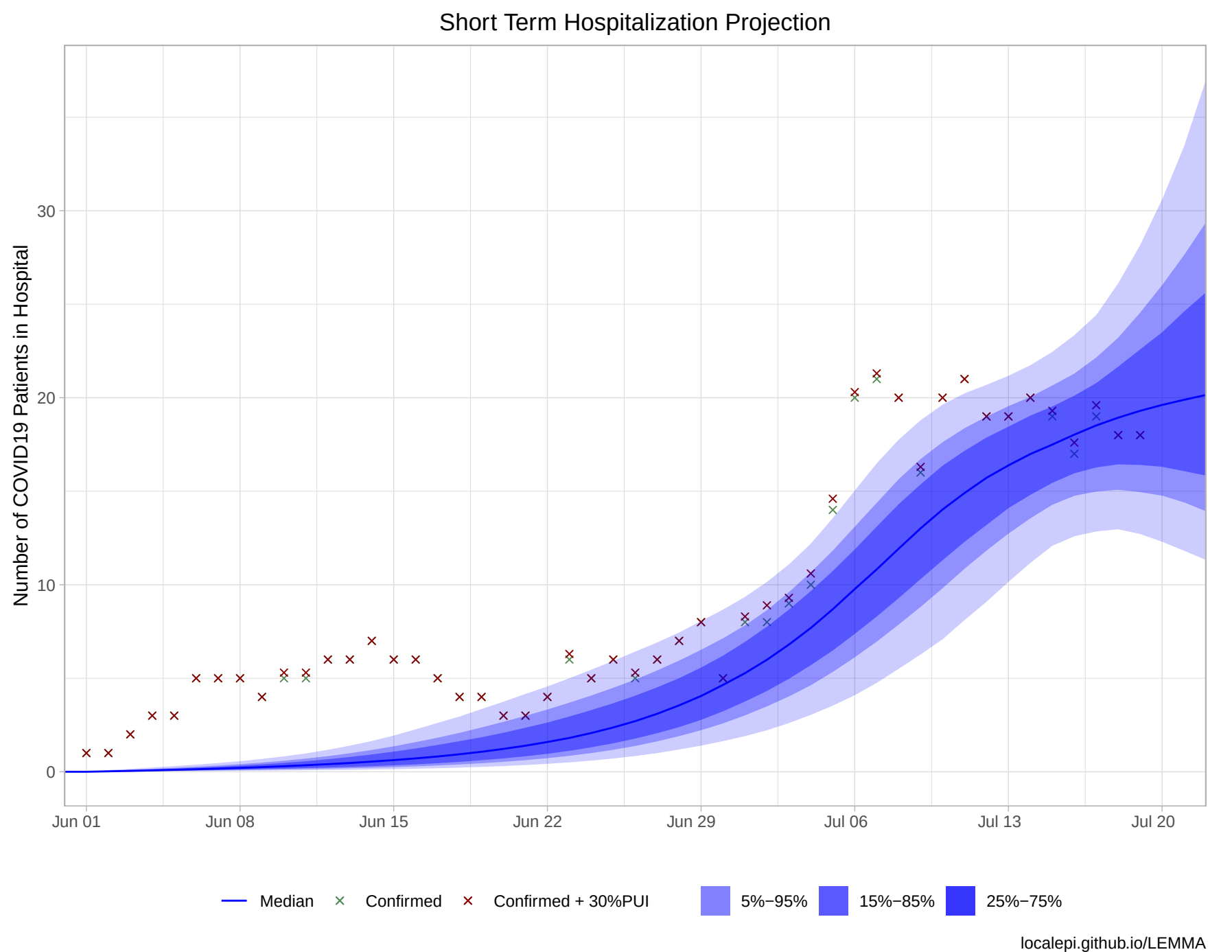
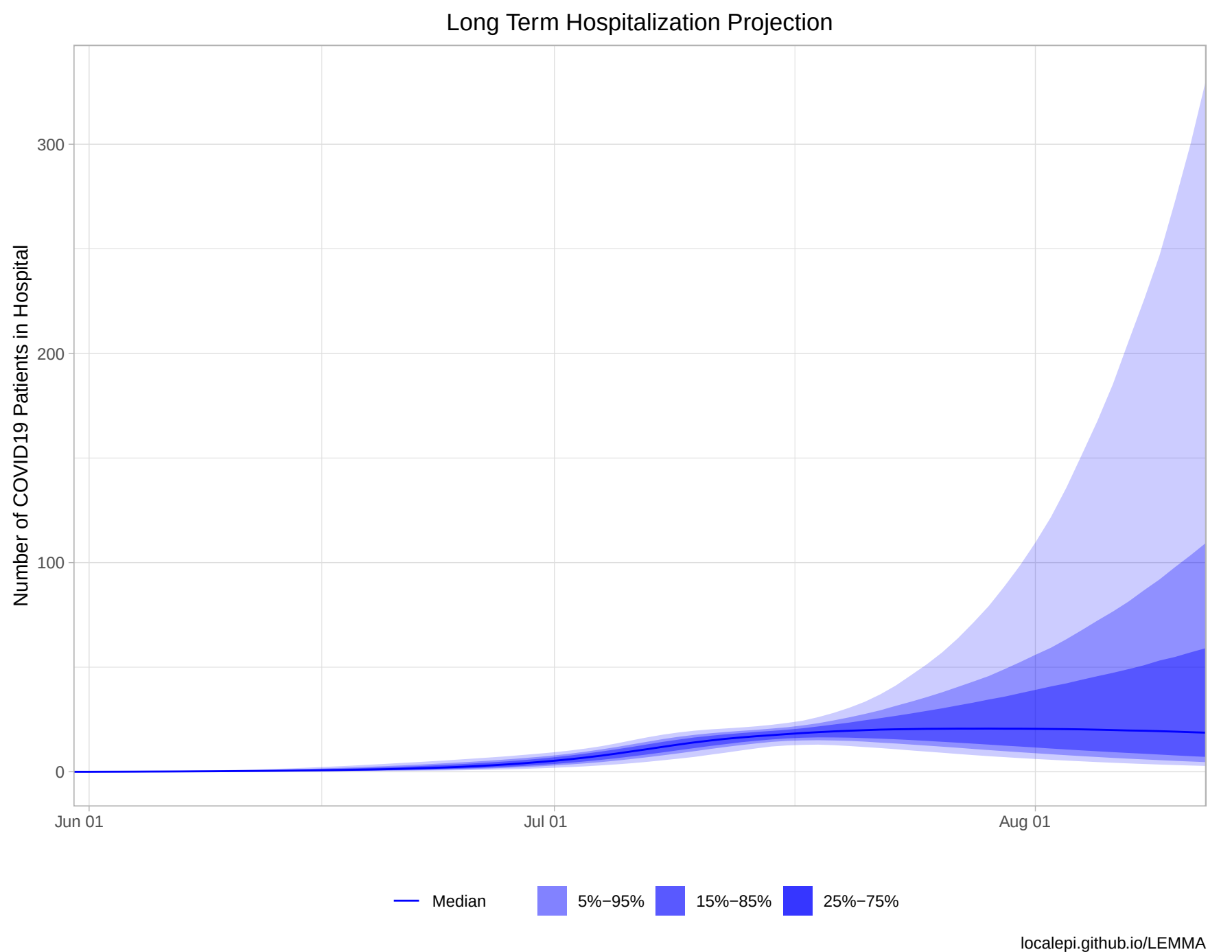
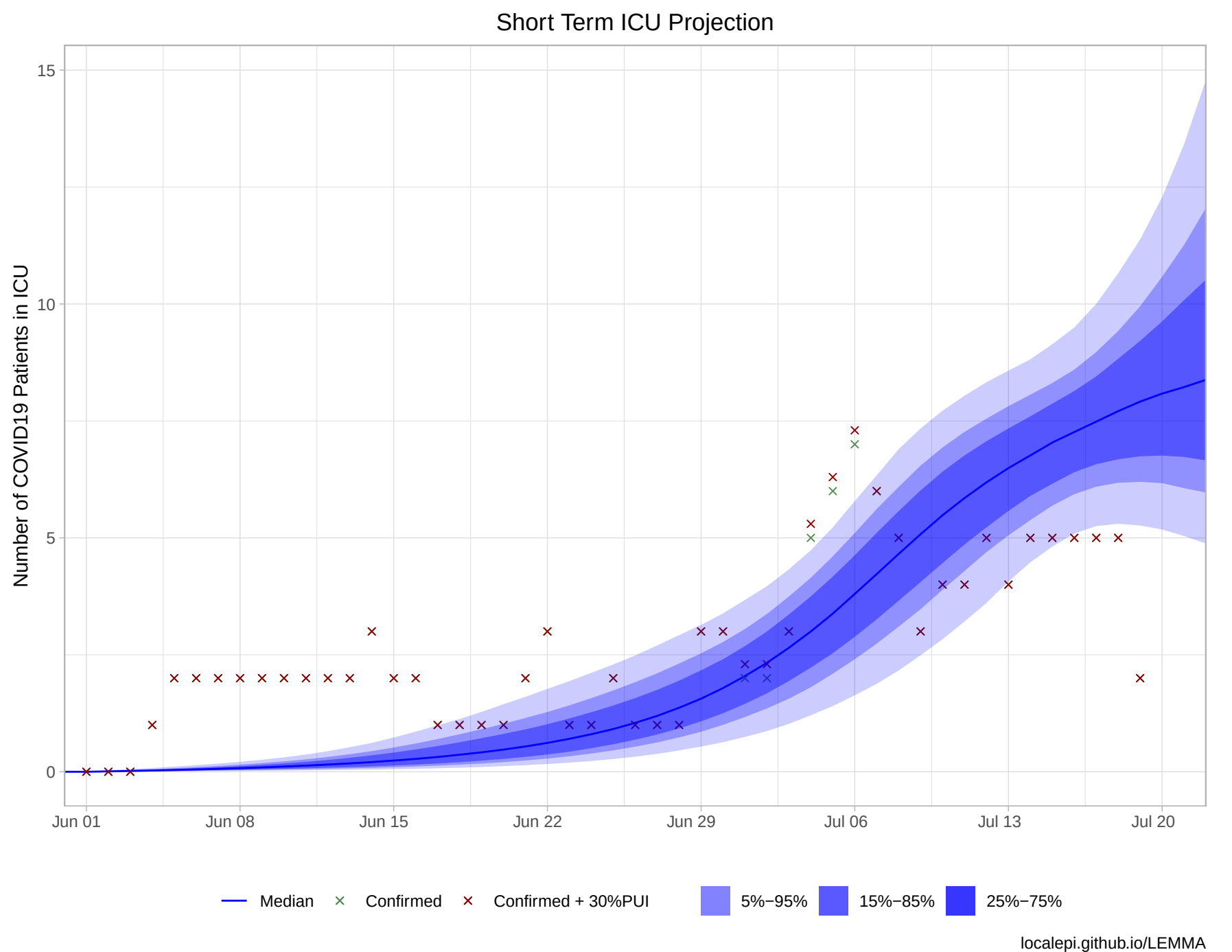
