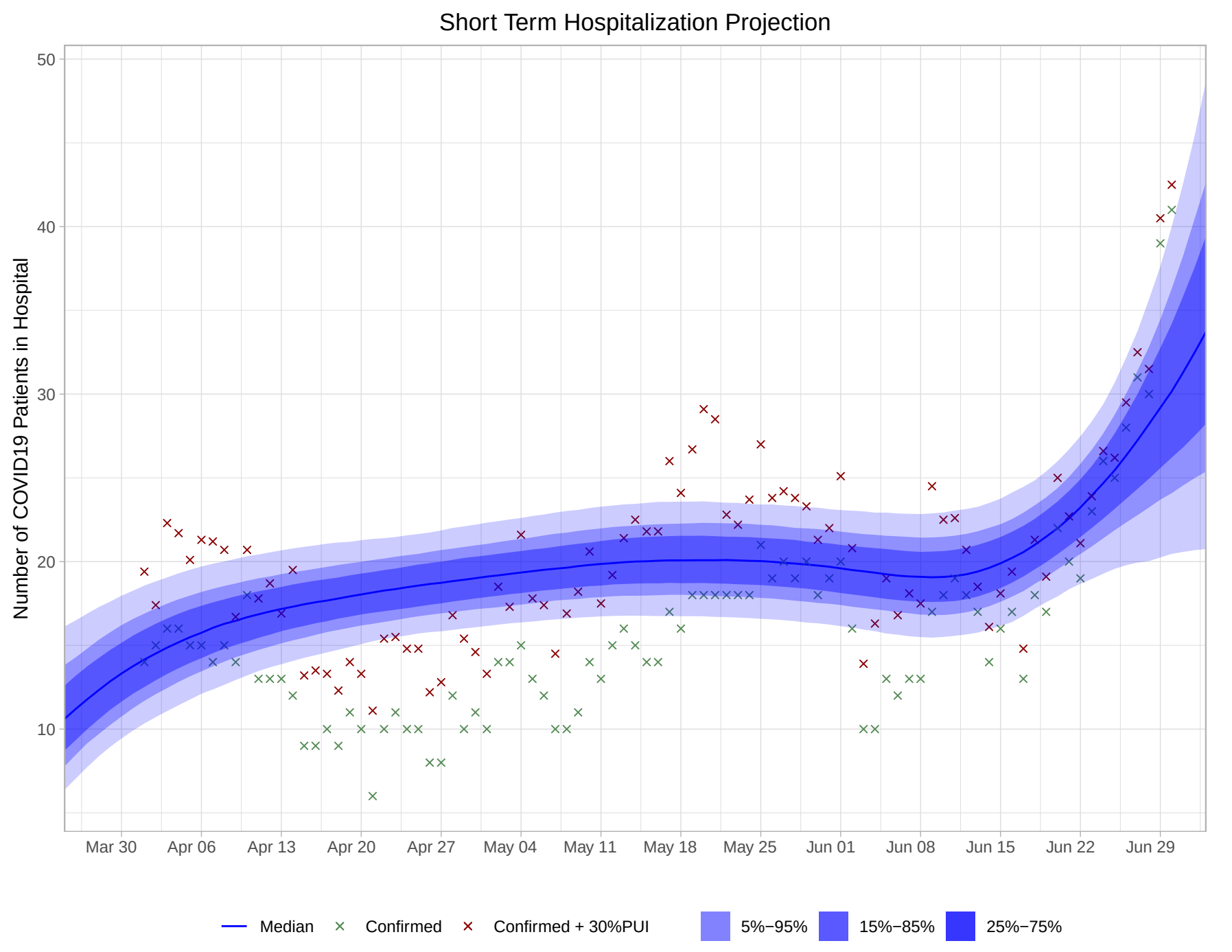
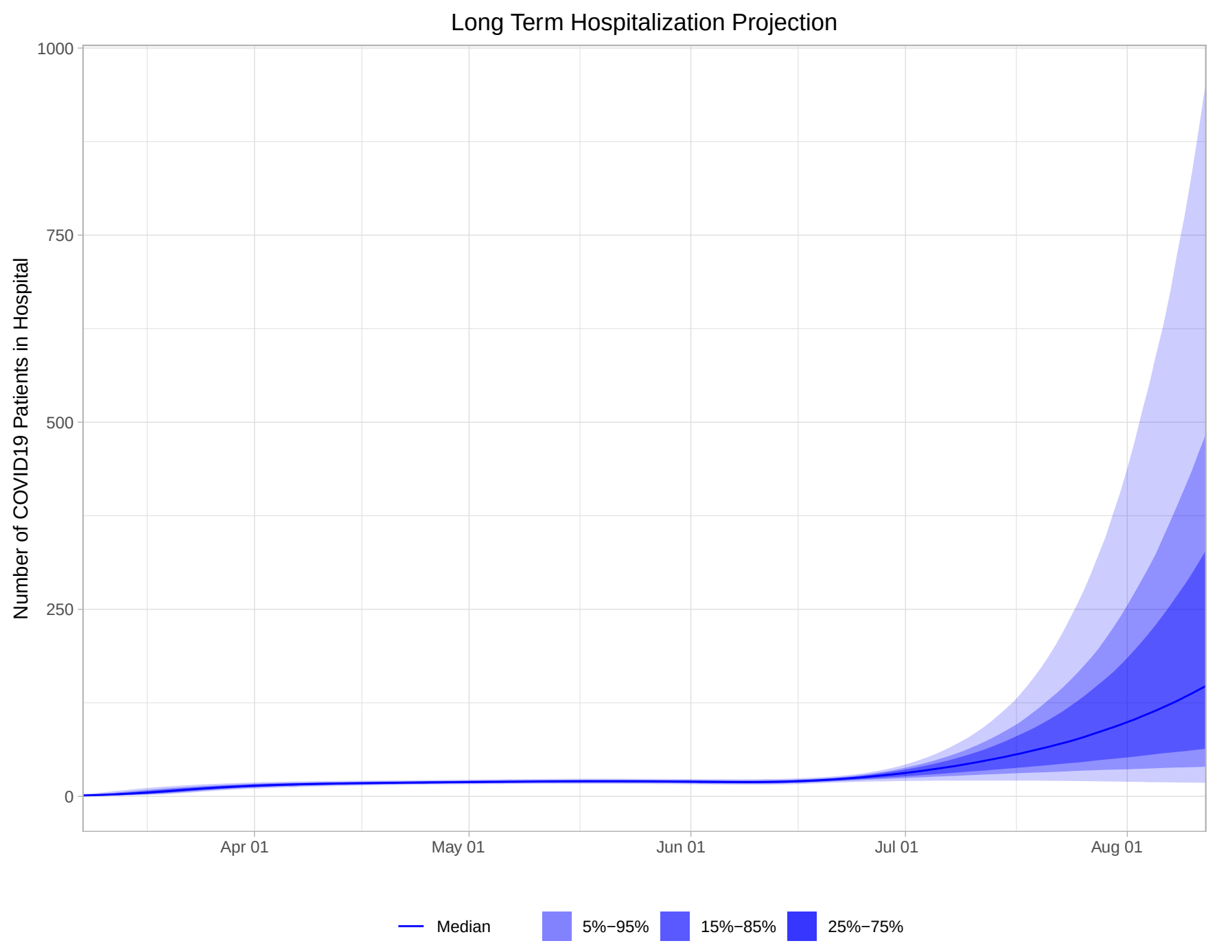
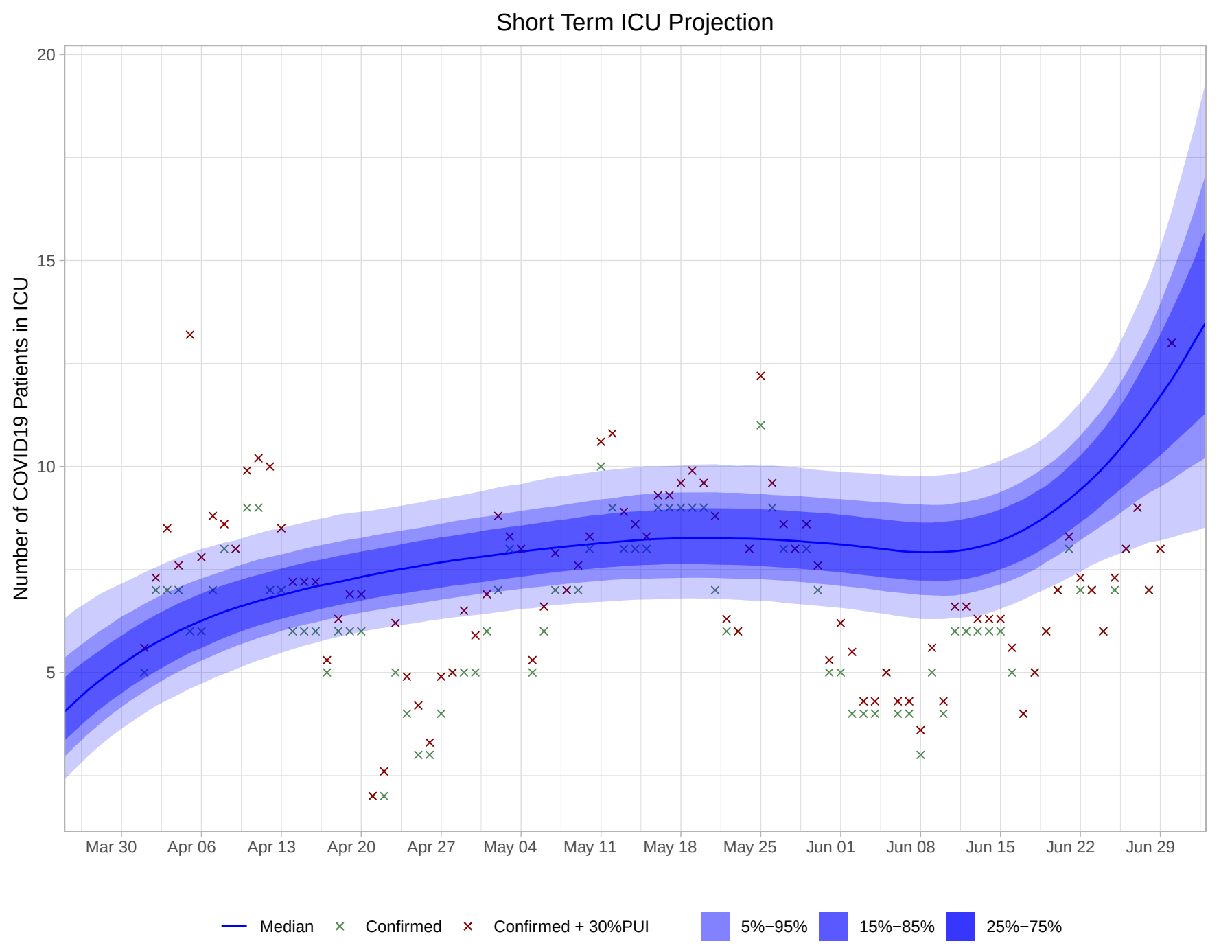
