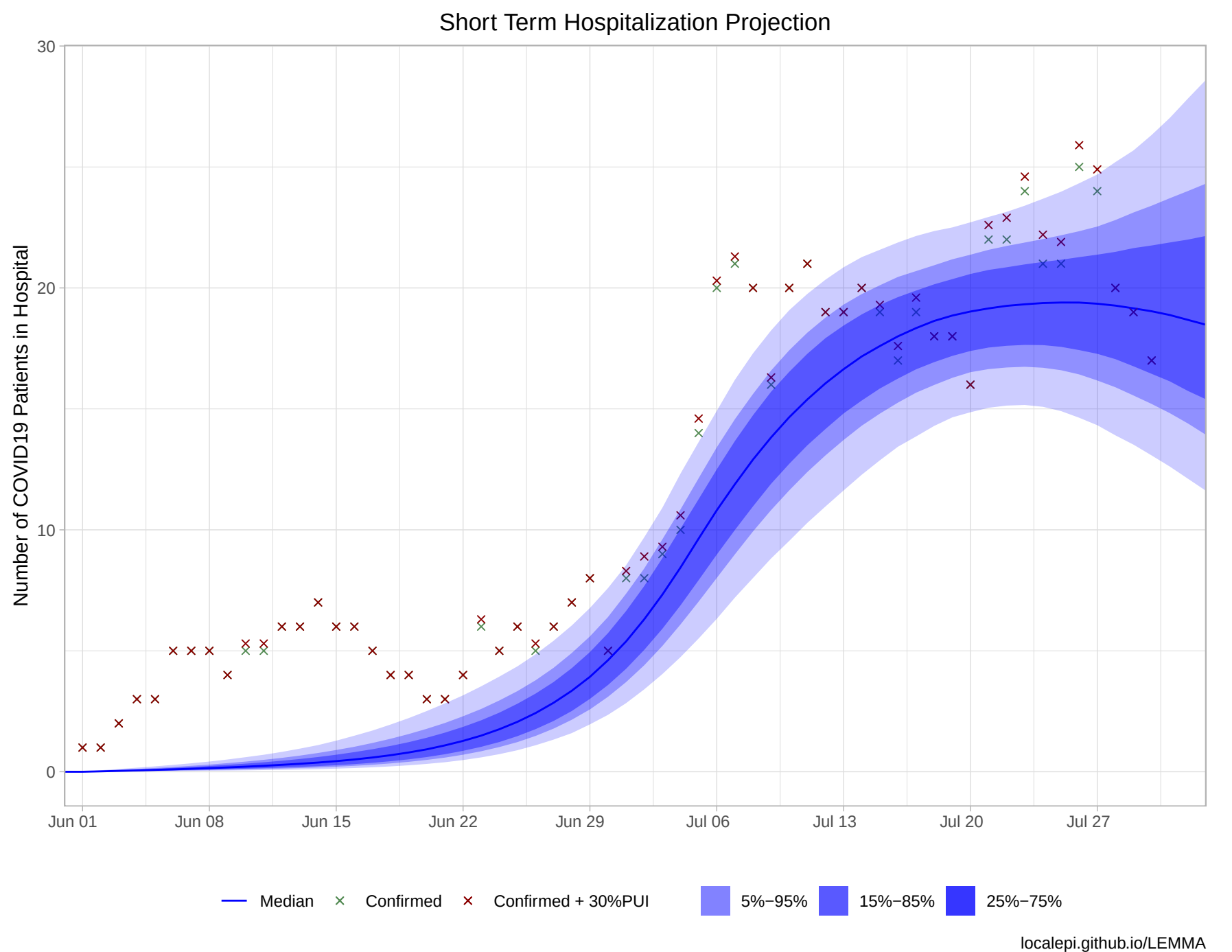
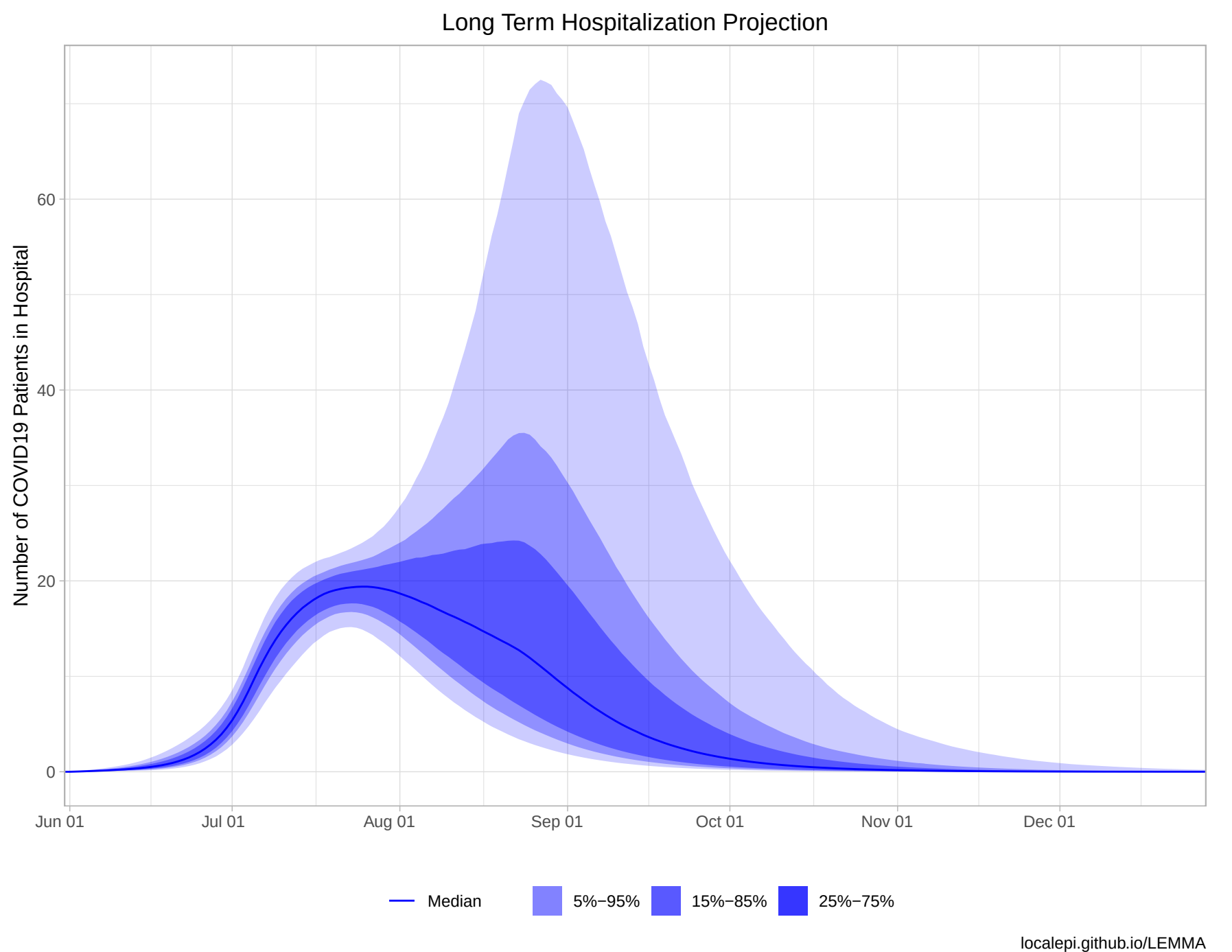
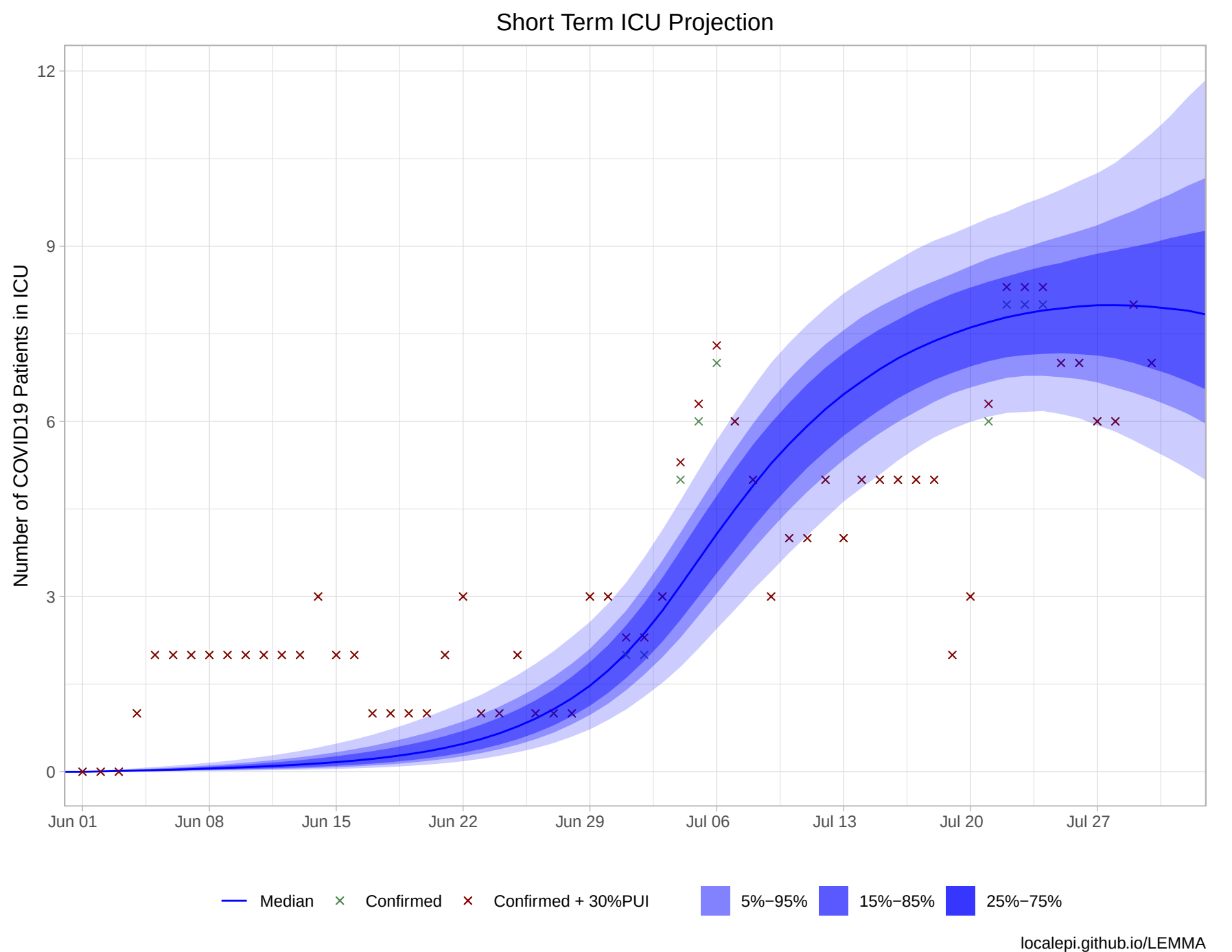
