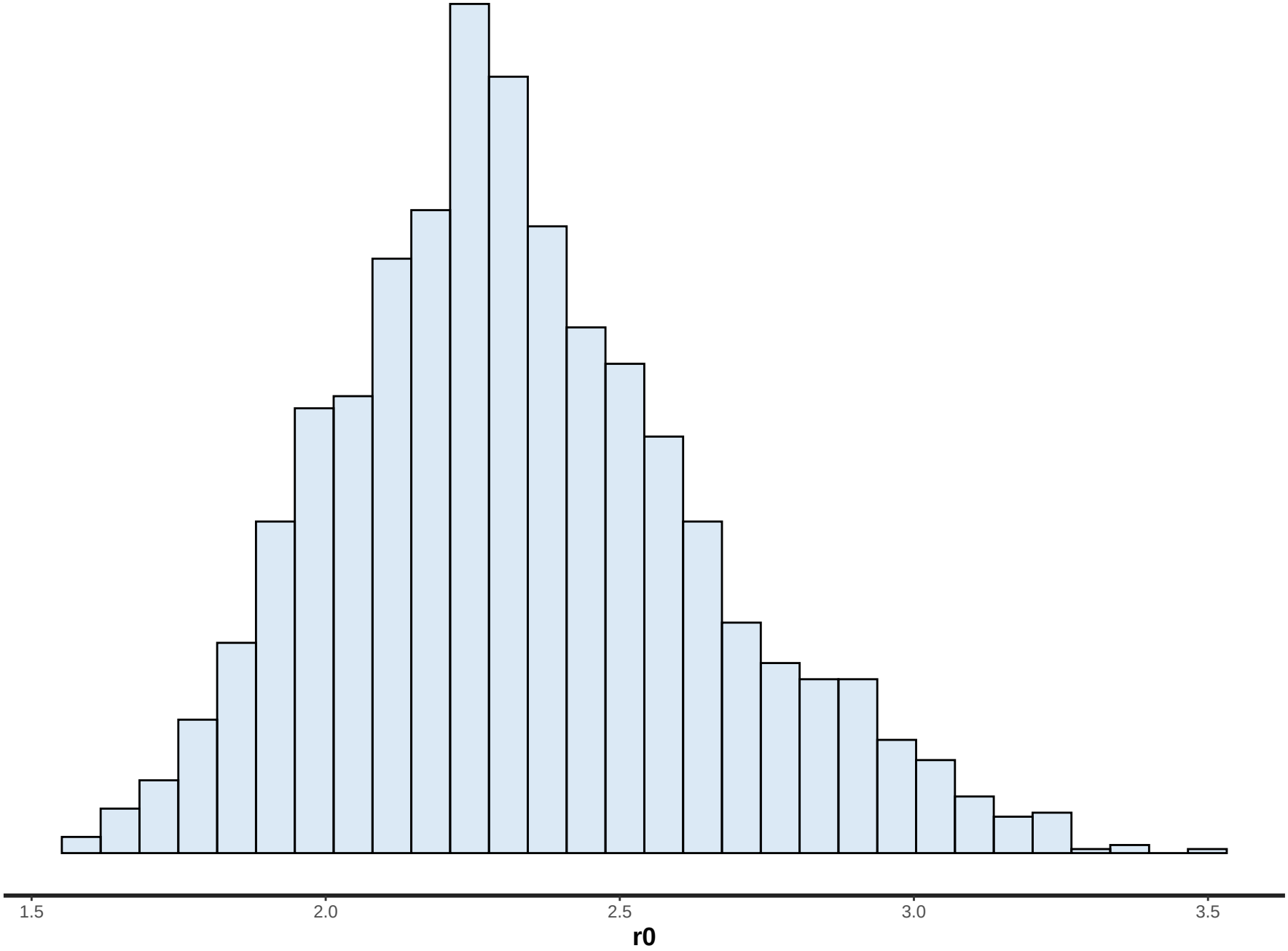

Long Term Death Projection
Number of COVID19 Deaths
10
8
6
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