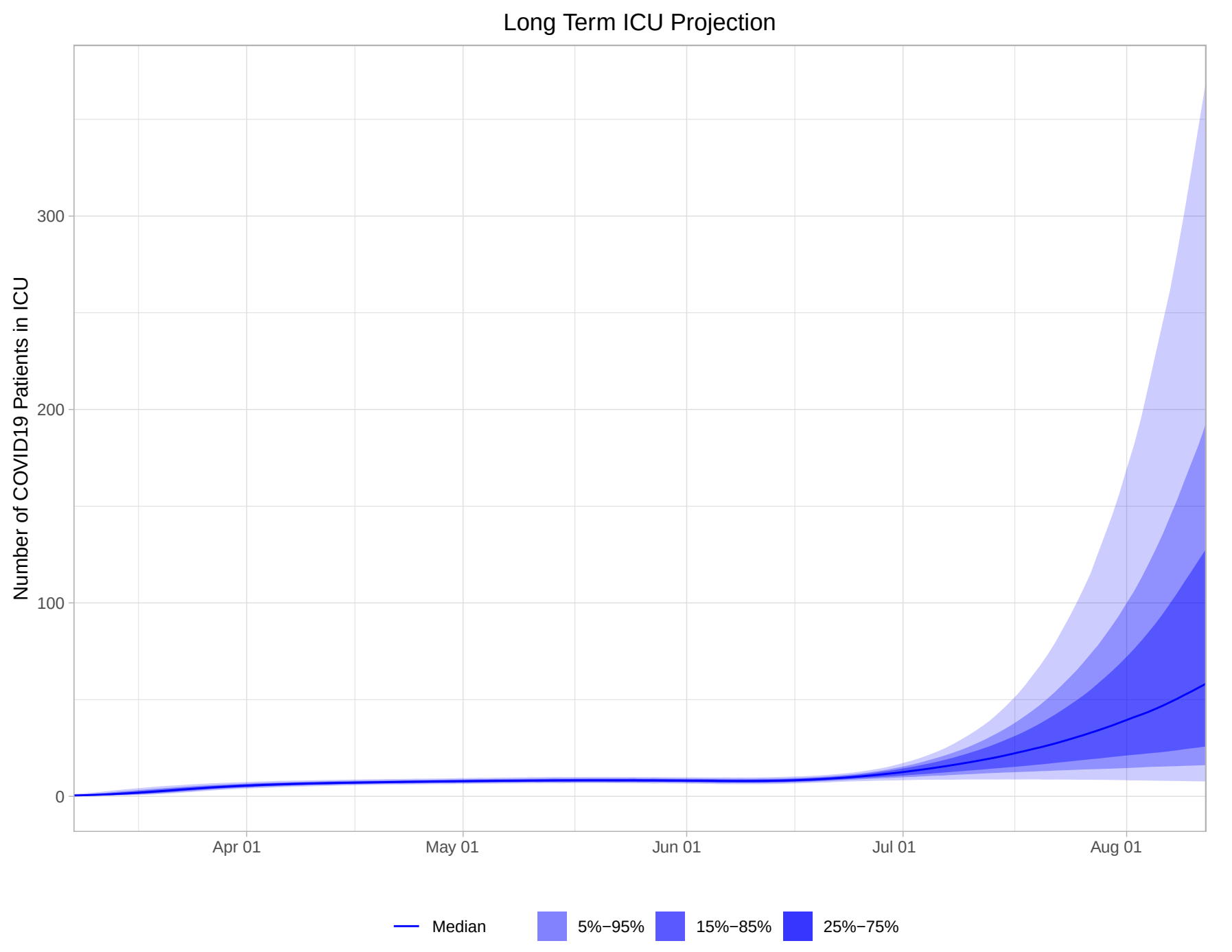
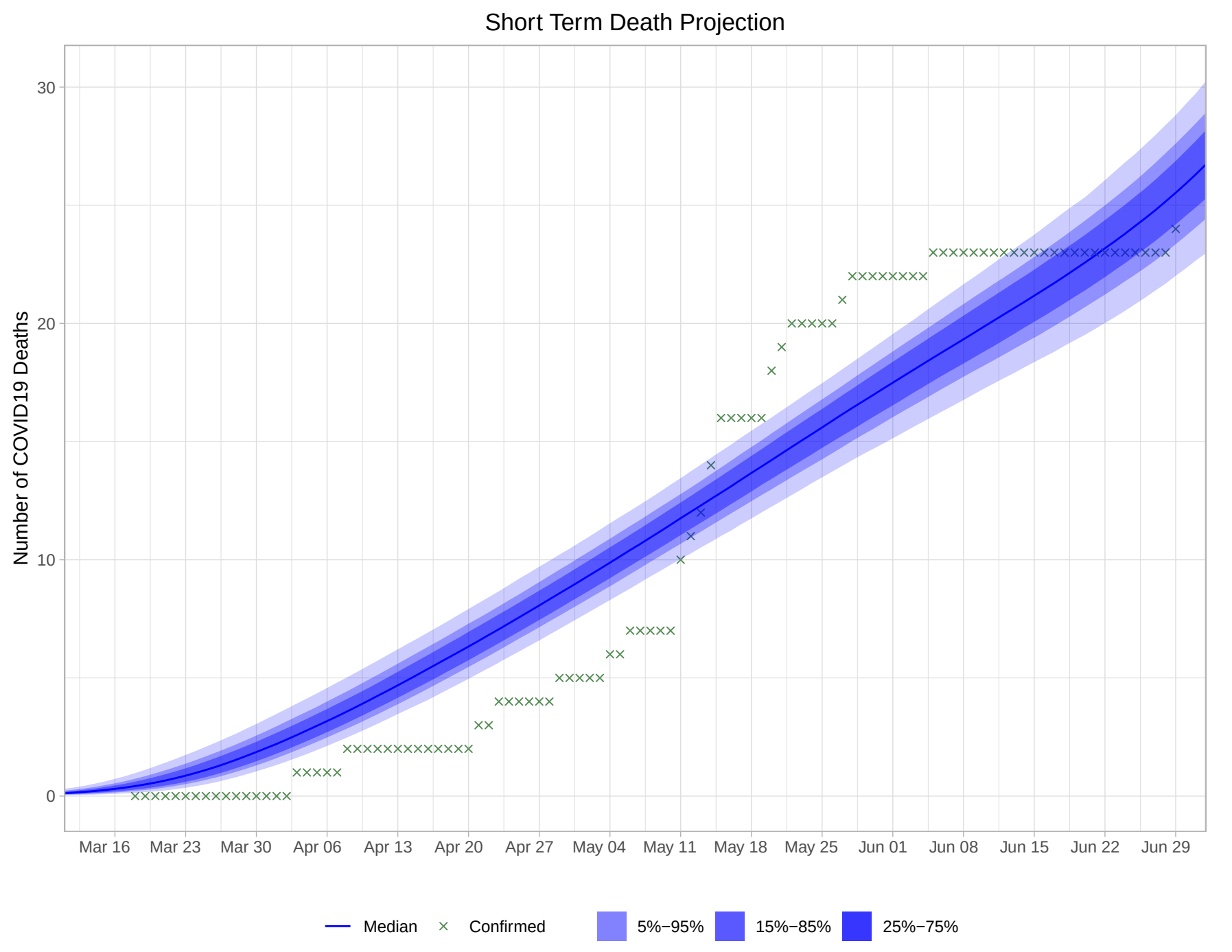
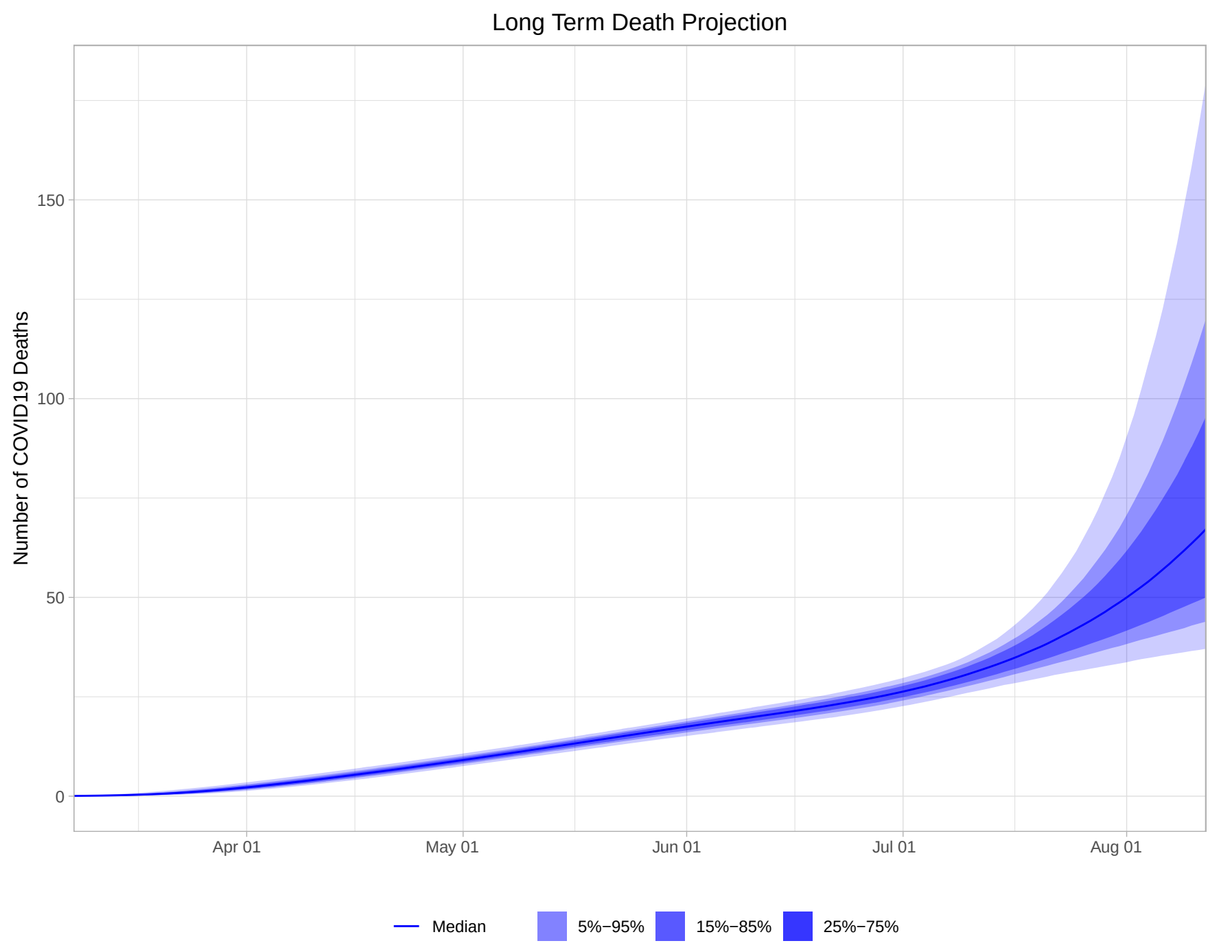