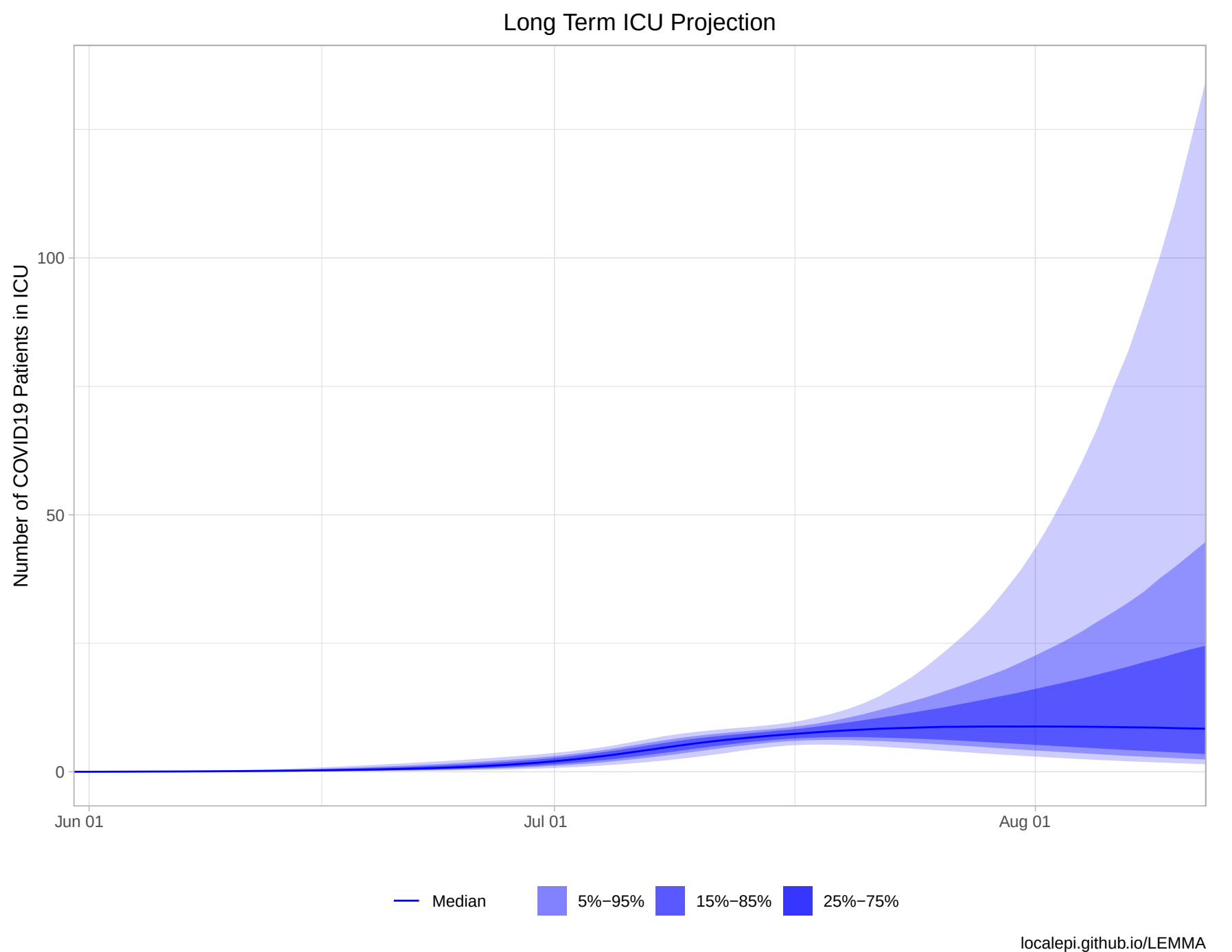
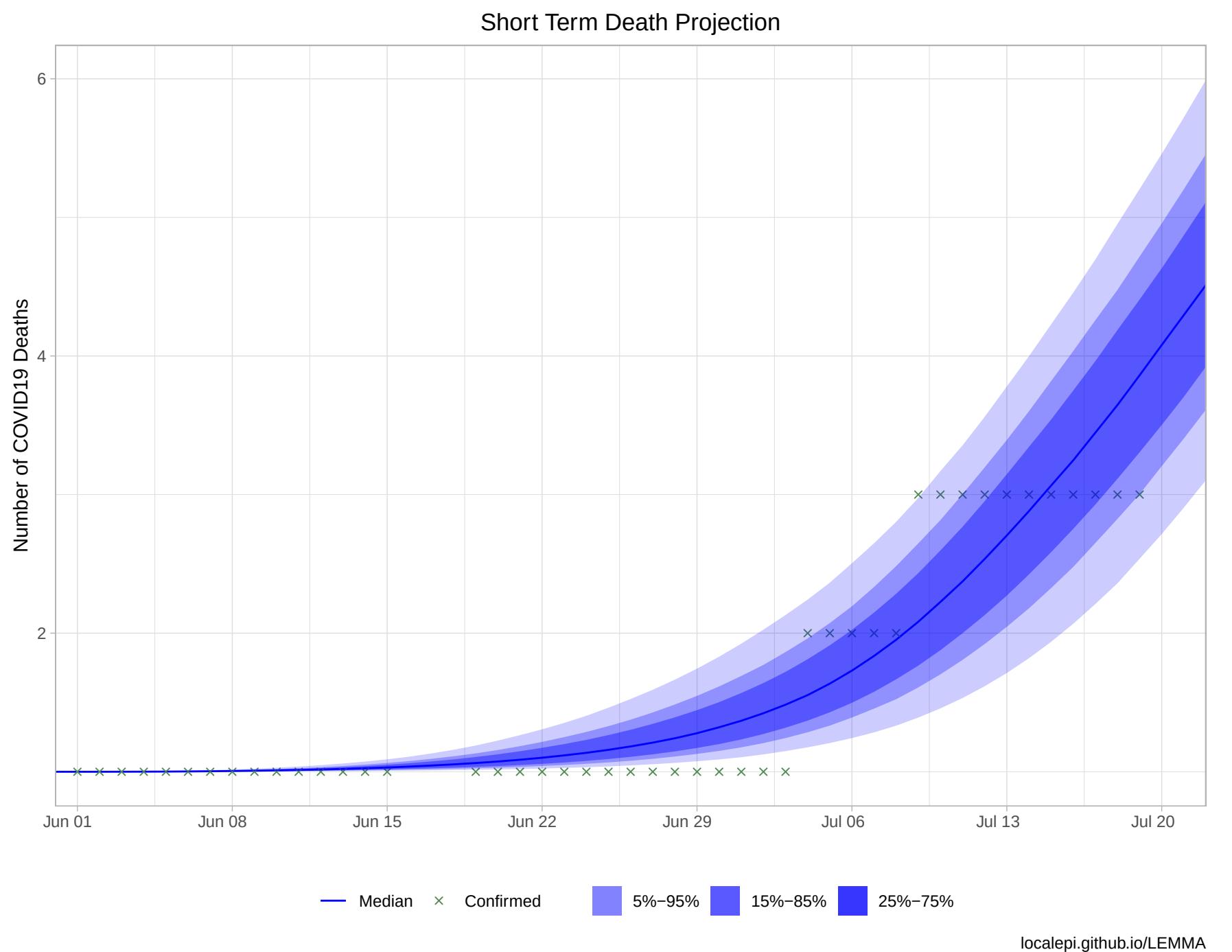
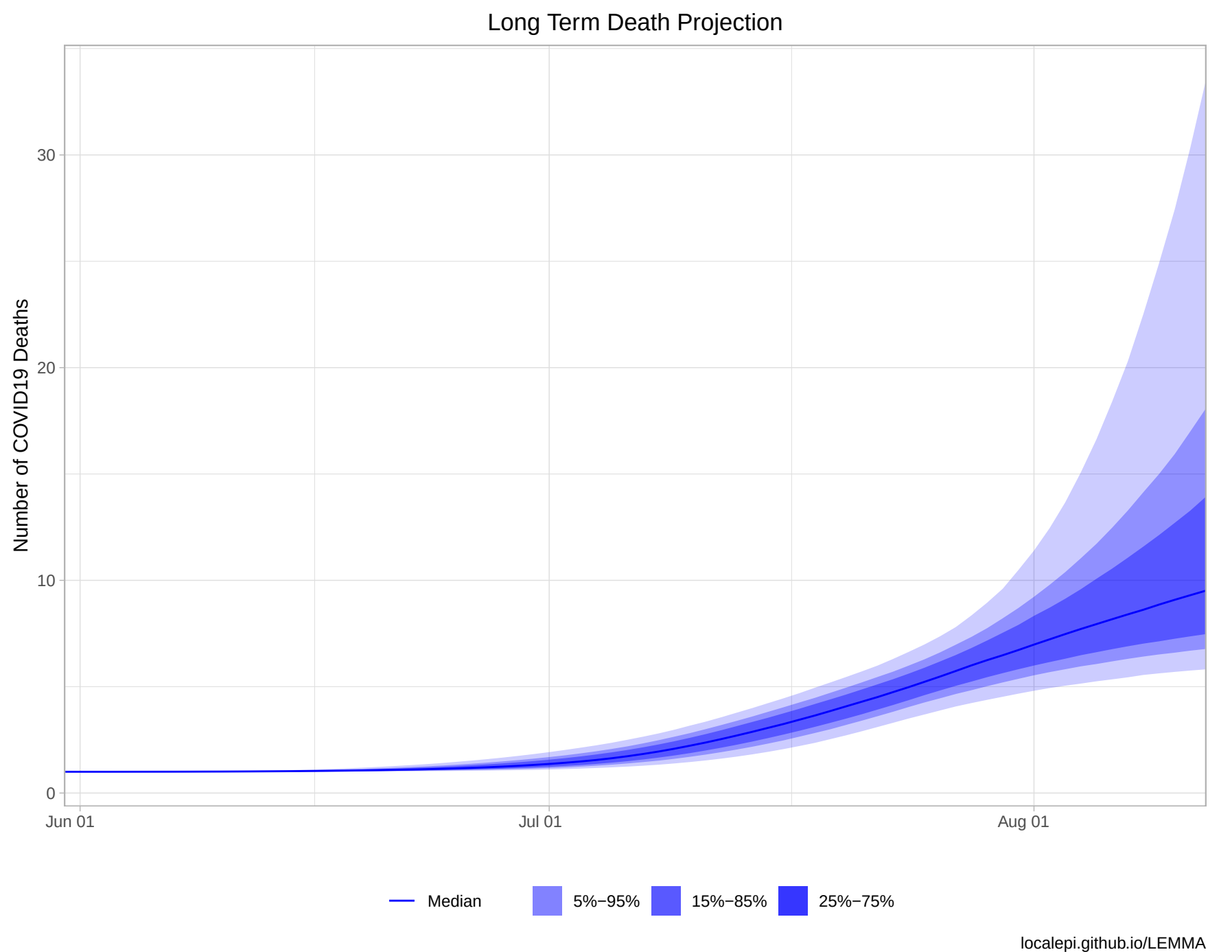

