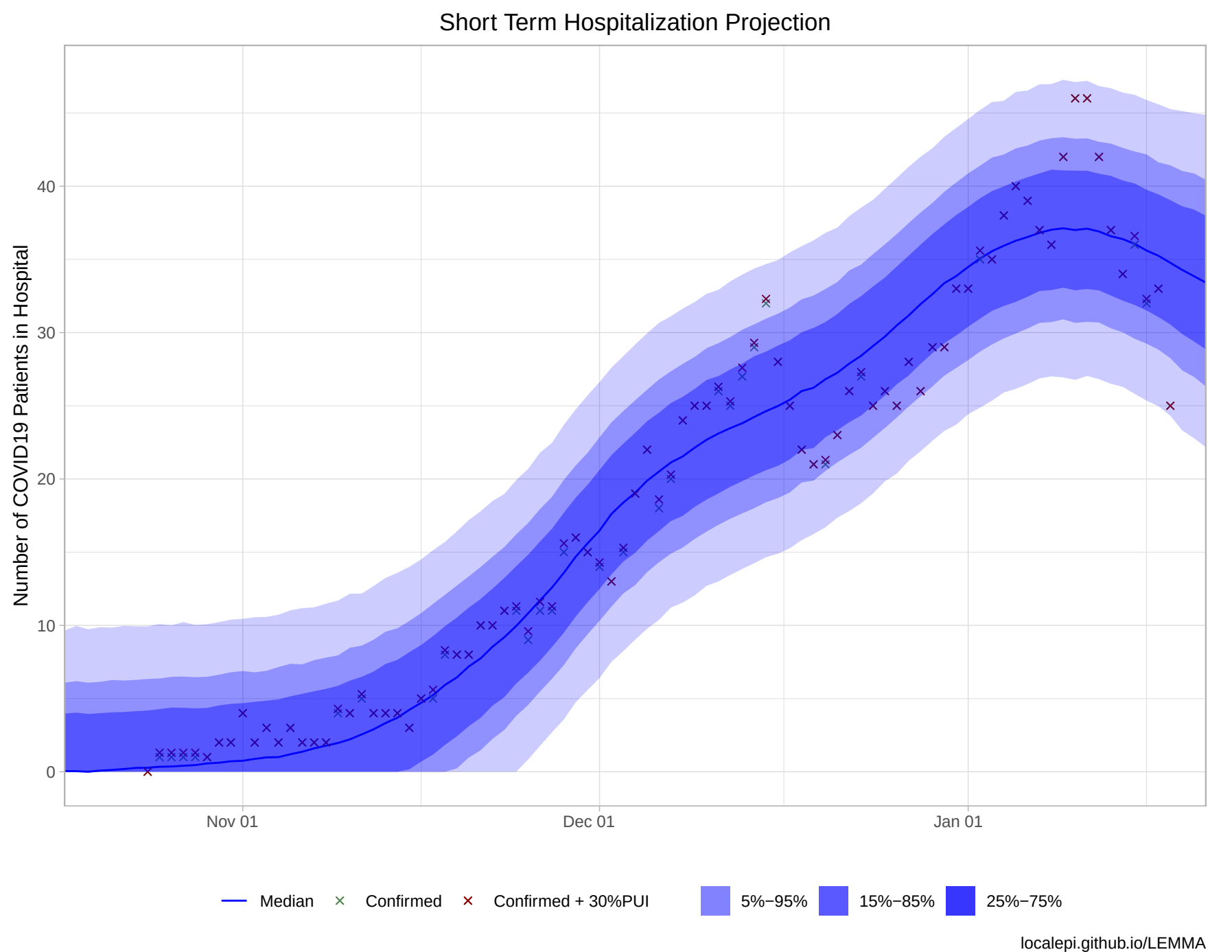
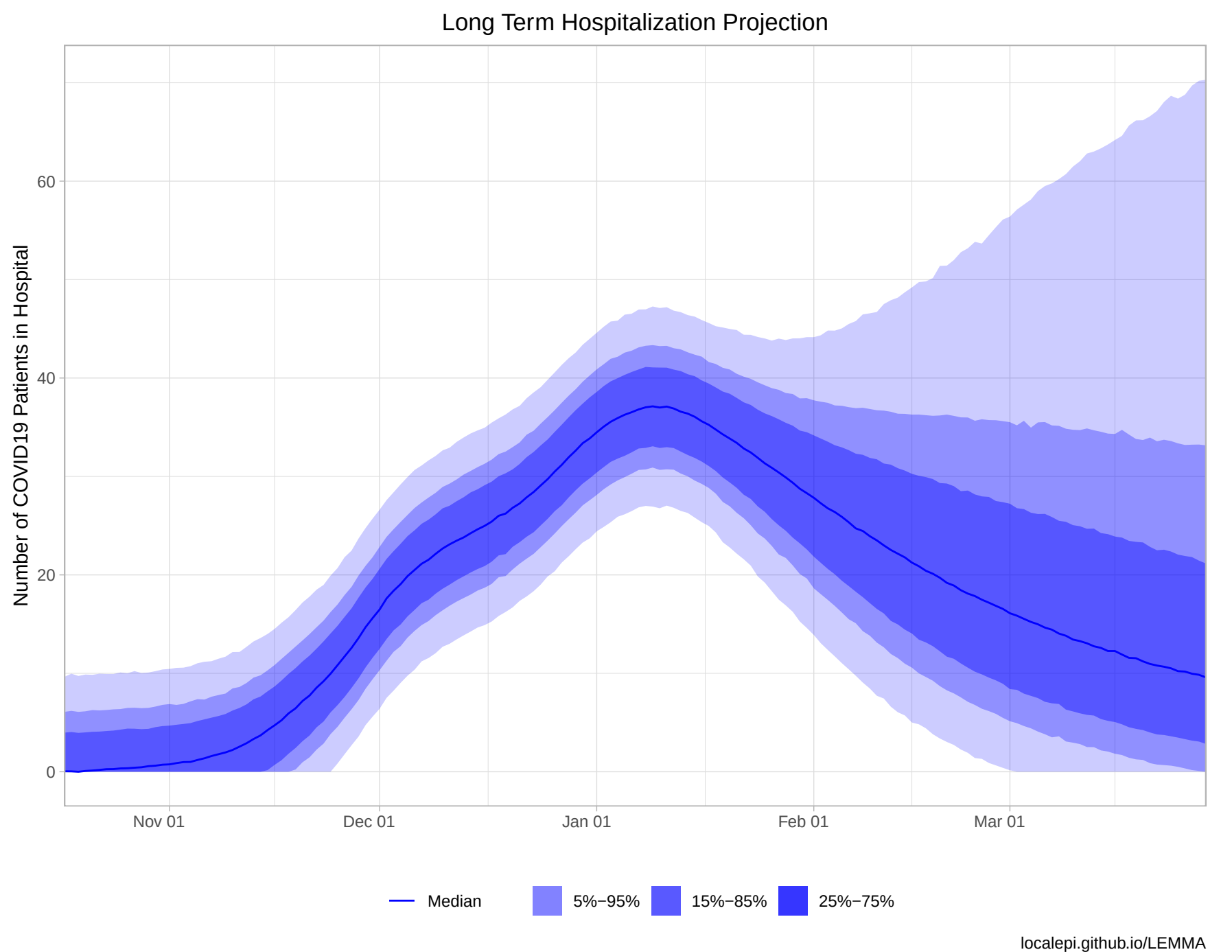
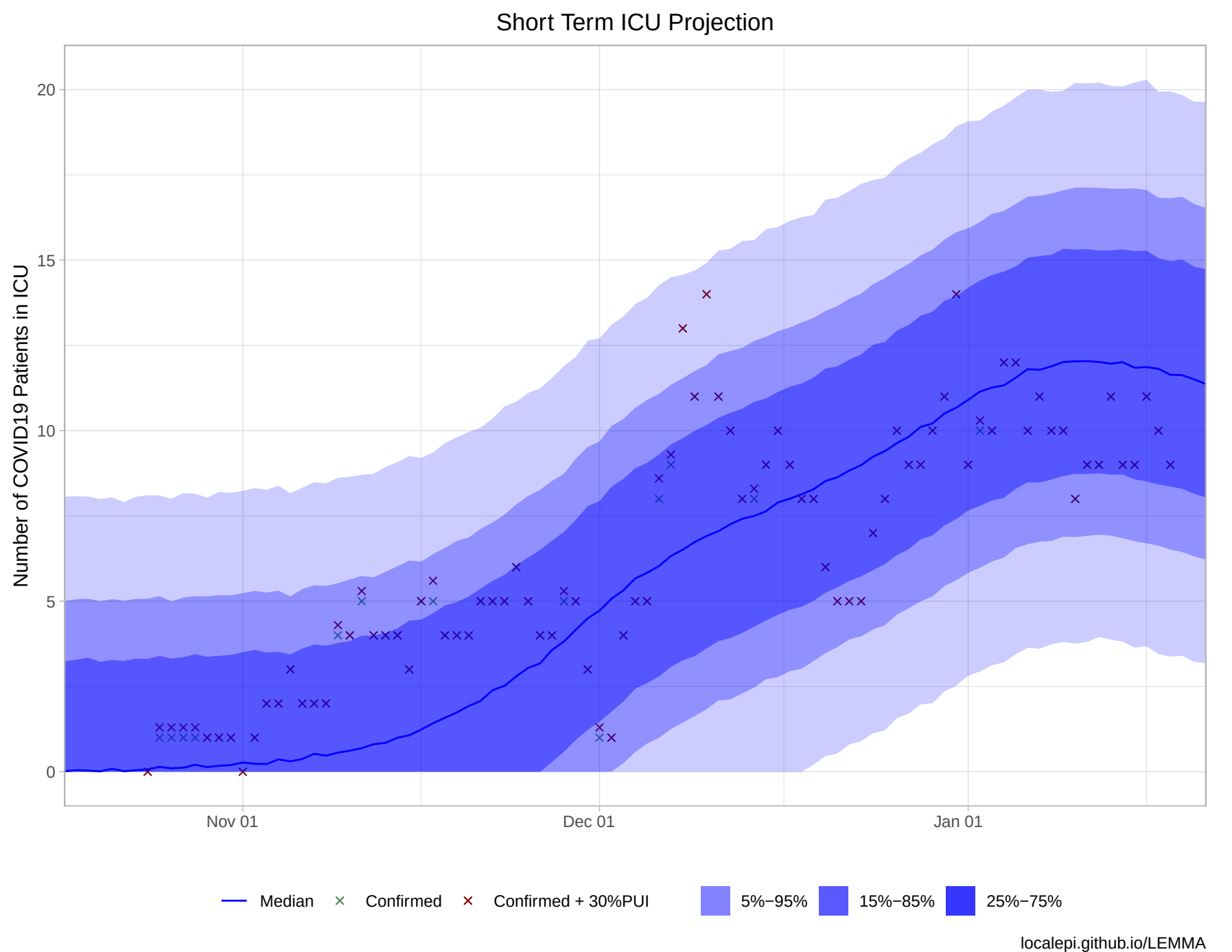
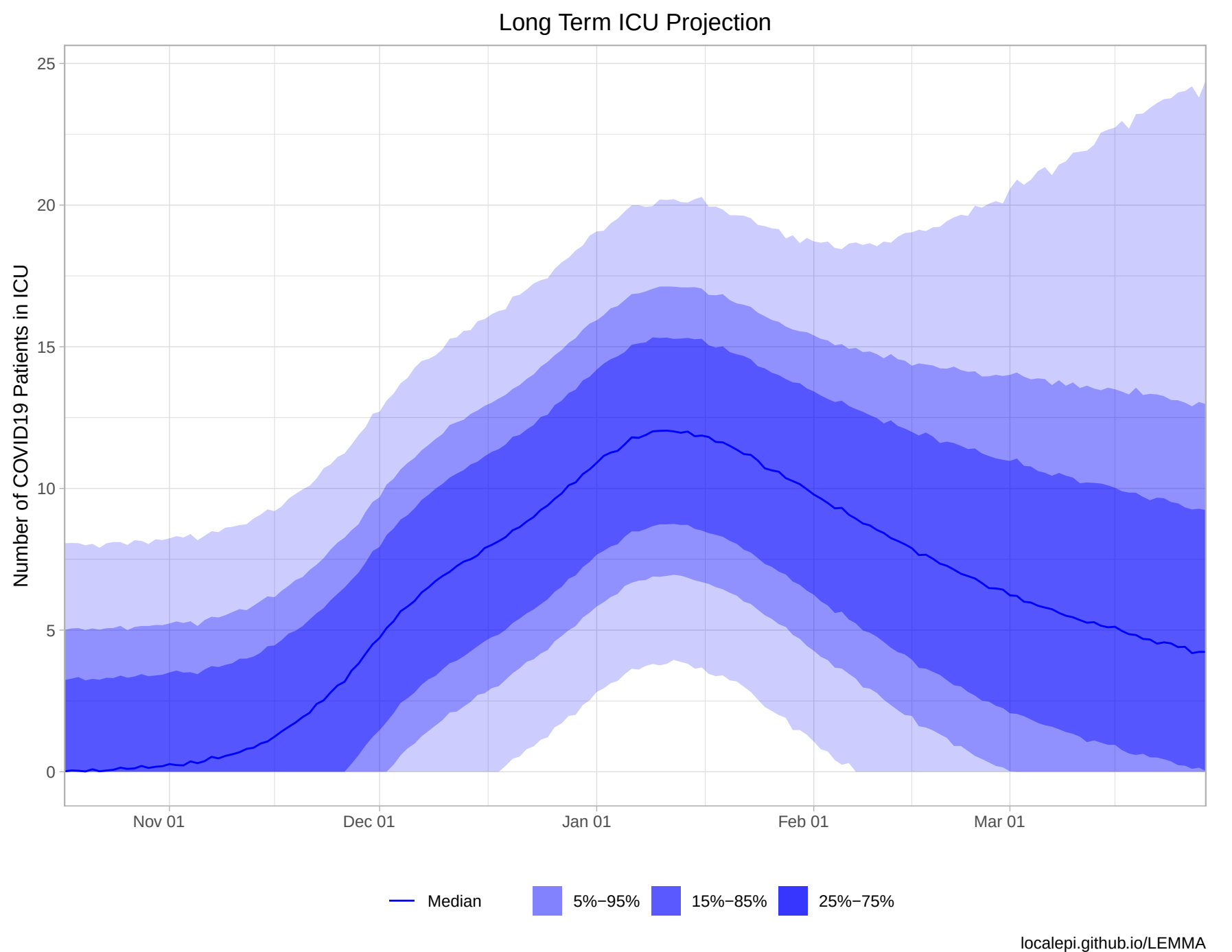