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
50
40
30
20
10
Mar 30
Apr 06
Apr 13
Apr 20
Apr 27
May 04
May 11
May 18
May 25
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%

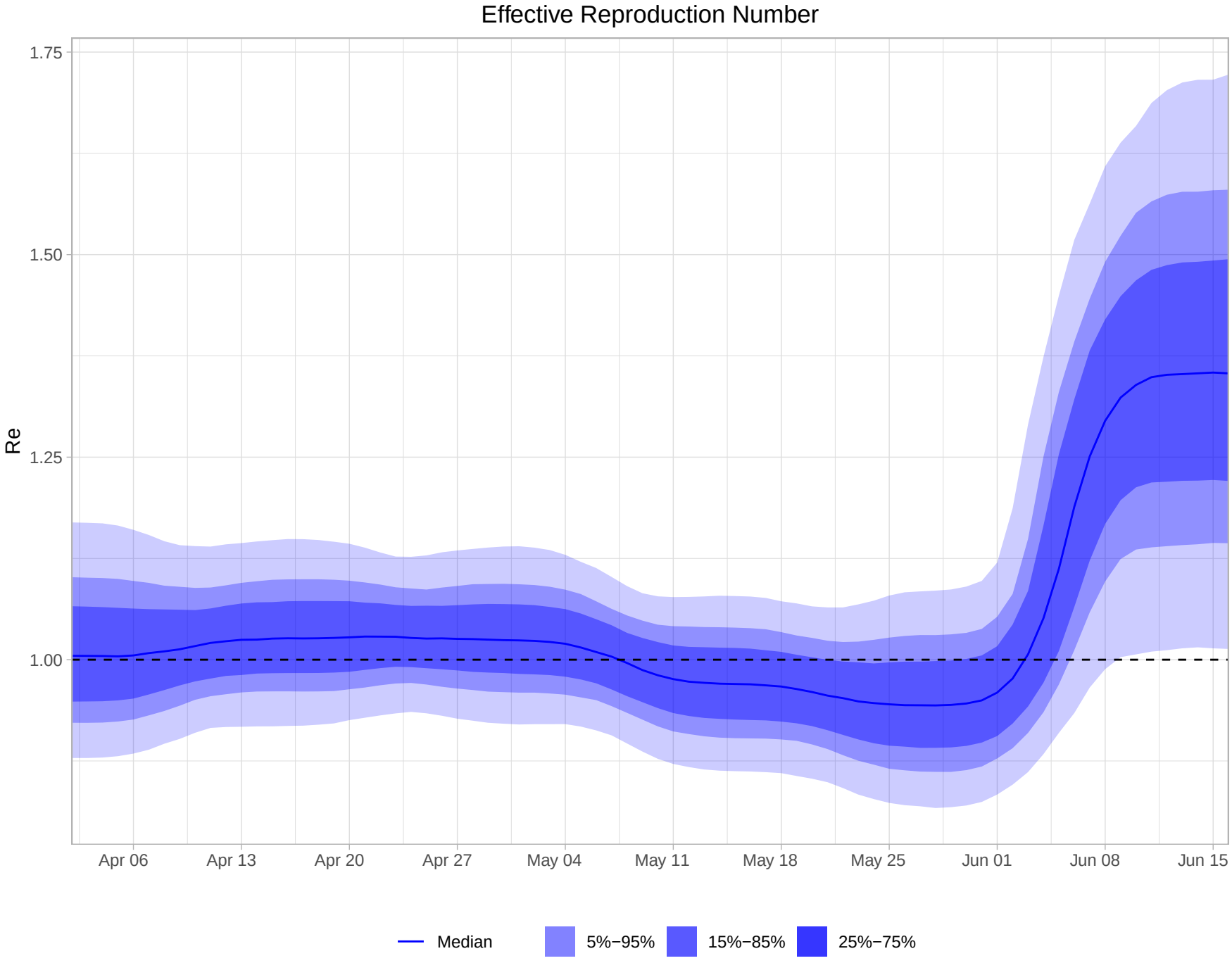

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
1000
750
500
250
0
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Median
5%−95%
15%−85%
25%−75%


Short Term ICU Projection
Number of COVID19 Patients in ICU
20
15
10
5
Mar 30
Apr 06
Apr 13
Apr 20
Apr 27
May 04
May 11
May 18
May 25
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%


Long Term ICU Projection
Number of COVID19 Patients in ICU
300
200
100
0
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Median
5%−95%
15%−85%
25%−75%

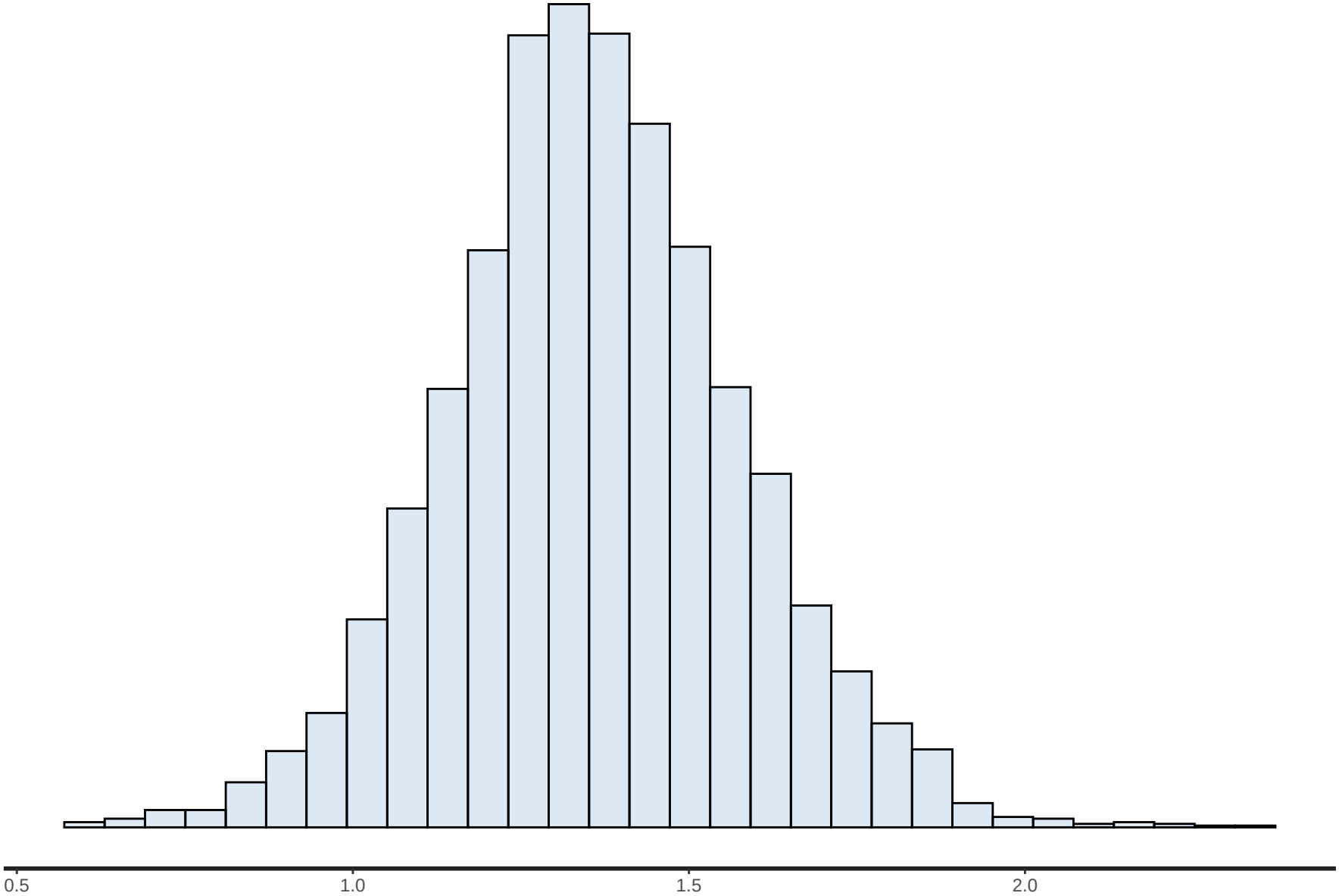

Short Term Death Projection
Number of COVID19 Deaths
30
20
10
0
Mar 16
Mar 23
Mar 30
Apr 06
Apr 13
Apr 20
Apr 27
May 04
May 11
May 18
May 25
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Median
Confirmed
5%−95%
15%−85%
25%−75%