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
10
20
30
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

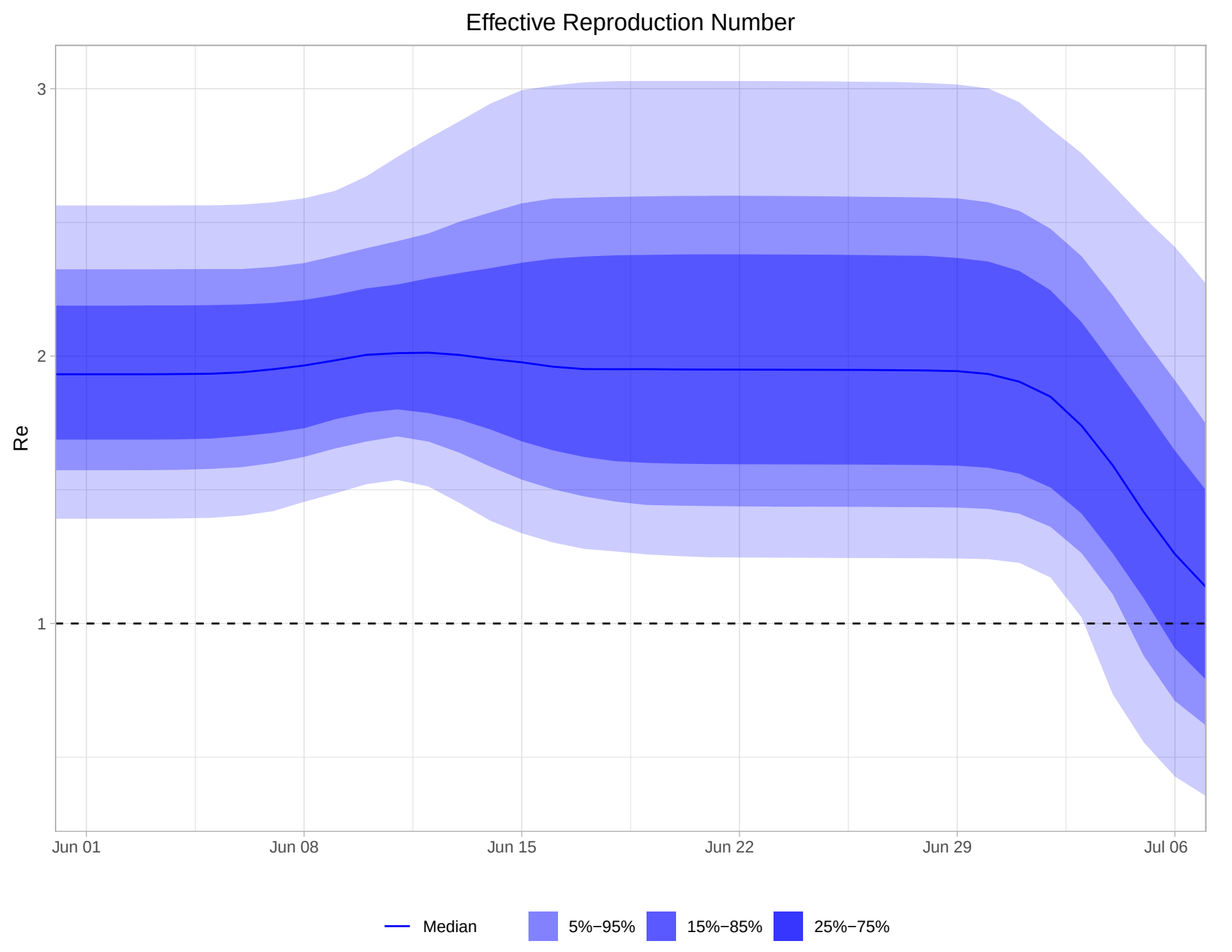

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
300
200
100
0
Jun 01
Jul 01
Aug 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
15
10
5
0
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
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
100
50
0
Jun 01
Jul 01
Aug 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

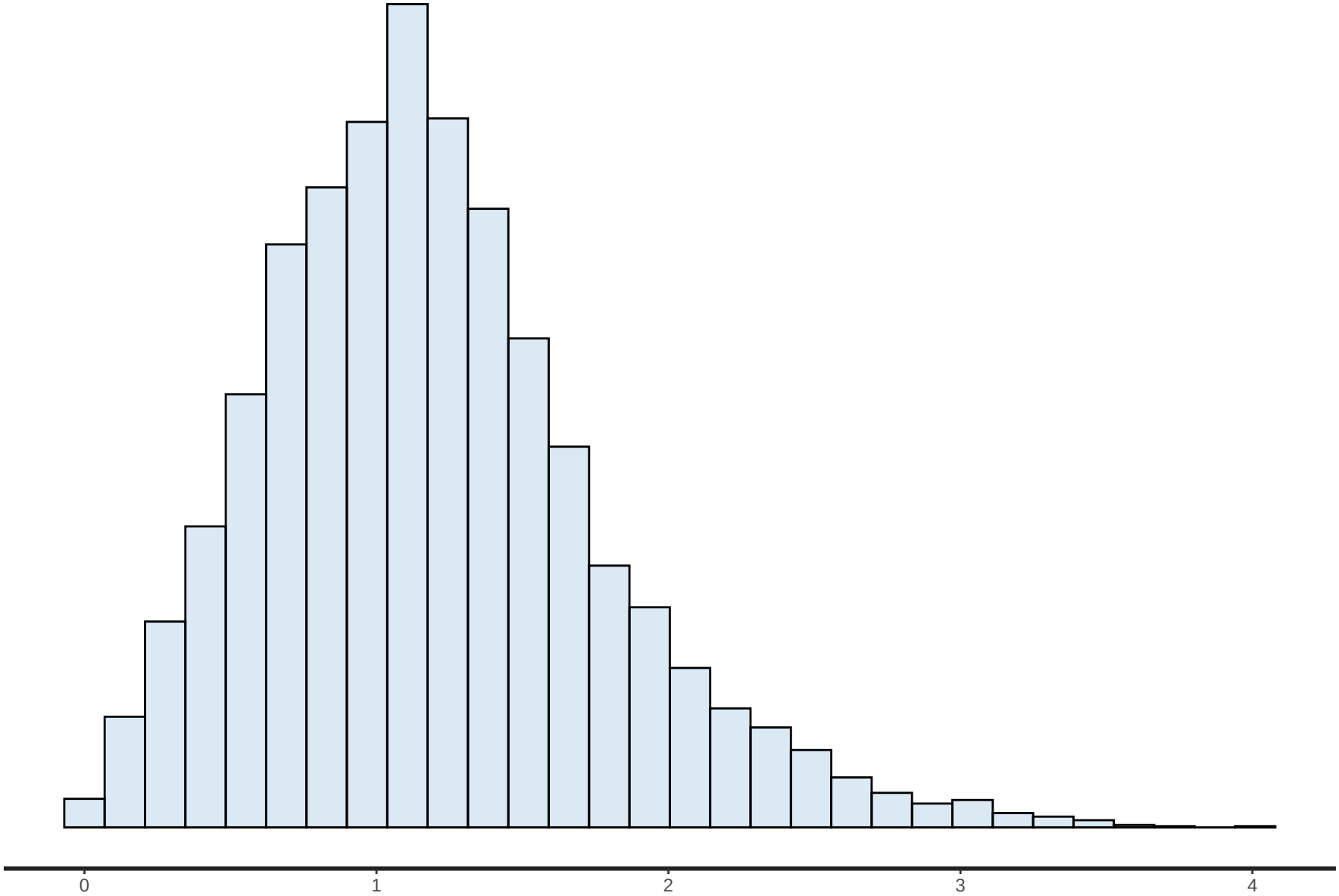

Short Term Death Projection
Number of COVID19 Deaths
6
4
2
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

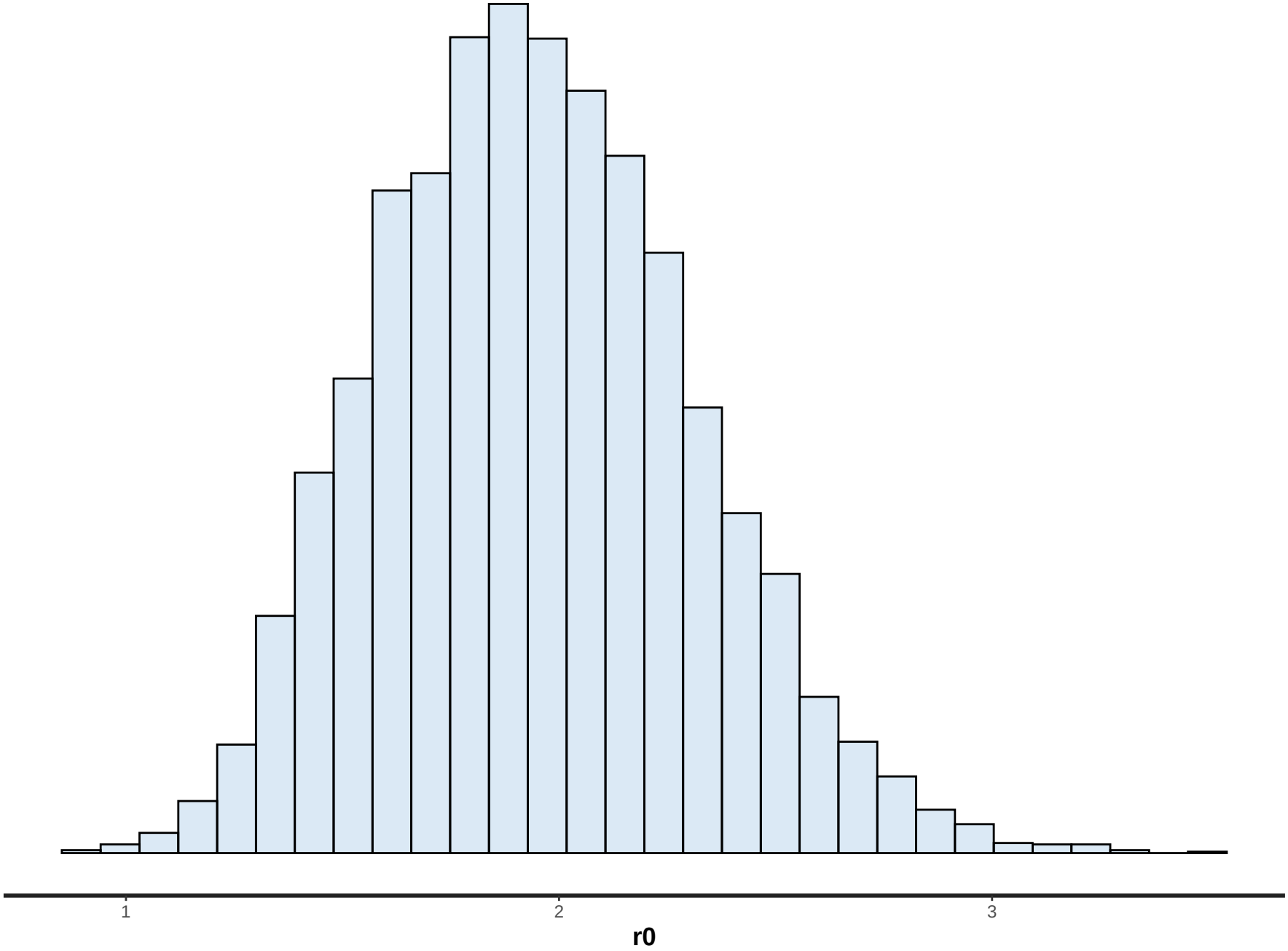

Long Term Death Projection
Number of COVID19 Deaths
0
10
20
30
Jun 01
Jul 01
Aug 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