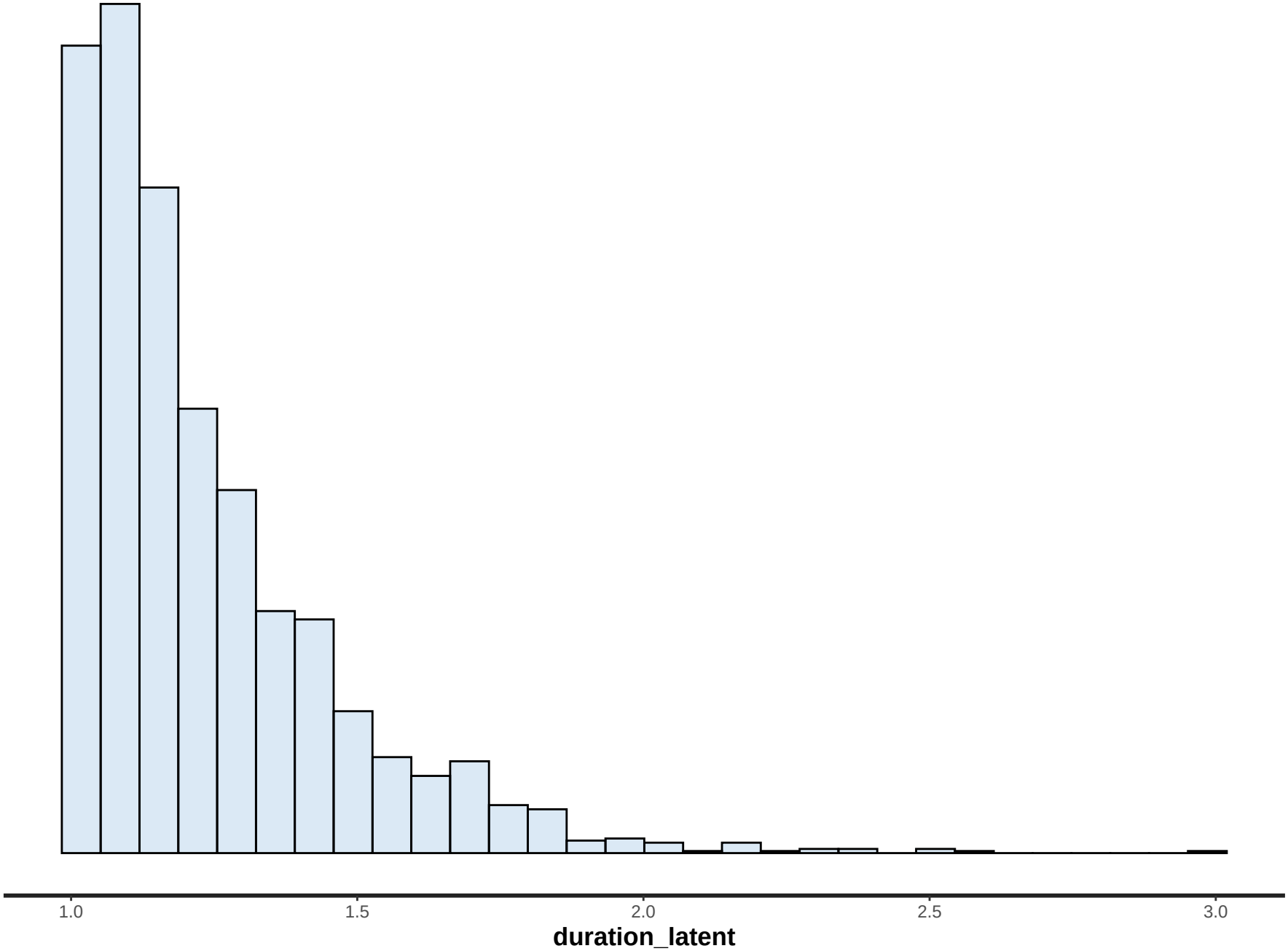

Effective Reproduction Number
Re
3
2
1
Nov 01
Dec 01
Jan 01
Median
5%−95%
15%−85%
25%−75%