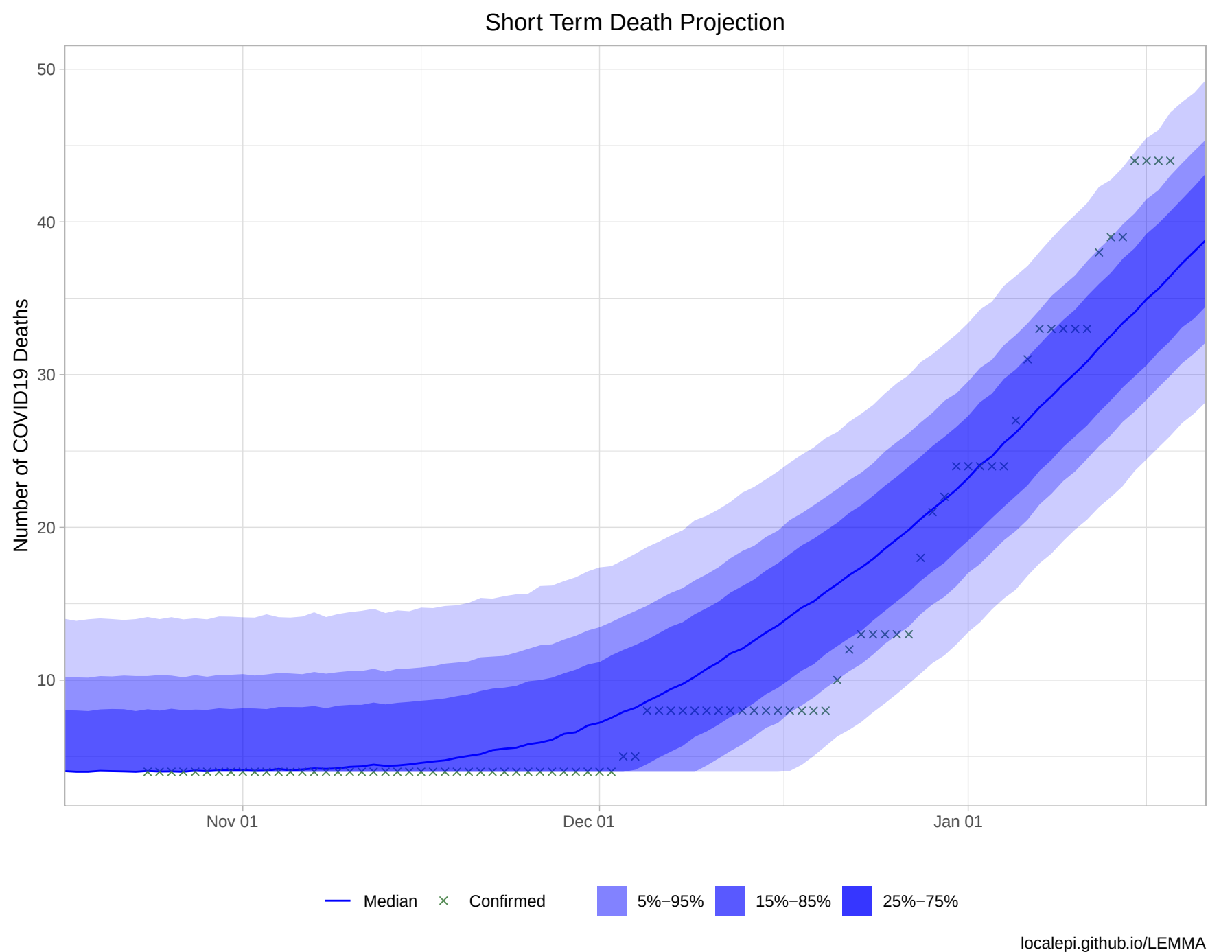
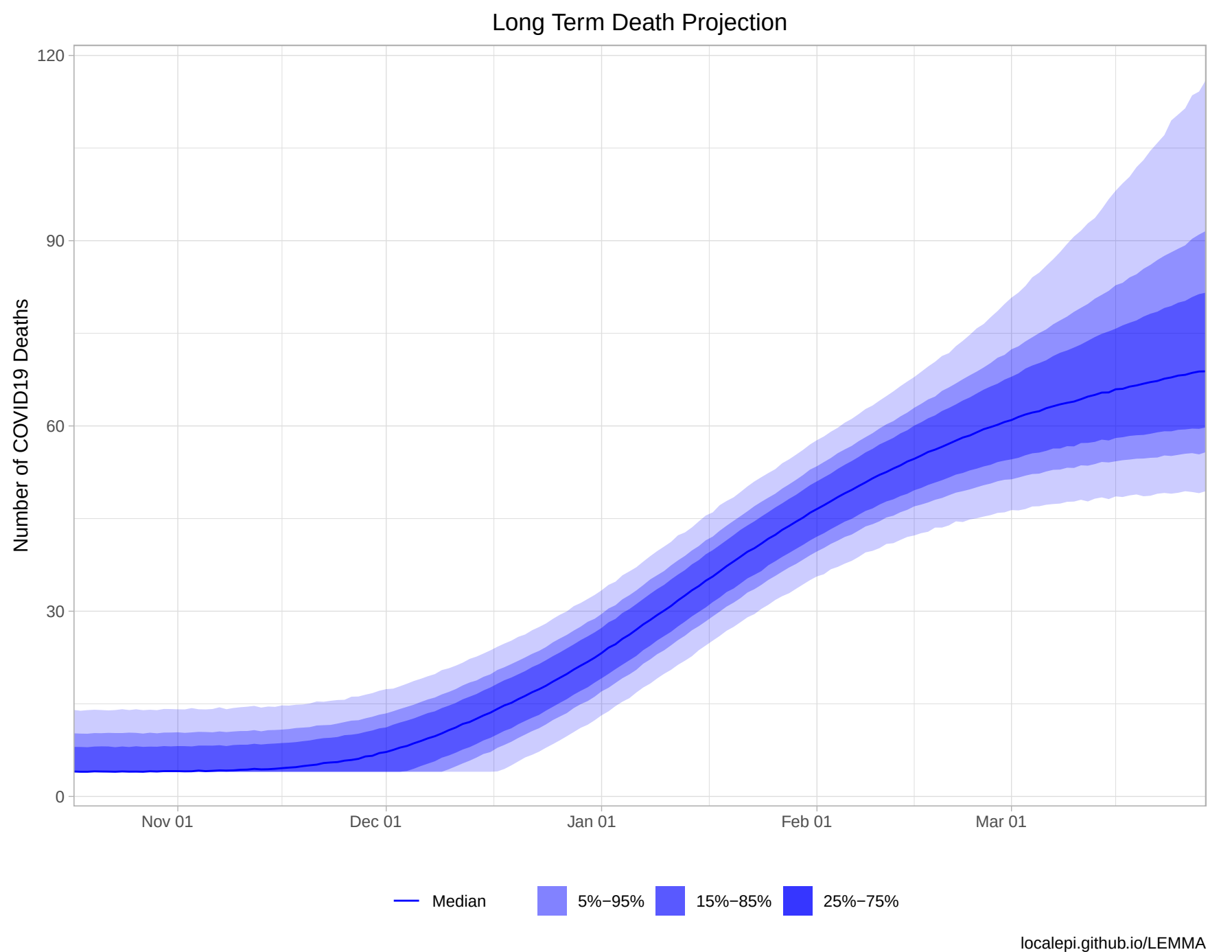

Short Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
10
20