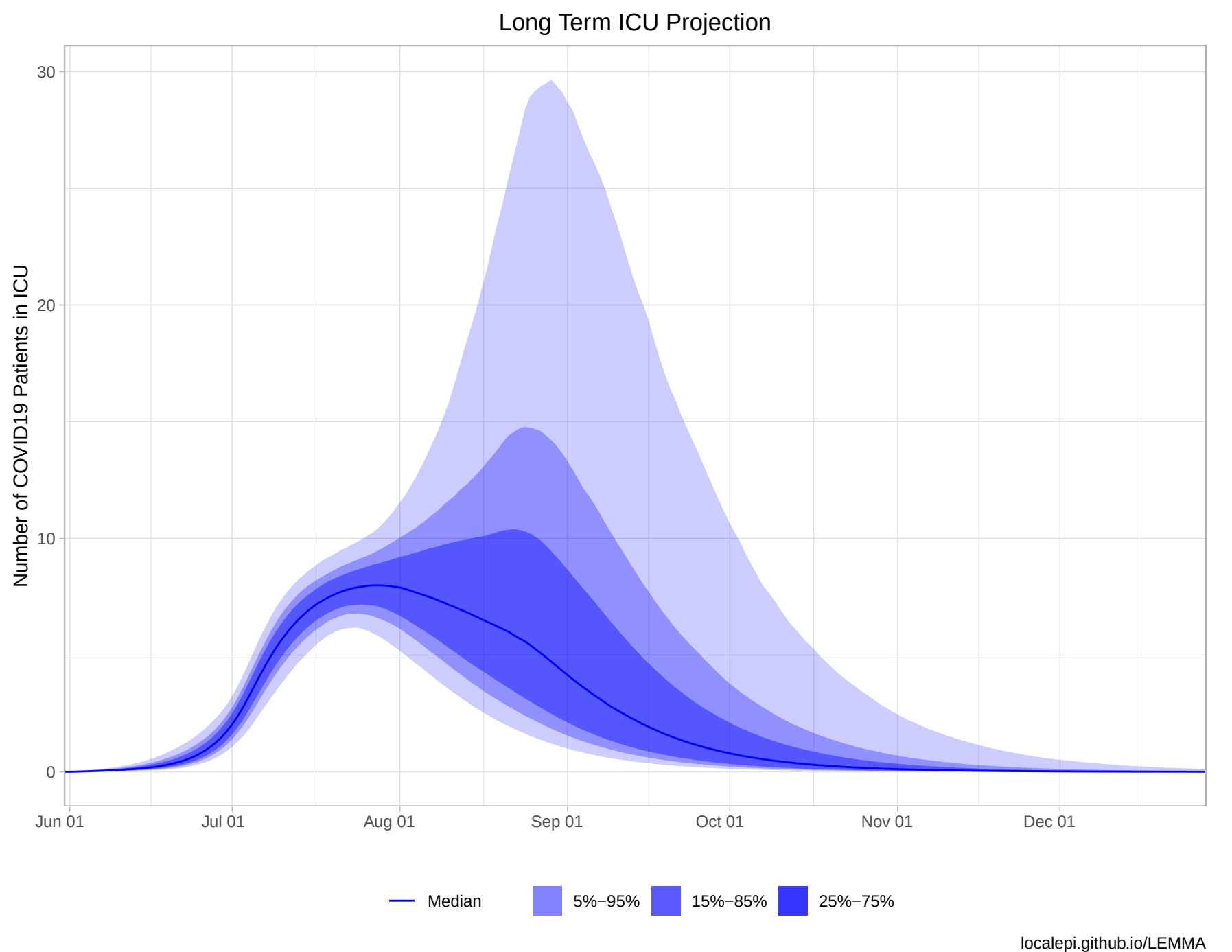
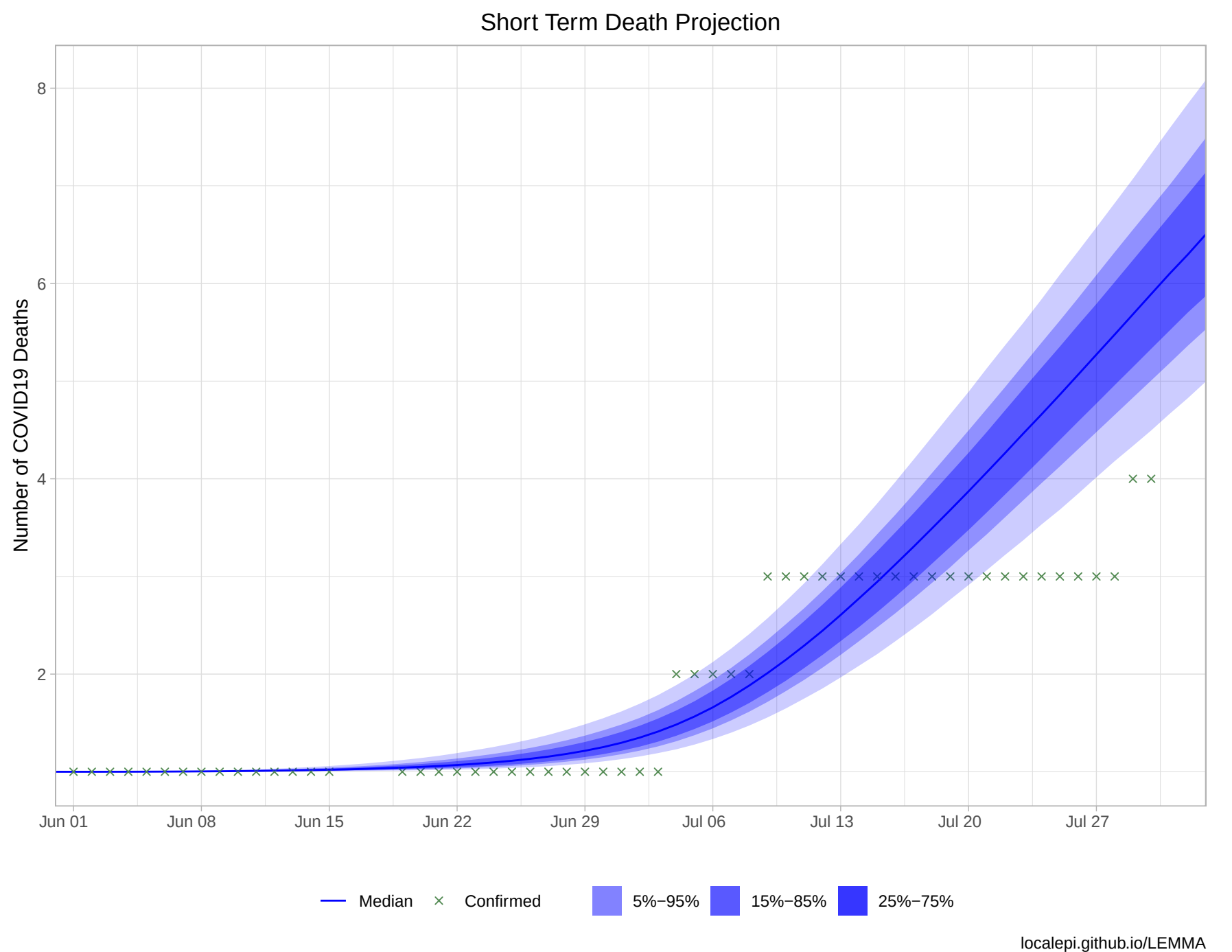
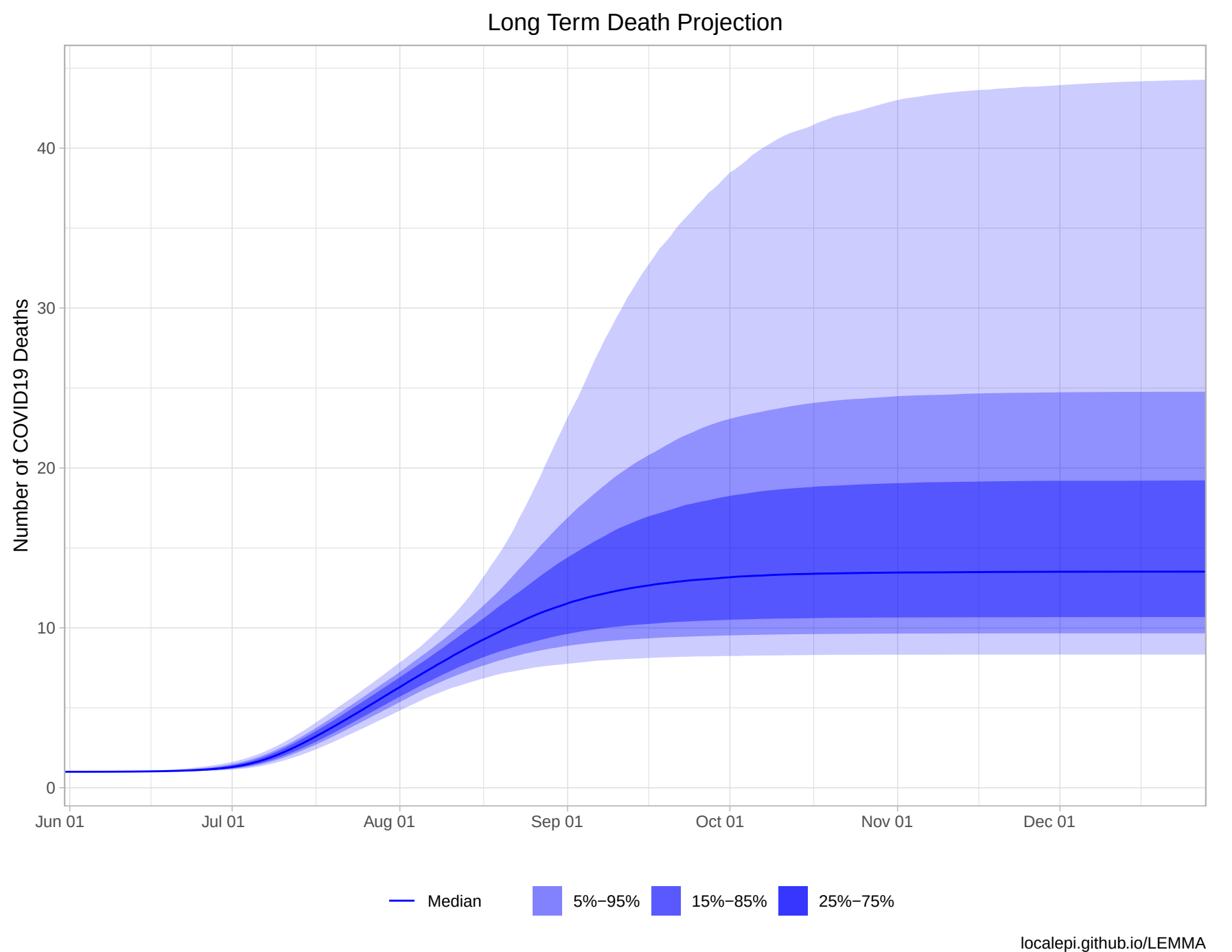