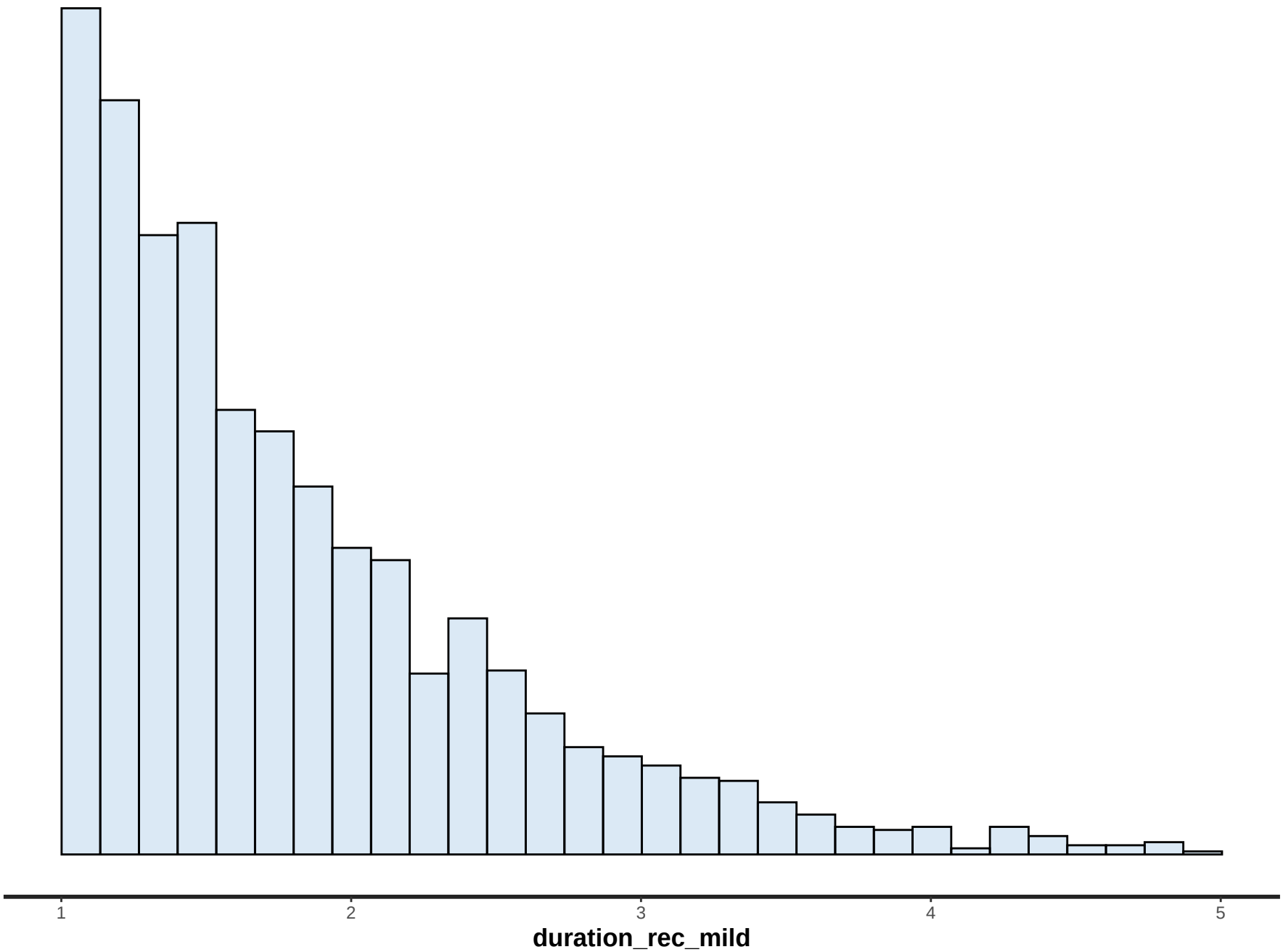
# Rt as of 2021−01−19

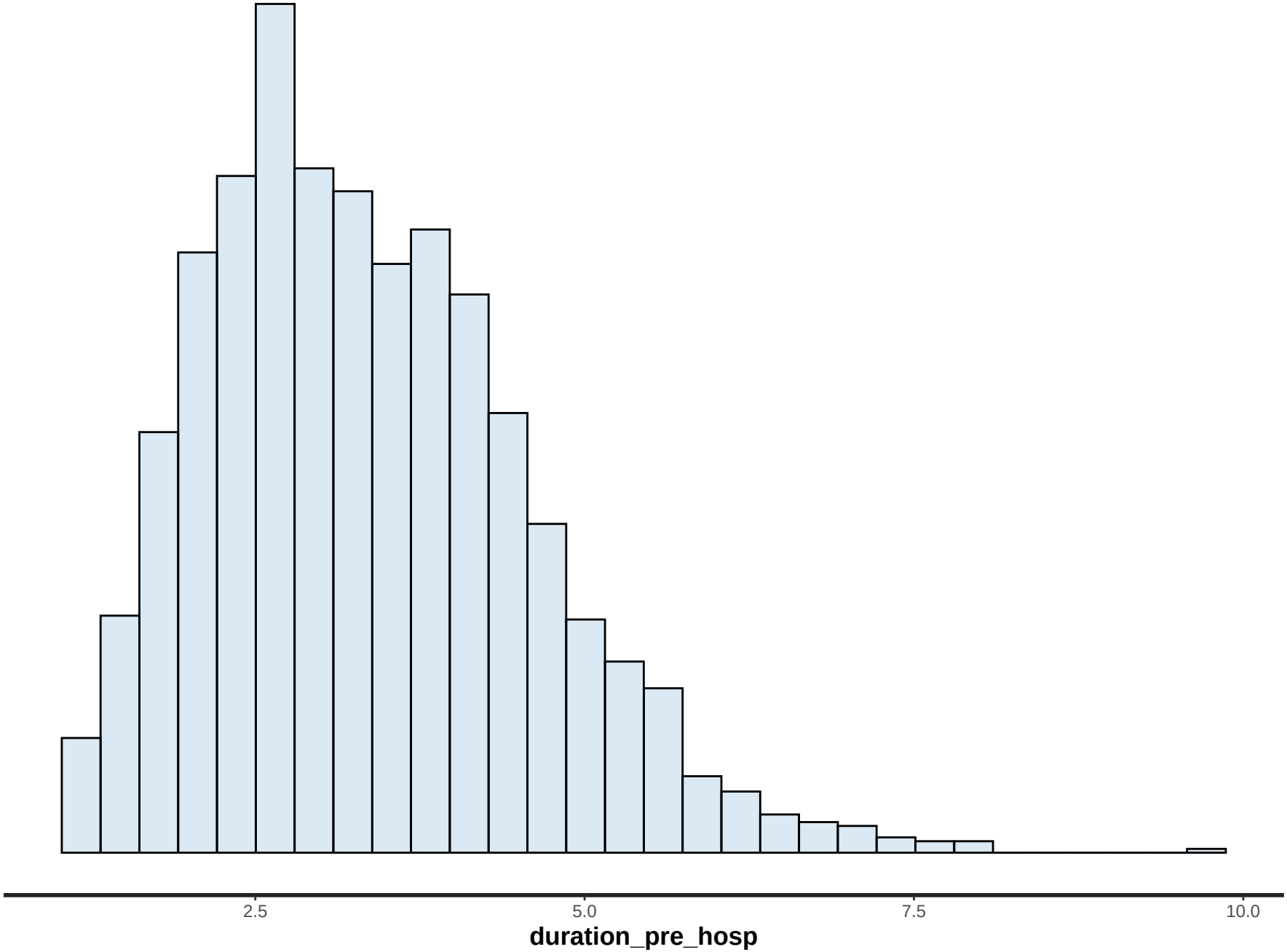
| 5% | 10% | 25% | 50% | 75% | 90% | 95% |
|---|---|---|---|---|---|---|
| 0.33 | 0.40 | 0.51 | 0.66 | 0.78 | 0.88 | 0.93 |