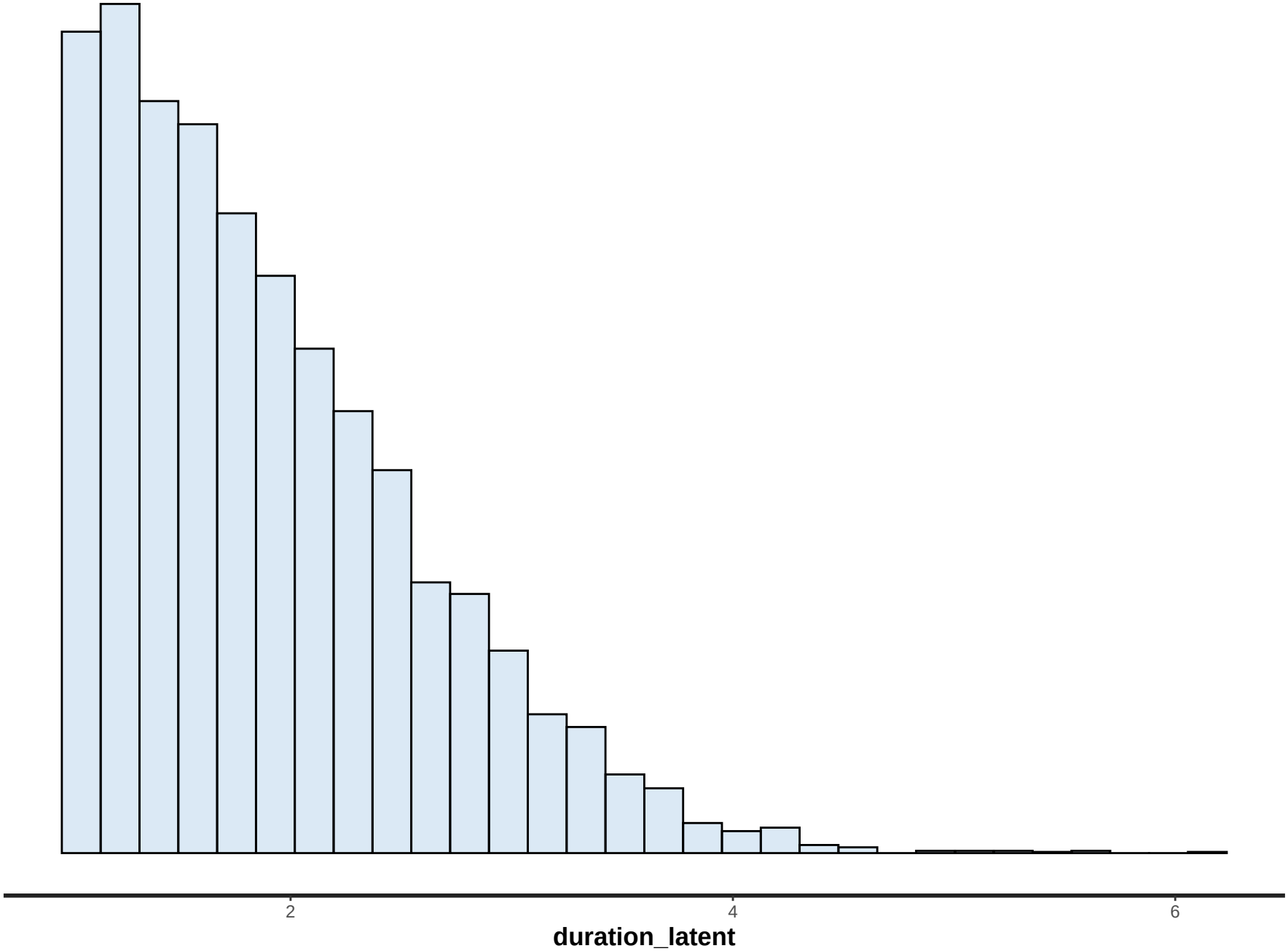

Effective Reproduction Number
Re
3
2
1
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Median
5%−95%
15%−85%
25%−75%

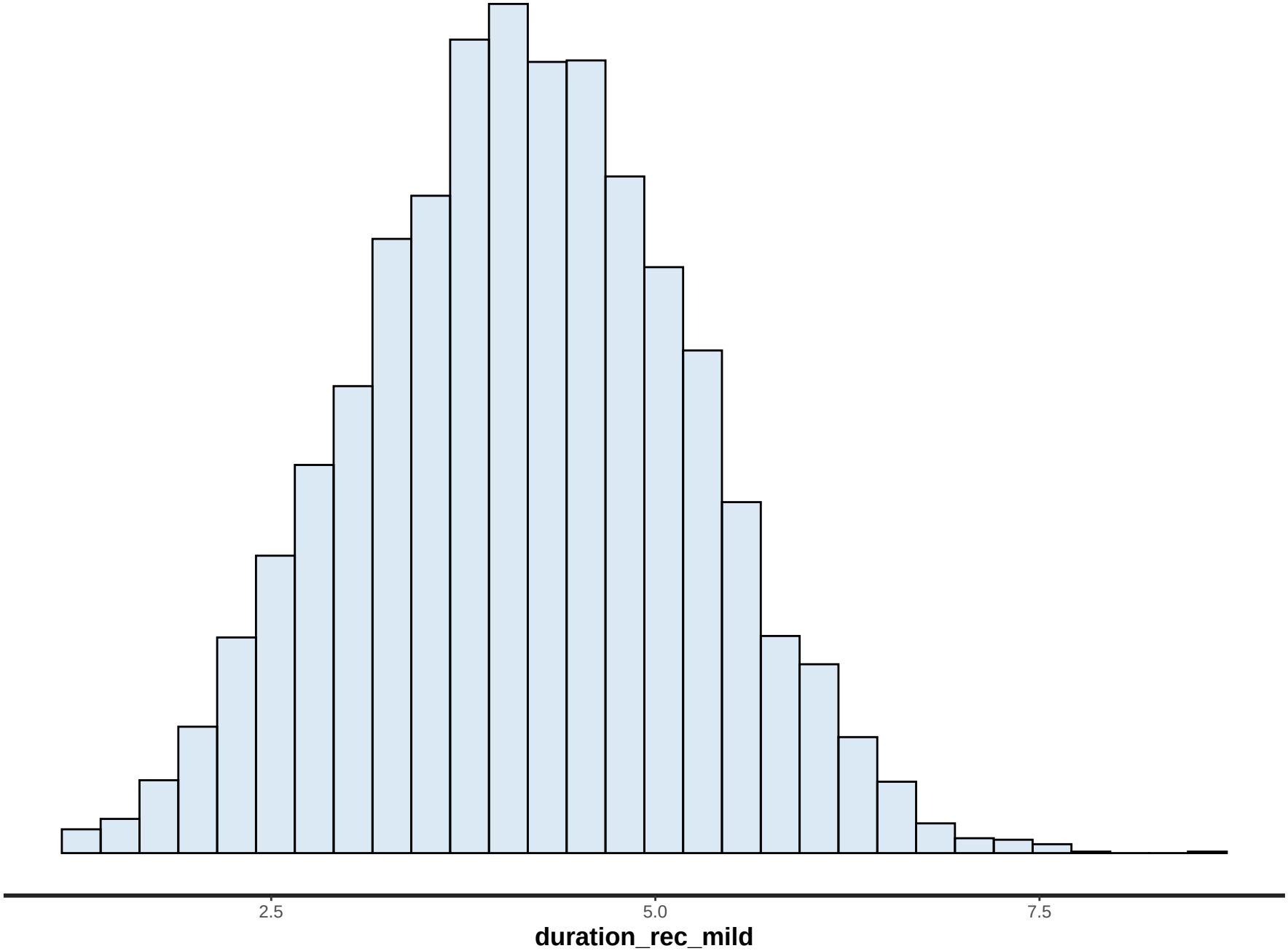
Rt as of 2020−07−07

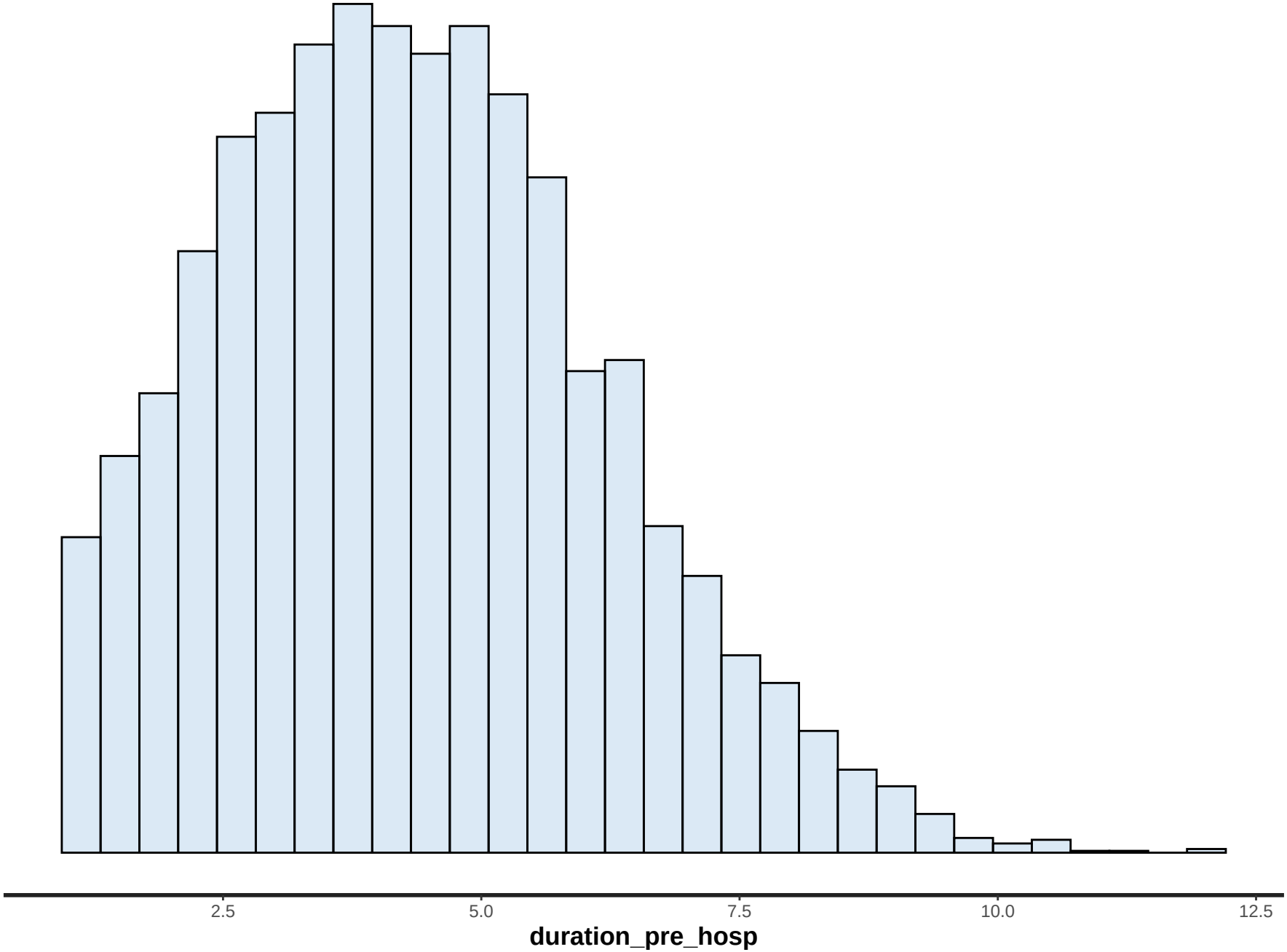
5%	10%	25%	50%	75%	90%	95%
0.35	0.51	0.79	1.14	1.50	1.95	2.27

