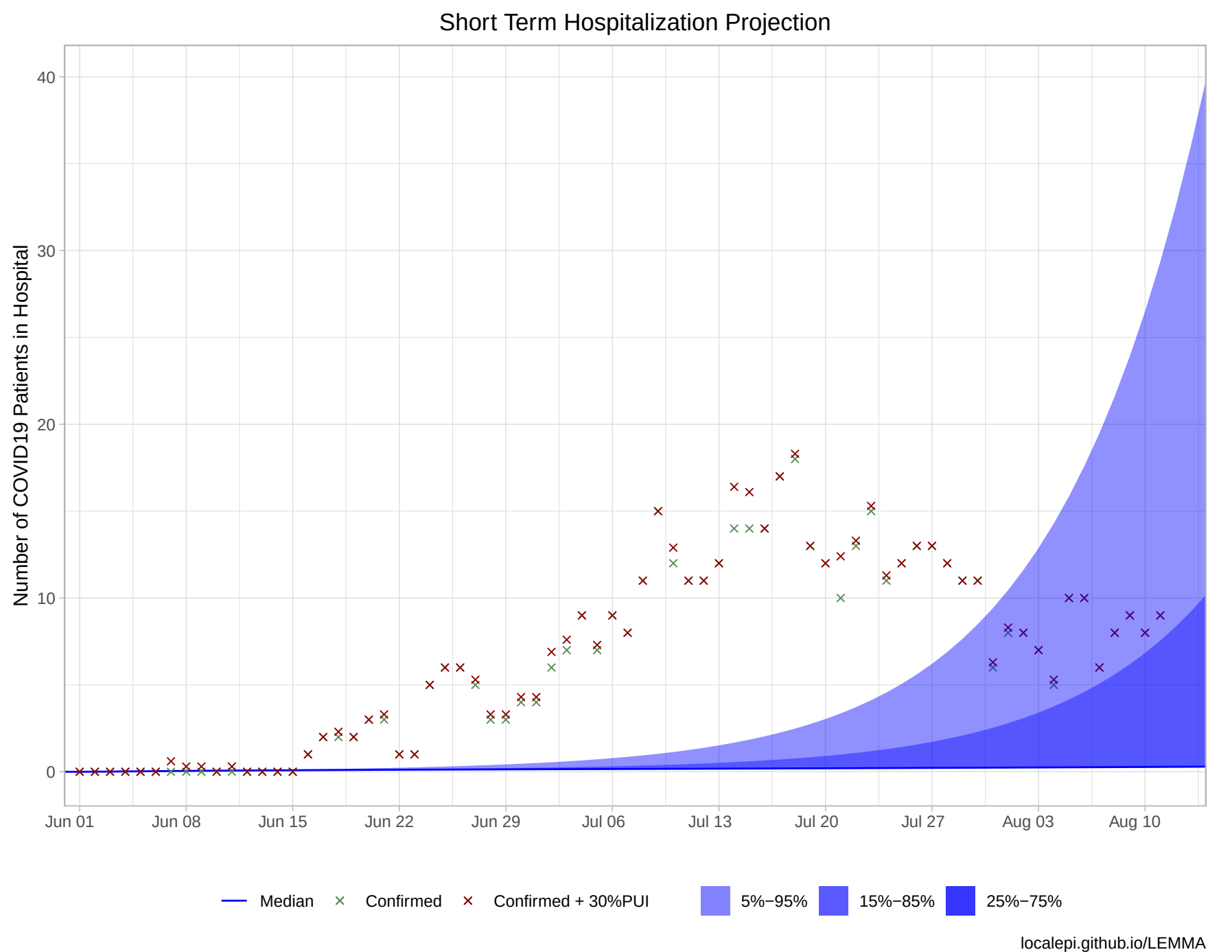
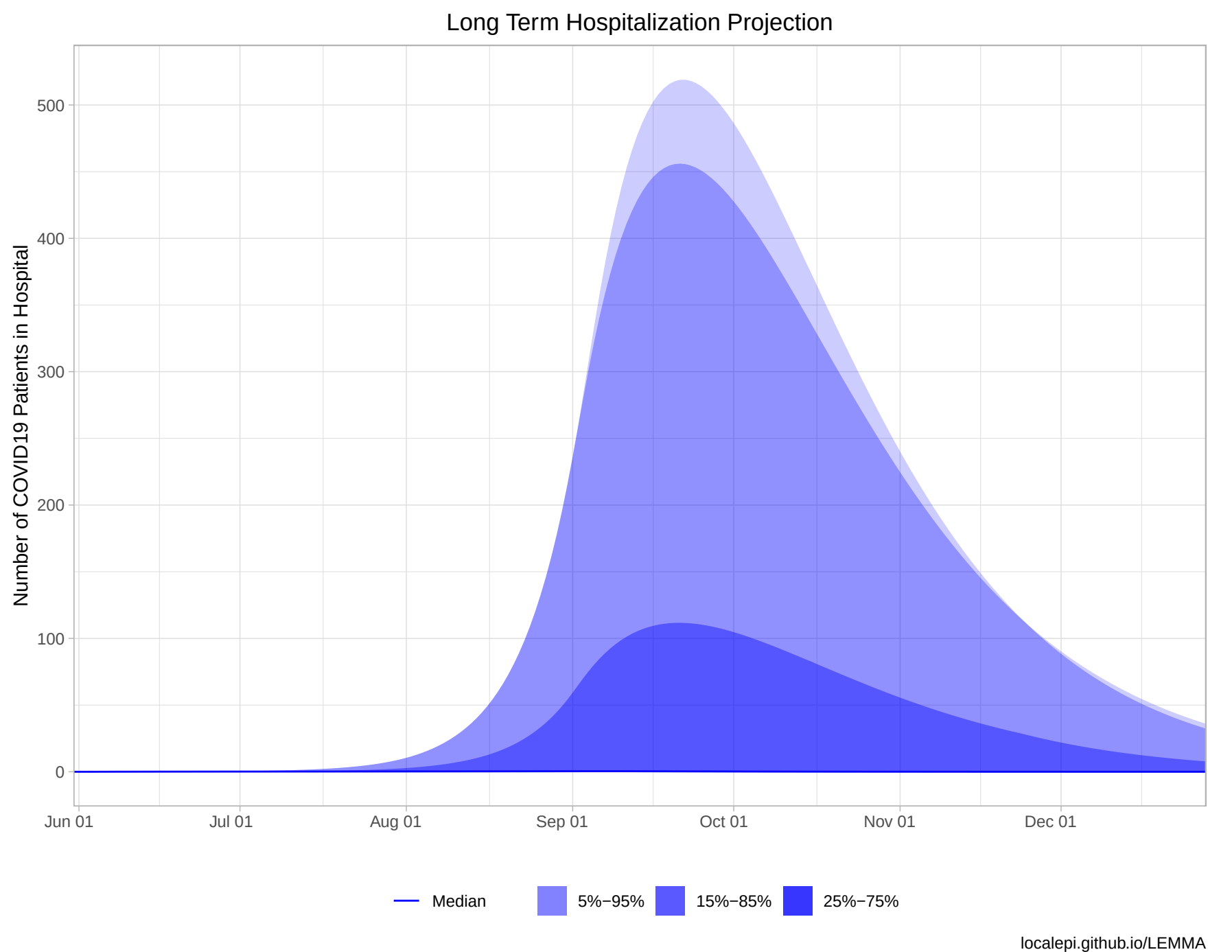
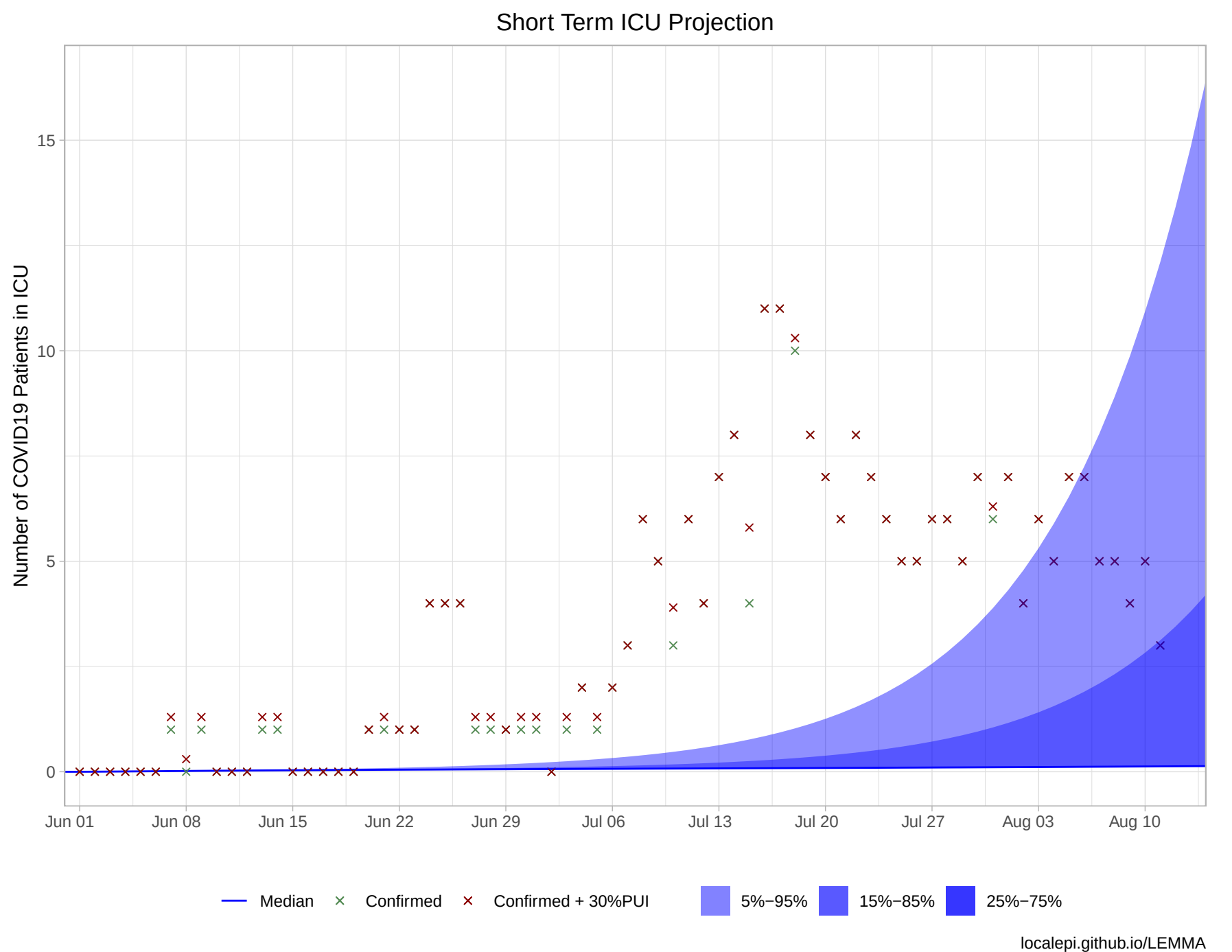