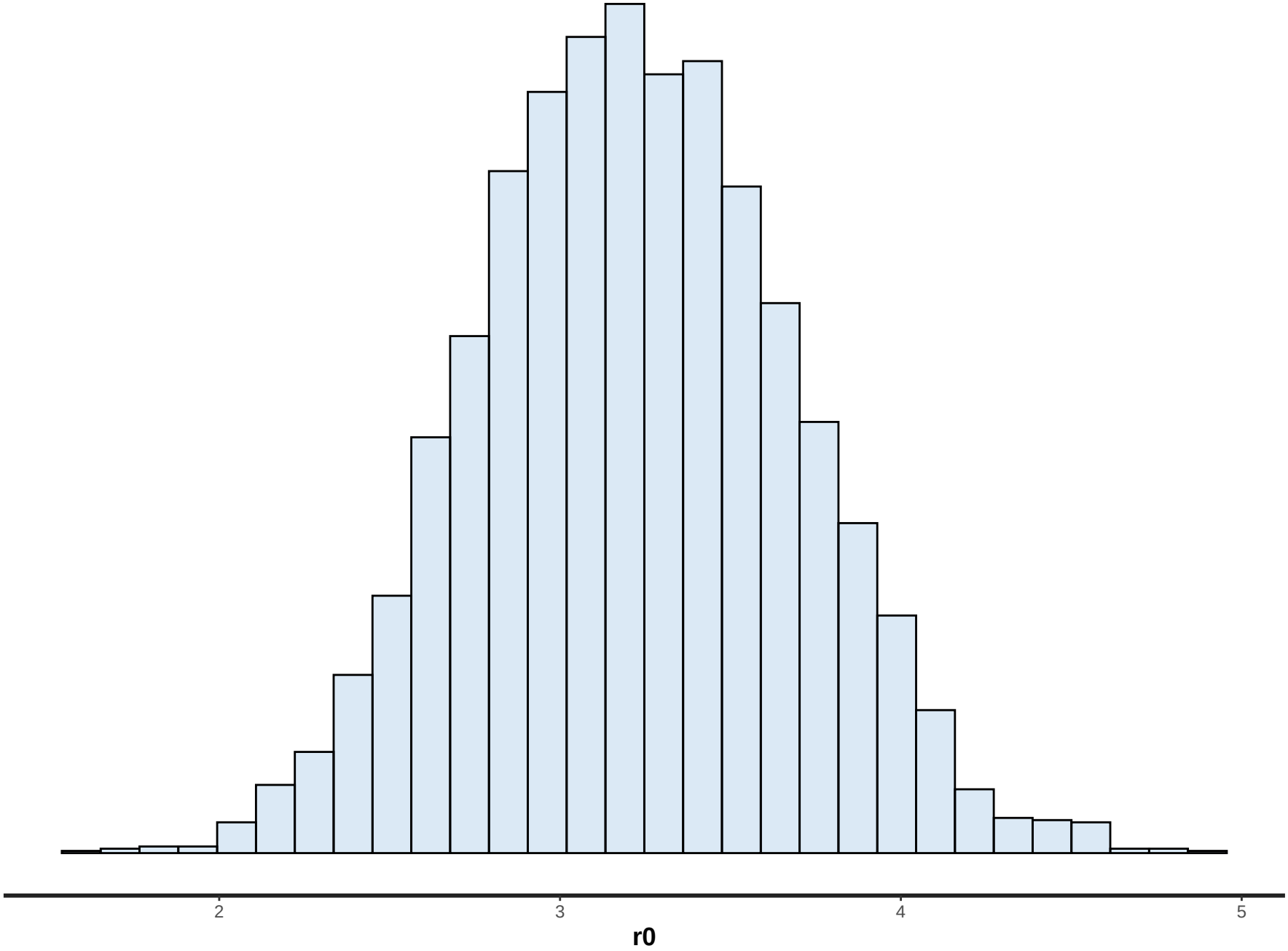

Long Term Death Projection
Number of COVID19 Deaths
150
100
50
0
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Median
5%−95%
15%−85%
25%−75%

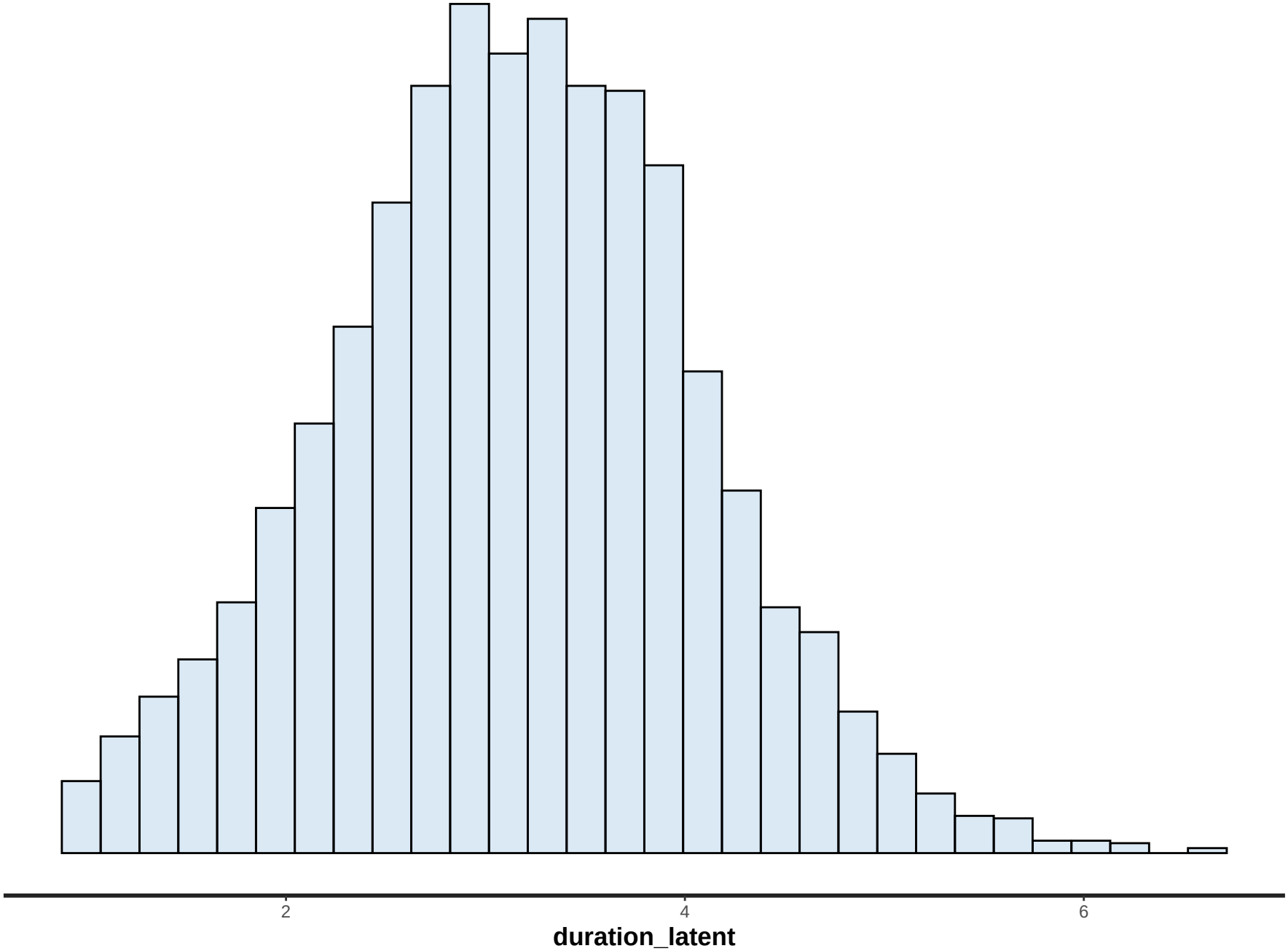

Effective Reproduction Number
Re
1.75
1.50
1.25
1.00
Apr 06
Apr 13
Apr 20
Apr 27
May 04
May 11
May 18
May 25
Jun 01
Jun 08
Jun 15
Median
5%−95%
15%−85%
25%−75%