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
30
20
10
0
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

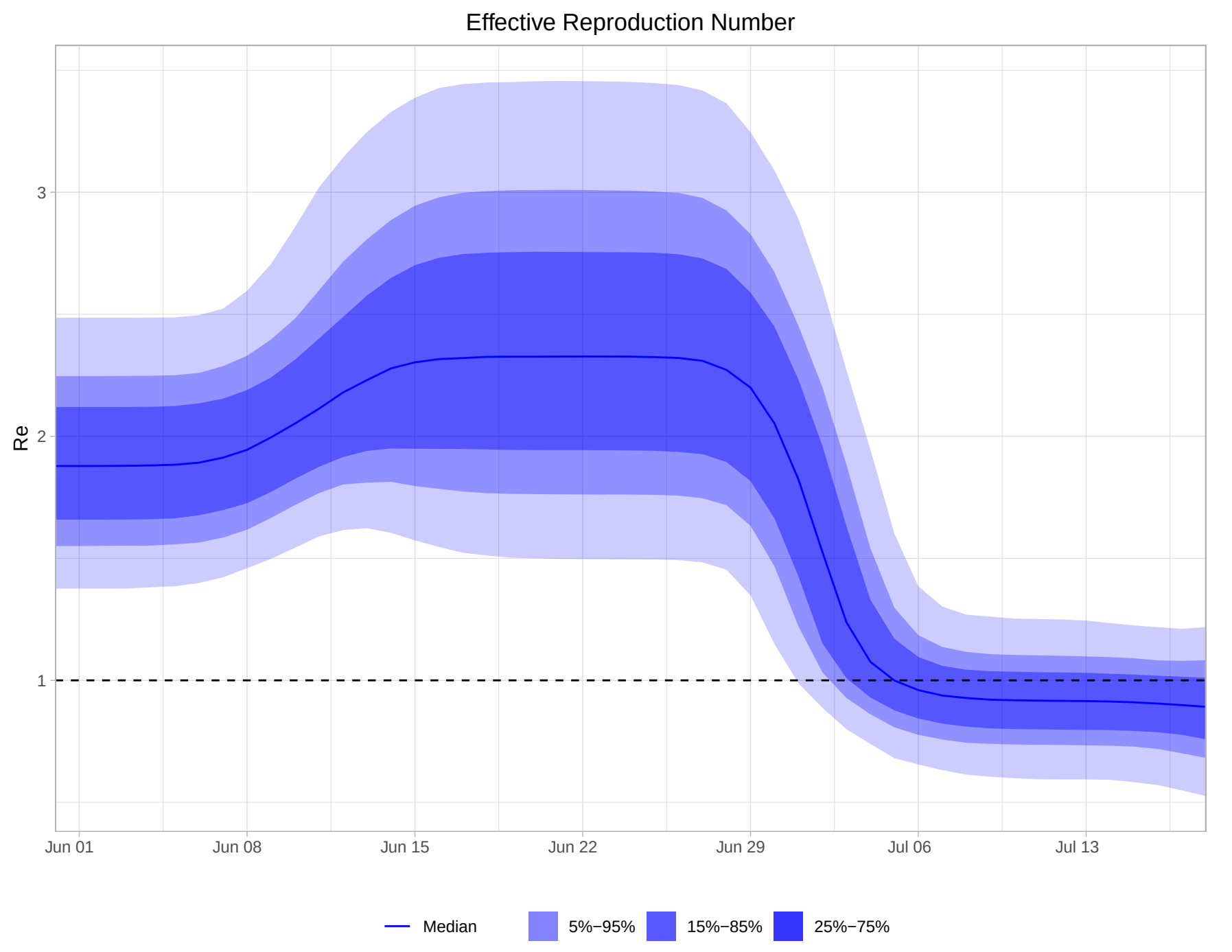

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
20
40
60
Jun 01
Jul 01
Aug 01
Sep 01
Oct 01
Nov 01
Dec 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
12
9
6
3
0
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
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
30
20
10
0
Jun 01
Jul 01
Aug 01
Sep 01
Oct 01
Nov 01
Dec 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

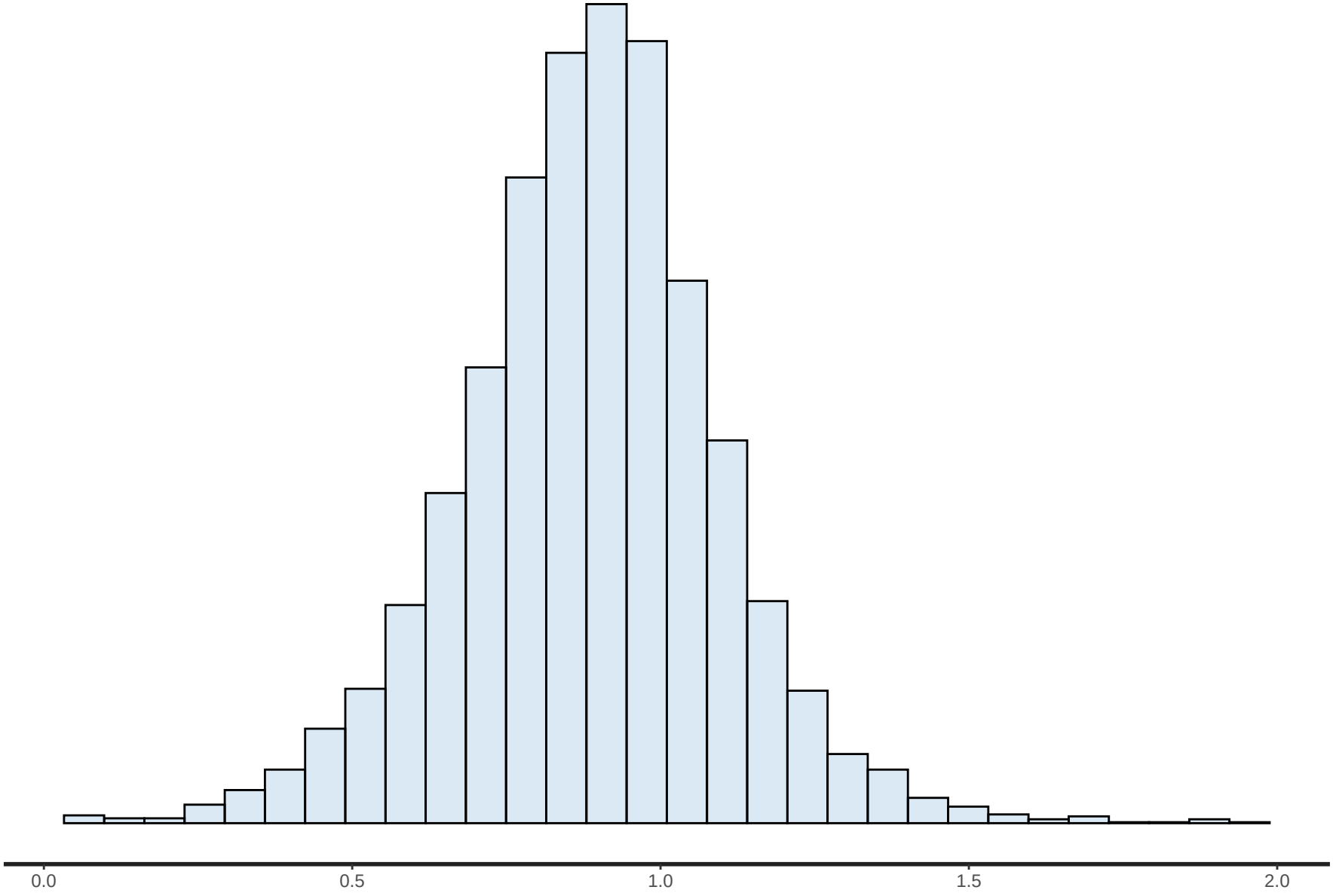

Short Term Death Projection
Number of COVID19 Deaths
8
6
4
2
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

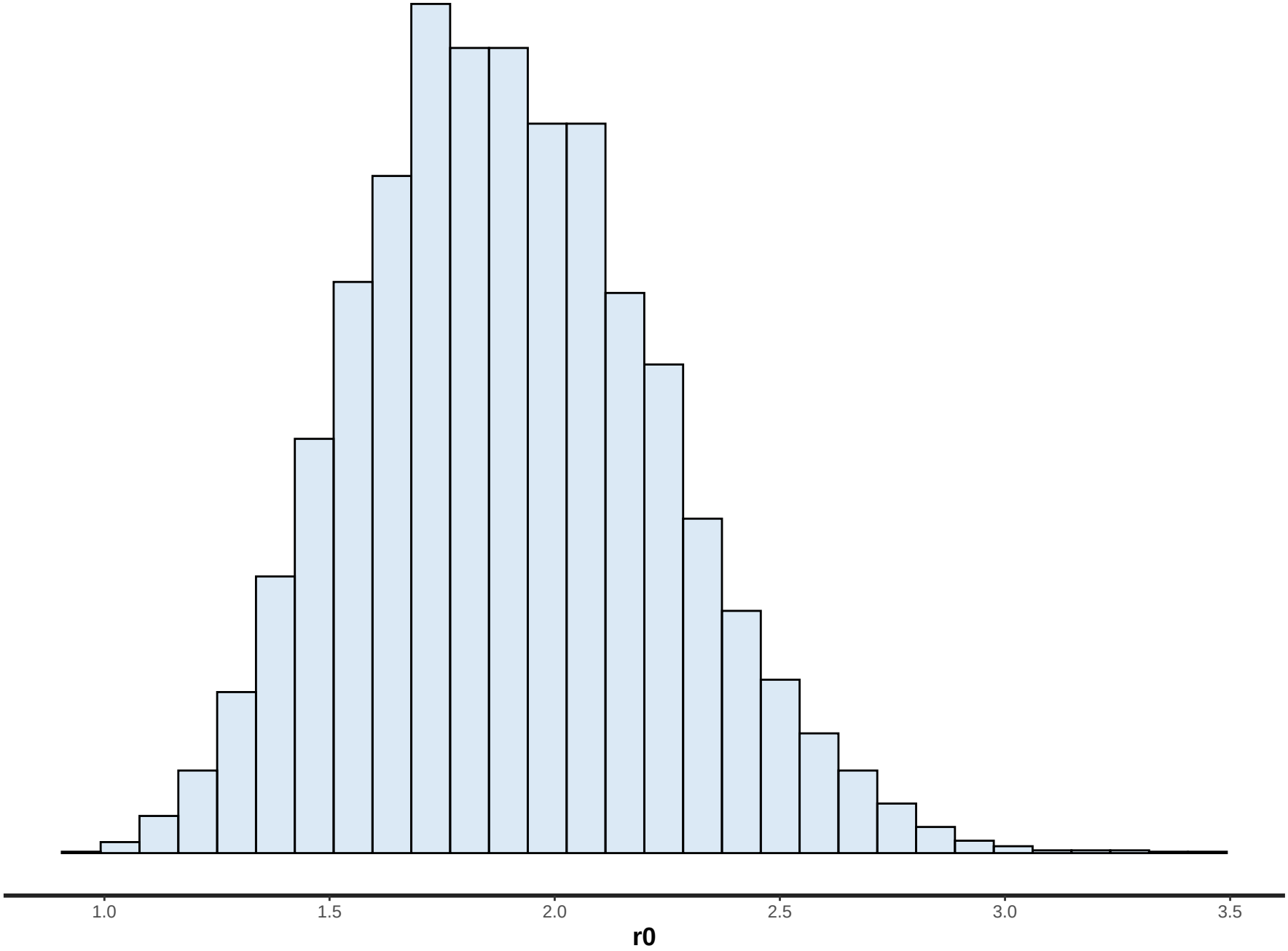

Long Term Death Projection
Number of COVID19 Deaths
0
10
20
30
40
Jun 01
Jul 01
Aug 01
Sep 01
Oct 01
Nov 01
Dec 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