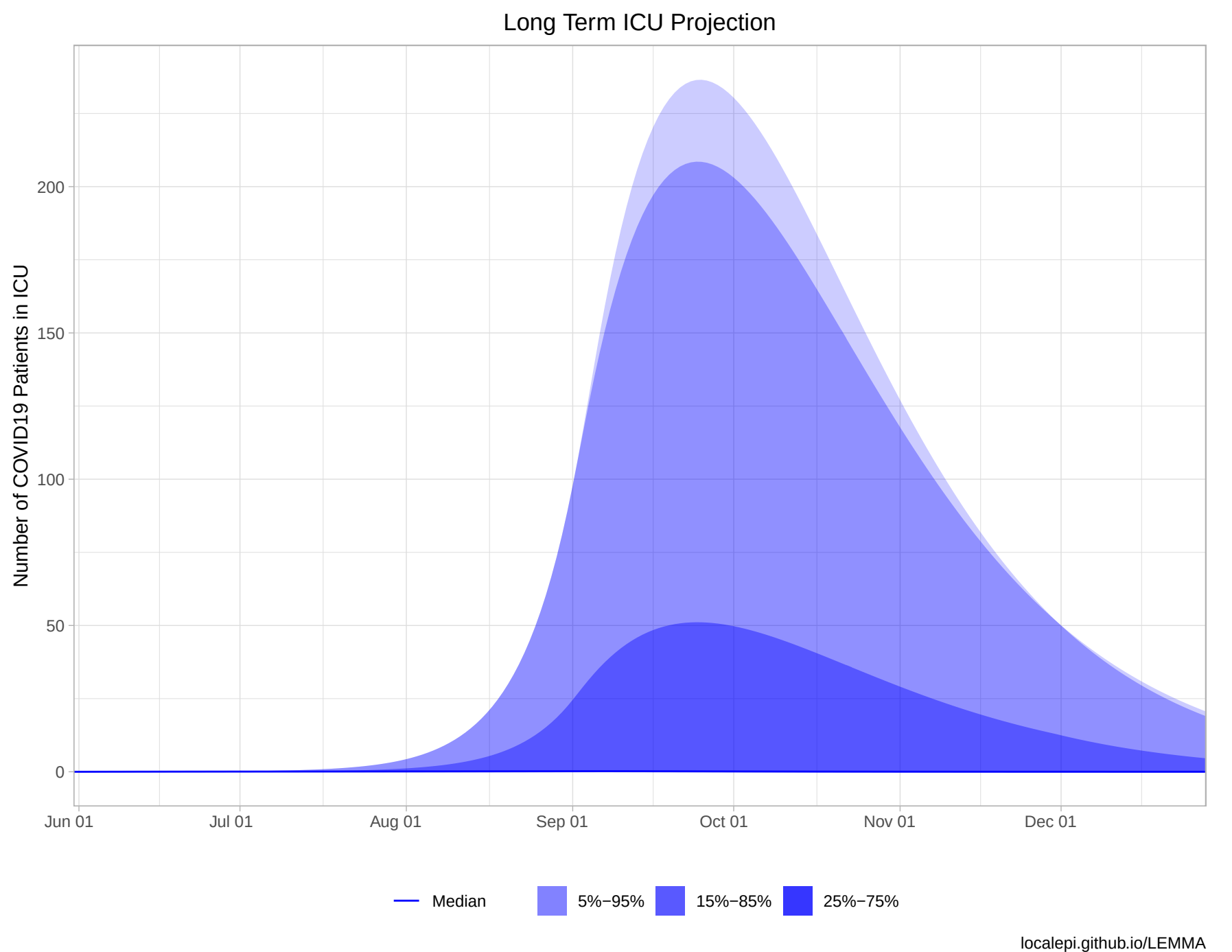
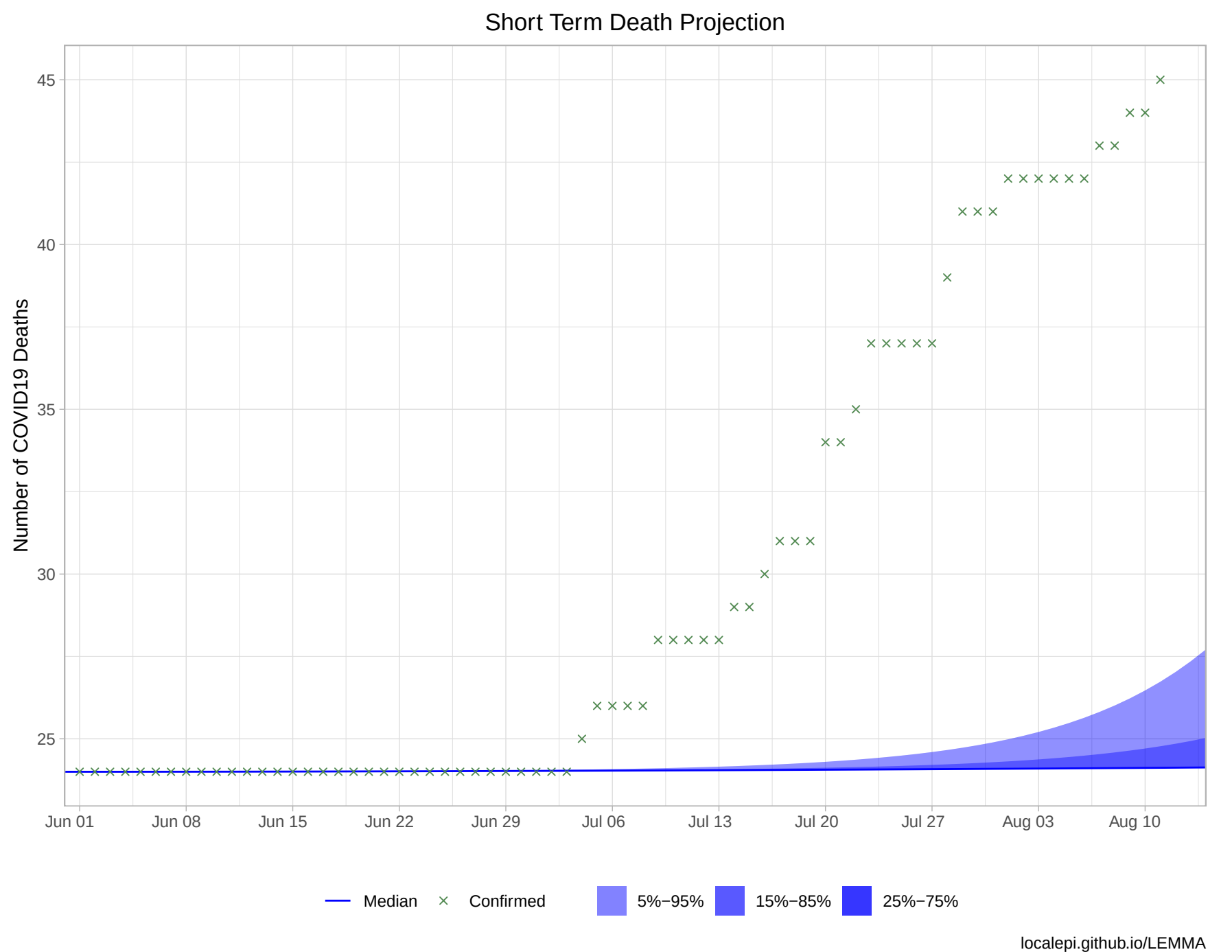
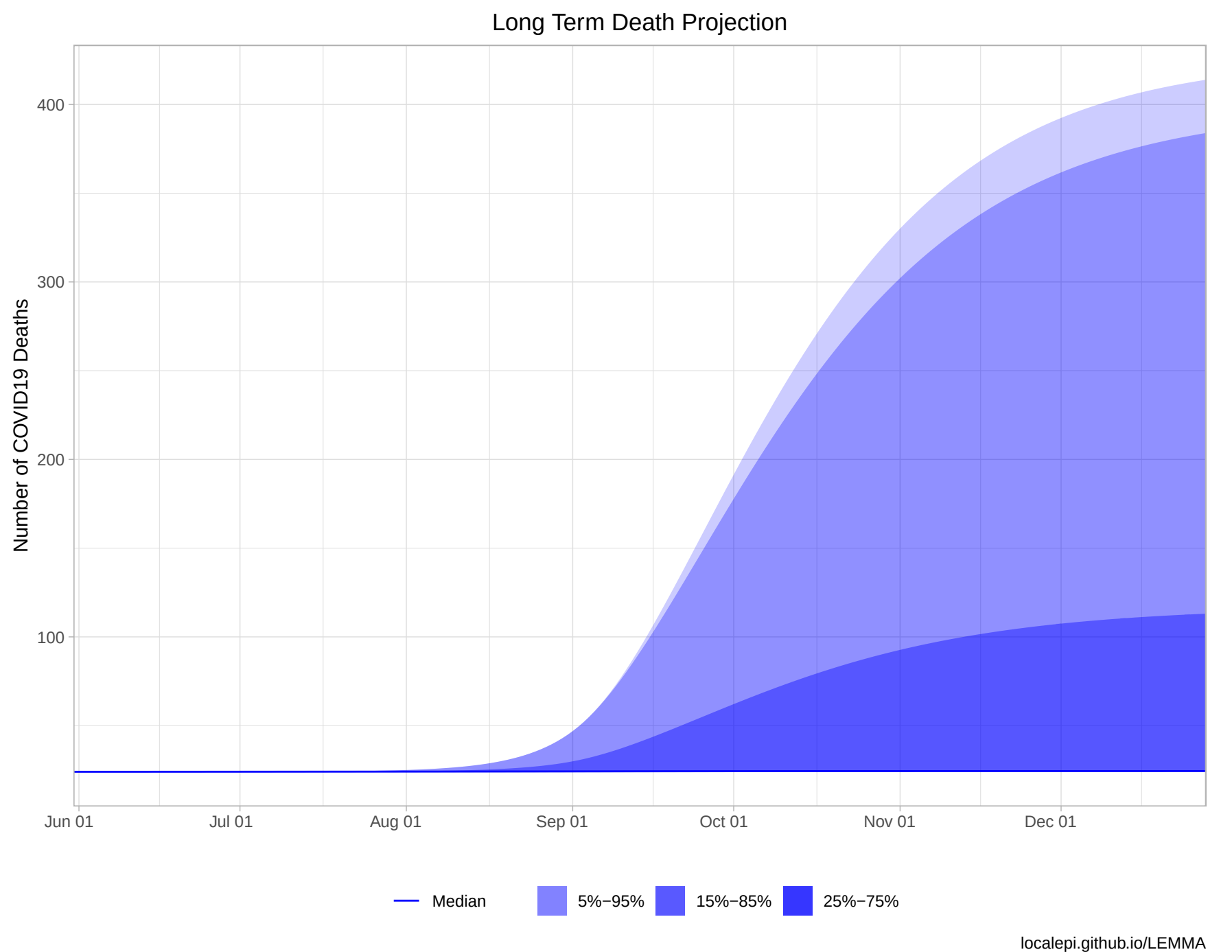