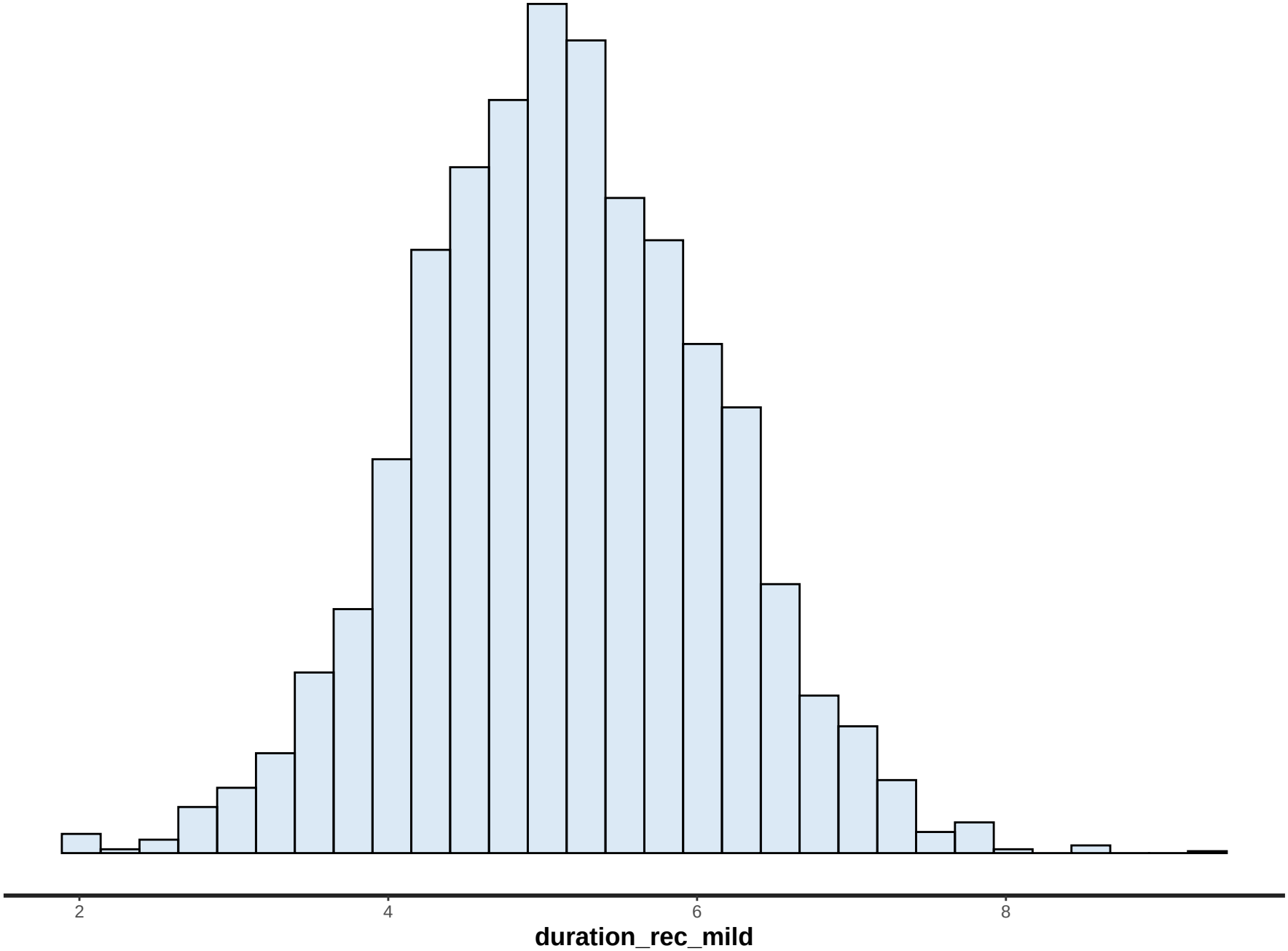
# Rt as of 2020−06−16

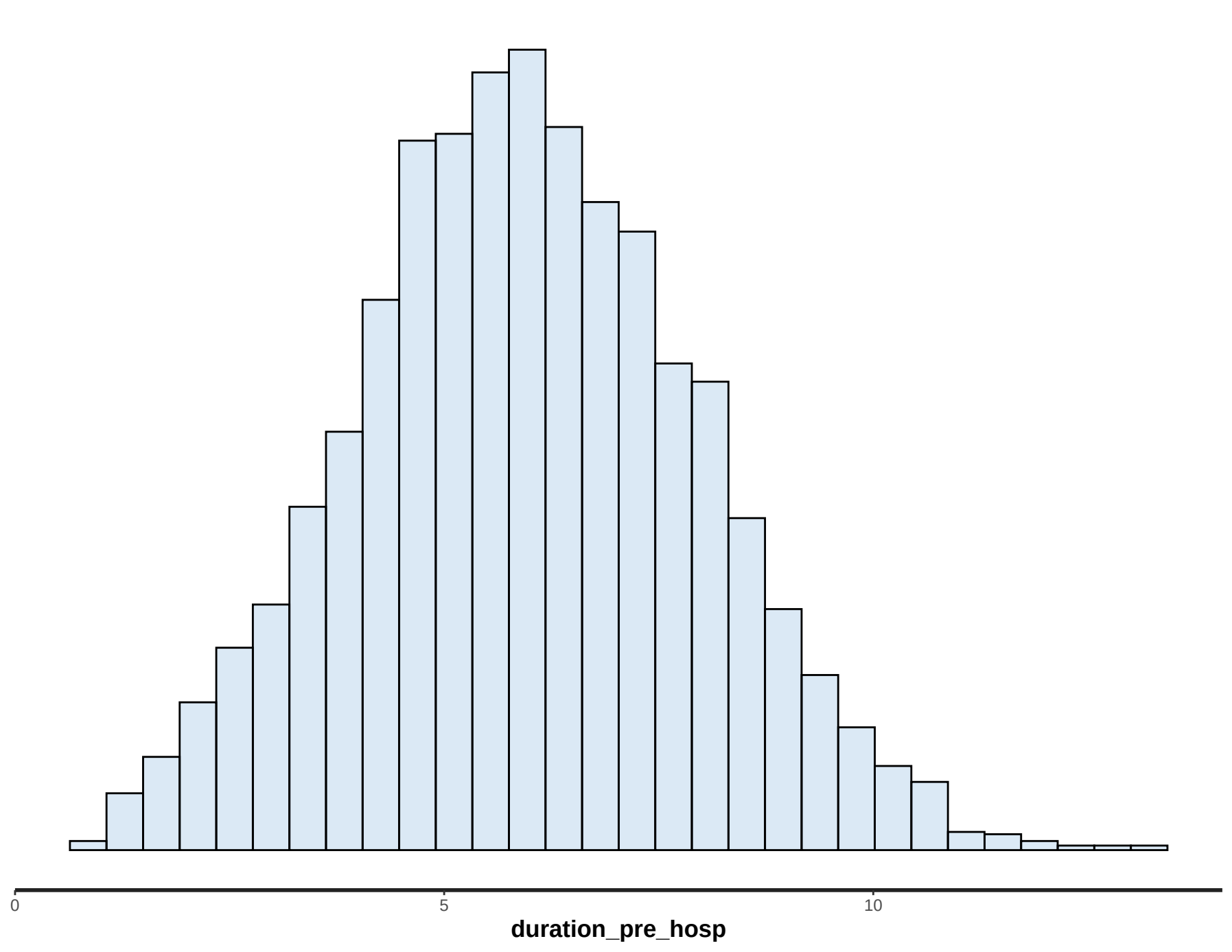
| 5% | 10% | 25% | 50% | 75% | 90% | 95% |
|---|---|---|---|---|---|---|
| 1.01 | 1.09 | 1.22 | 1.35 | 1.49 | 1.64 | 1.72 |