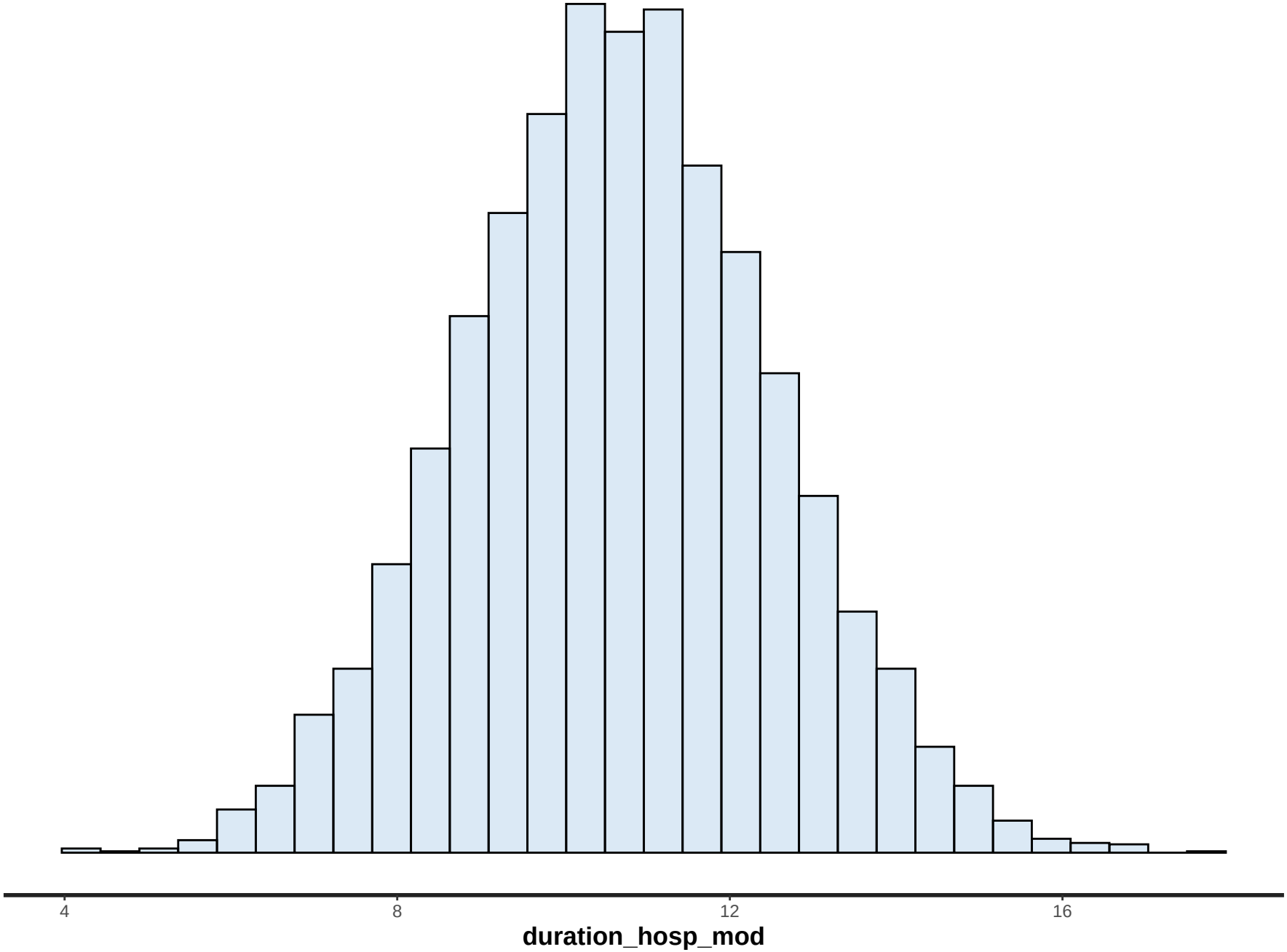


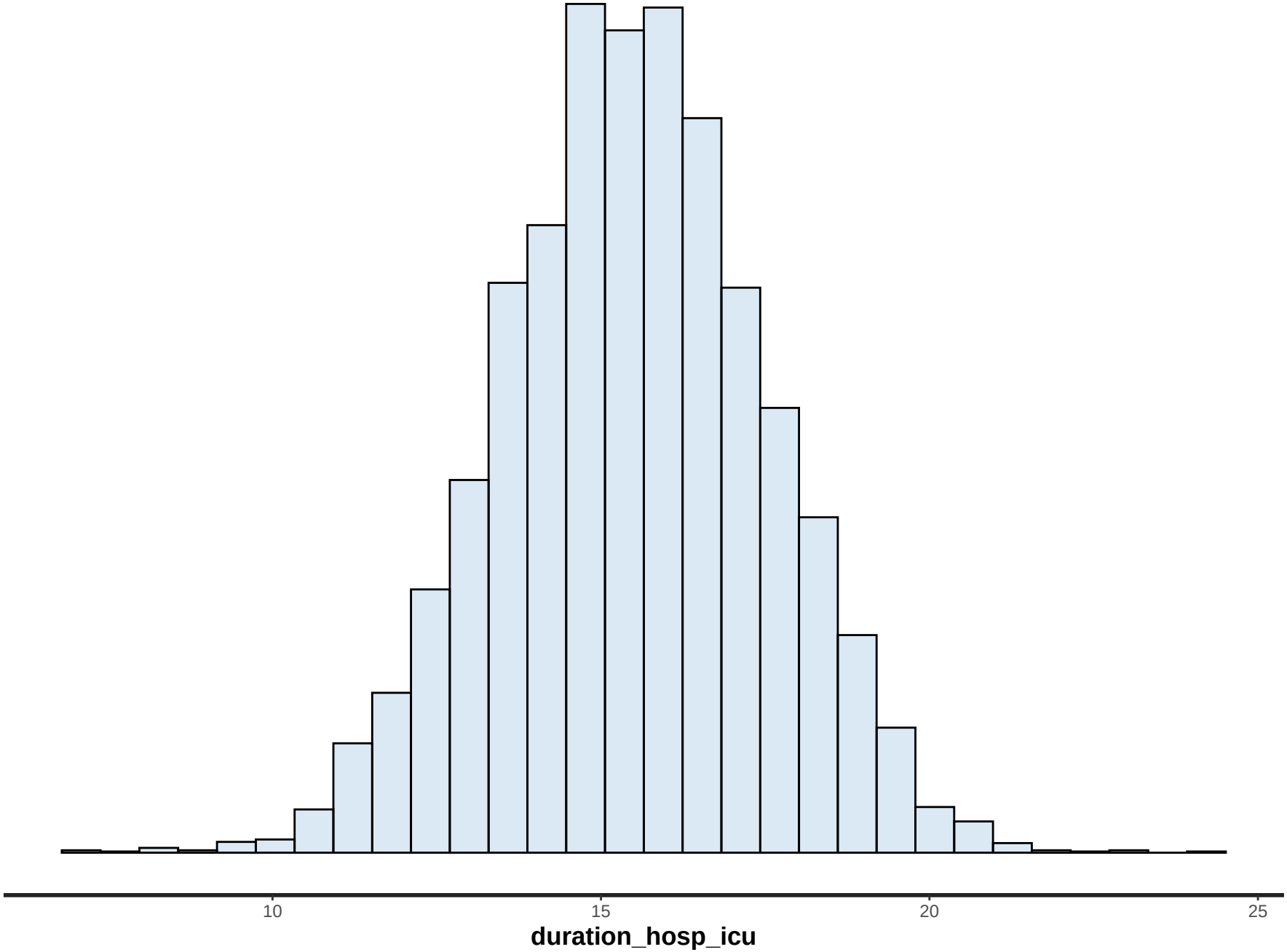

1
2
3
r0

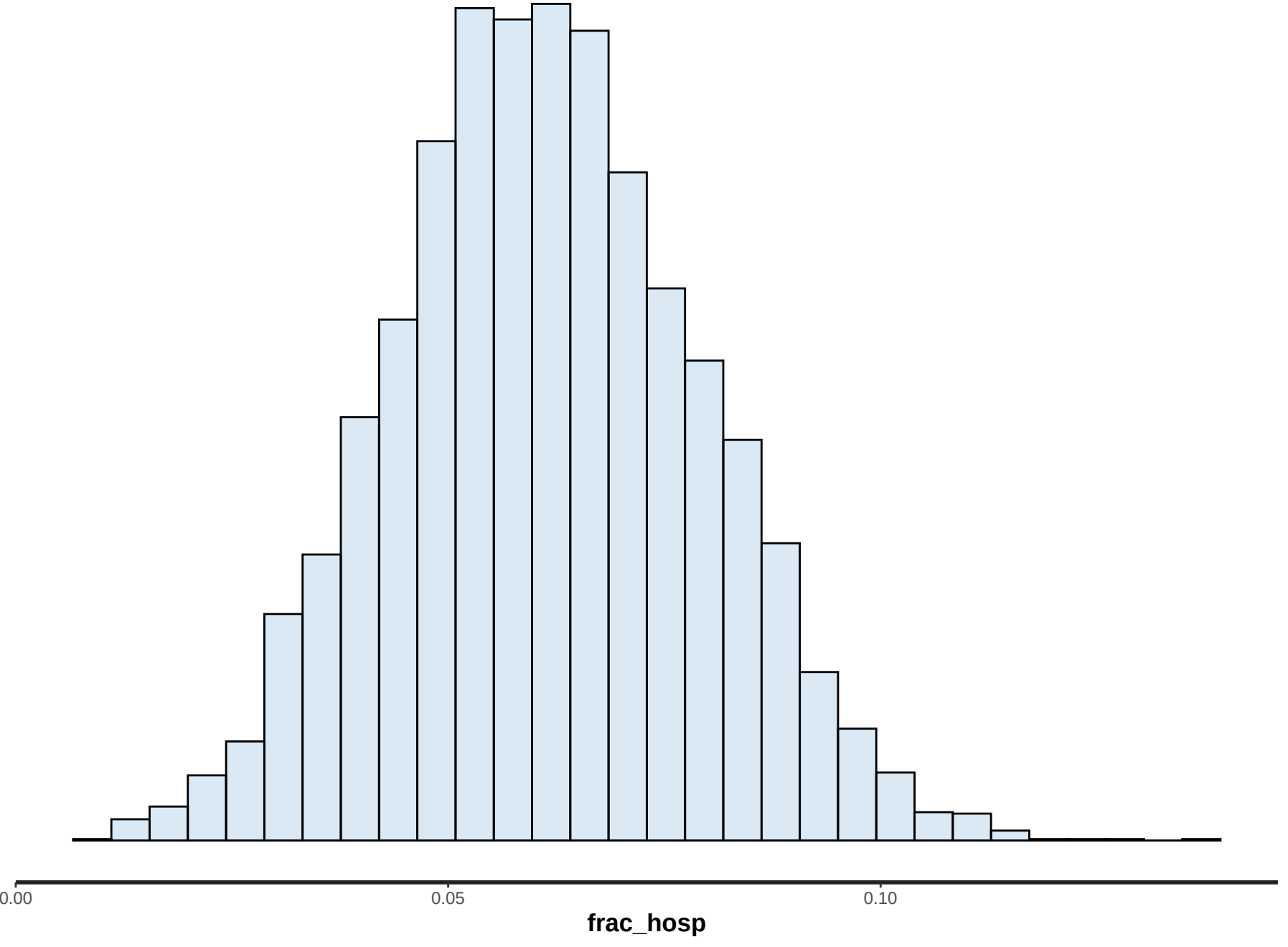

2
4
6
duration_latent

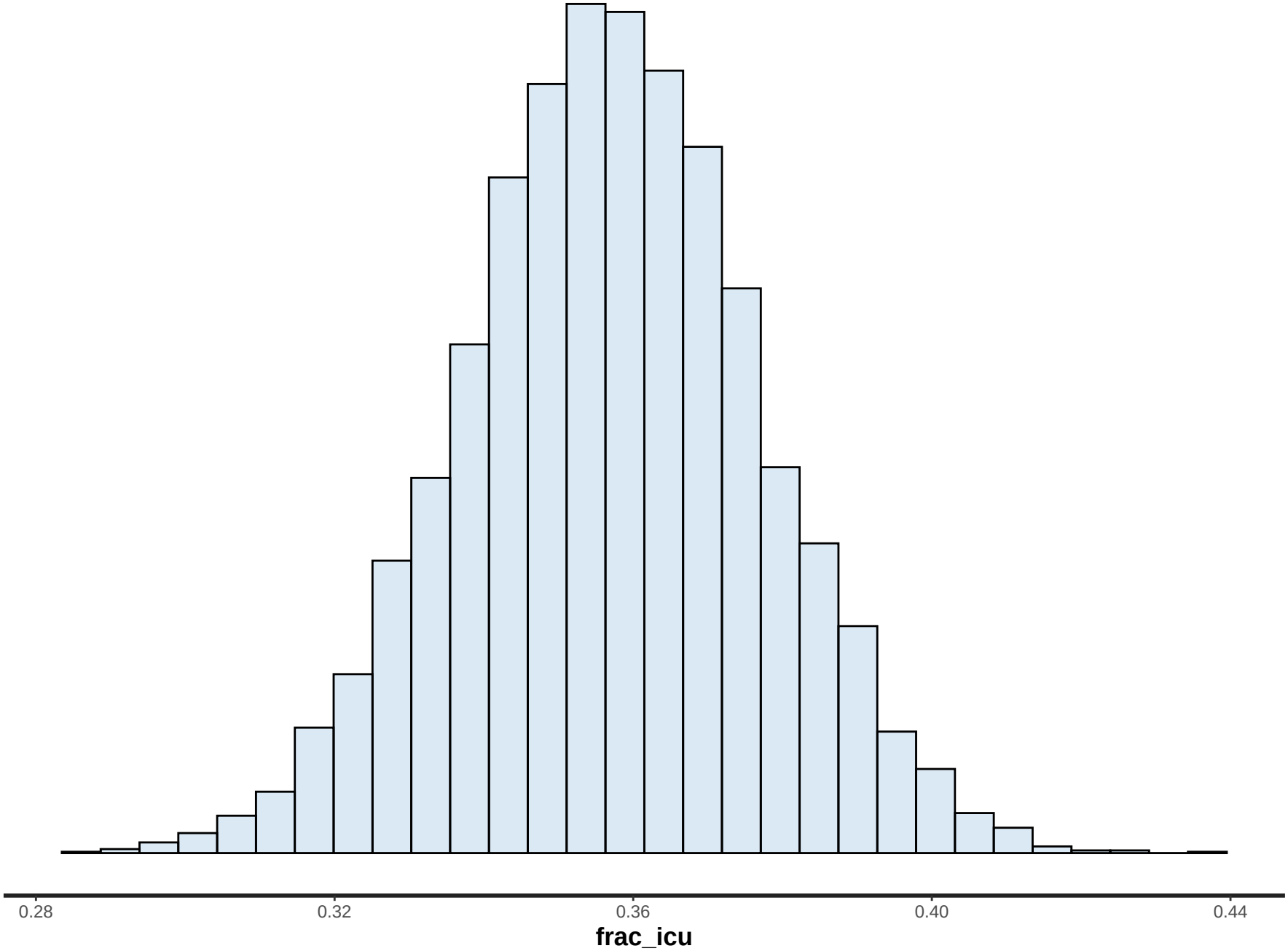

2.5
5.0
7.5
duration_rec_mild

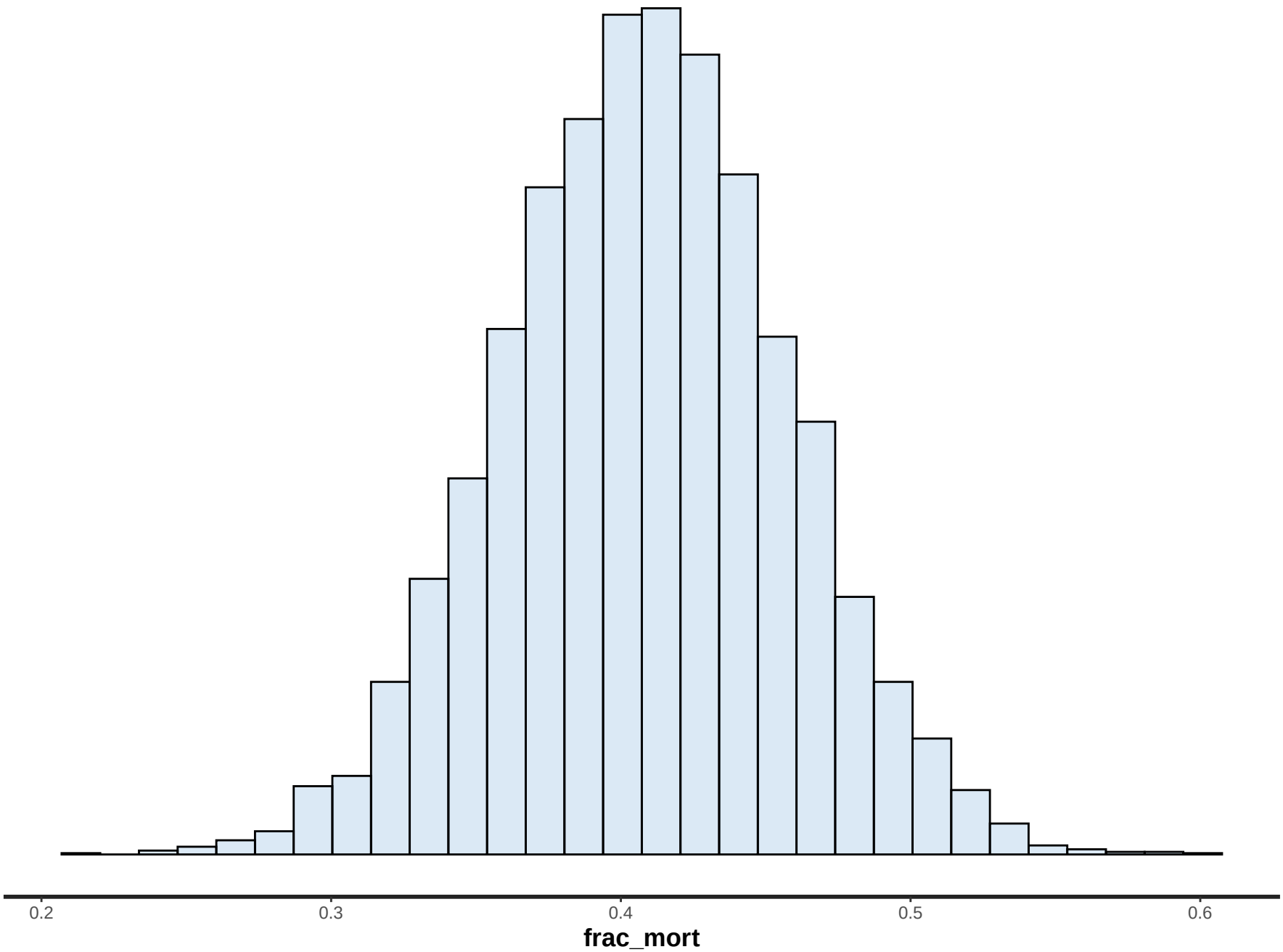

2.5
5.0
7.5
10.0
12.5