30
40
Nov 01
Dec 01
Jan 01
Median
Confirmed
Confirmed + 30%PUI
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

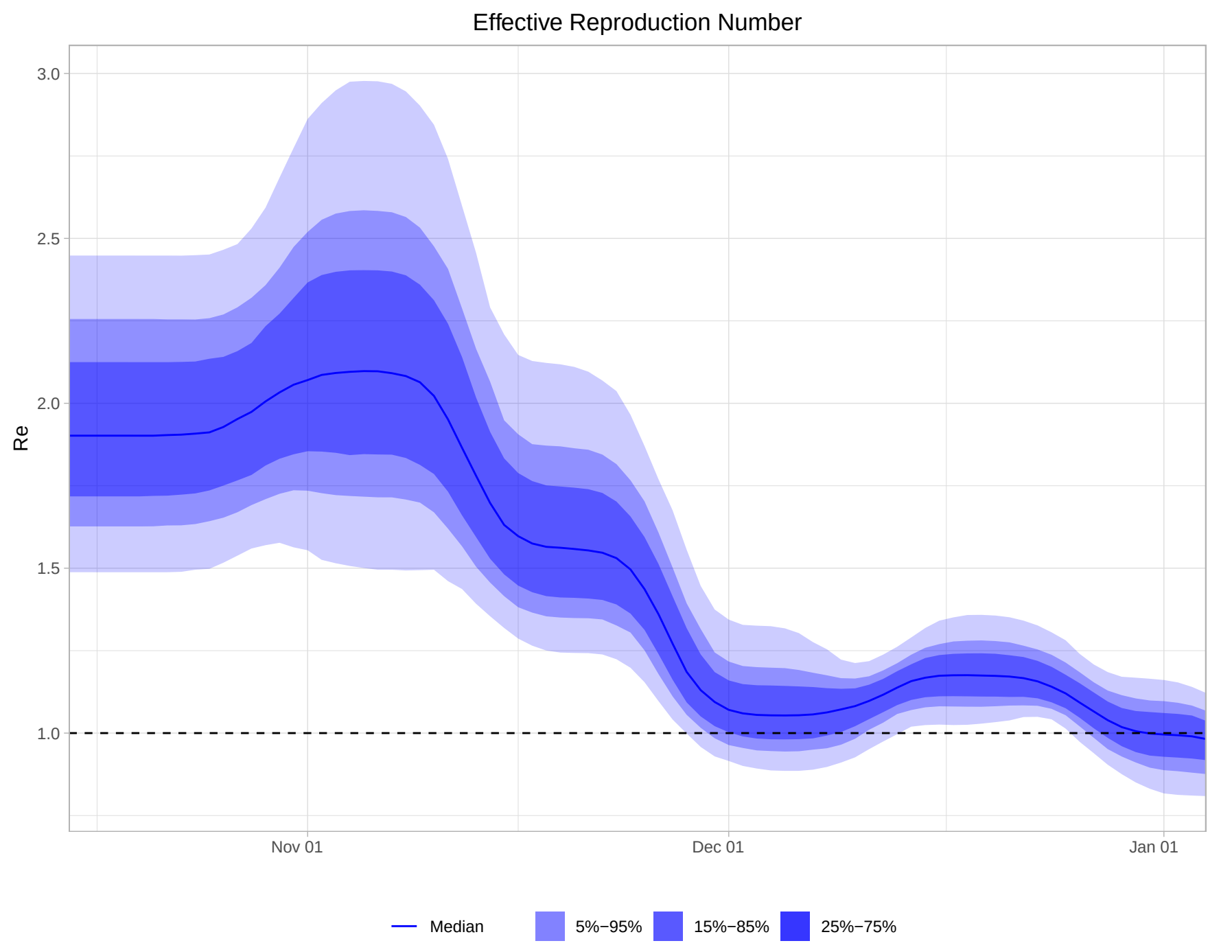