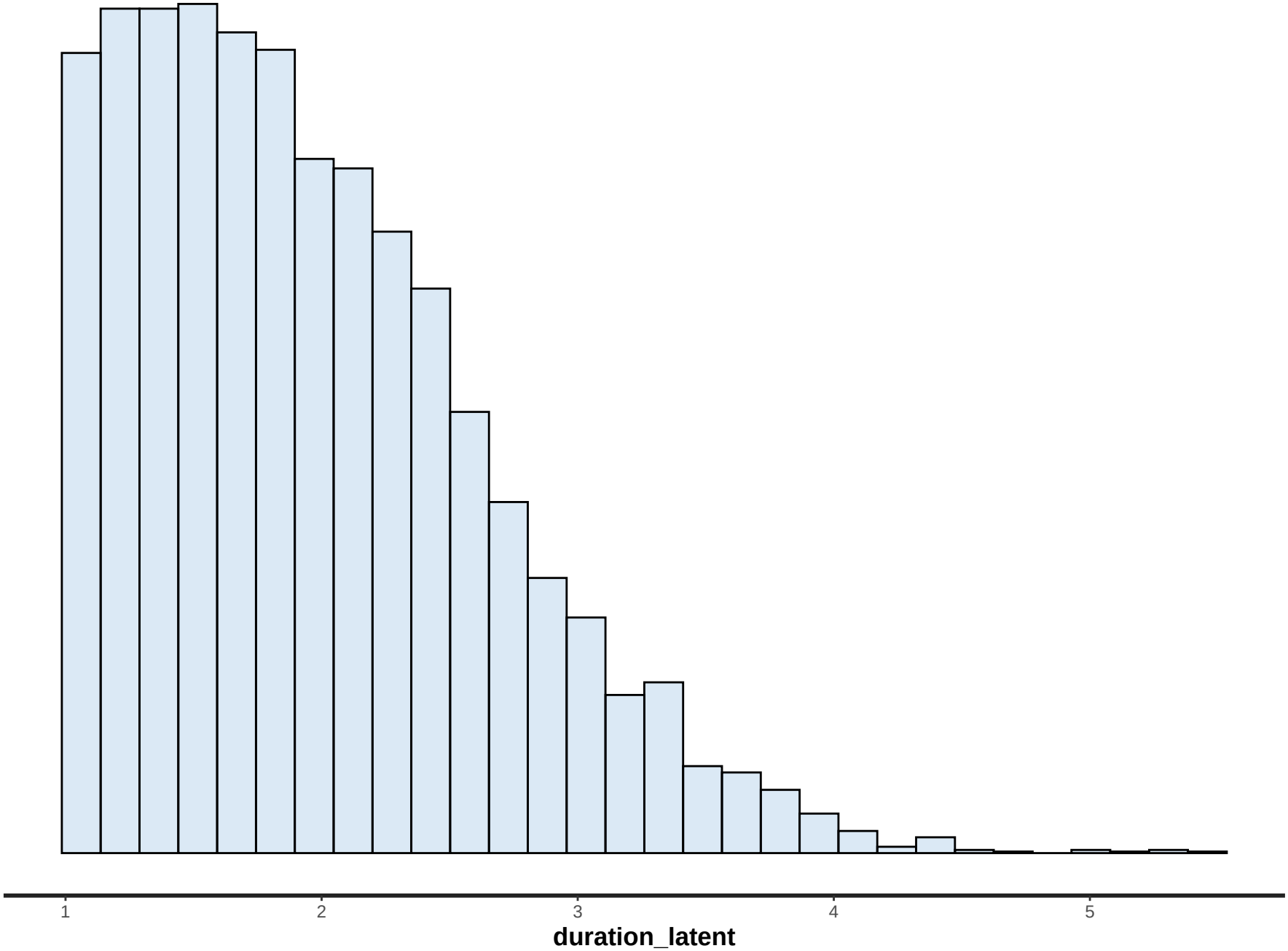

Effective Reproduction Number
Re
3
2
1
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Median
5%−95%
15%−85%
25%−75%

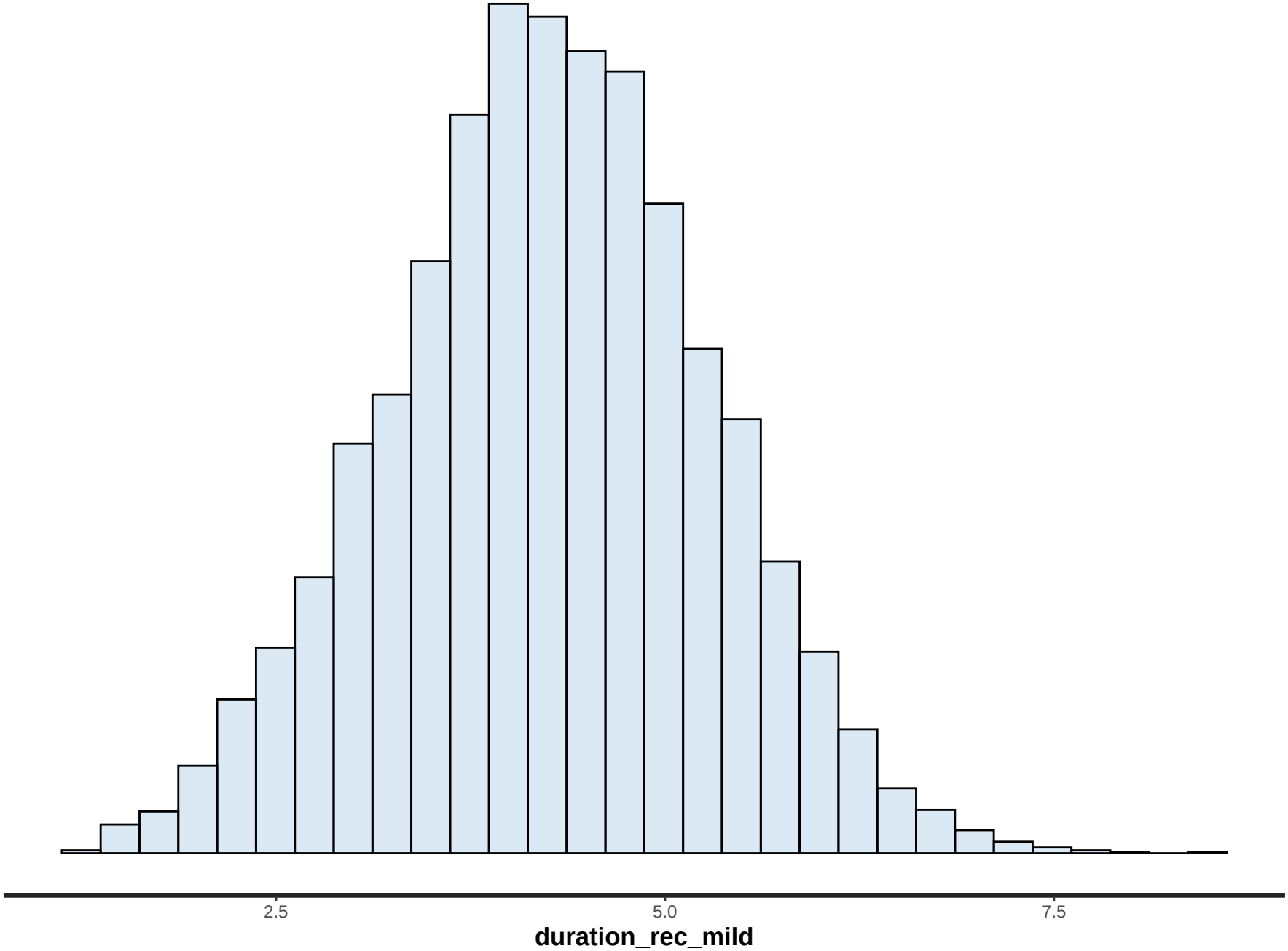
Rt as of 2020−07−18

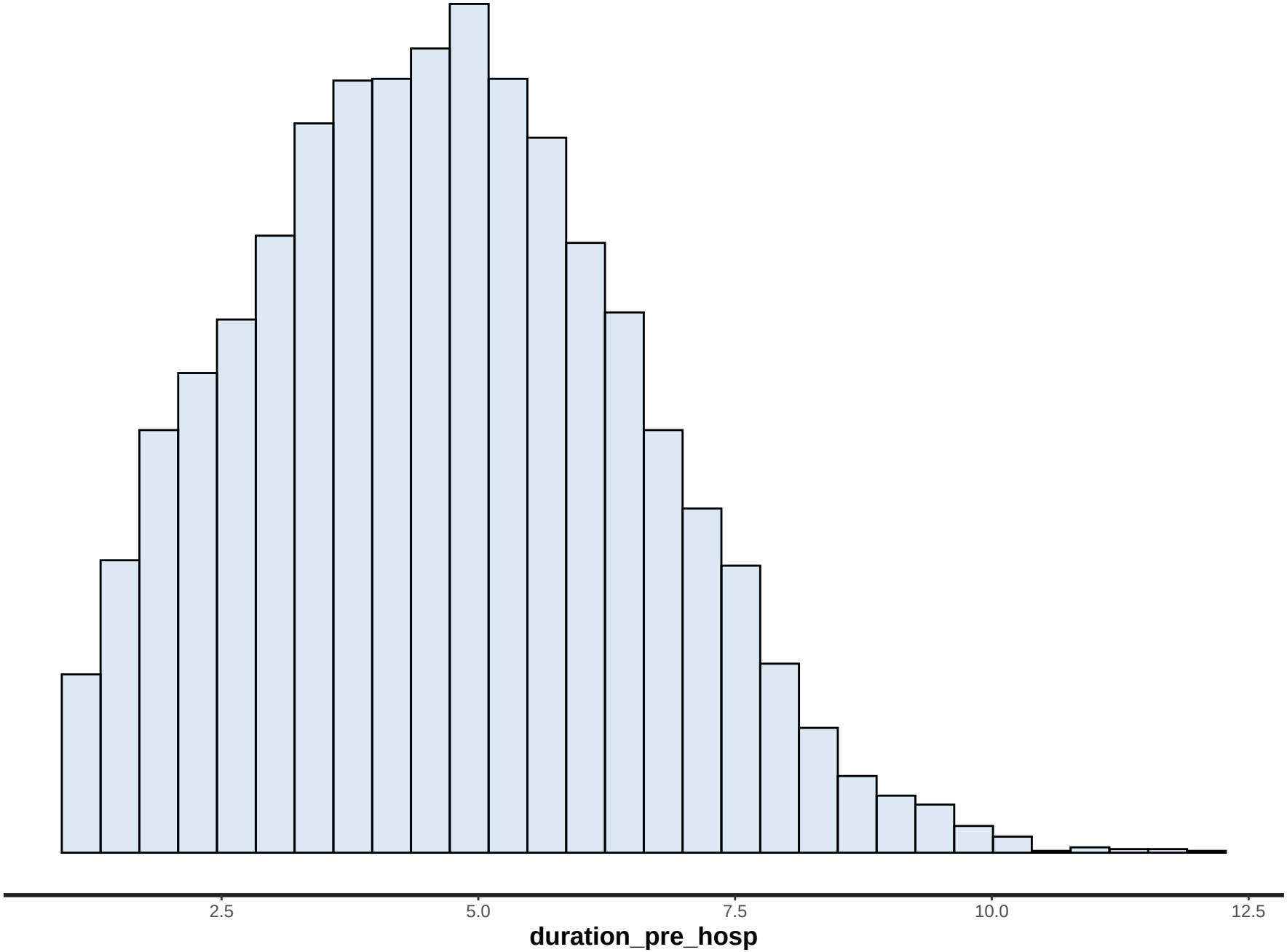
5%	10%	25%	50%	75%	90%	95%
0.53	0.62	0.76	0.89	1.01	1.13	1.22