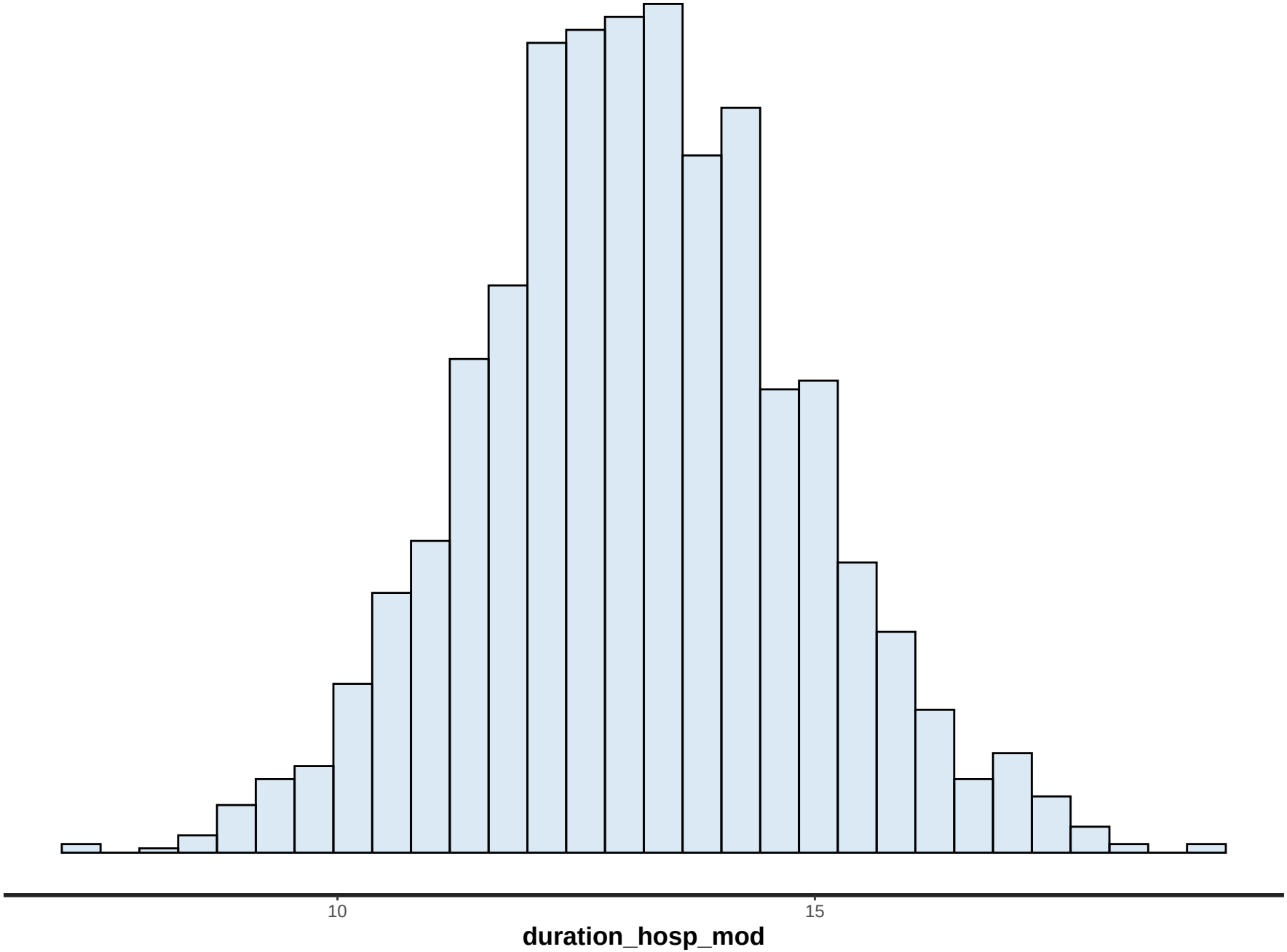


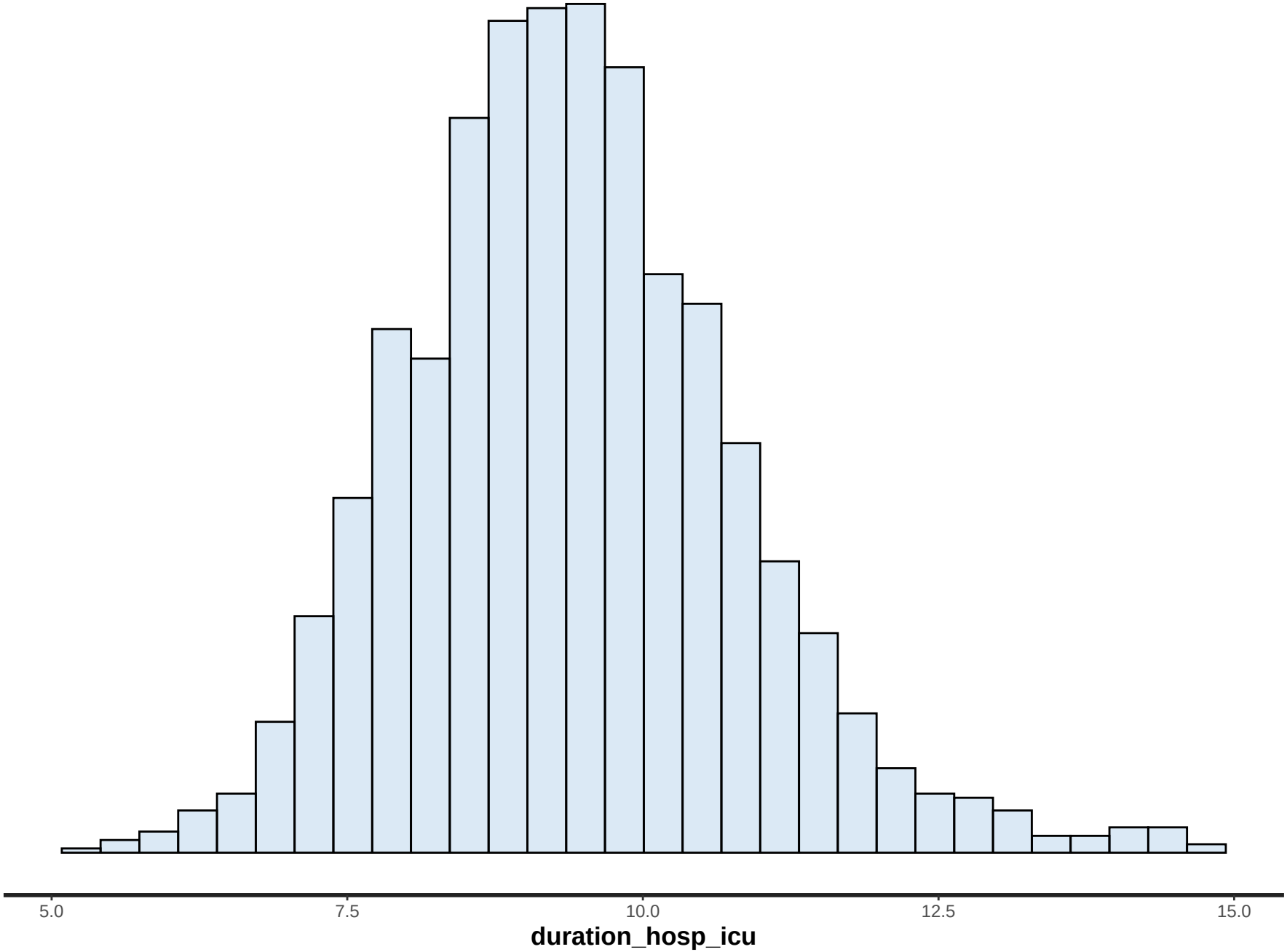

1.5
2.0
2.5
3.0
3.5
r0

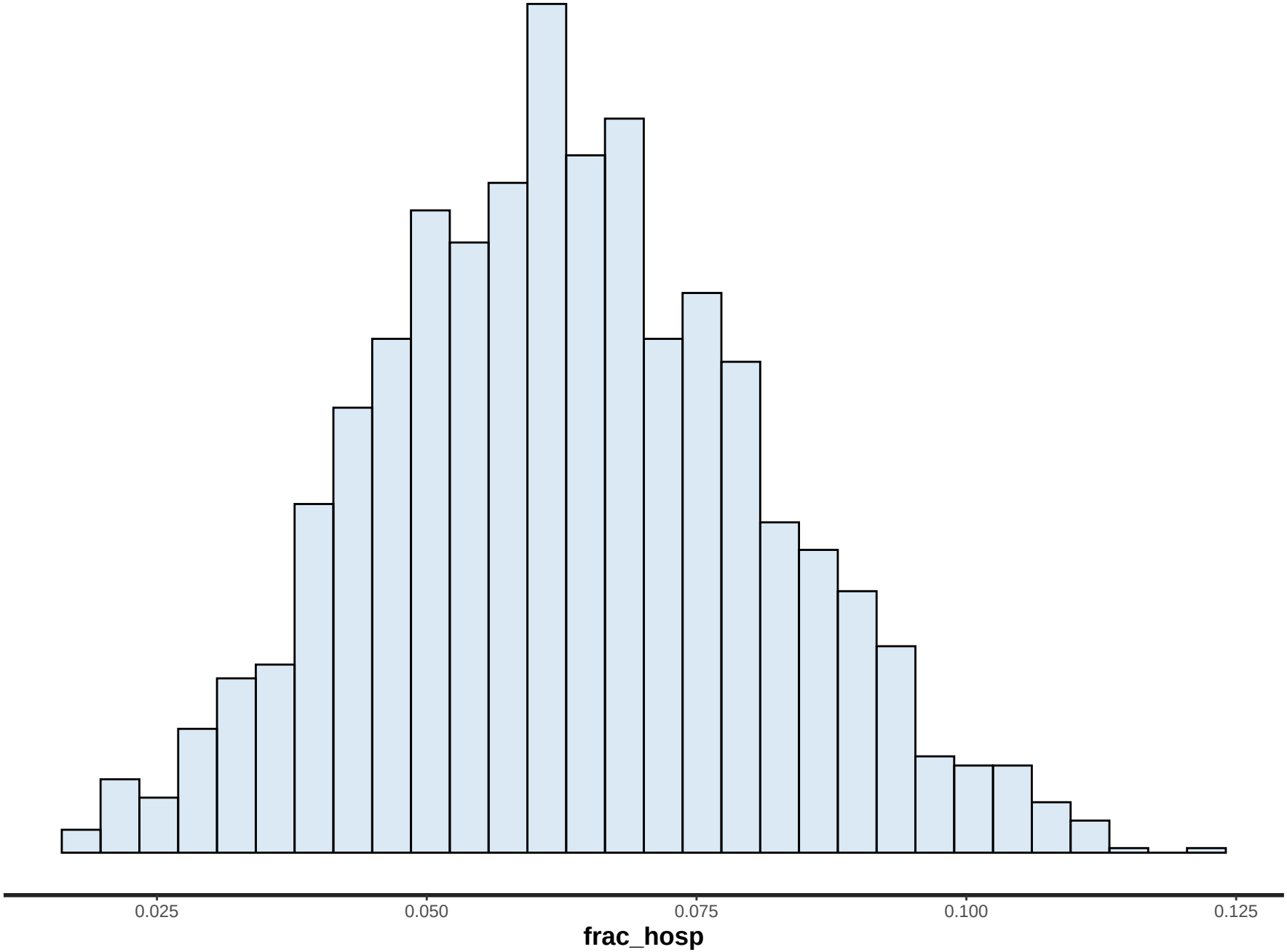

1.0
1.5
2.0
2.5
3.0
duration_latent

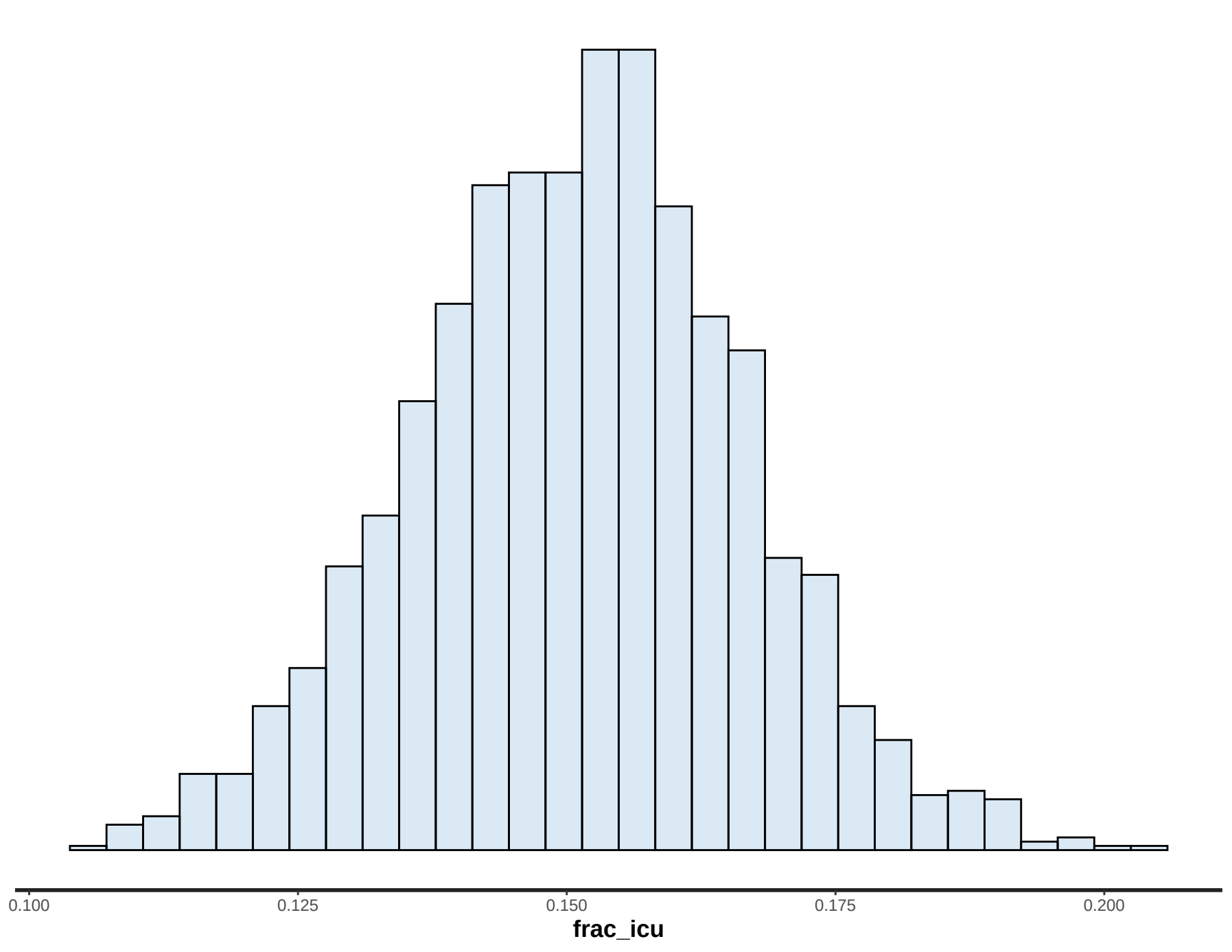

1
2
3
4
5