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
40
30
20
10
0
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Aug 03
Aug 10
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

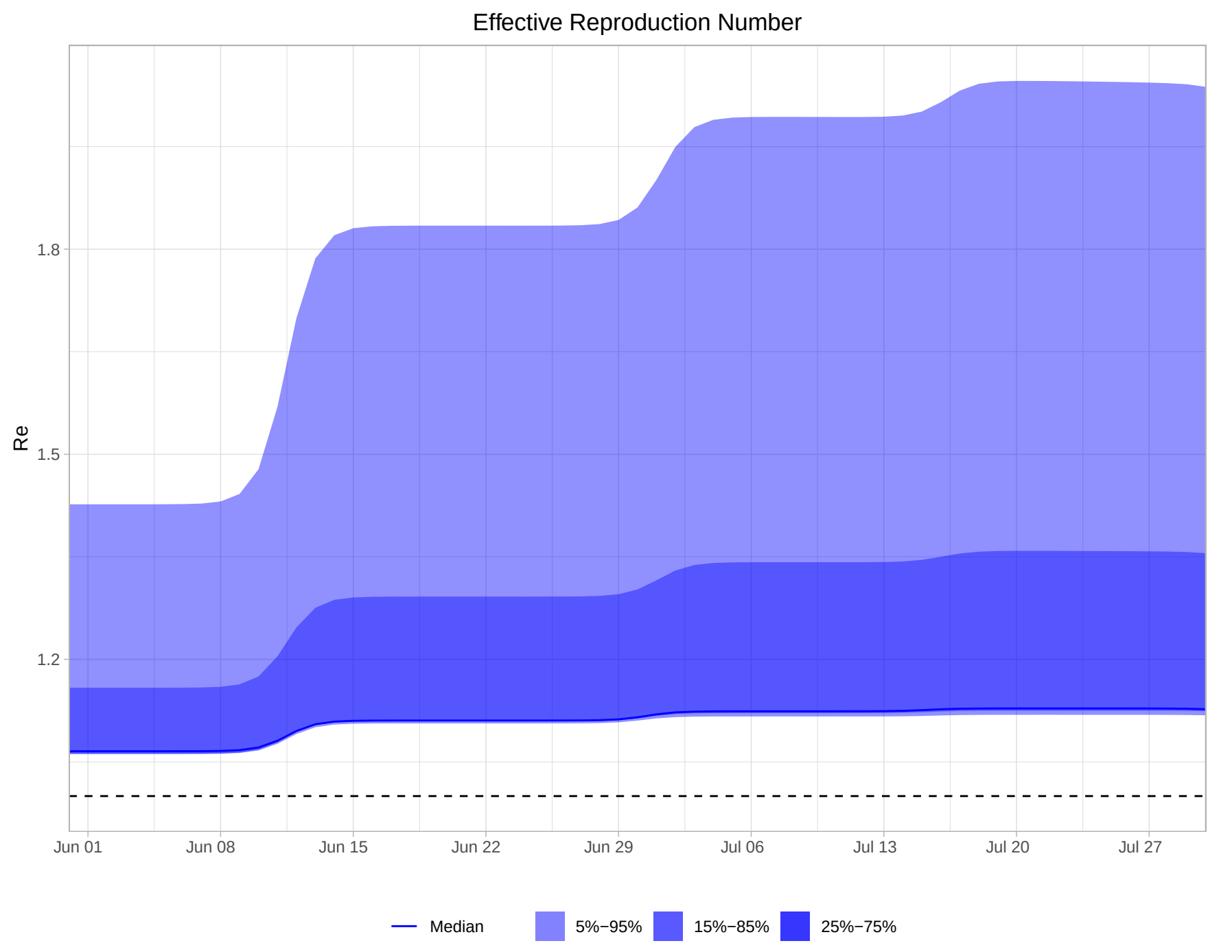

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
500
400
300
200
100
0
Jun 01
Jul 01
Aug 01
Sep 01
Oct 01
Nov 01
Dec 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
0
5
10
15
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Aug 03
Aug 10
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
200
150
100
50
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

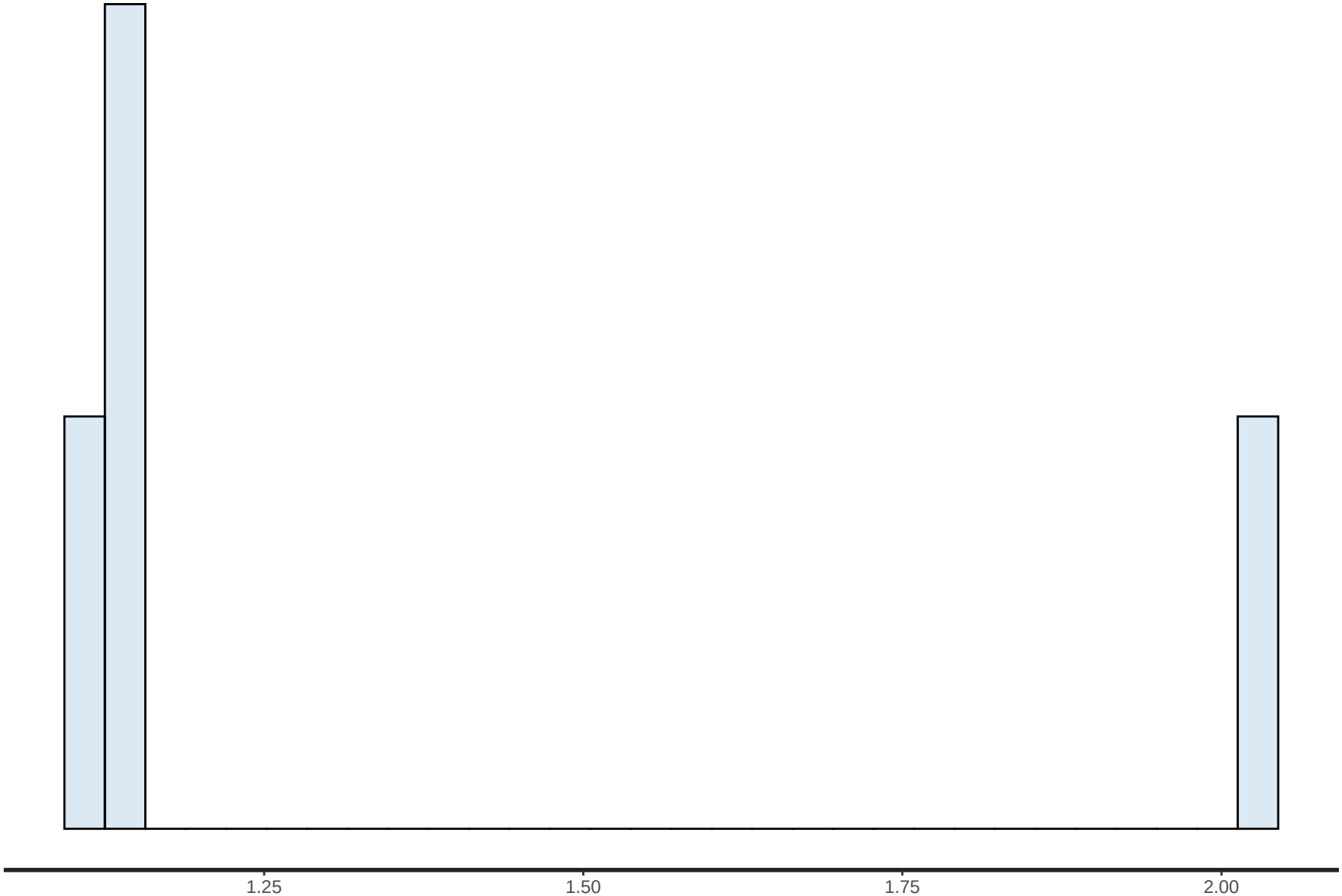

Short Term Death Projection
Number of COVID19 Deaths
45
40
35
30
25
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Aug 03
Aug 10
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

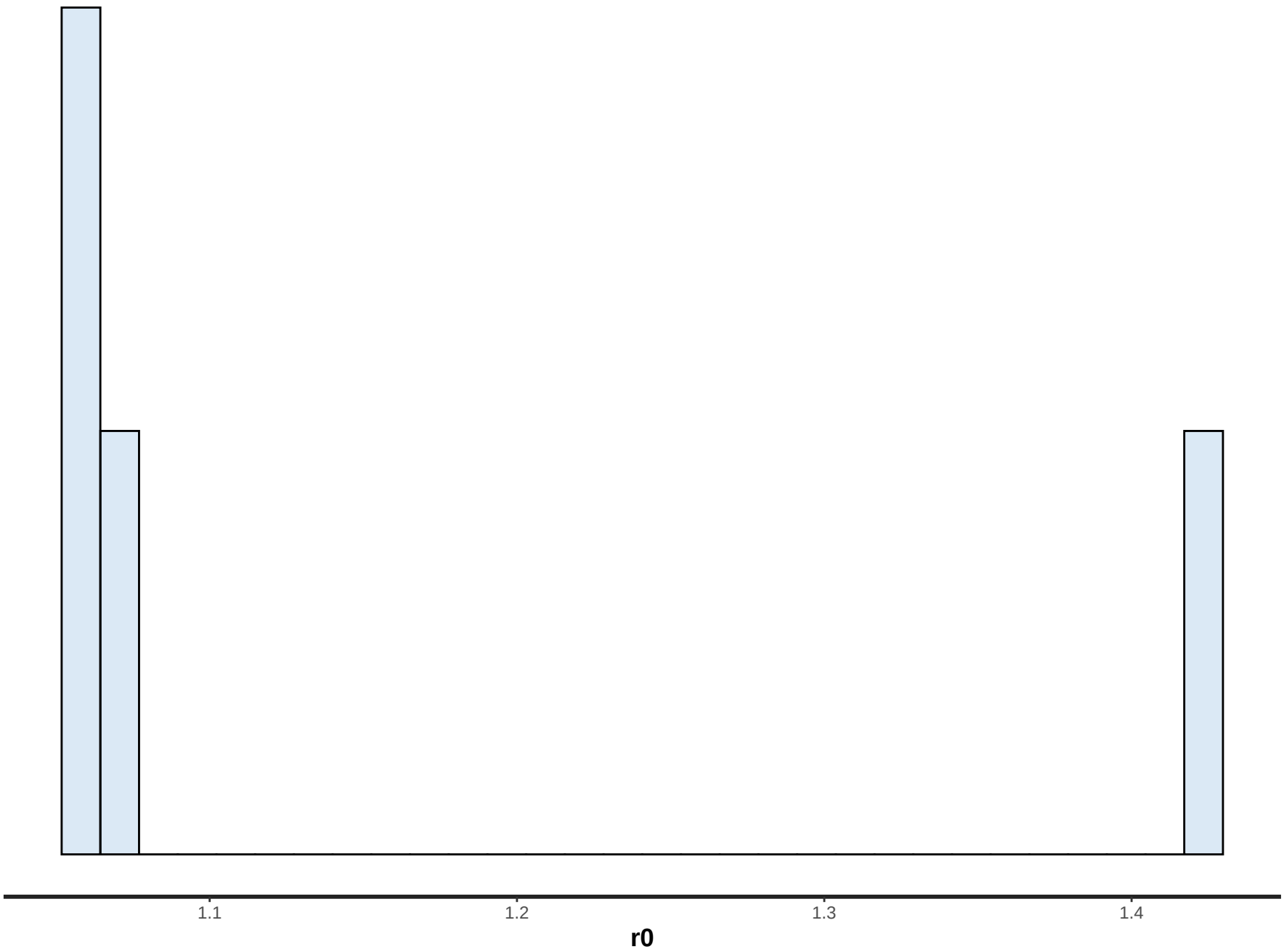

Long Term Death Projection
Number of COVID19 Deaths
400
300
200
100
Jun 01
Jul 01
Aug 01
Sep 01
Oct 01
Nov 01
Dec 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