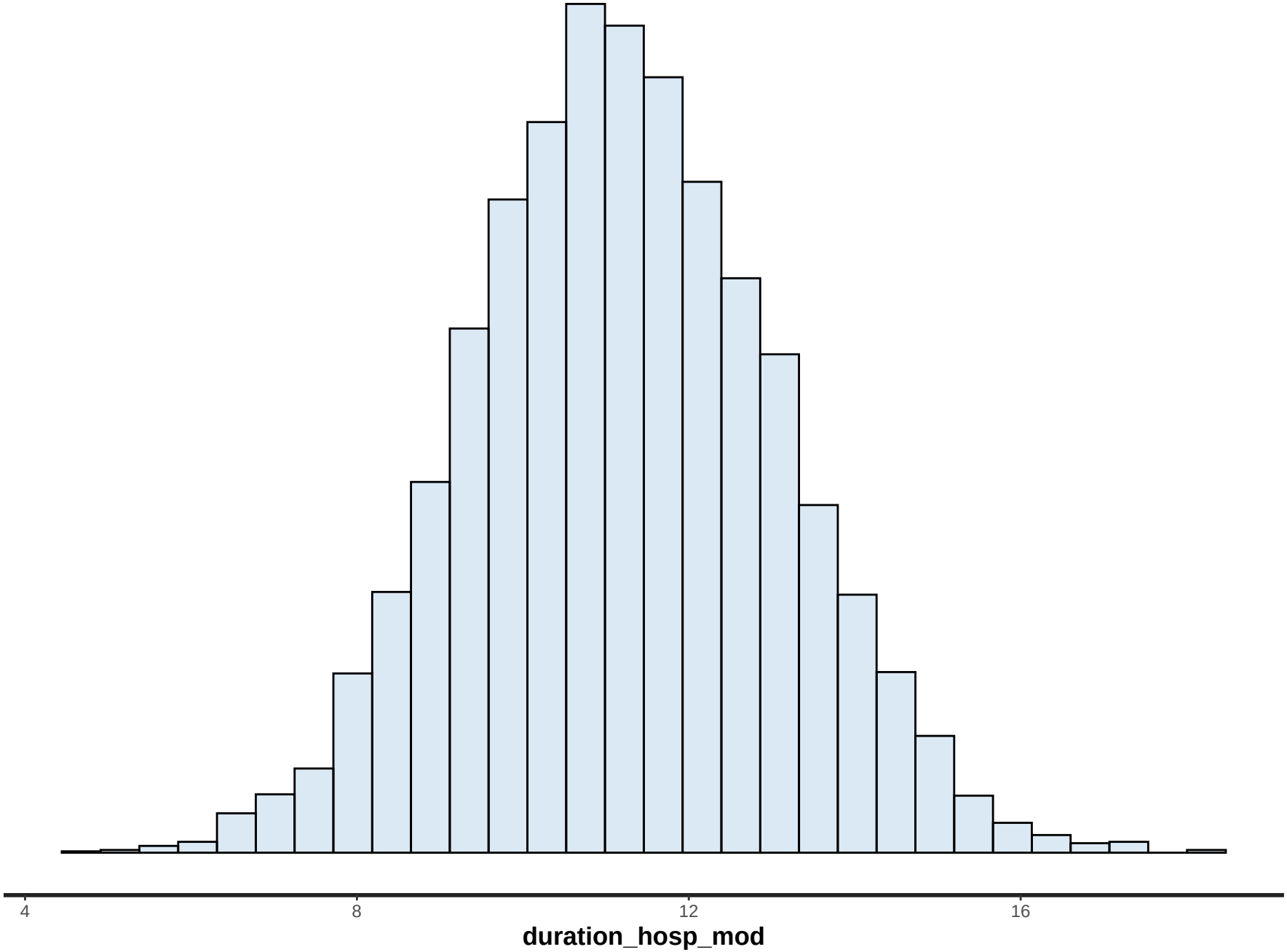


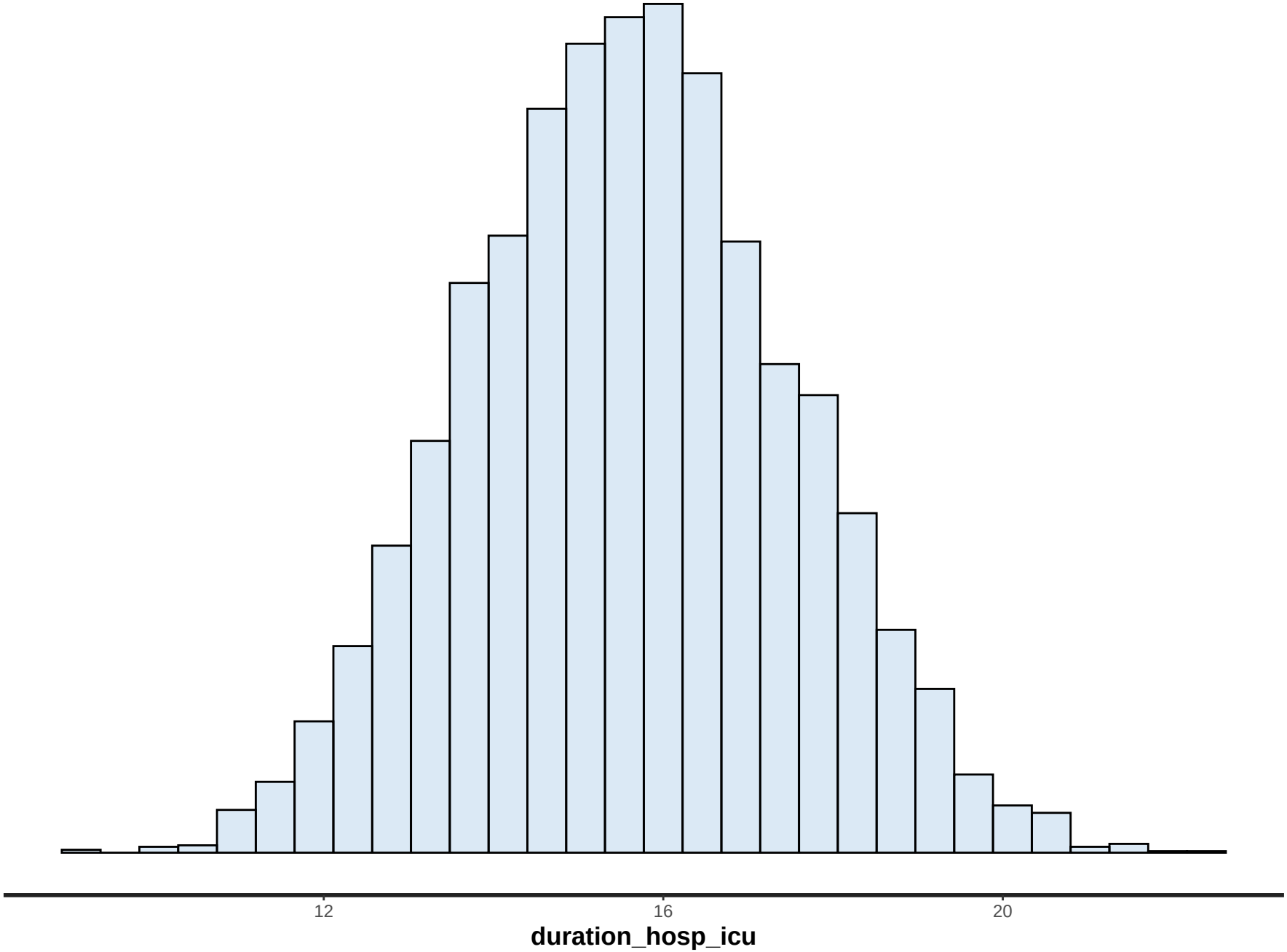

1.0
1.5
2.0
2.5
3.0
3.5
r0

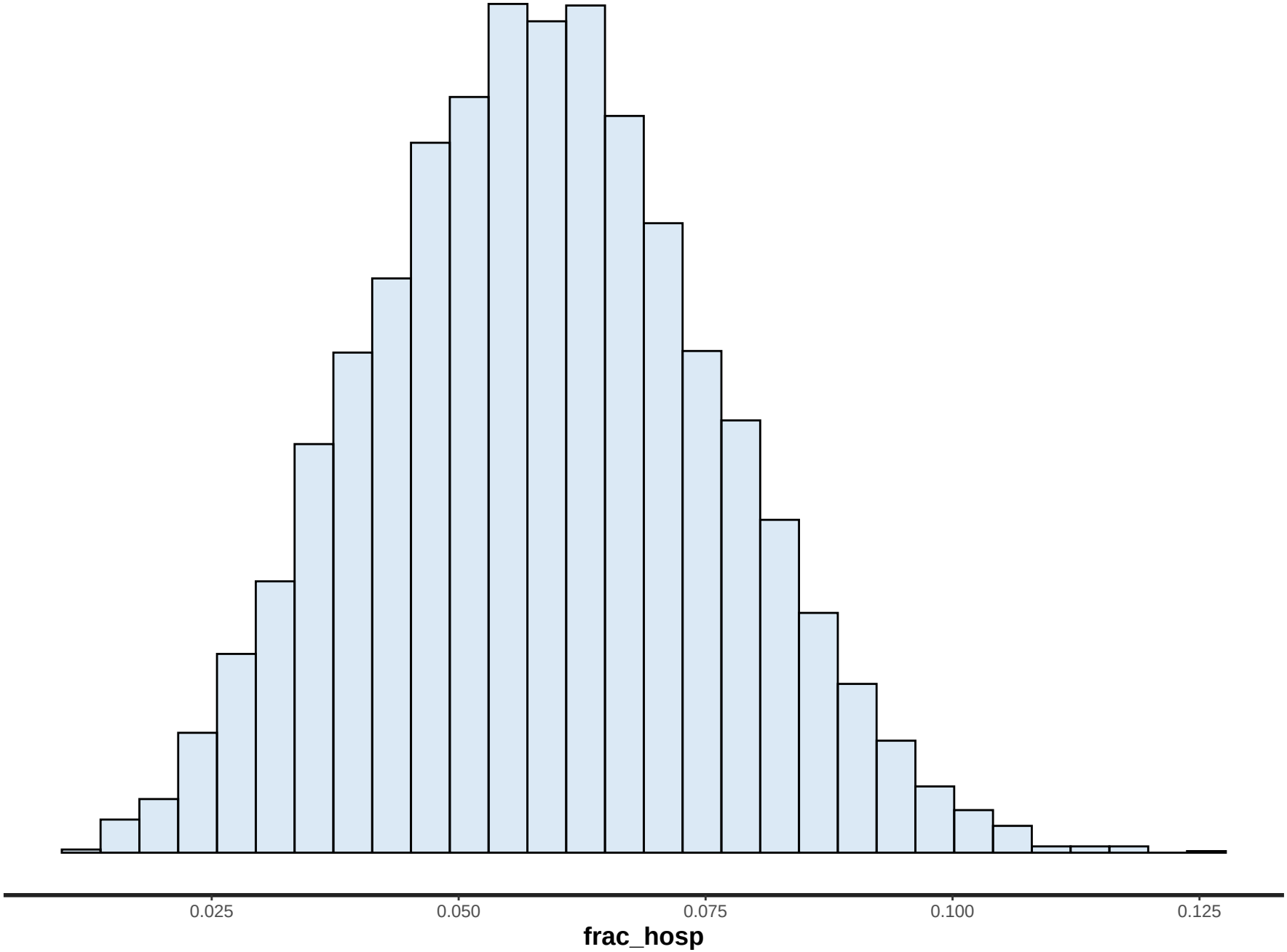

1
2
3
4
5
duration_latent

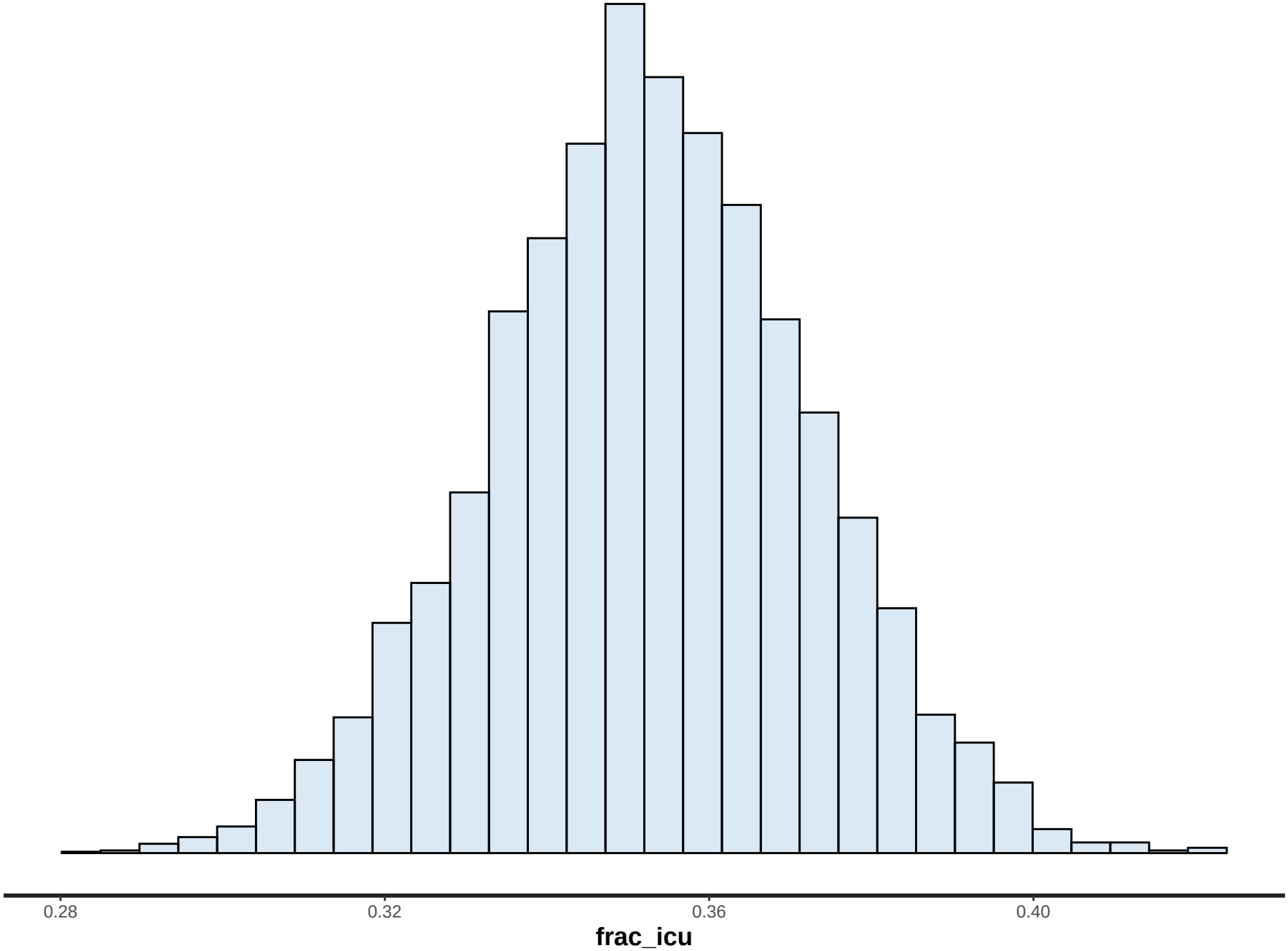

2.5
5.0
7.5
duration_rec_mild

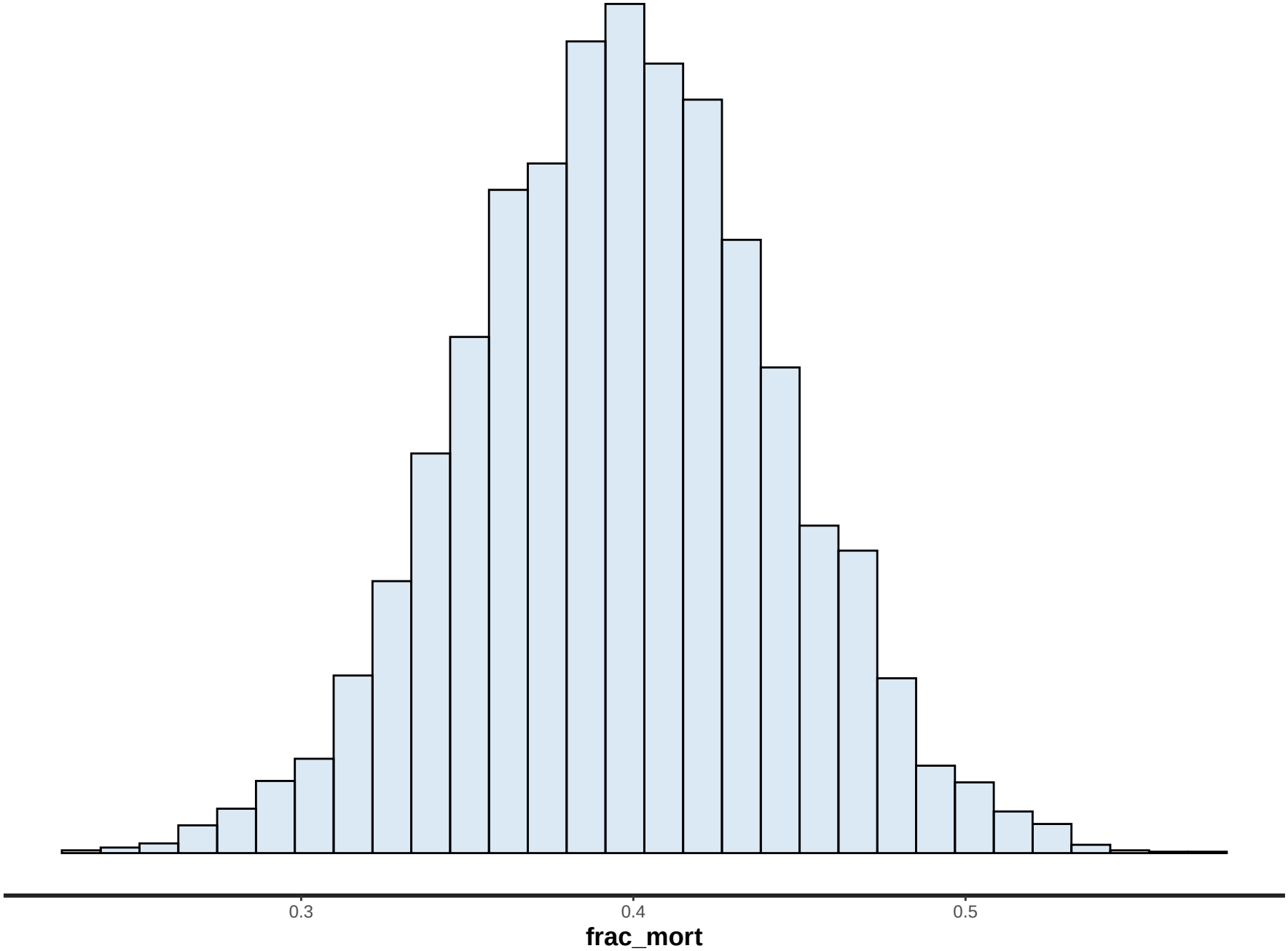

2.5
5.0
7.5