duration_pre_hosp

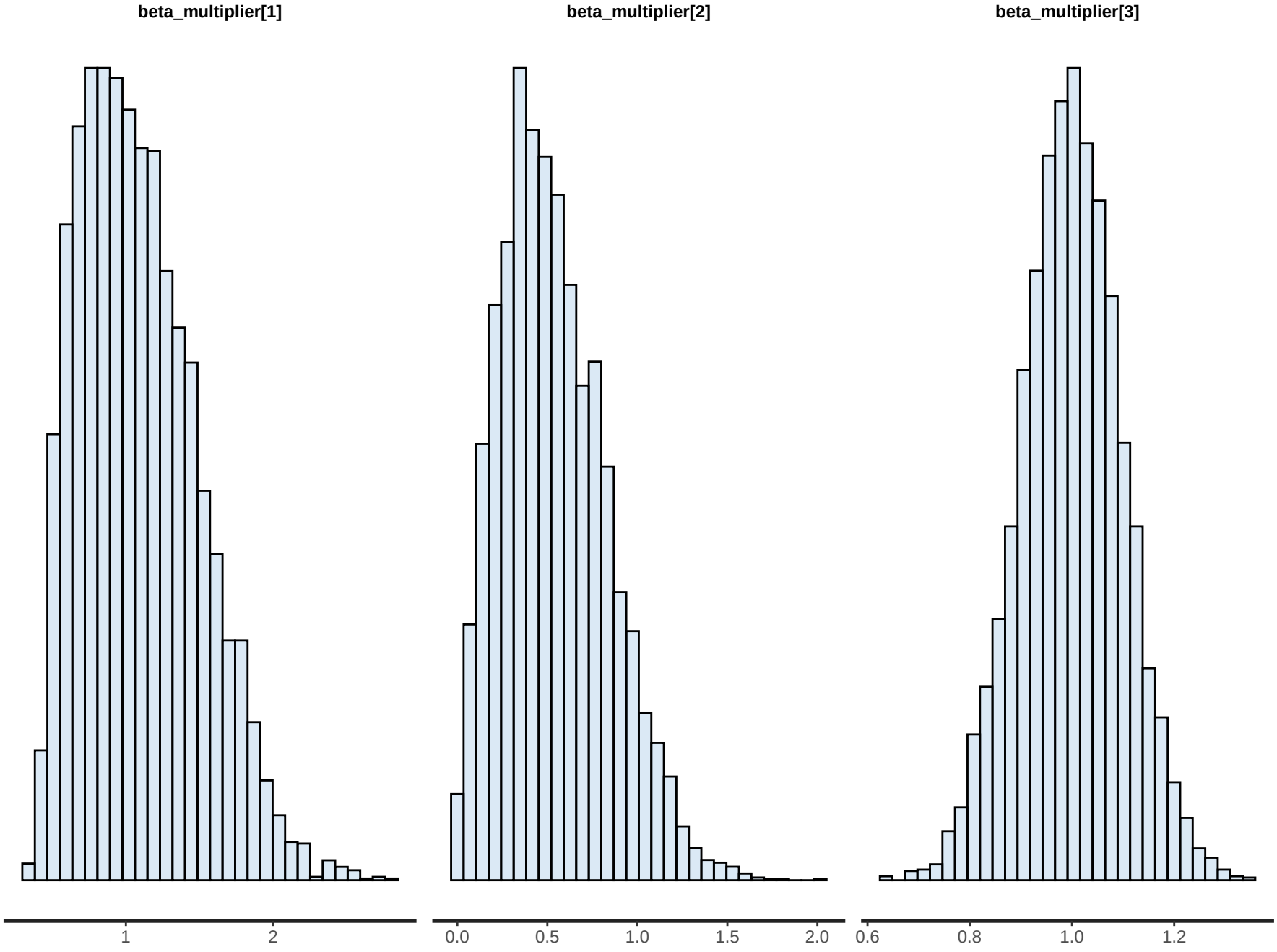

4
8
12
16
duration_hosp_mod

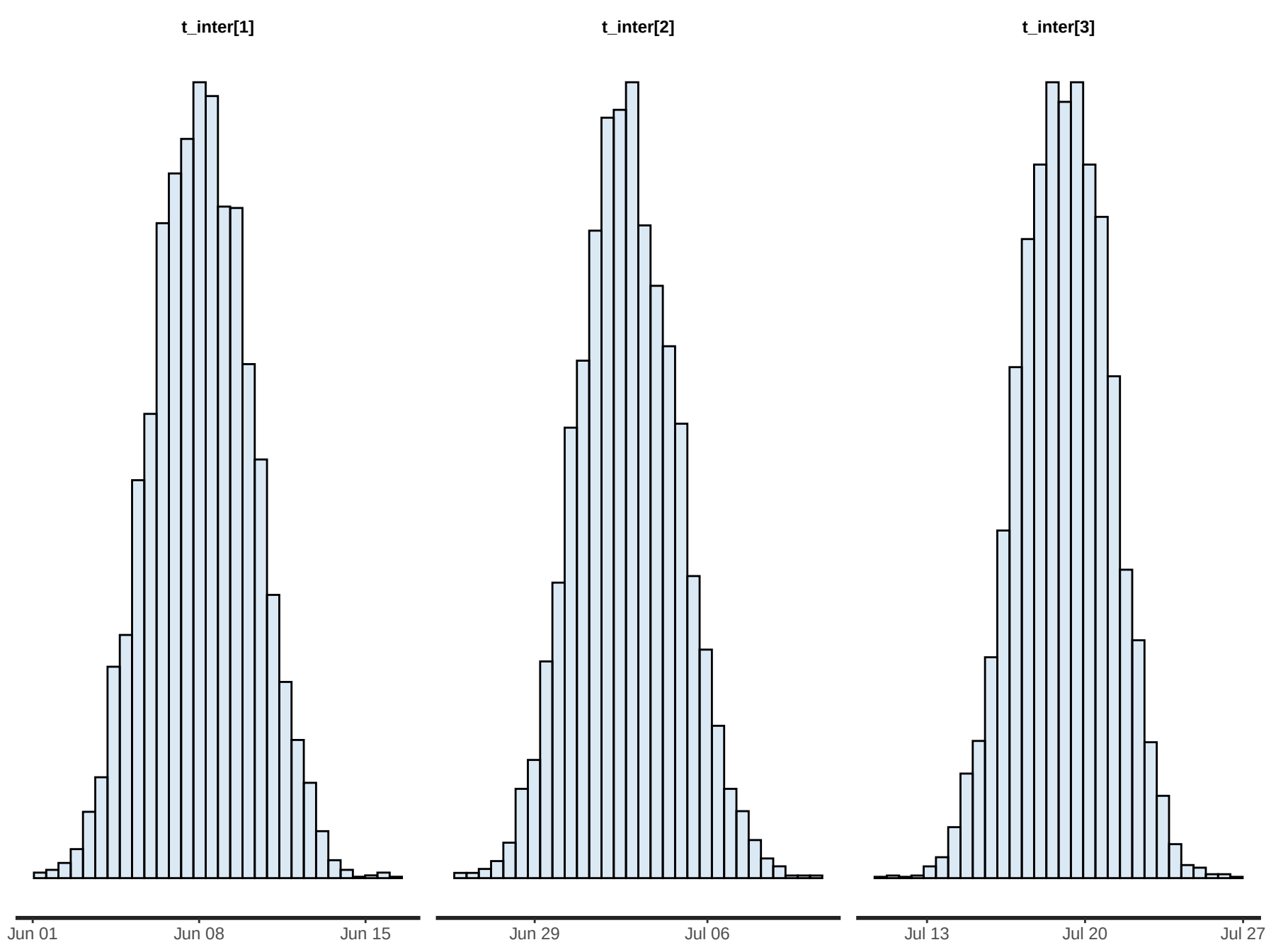

10
15
20
25
duration_hosp_icu

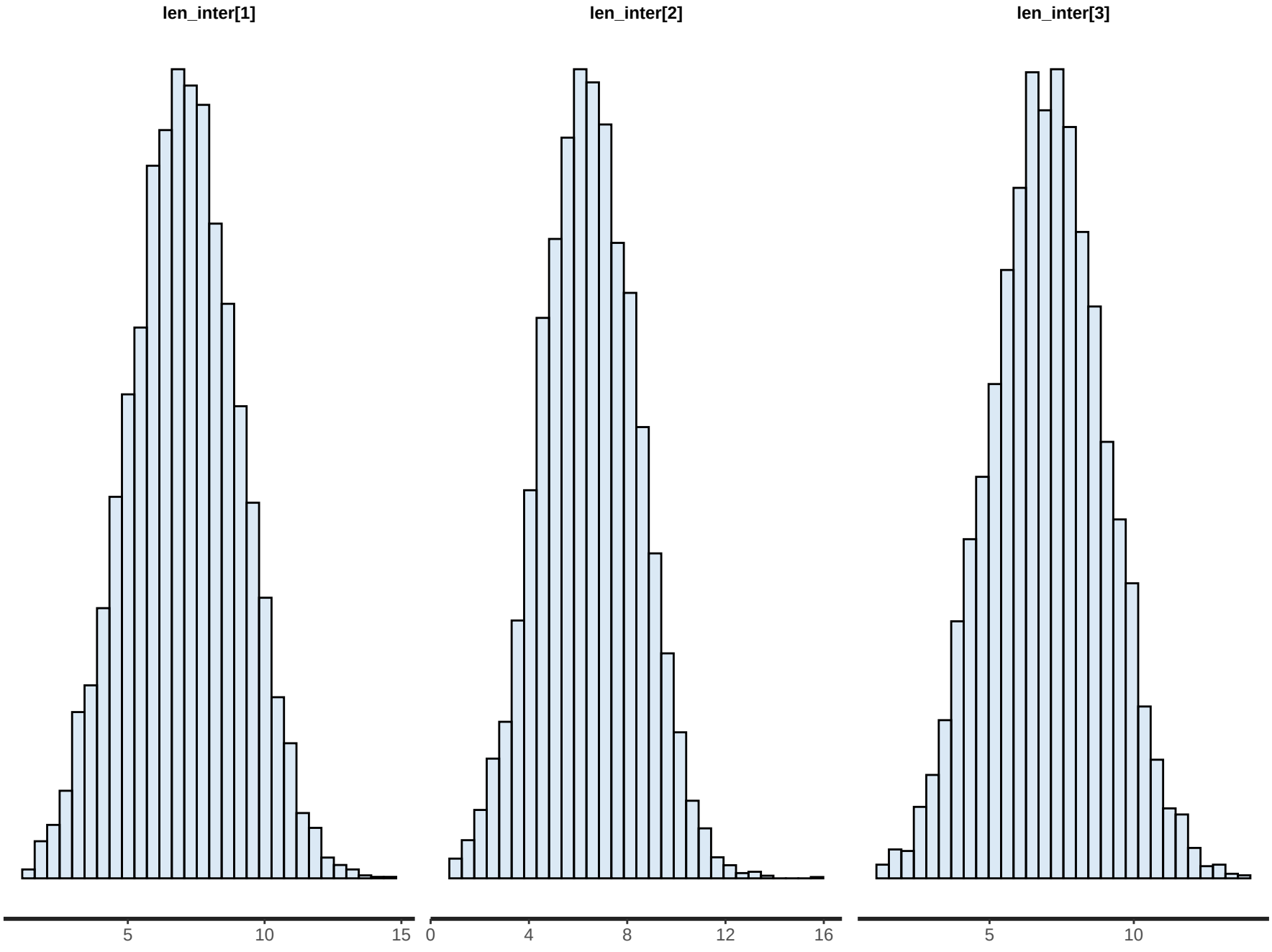

0.00
0.05
0.10
frac_hosp

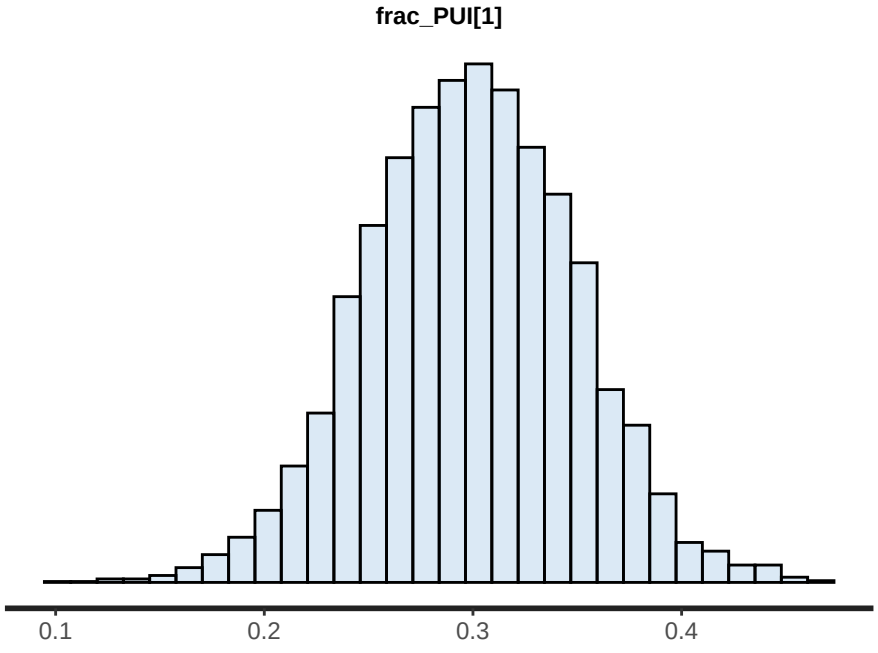

0.28
0.32
0.36
0.40
0.44
frac_icu