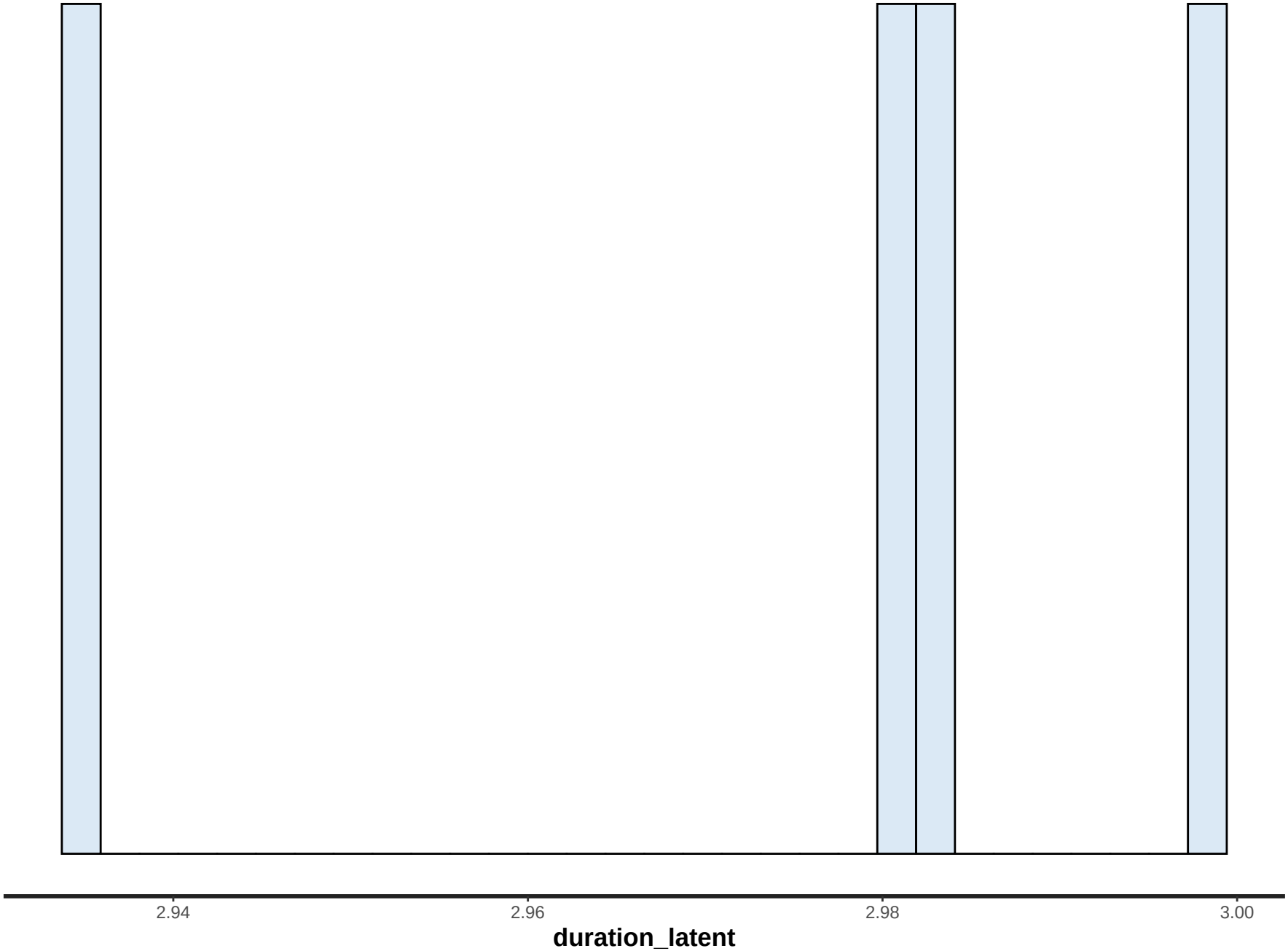

Effective Reproduction Number
Re
1.8
1.5
1.2
Jun 01
Jun 08
Jun 15
Jun 22
Jun 29
Jul 06
Jul 13
Jul 20
Jul 27
Median
5%−95%
15%−85%
25%−75%

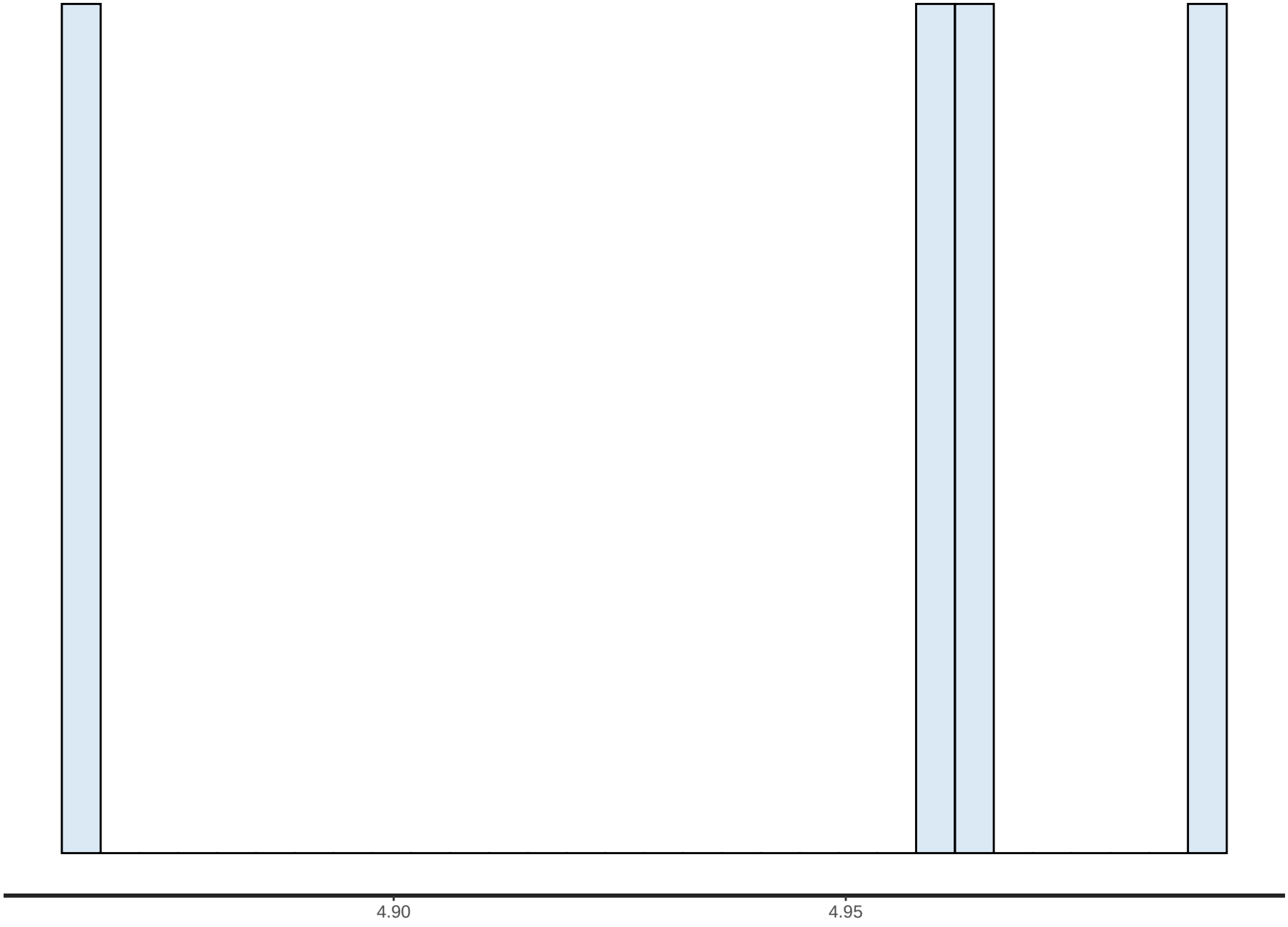
Rt as of 2020−07−30

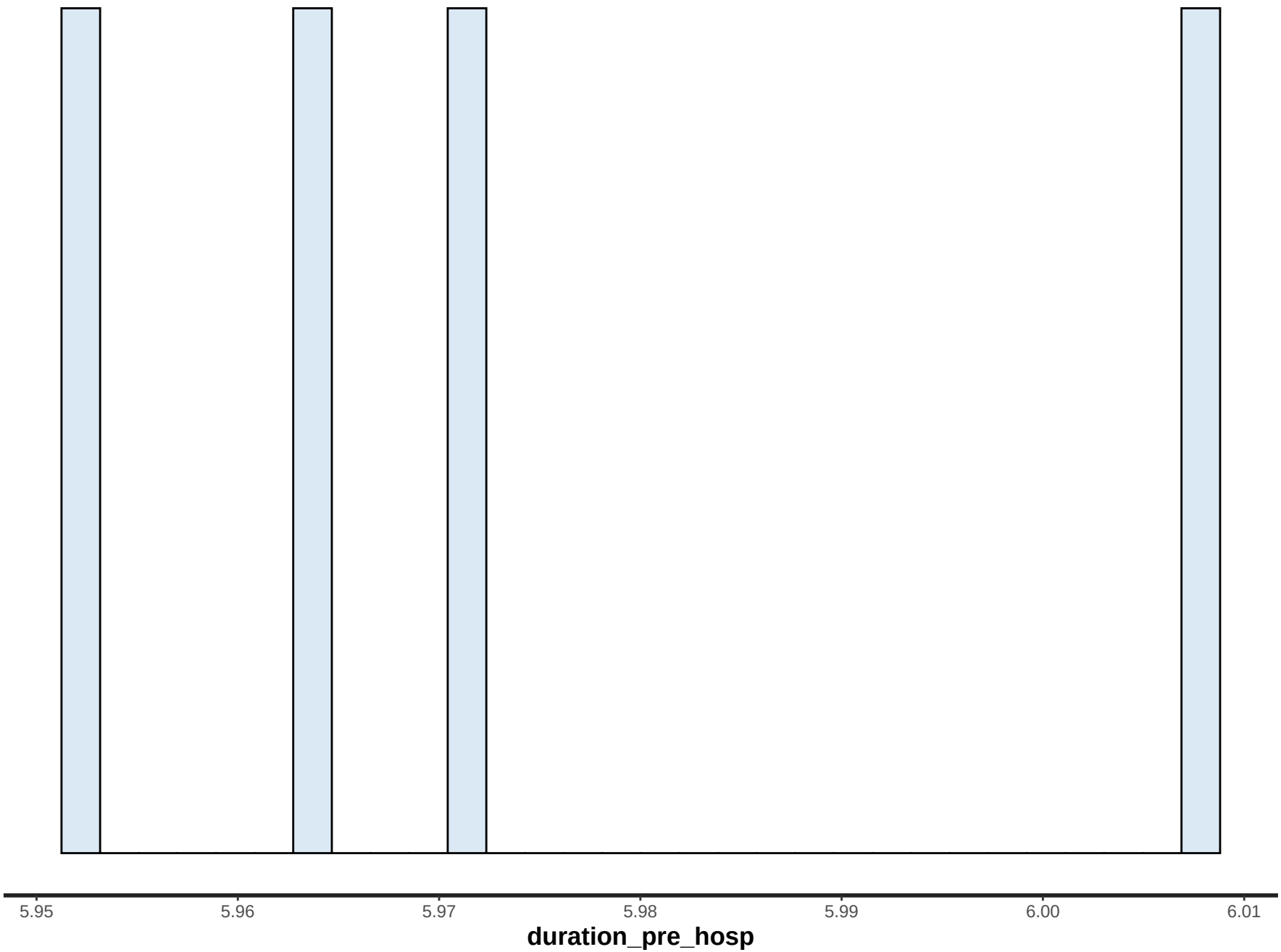
5%	10%	25%	50%	75%	90%	95%
1.12	1.12	1.12	1.13	1.36	2.04	2.04