duration_rec_mild

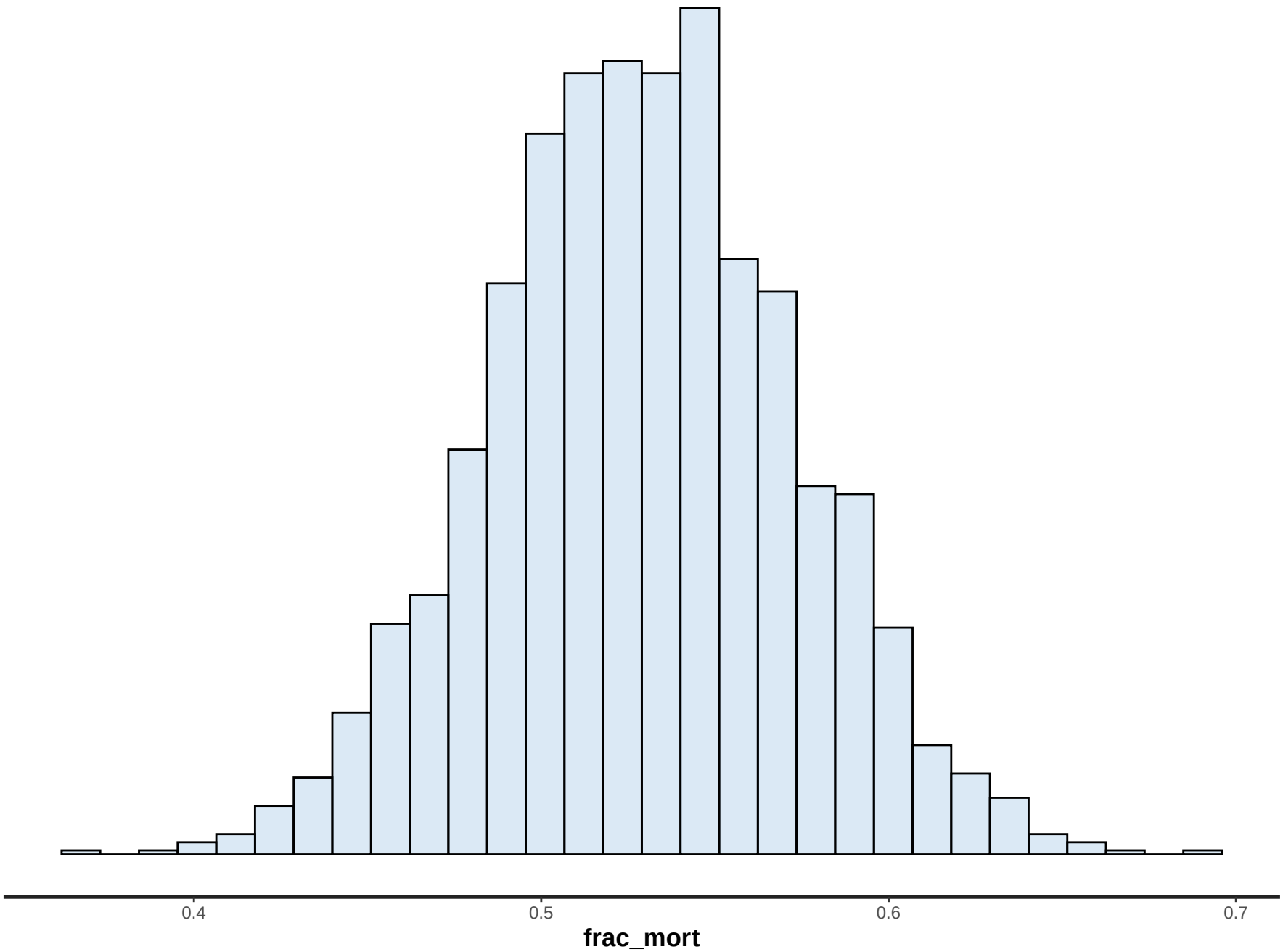

2.5
5.0
7.5
10.0
duration_pre_hosp

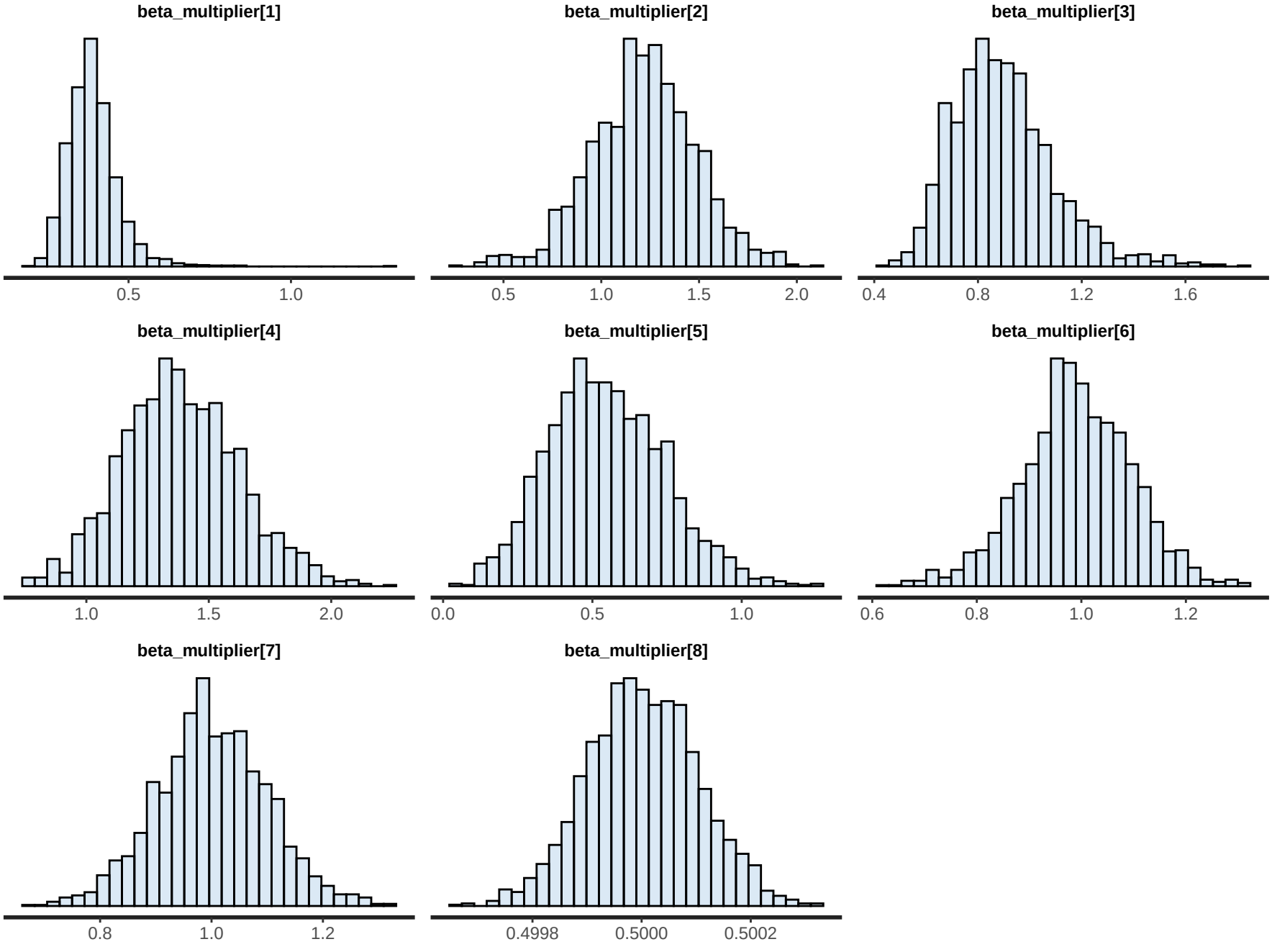

10
15
duration_hosp_mod

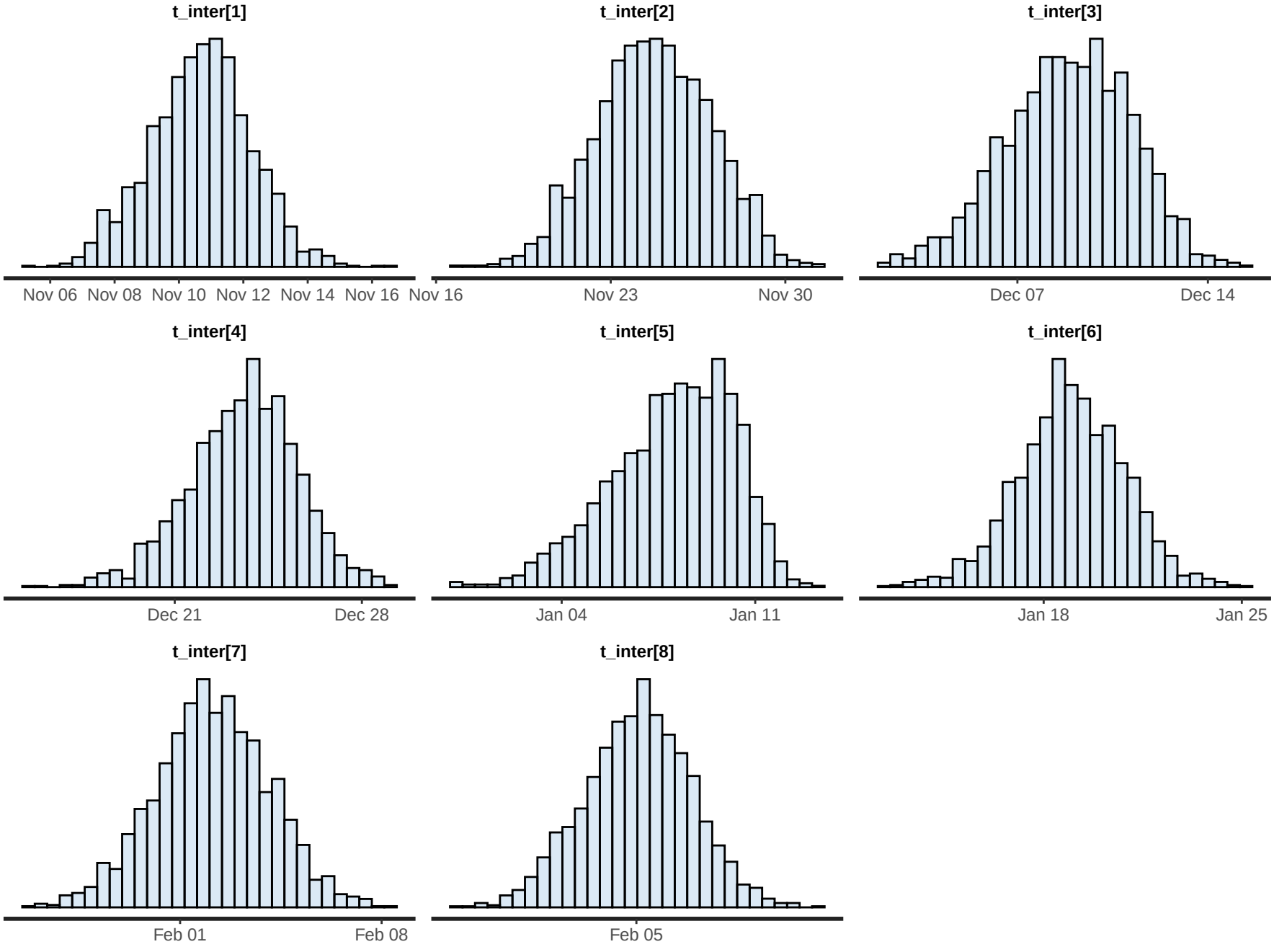

5.0
7.5
10.0
12.5
15.0
duration_hosp_icu