10.0
12.5
duration_pre_hosp

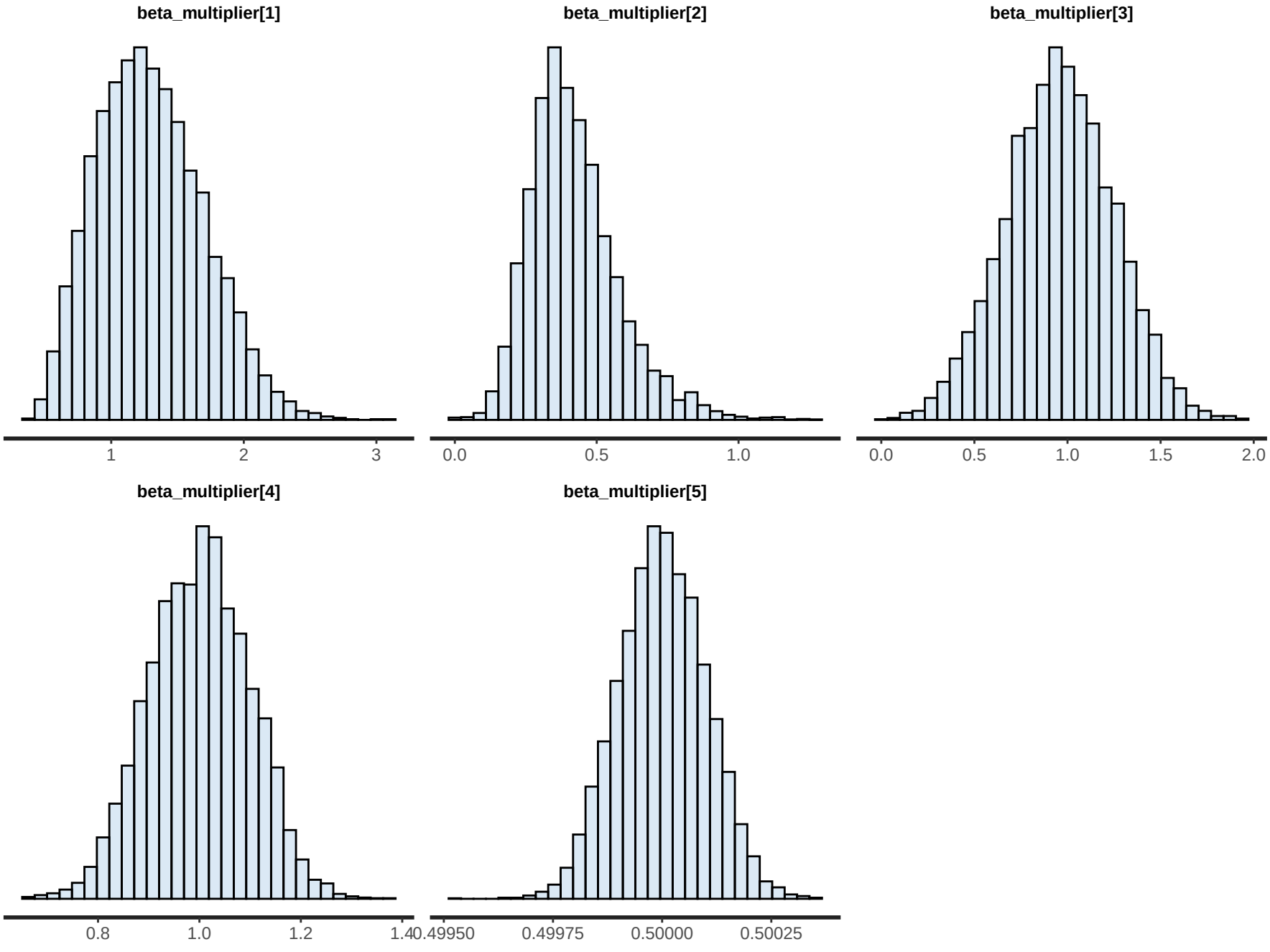

4
8
12
16
duration_hosp_mod

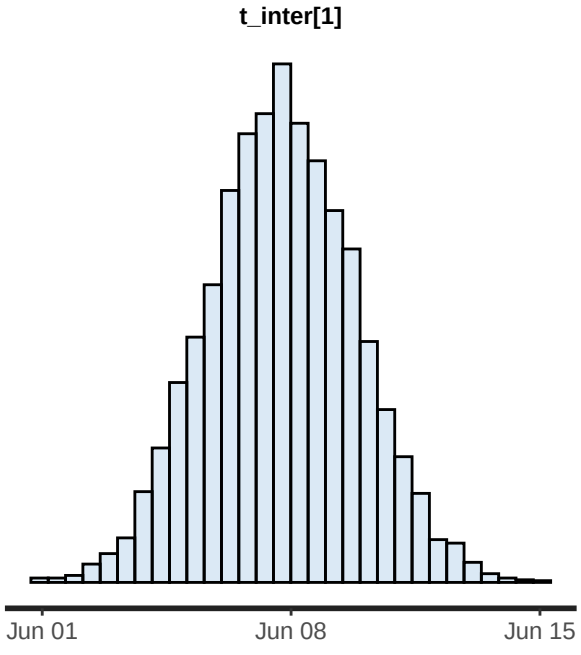

12
16
20
duration_hosp_icu

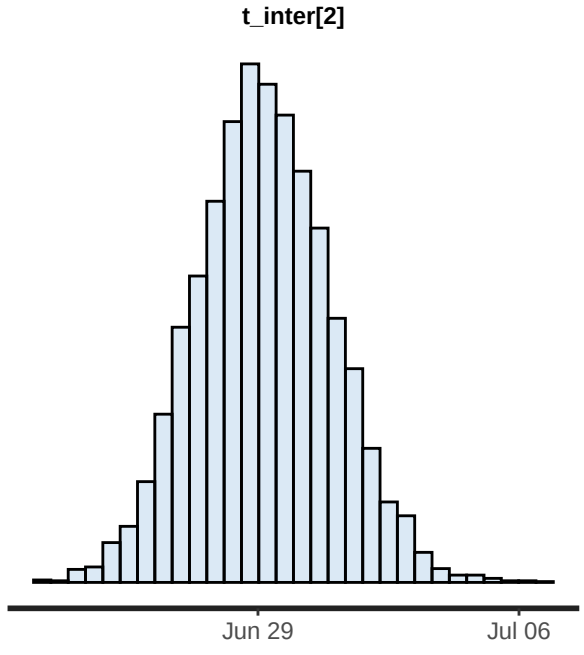

0.025
0.050
0.075
0.100
0.125
frac_hosp

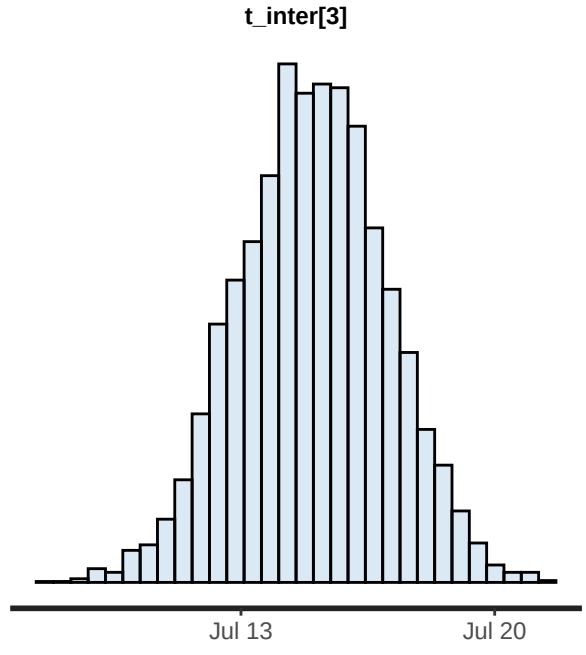

0.28
0.32