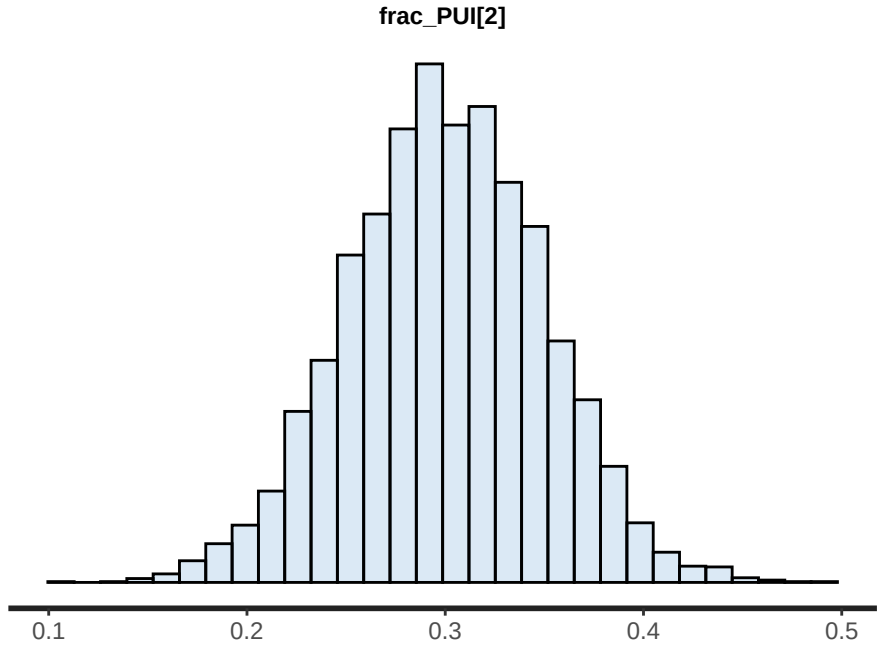

0.2
0.3
0.4
0.5
0.6
frac_mort

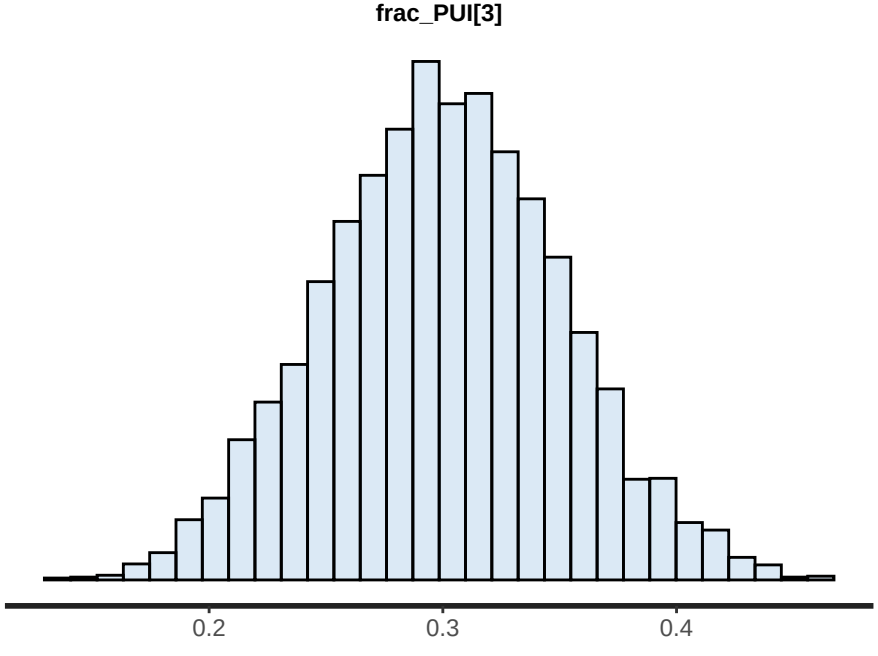

beta_multiplier[1]
beta_multiplier[2]
beta_multiplier[3]
1
2
0.0
0.5
1.0
1.5
2.0
0.6
0.8
1.0
1.2

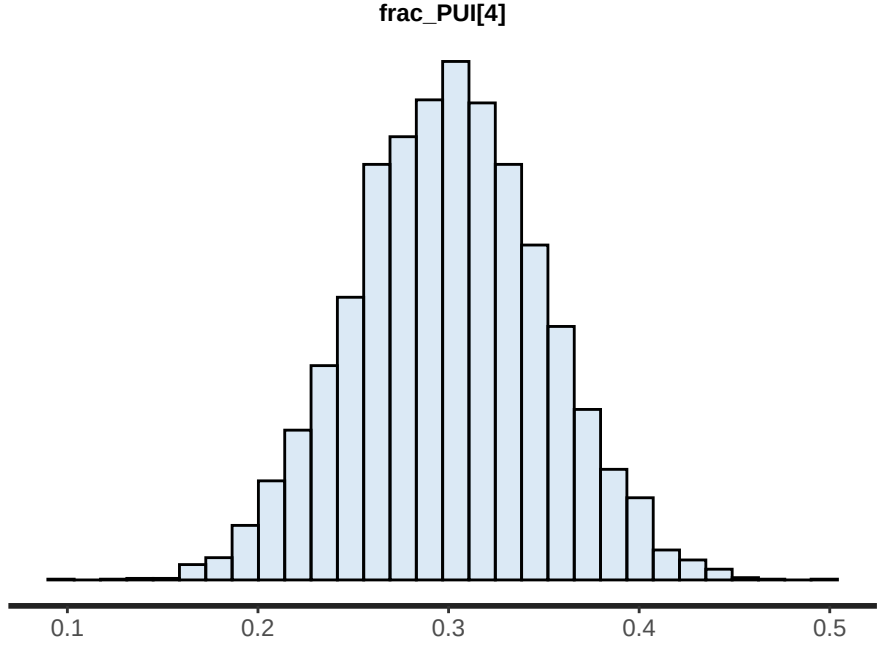

t_inter[1]
t_inter[2]
t_inter[3]
Jun 01
Jun 08
Jun 15