Long Term Hospitalization Projection
Number of COVID19 Patients in Hospital
0
20
40
60
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA


Short Term ICU Projection
Number of COVID19 Patients in ICU
20
15
10
5
0
Nov 01
Dec 01
Jan 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
25
20
15
10
5
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

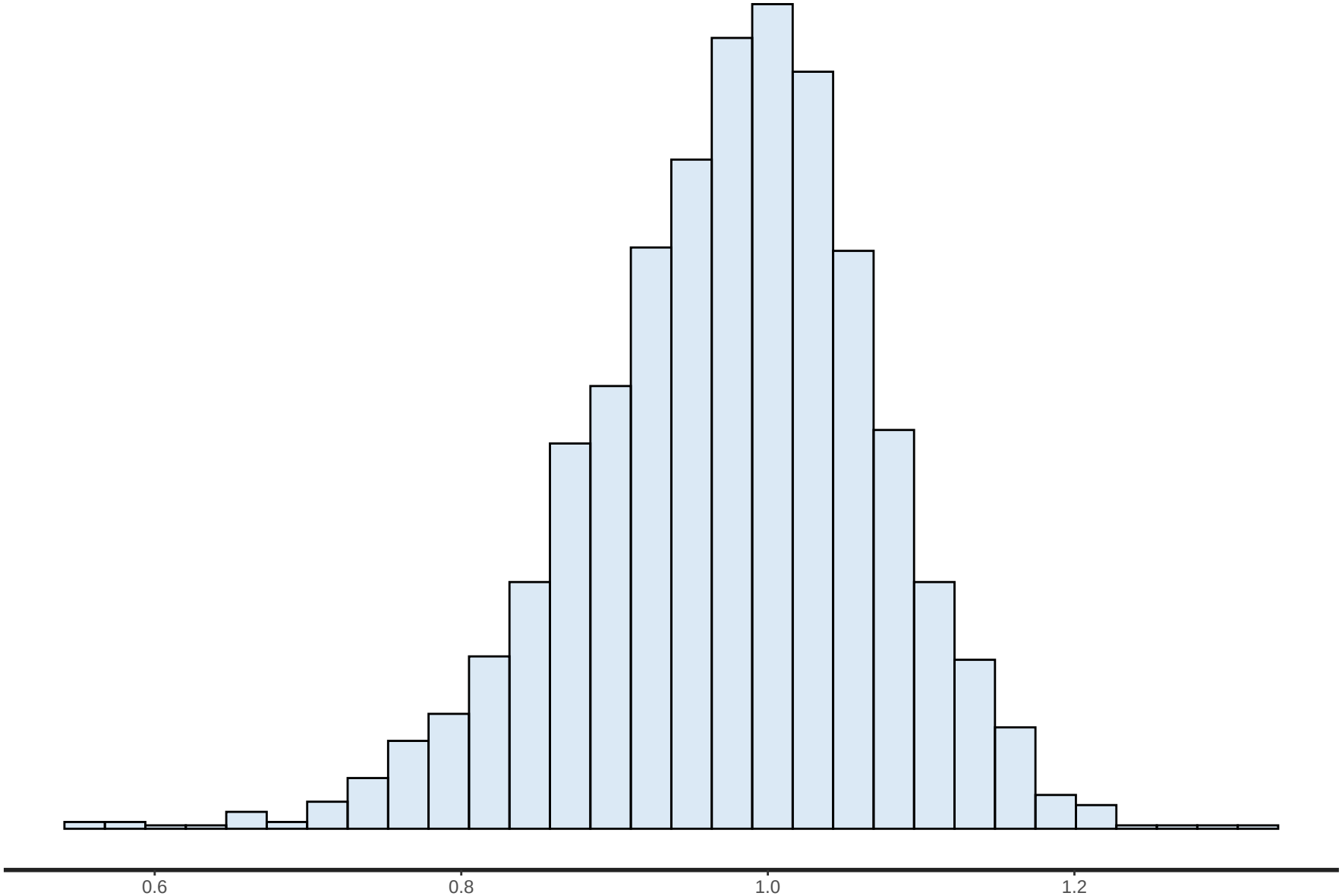

Short Term Death Projection
Number of COVID19 Deaths
50
40
30
20