0.36
0.40
frac_icu

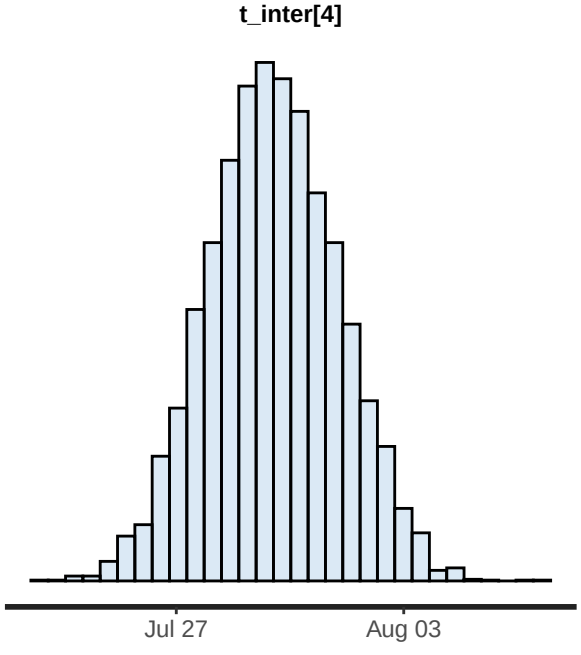

0.3
0.4
0.5
frac_mort

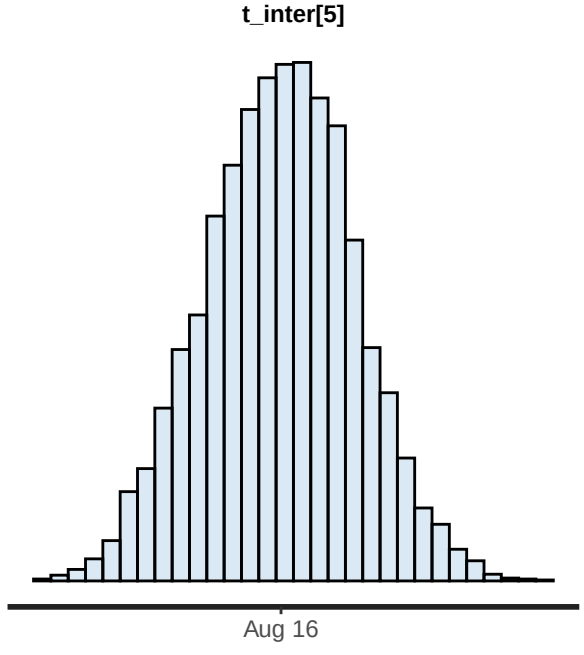

beta_multiplier[1]
1
2
3
beta_multiplier[2]
0.0
0.5
1.0
beta_multiplier[3]
0.0
0.5
1.0
1.5
2.0
beta_multiplier[4]
0.8
1.0
1.2
1.4
beta_multiplier[5]
0.49950
0.49975
0.50000
0.50025