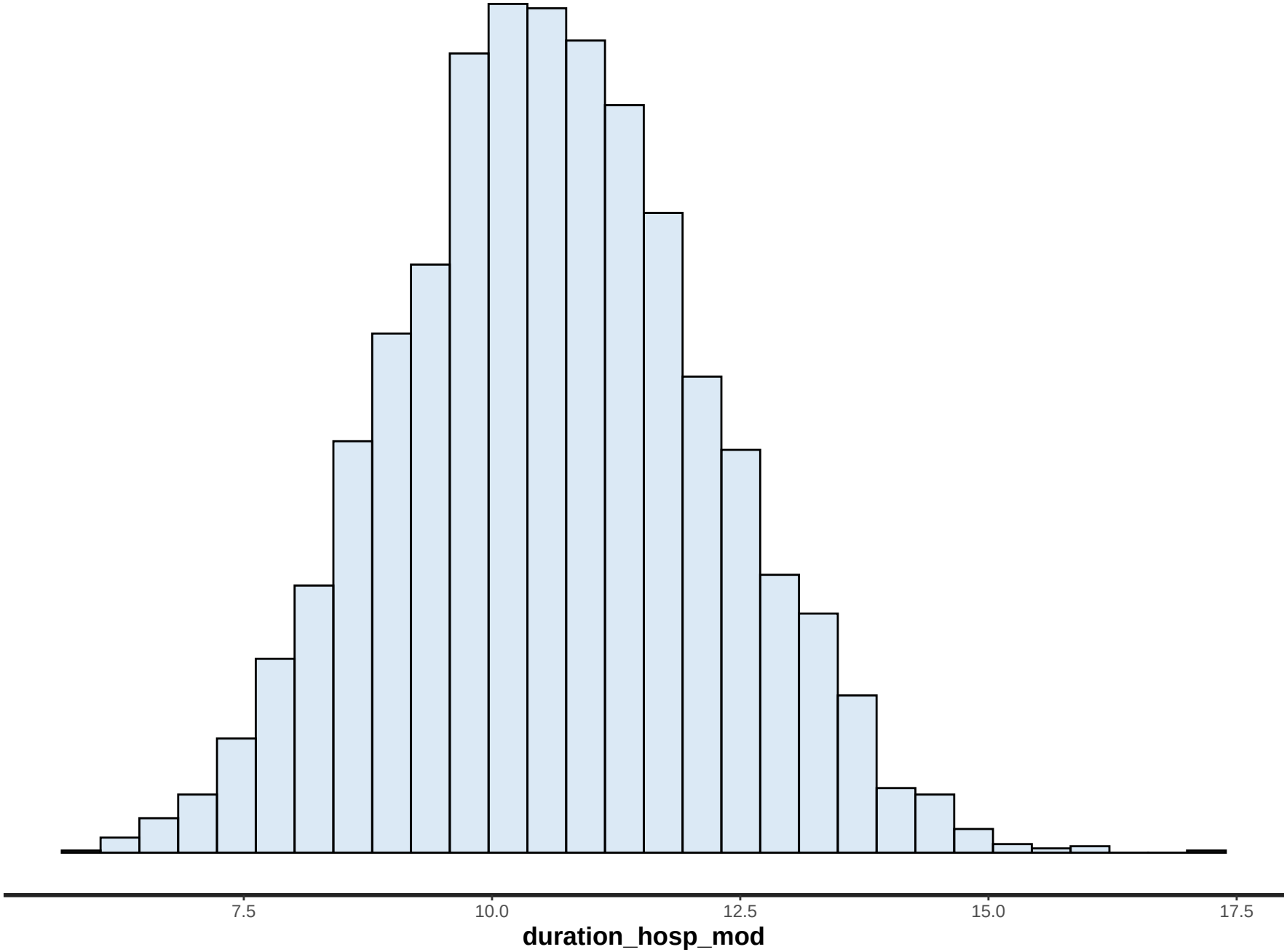


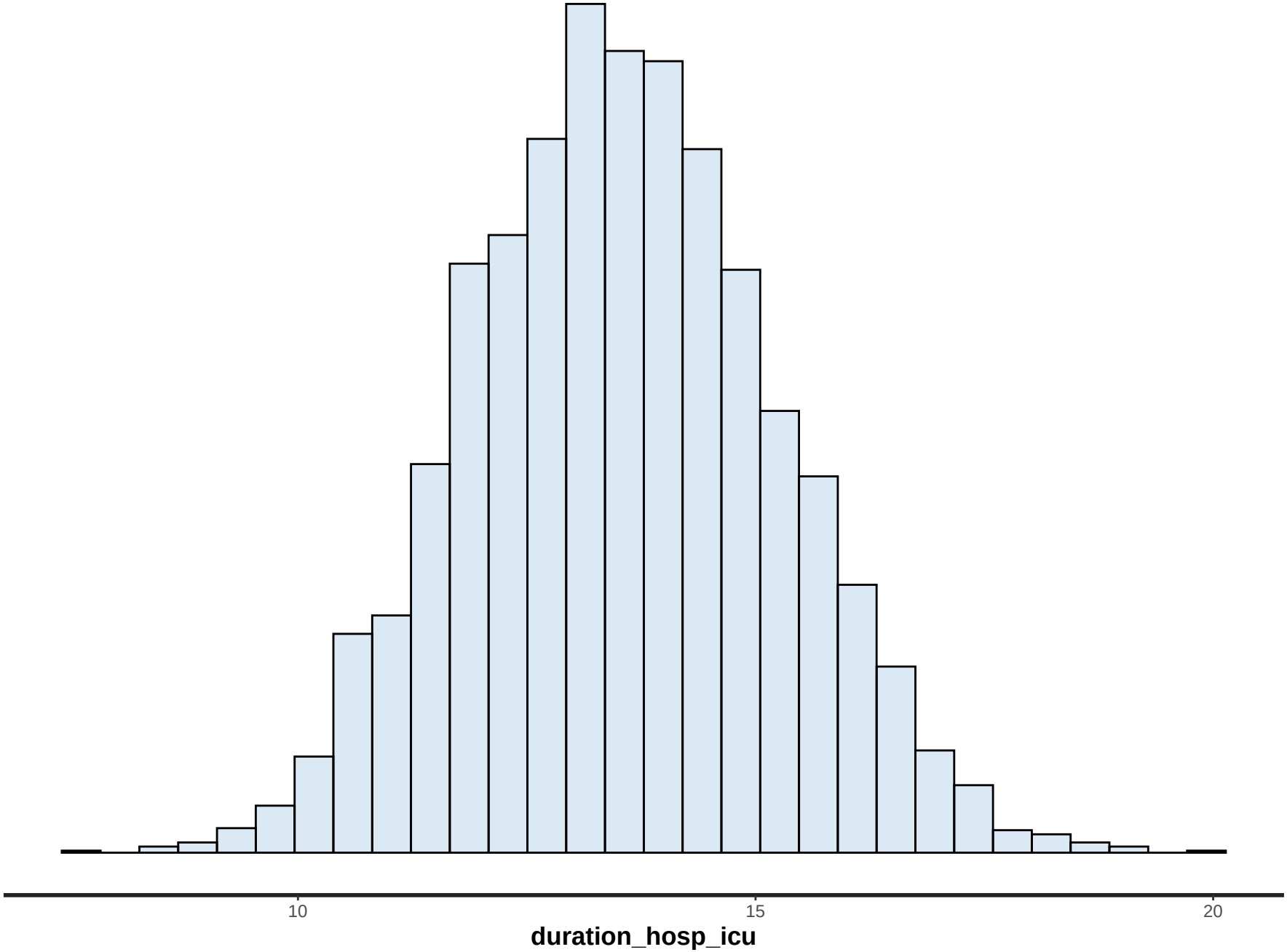

2
3
4
5
r0

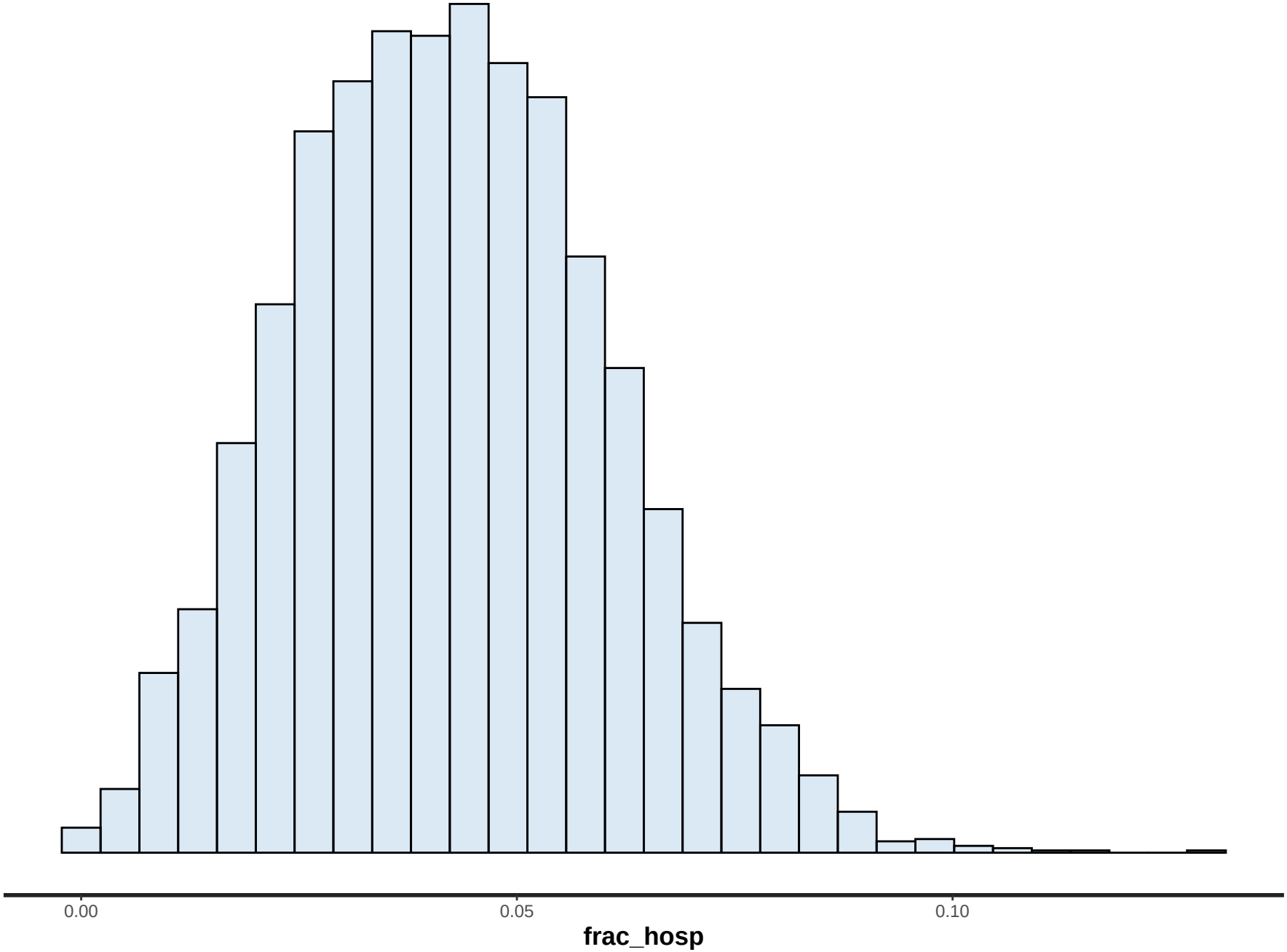

2
4
6
duration_latent

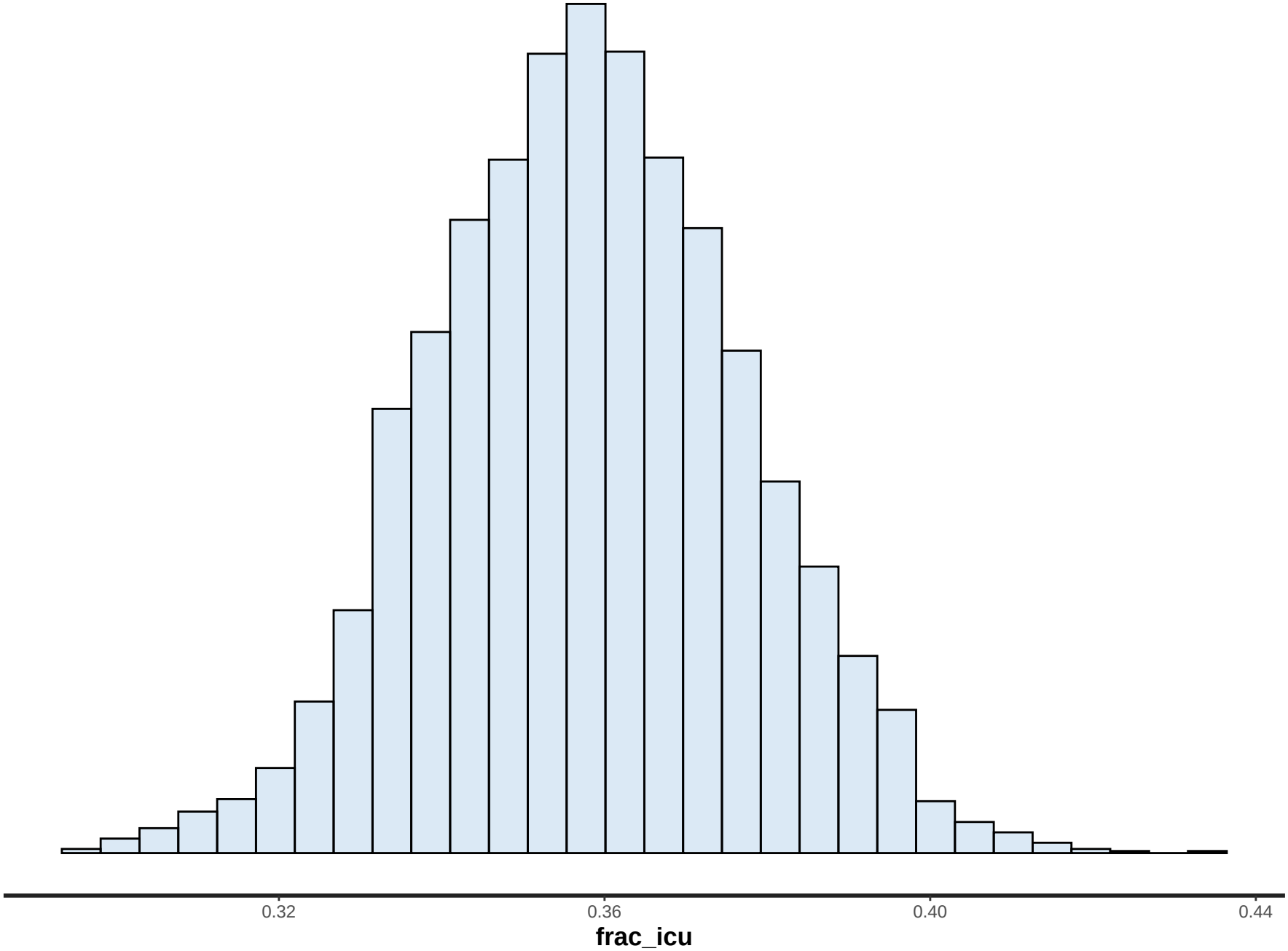

2
4
6
8
duration_rec_mild

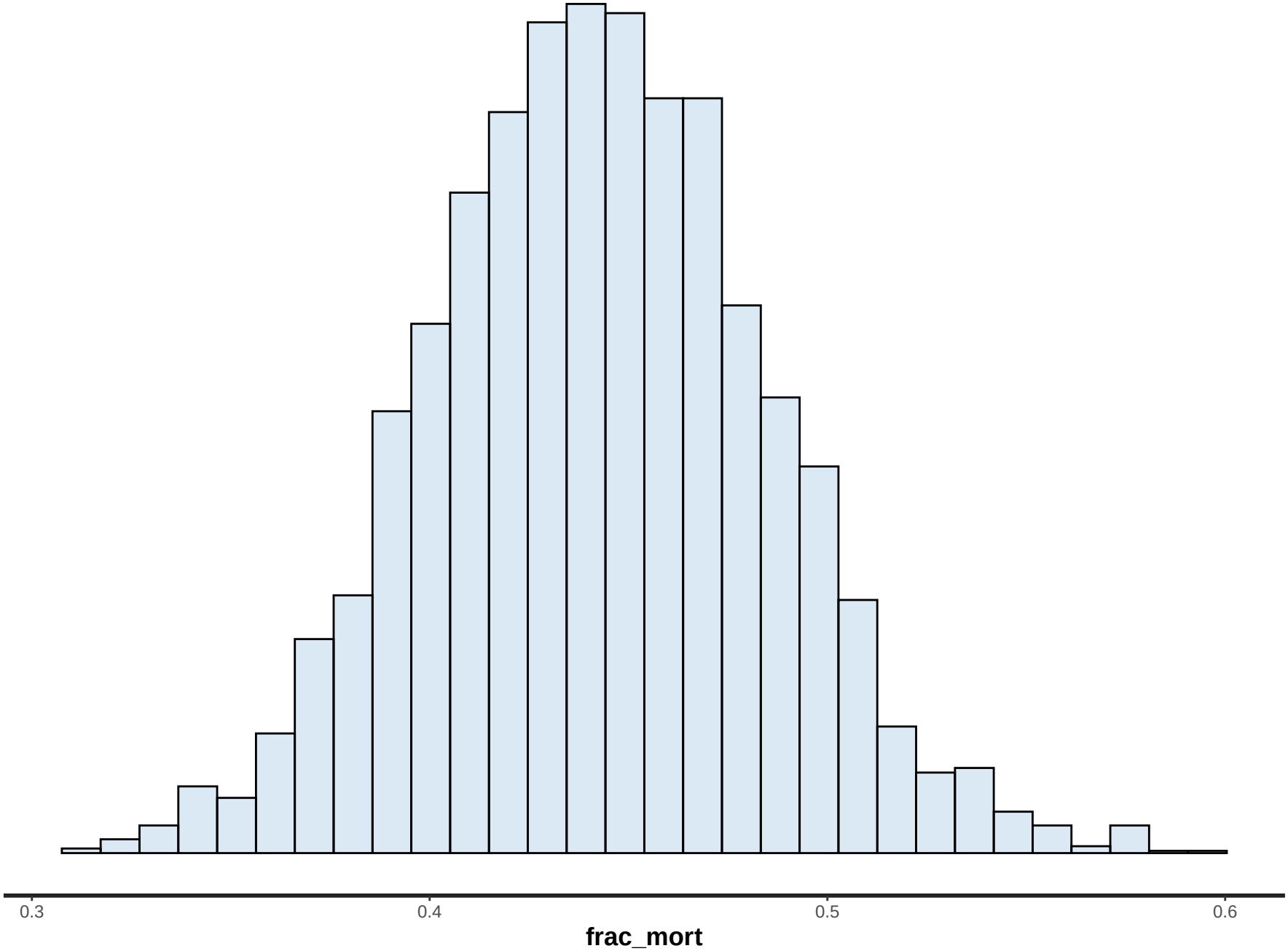

0
5
10
duration_pre_hosp

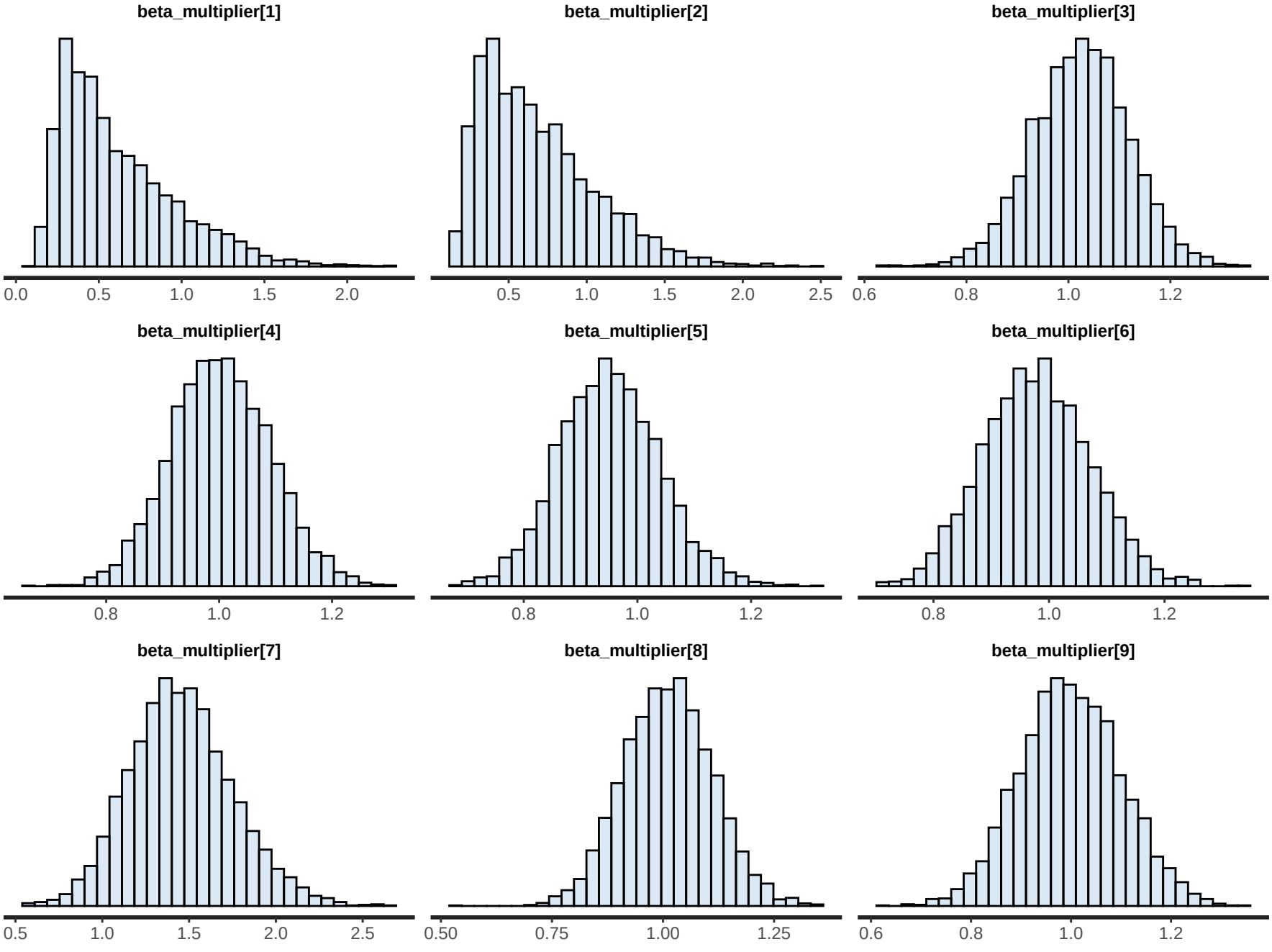

7.5
10.0
12.5
15.0
17.5
duration_hosp_mod

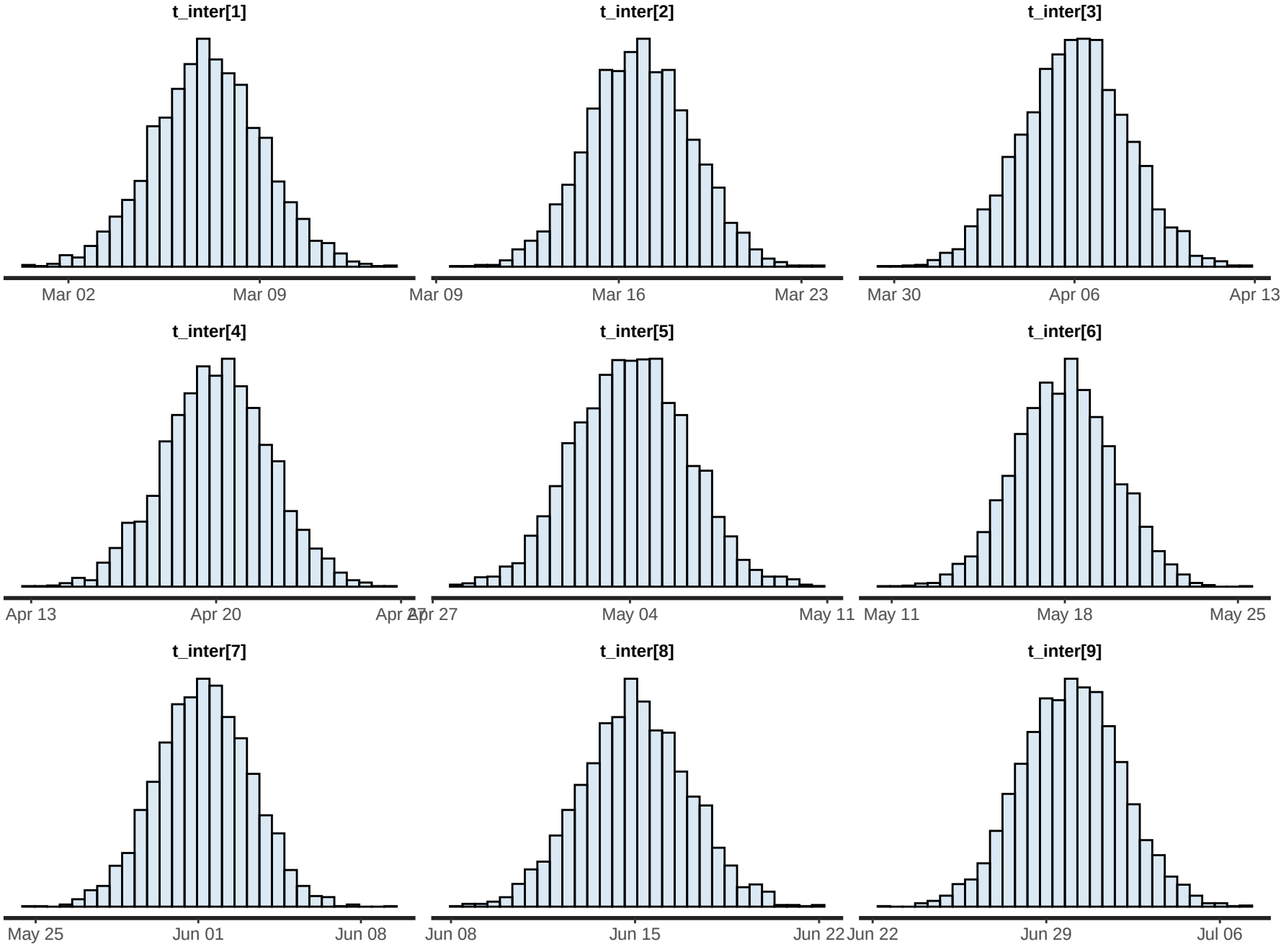

10
15
20
duration_hosp_icu

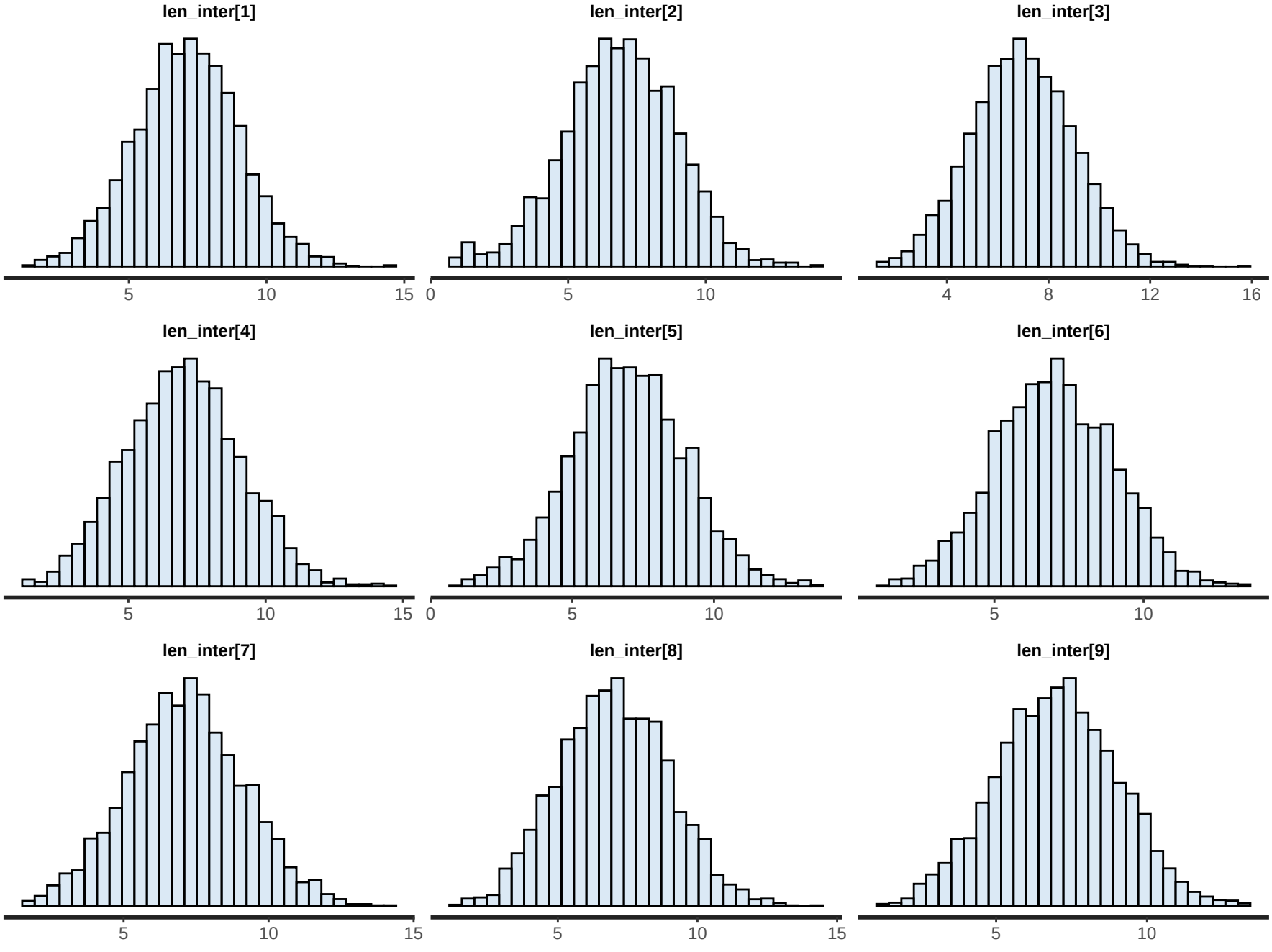

0.00
0.05
0.10
frac_hosp