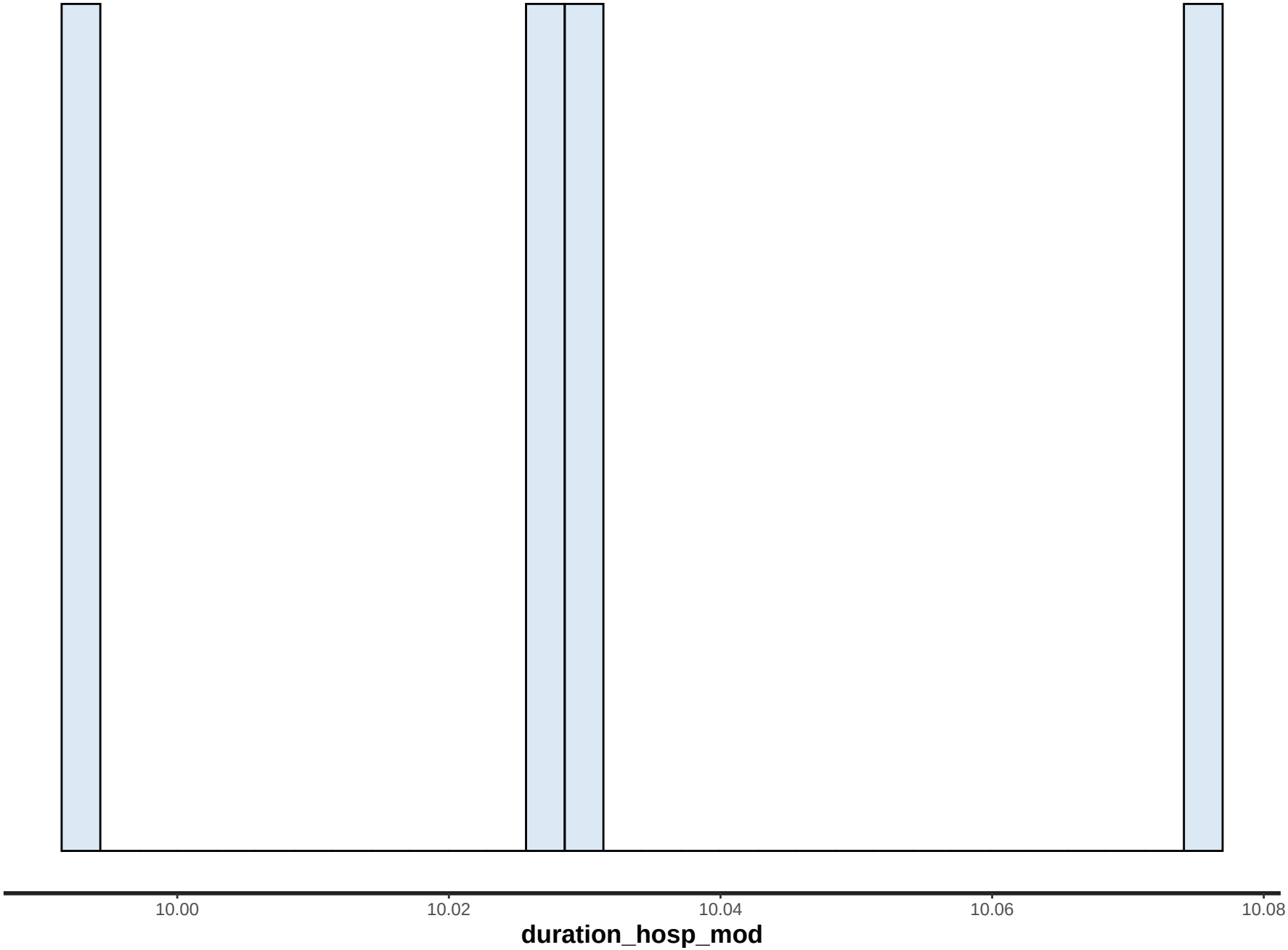


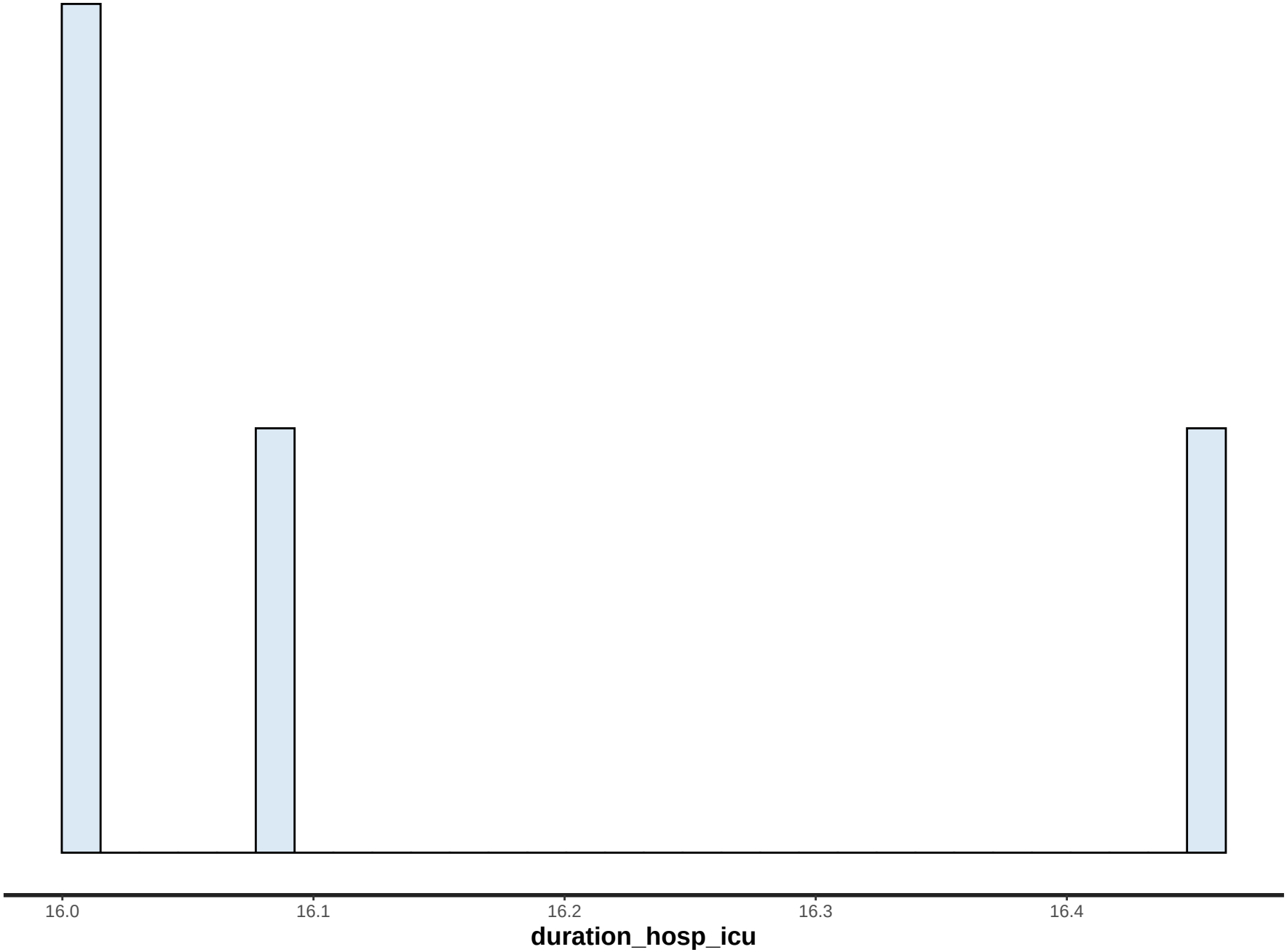

1.1
1.2
1.3
1.4
r0

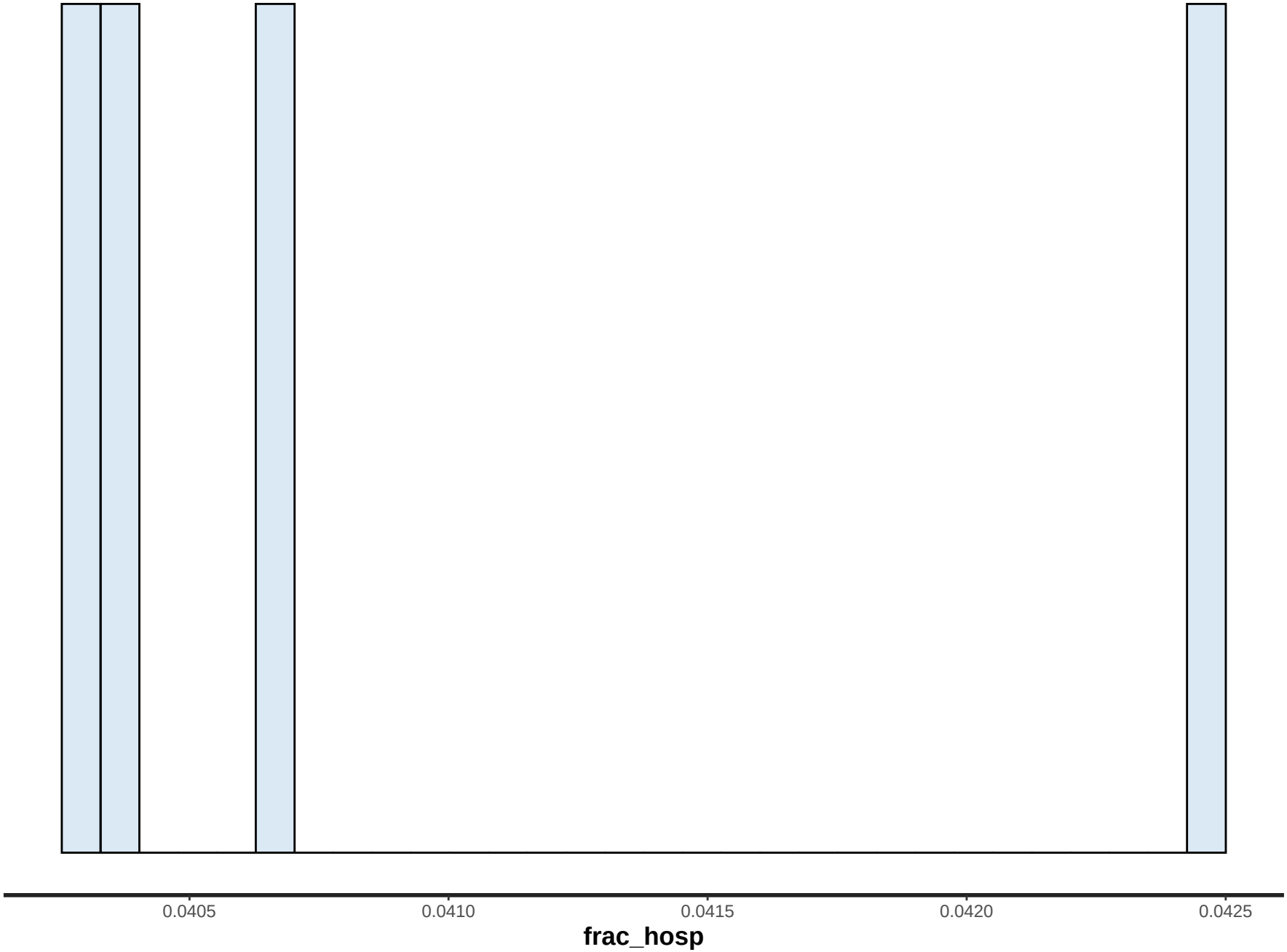

2.94
2.96
2.98
3.00
duration_latent

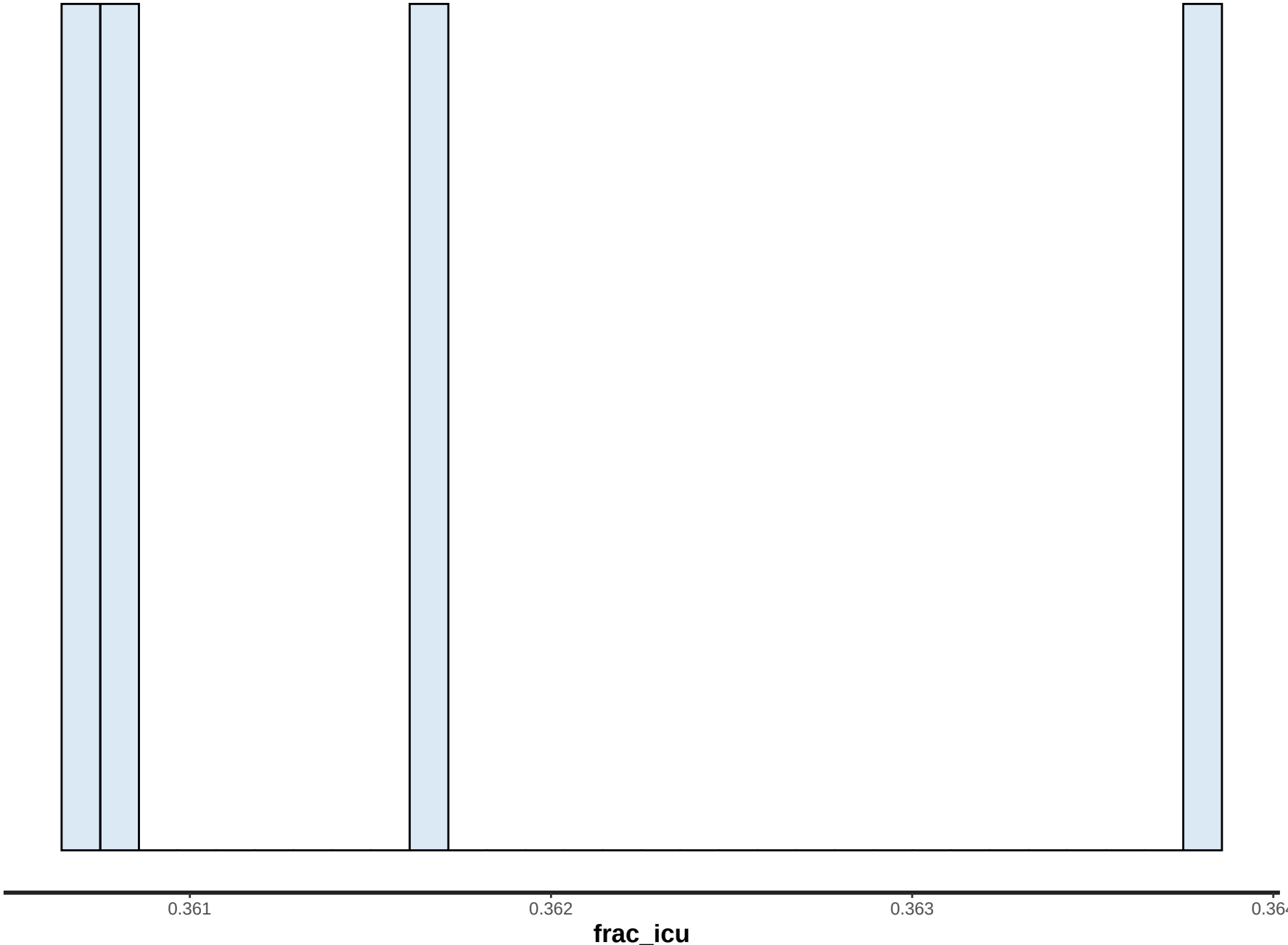

4.90
4.95
duration_rec_mild

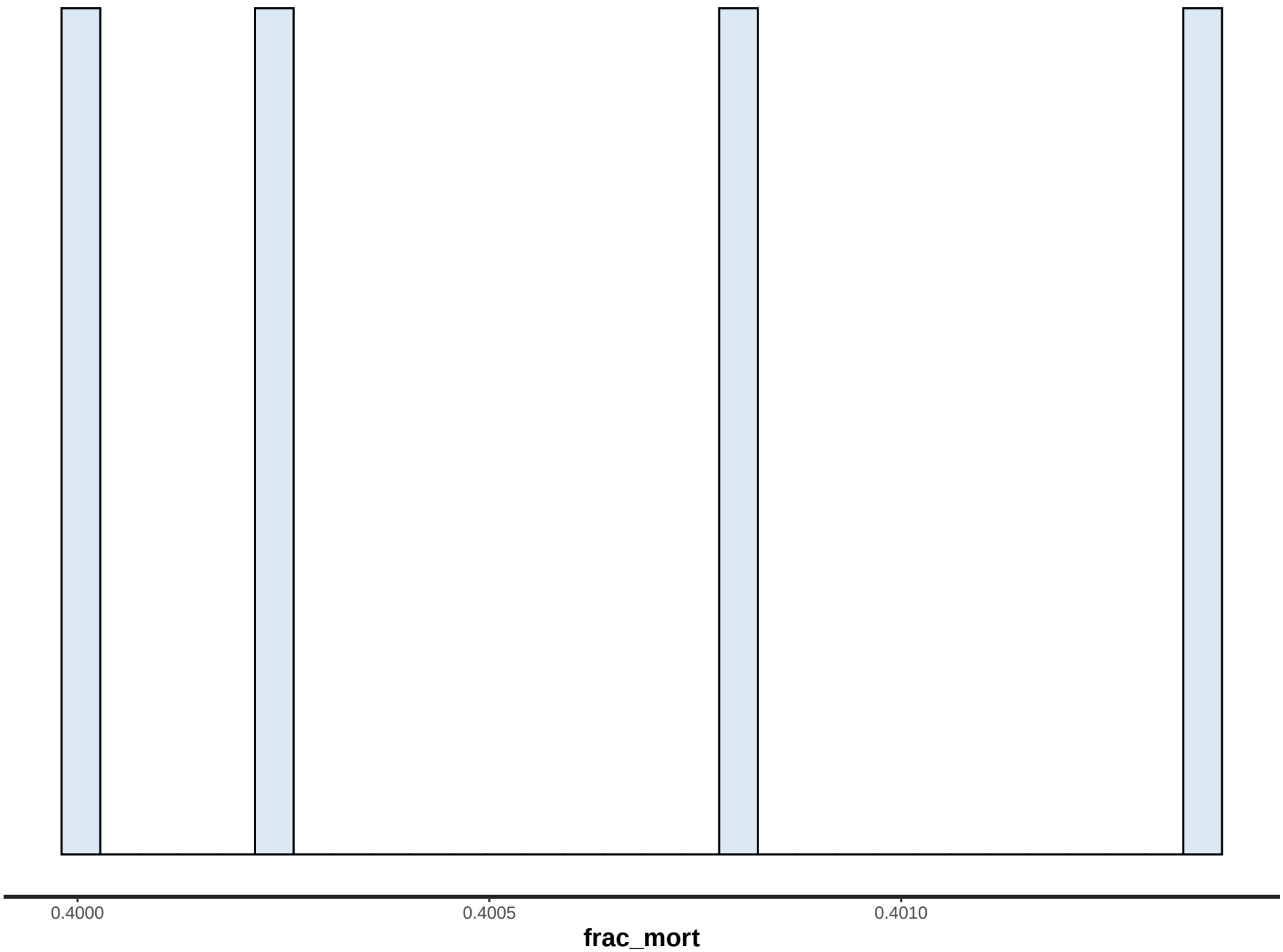

5.95
5.96
5.97
5.98
5.99
6.00
6.01
duration_pre_hosp

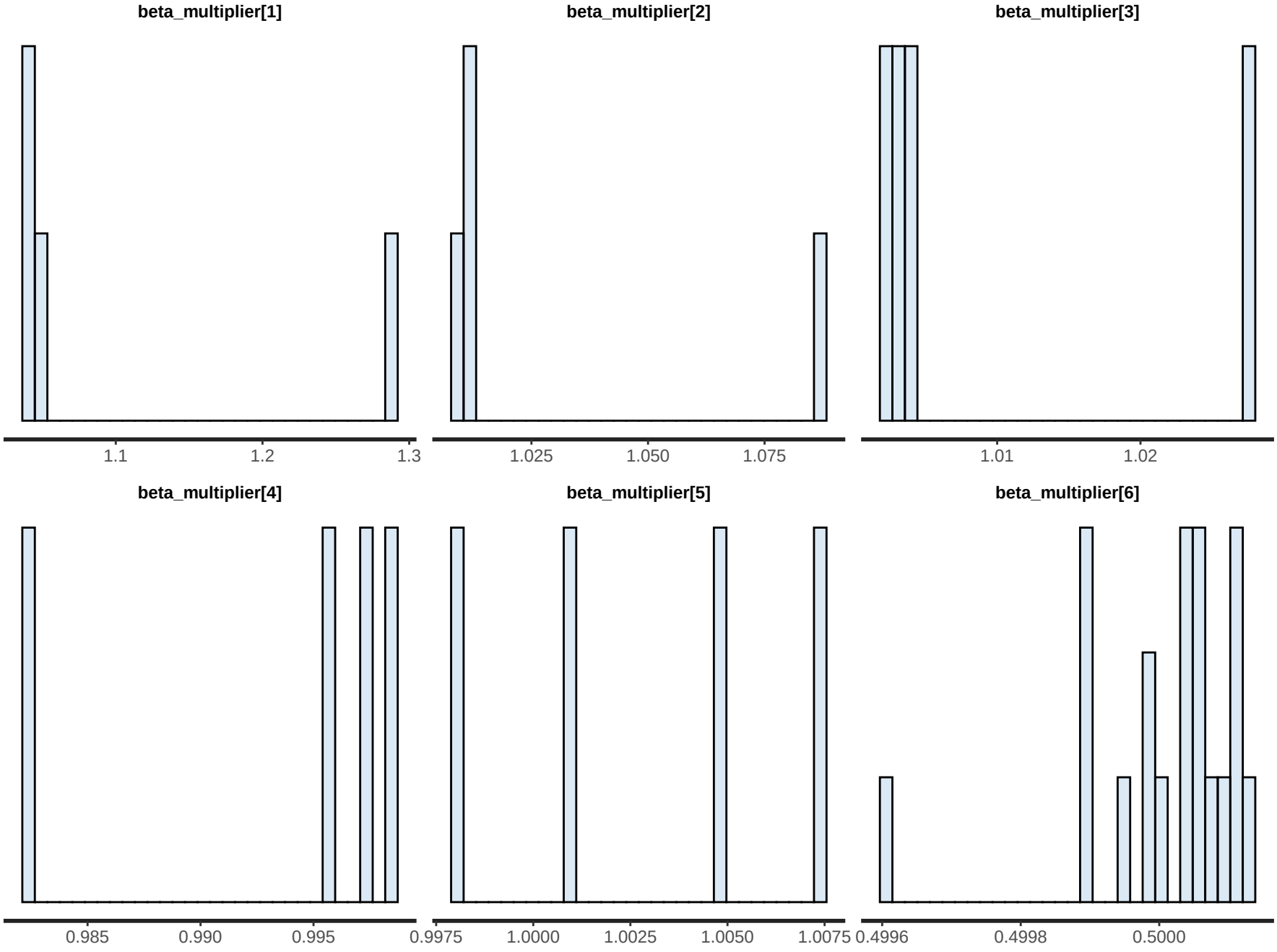

10.00
10.02
10.04
10.06