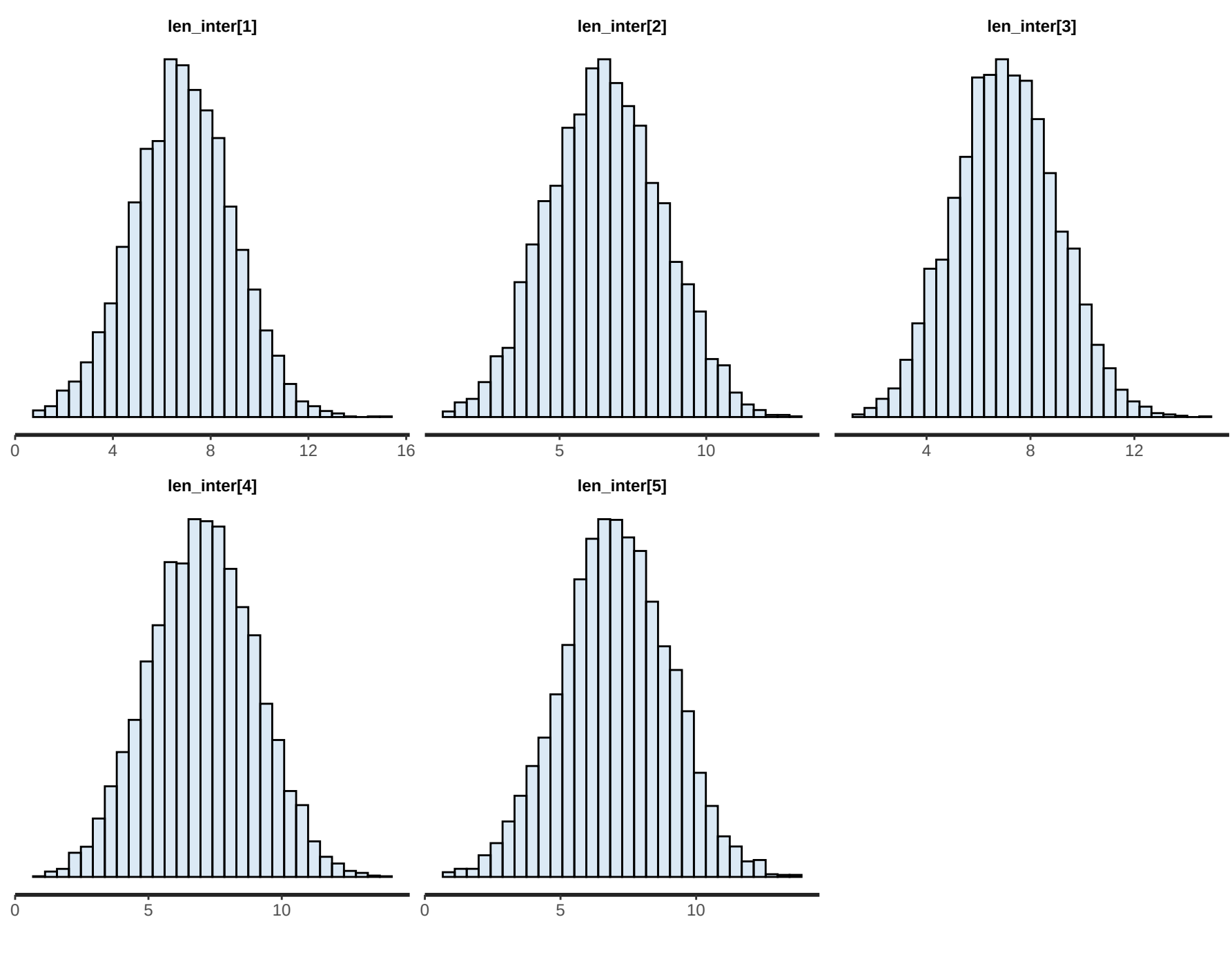

t_inter[1]
Jun 01
Jun 08
Jun 15

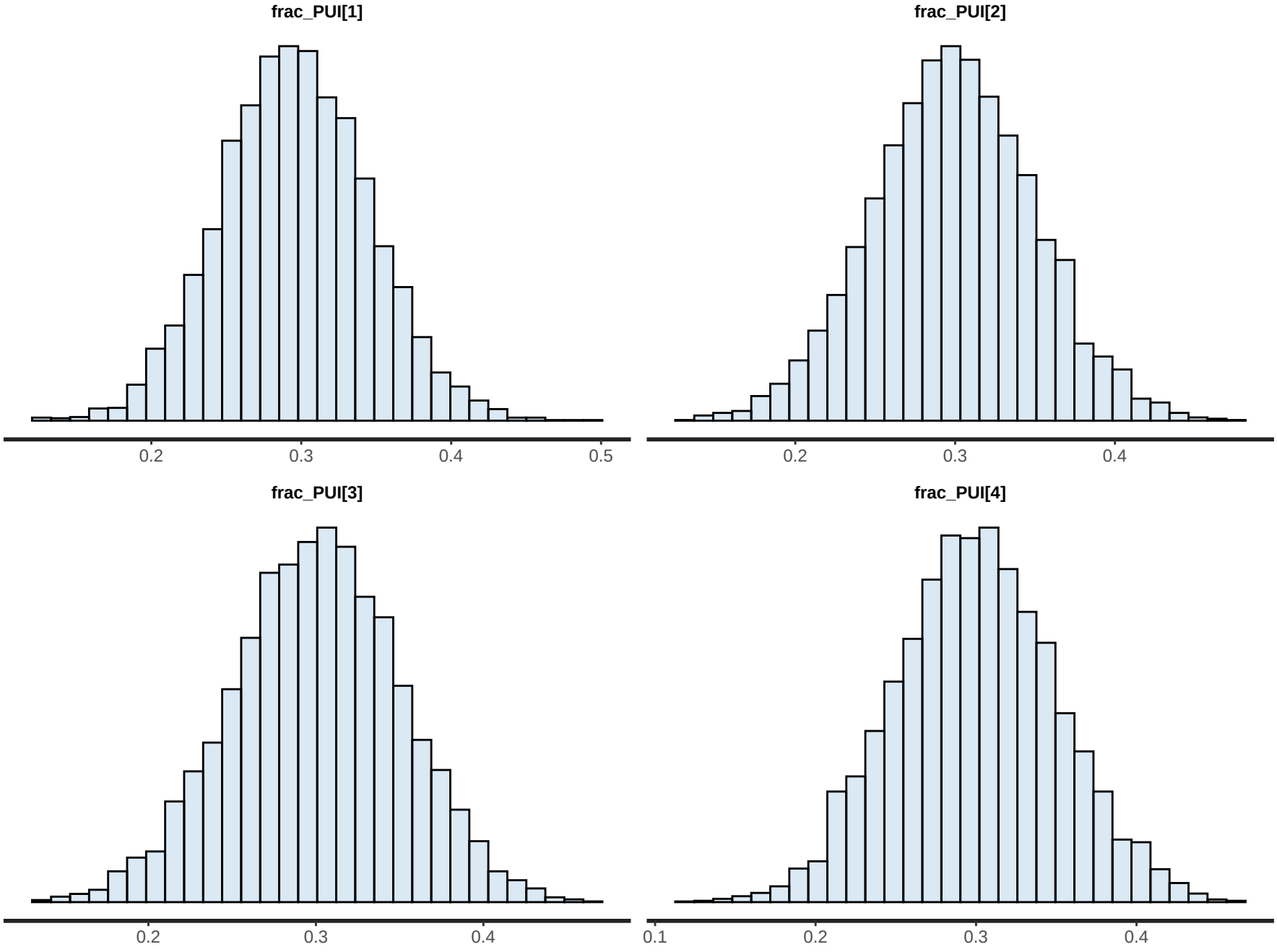

t_inter[2]
Jun 29
Jul 06

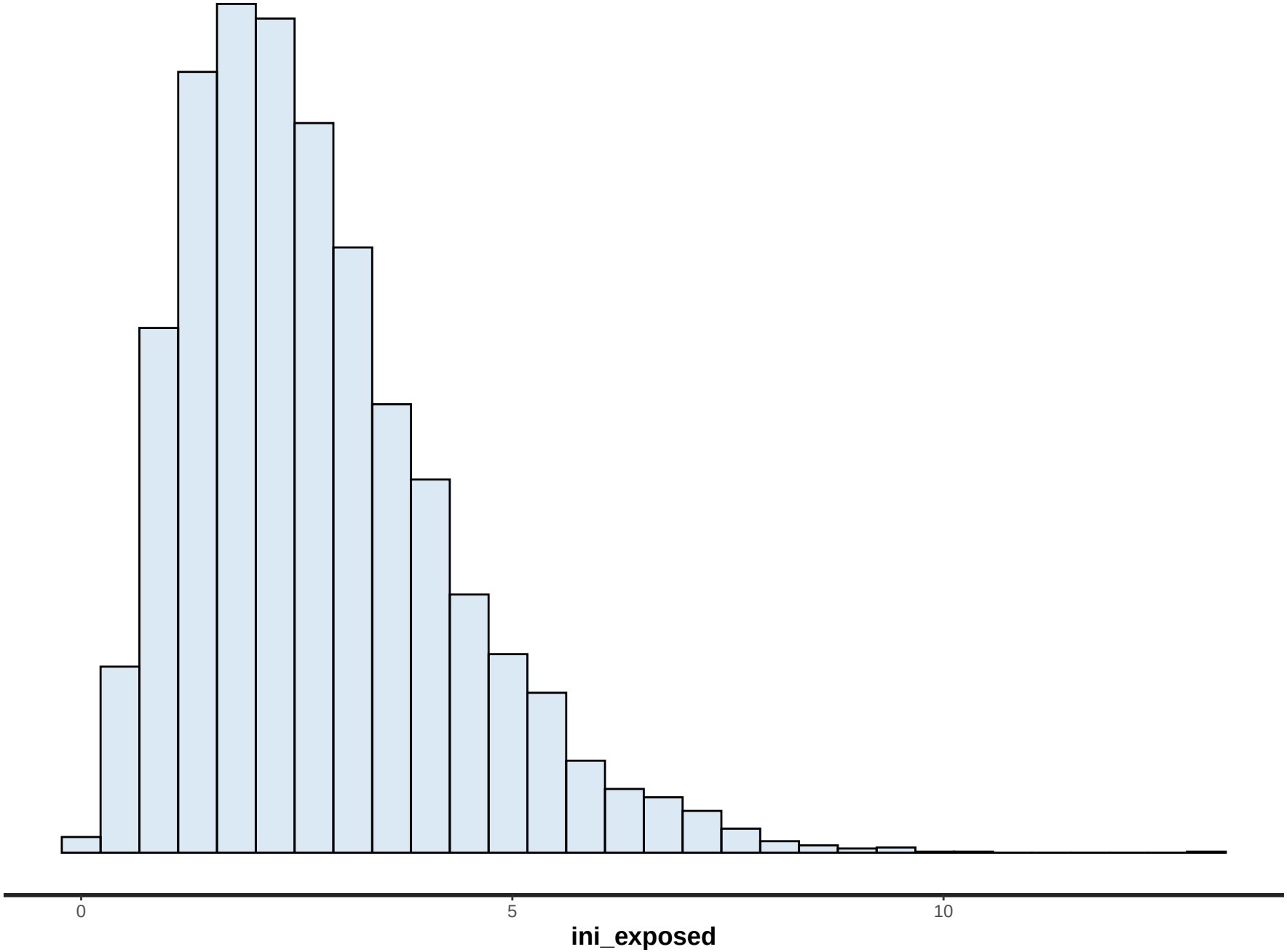

t_inter[3]
Jul 13
Jul 20


t_inter[4]
Jul 27
Aug 03


t_inter[5]
Aug 16


len_inter[1]
0
4
8
12
16
len_inter[2]
5
10
len_inter[3]
4
8
12
len_inter[4]
0
5
10
len_inter[5]
0
5
10


frac_PUI[1]
0.2
0.3
0.4
0.5
frac_PUI[2]
0.2
0.3
0.4
frac_PUI[3]
0.2
0.3
0.4
frac_PUI[4]
0.1
0.2
0.3
0.4


0
5
10
ini_exposed