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27

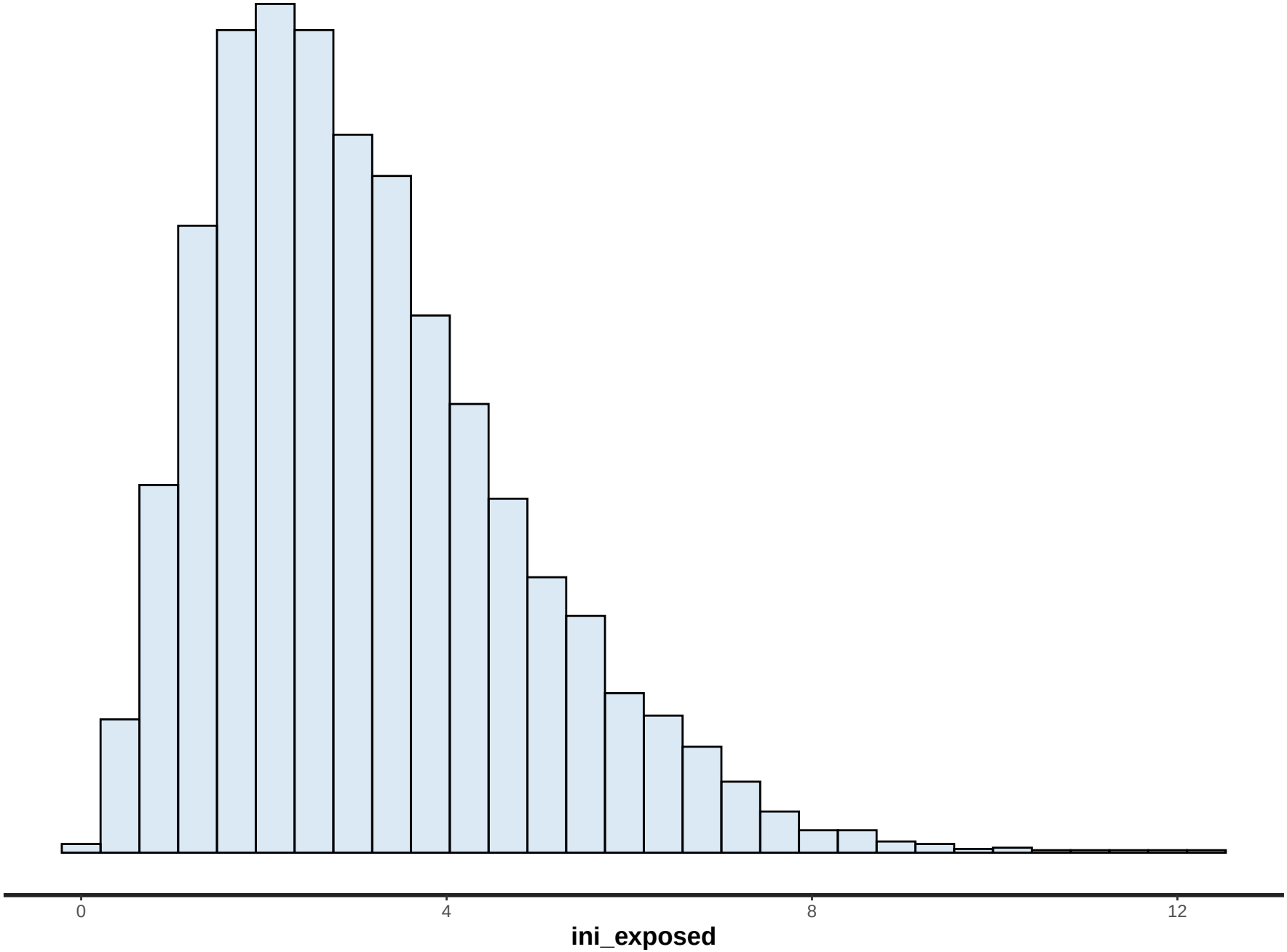

len_inter[1]
len_inter[2]
len_inter[3]
5
10
15
0
4
8
12
16
5
10


frac_PUI[1]
0.1
0.2
0.3
0.4


frac_PUI[2]
0.1
0.2
0.3
0.4
0.5


frac_PUI[3]
0.2
0.3
0.4


frac_PUI[4]
0.1
0.2
0.3
0.4
0.5


0
4
8
12
ini_exposed