10.08
duration_hosp_mod

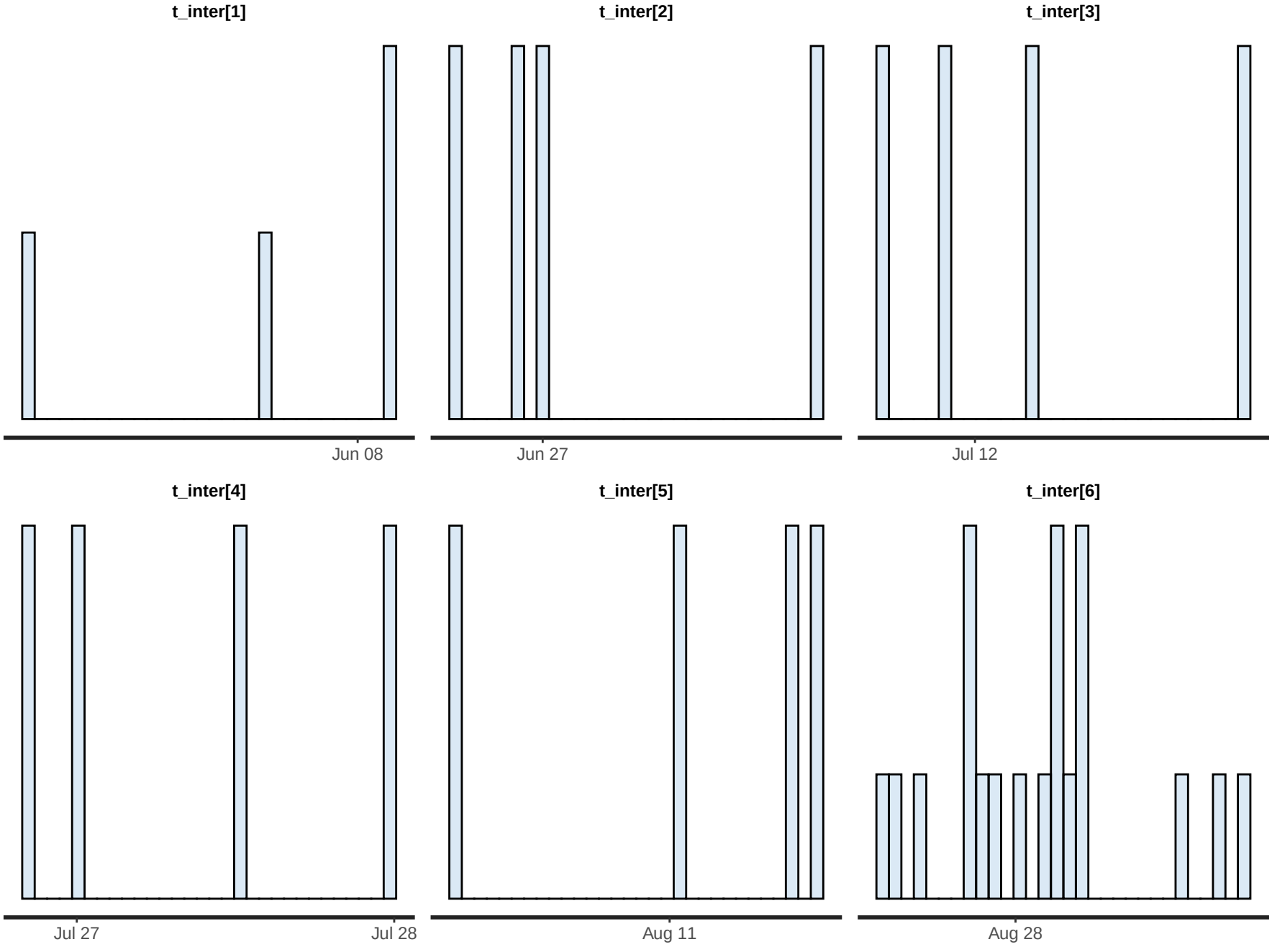

16.0
16.1
16.2
16.3
16.4
duration_hosp_icu

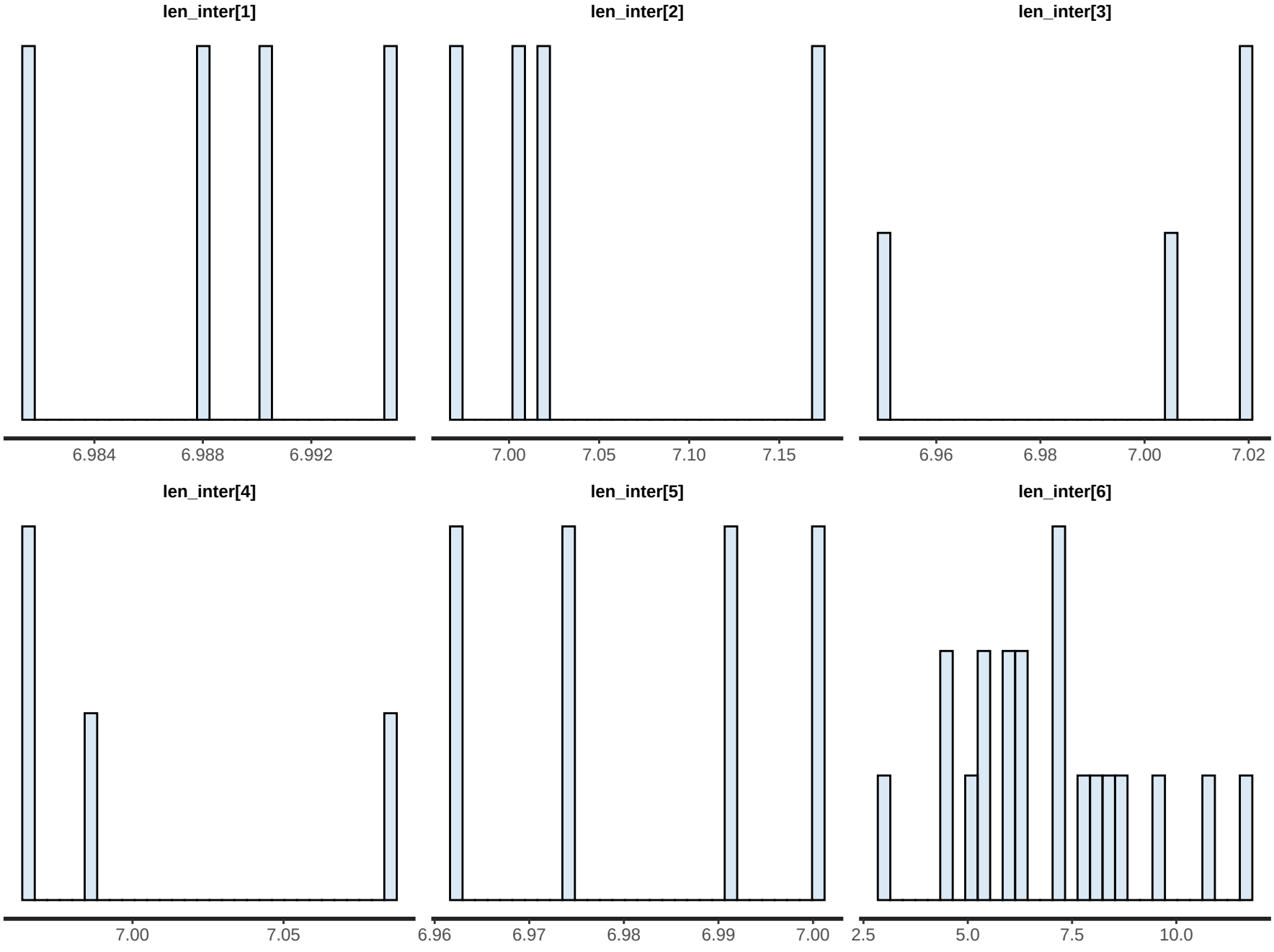

0.0405
0.0410
0.0415
0.0420
0.0425
frac_hosp

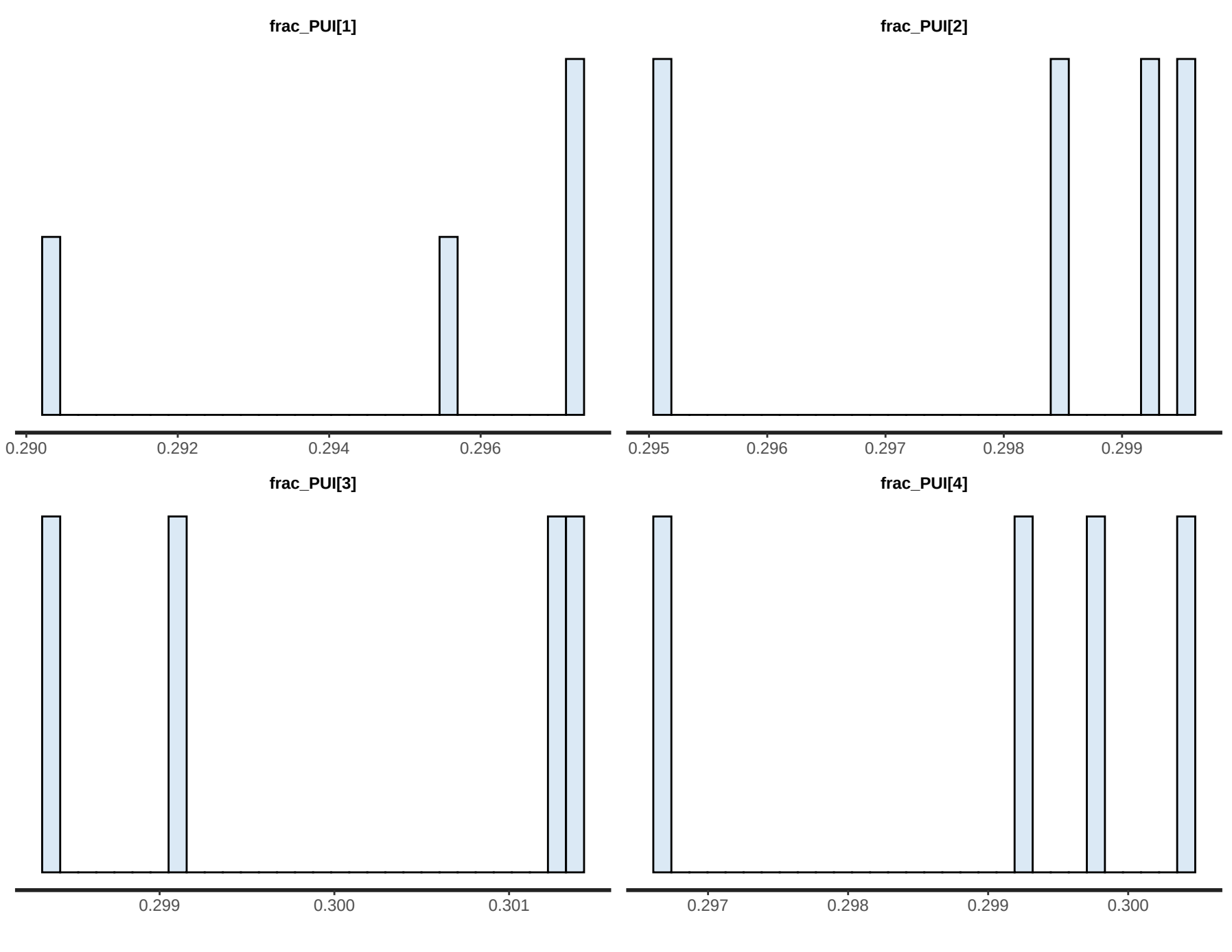

0.361
0.362
0.363
0.364
frac_icu

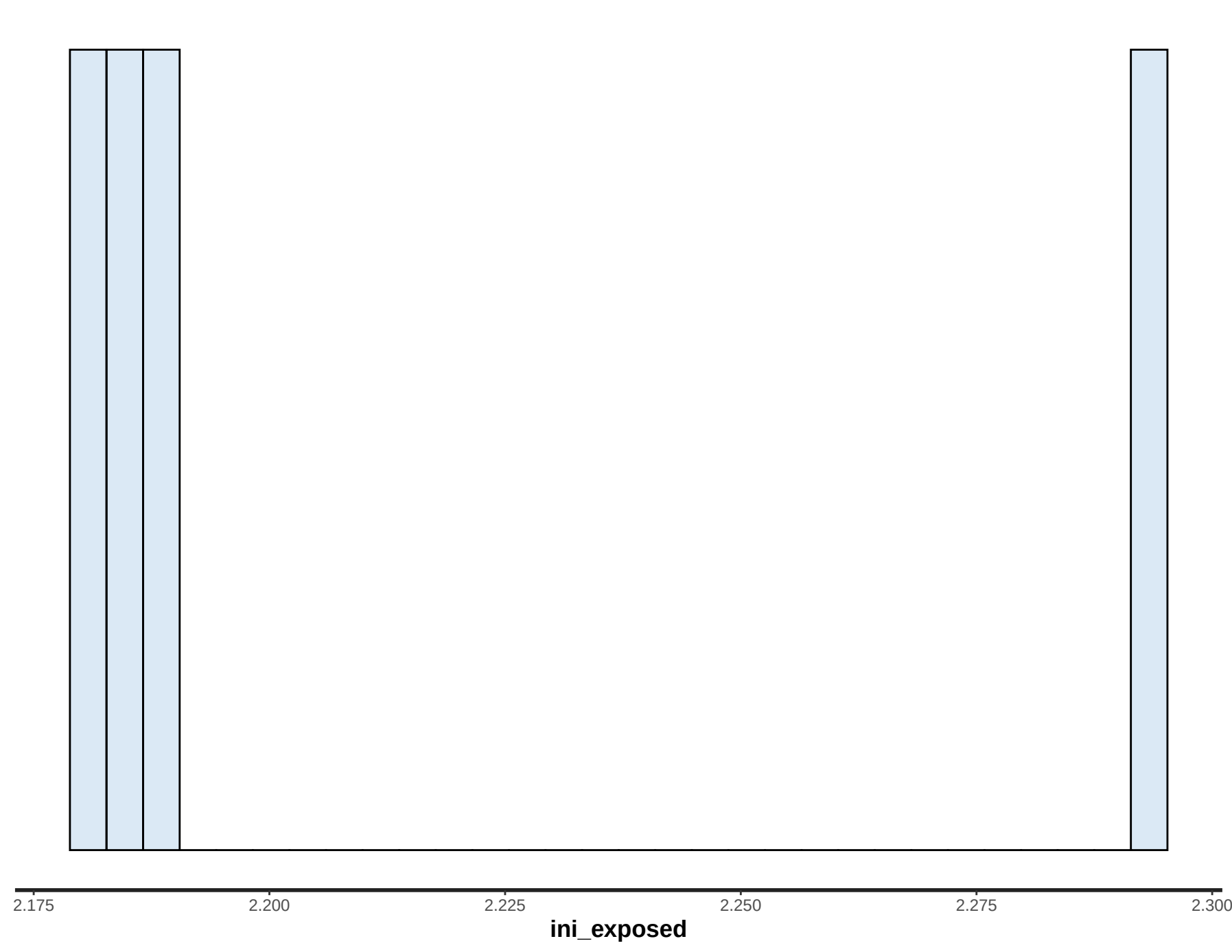

0.4000
0.4005
0.4010
frac_mort

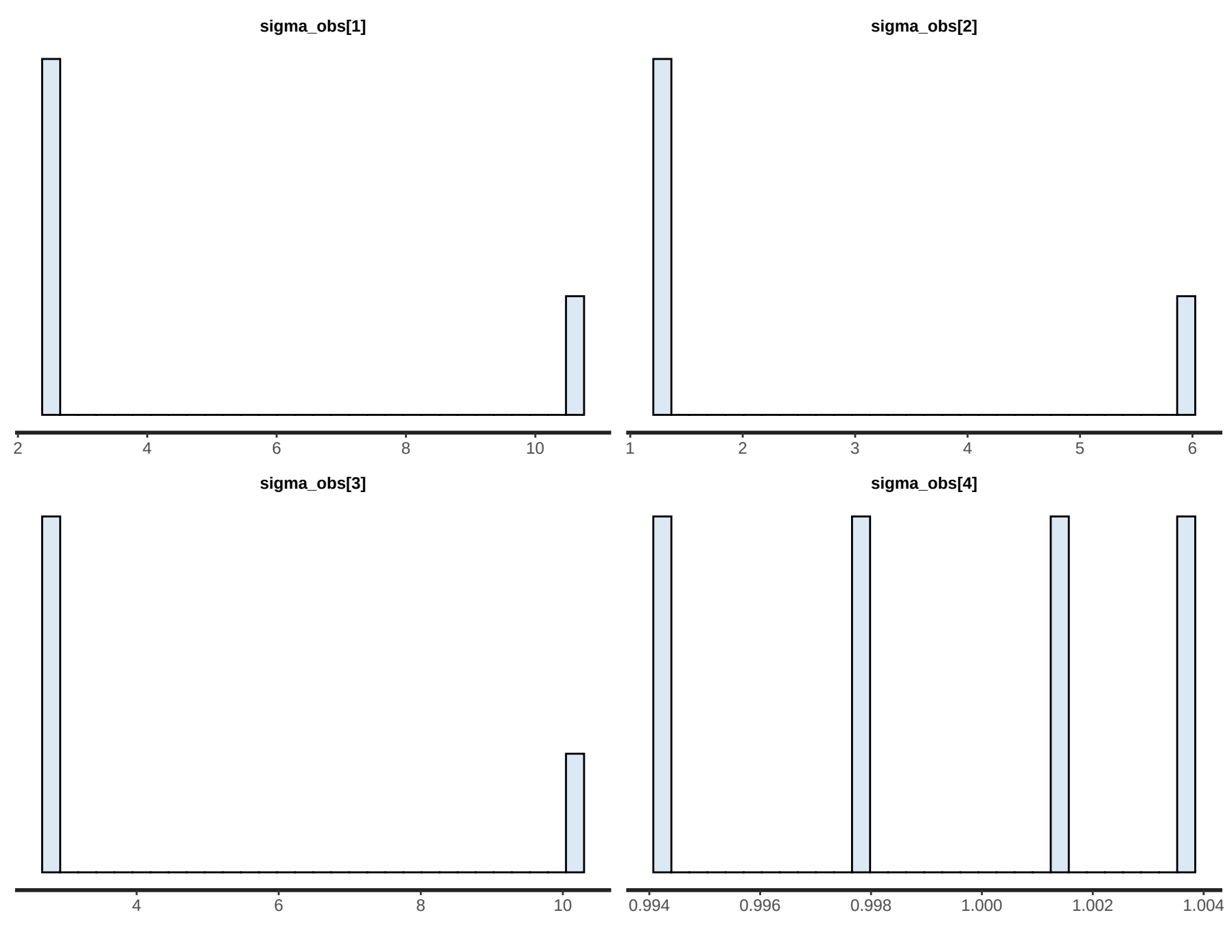

beta_multiplier[1]
1.1