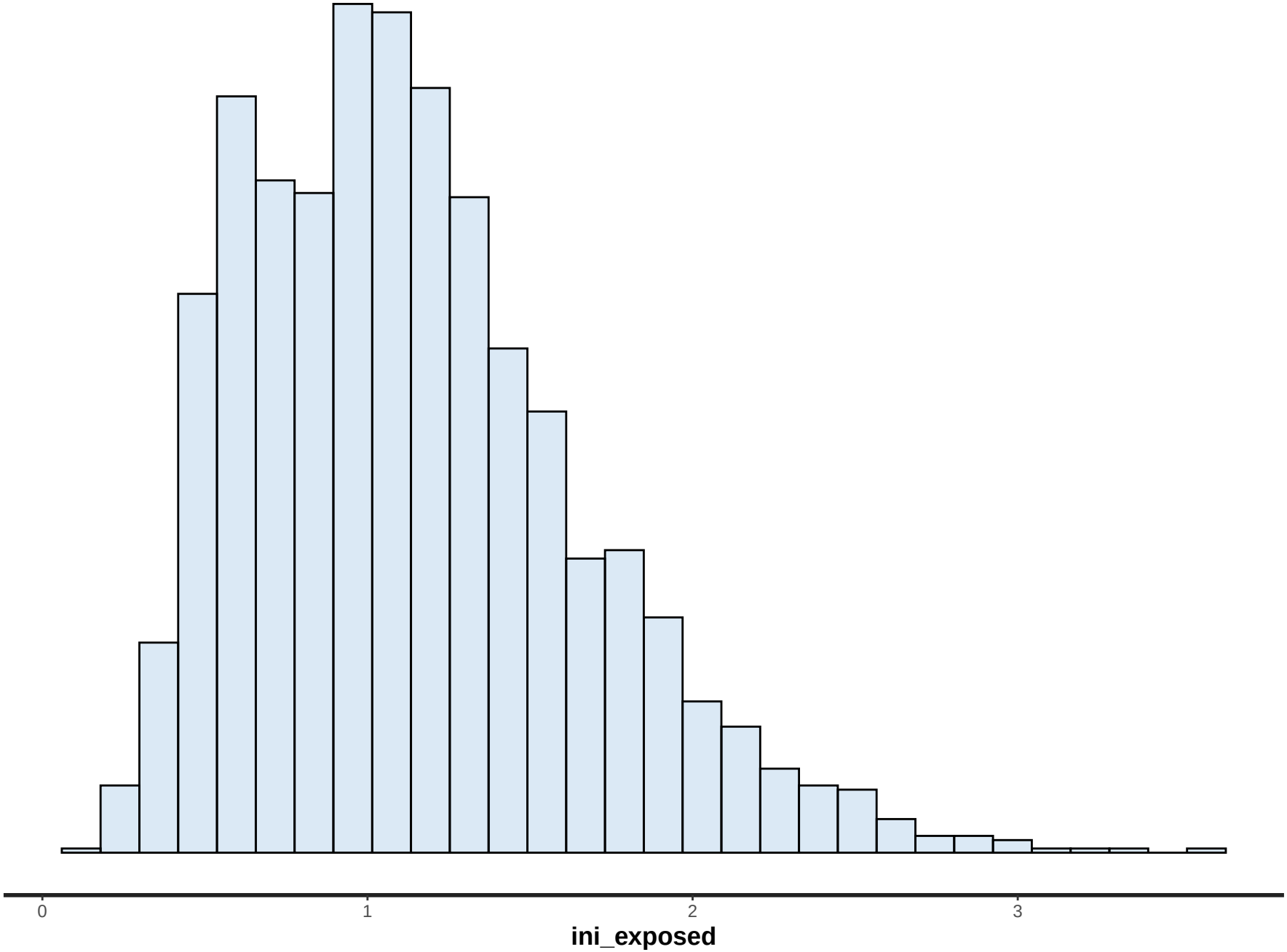

0.025
0.050
0.075
0.100
0.125
frac_hosp

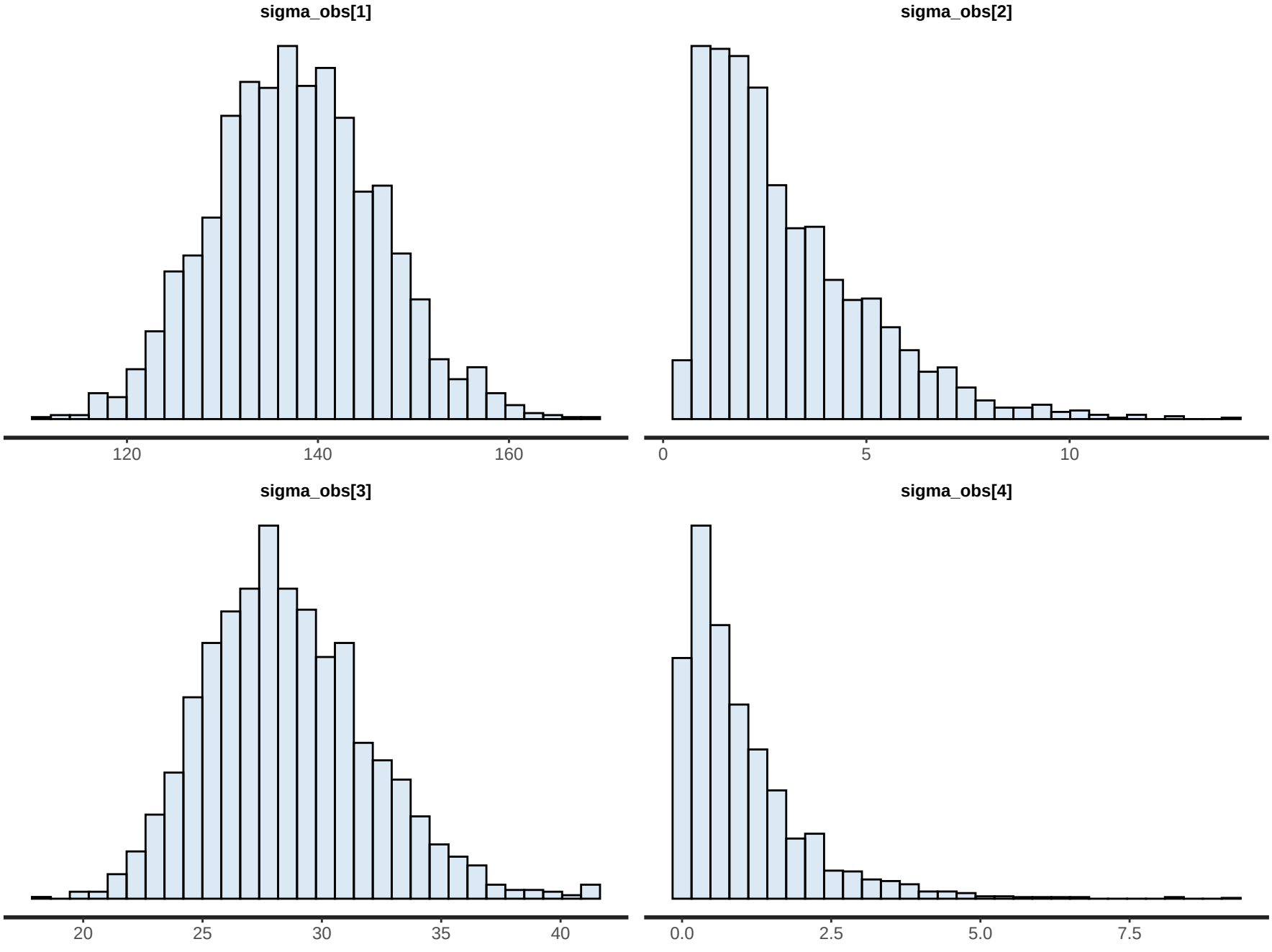

0.100
0.125
0.150
0.175
0.200
frac_icu


0.4
0.5
0.6
0.7
frac_mort


beta_multiplier[1]
0.5
1.0
beta_multiplier[2]
0.5
1.0
1.5
2.0
beta_multiplier[3]
0.4
0.8
1.2
1.6
beta_multiplier[4]
1.0
1.5
2.0
beta_multiplier[5]
0.0
0.5
1.0
beta_multiplier[6]
0.6
0.8
1.0
1.2
beta_multiplier[7]
0.8
1.0
1.2
beta_multiplier[8]
0.4998
0.5000
0.5002


t_inter[1]
Nov 06
Nov 08
Nov 10
Nov 12
Nov 14
Nov 16
t_inter[2]
Nov 16
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 05


0
1
2
3
ini_exposed


sigma_obs[1]
120
140
160
sigma_obs[2]
0
5
10
sigma_obs[3]
20
25
30
35
40
sigma_obs[4]
0.0
2.5
5.0
7.5