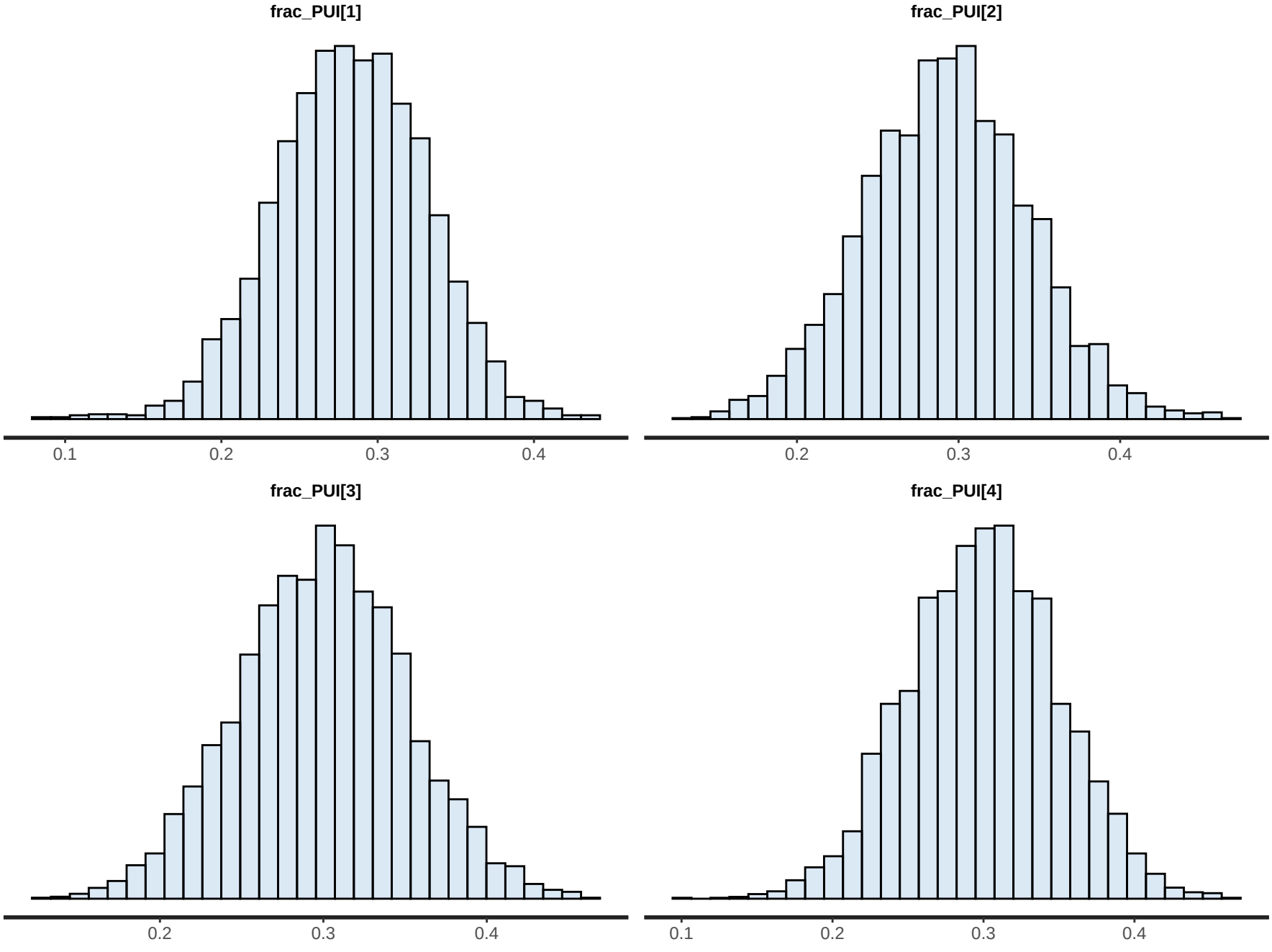

0.32
0.36
0.40
0.44
frac_icu

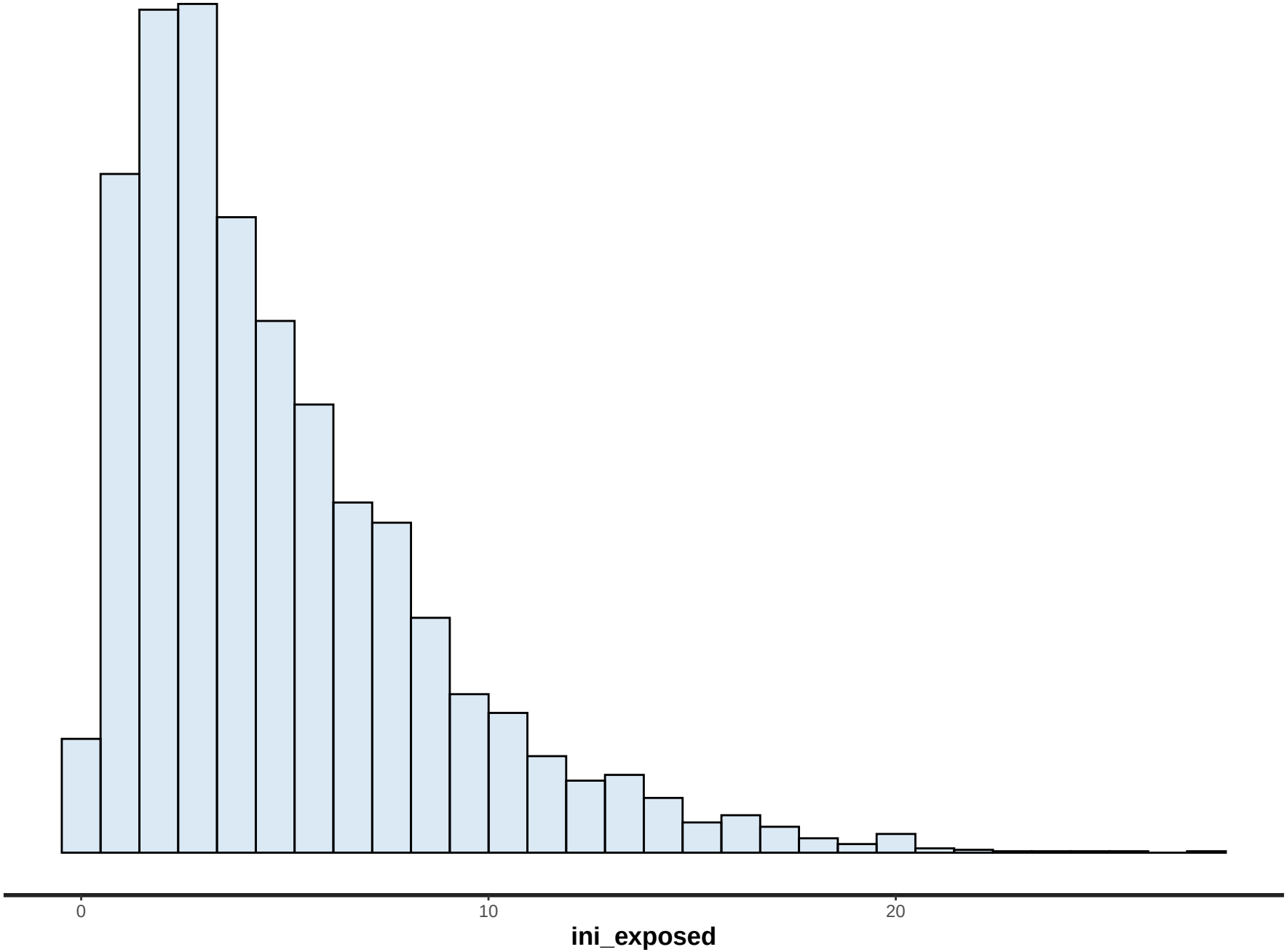

0.3
0.4
0.5
0.6
frac_mort


beta_multiplier[1]
0.0
0.5
1.0
1.5
2.0
beta_multiplier[2]
0.5
1.0
1.5
2.0
2.5
beta_multiplier[3]
0.6
0.8
1.0
1.2
beta_multiplier[4]
0.8
1.0
1.2
beta_multiplier[5]
0.8
1.0
1.2
beta_multiplier[6]
0.8
1.0
1.2
beta_multiplier[7]
0.5
1.0
1.5
2.0
2.5
beta_multiplier[8]
0.50
0.75
1.00
1.25
beta_multiplier[9]
0.6
0.8
1.0
1.2


t_inter[1]
Mar 02
Mar 09
t_inter[2]
Mar 09
Mar 16
Mar 23
t_inter[3]
Mar 30
Apr 06
Apr 13
t_inter[4]
Apr 13
Apr 20
Apr 27
t_inter[5]
Apr 27
May 04
May 11
t_inter[6]
May 11
May 18
May 25
t_inter[7]
May 25
Jun 01
Jun 08
t_inter[8]
Jun 08
Jun 15
Jun 22
t_inter[9]
Jun 22
Jun 29
Jul 06


len_inter[1]
5
10
15
len_inter[2]
0
5
10
len_inter[3]
4
8
12
16
len_inter[4]
5
10
15
len_inter[5]
0
5
10
len_inter[6]
5
10
len_inter[7]
5
10
15
len_inter[8]
5
10
15
len_inter[9]
5
10


frac_PUI[1]
0.1
0.2
0.3
0.4
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
10
20
ini_exposed