1.2
1.3
beta_multiplier[2]
1.025
1.050
1.075
beta_multiplier[3]
1.01
1.02
beta_multiplier[4]
0.985
0.990
0.995
beta_multiplier[5]
0.9975
1.0000
1.0025
1.0050
1.0075
beta_multiplier[6]
0.4996
0.4998
0.5000


t_inter[1]
Jun 08
t_inter[2]
Jun 27
t_inter[3]
Jul 12
t_inter[4]
Jul 27
Jul 28
t_inter[5]
Aug 11
t_inter[6]
Aug 28


len_inter[1]
6.984
6.988
6.992
len_inter[2]
7.00
7.05
7.10
7.15
len_inter[3]
6.96
6.98
7.00
7.02
len_inter[4]
7.00
7.05
len_inter[5]
6.96
6.97
6.98
6.99
7.00
len_inter[6]
2.5
5.0
7.5
10.0


frac_PUI[1]
0.290
0.292
0.294
0.296
frac_PUI[2]
0.295
0.296
0.297
0.298
0.299
frac_PUI[3]
0.299
0.300
0.301
frac_PUI[4]
0.297
0.298
0.299
0.300


2.175
2.200
2.225
2.250
2.275
2.300
ini_exposed


sigma_obs[1]
2
4
6
8
10
sigma_obs[2]
1
2
3
4
5
6
sigma_obs[3]
4
6
8
10
sigma_obs[4]
0.994
0.996
0.998
1.000
1.002
1.004