10
Nov 01
Dec 01
Jan 01
Median
Confirmed
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

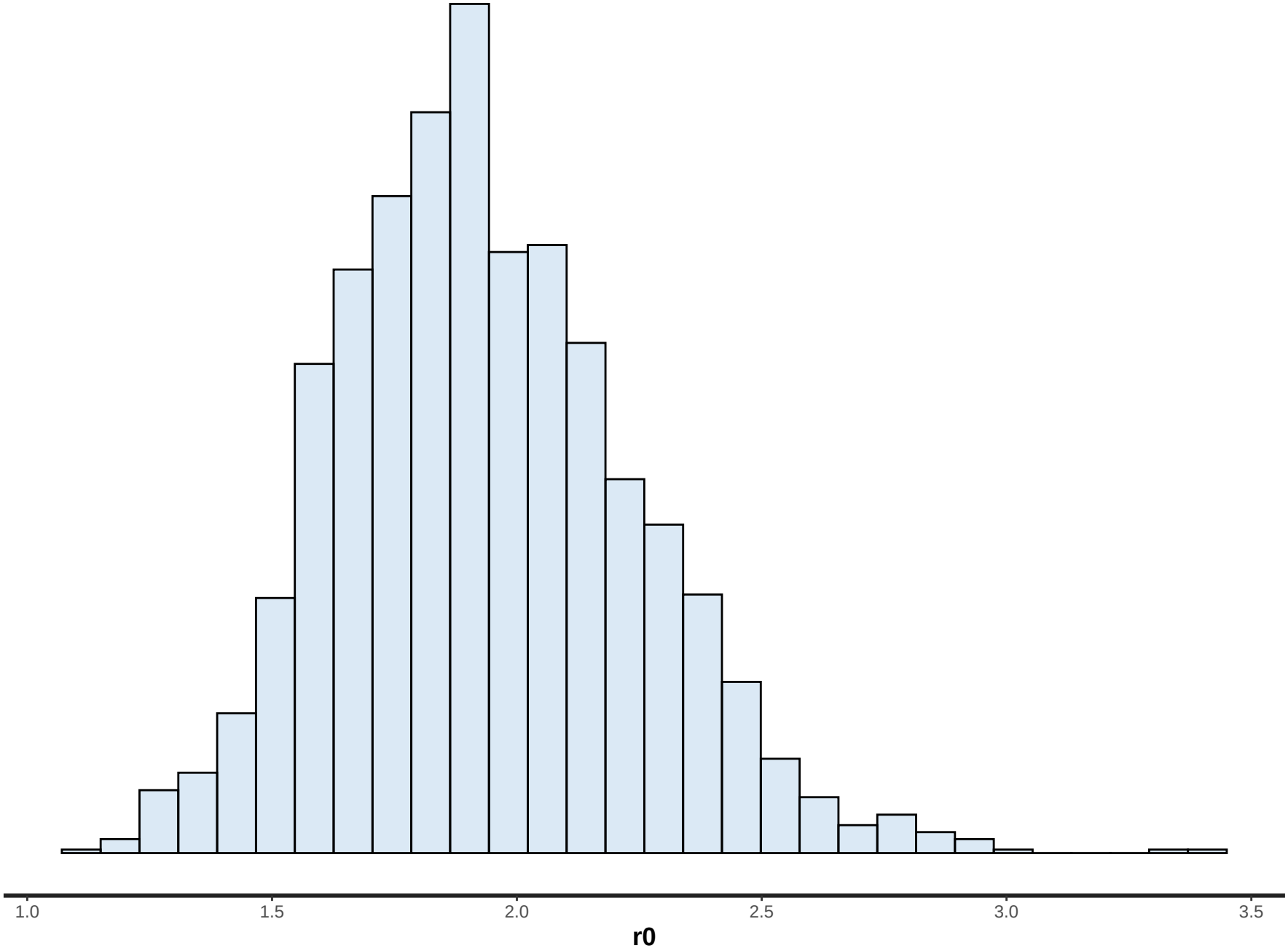

Long Term Death Projection
Number of COVID19 Deaths
120
90
60
30
0
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Median
5%−95%
15%−85%
25%−75%
localepi.github.io/LEMMA

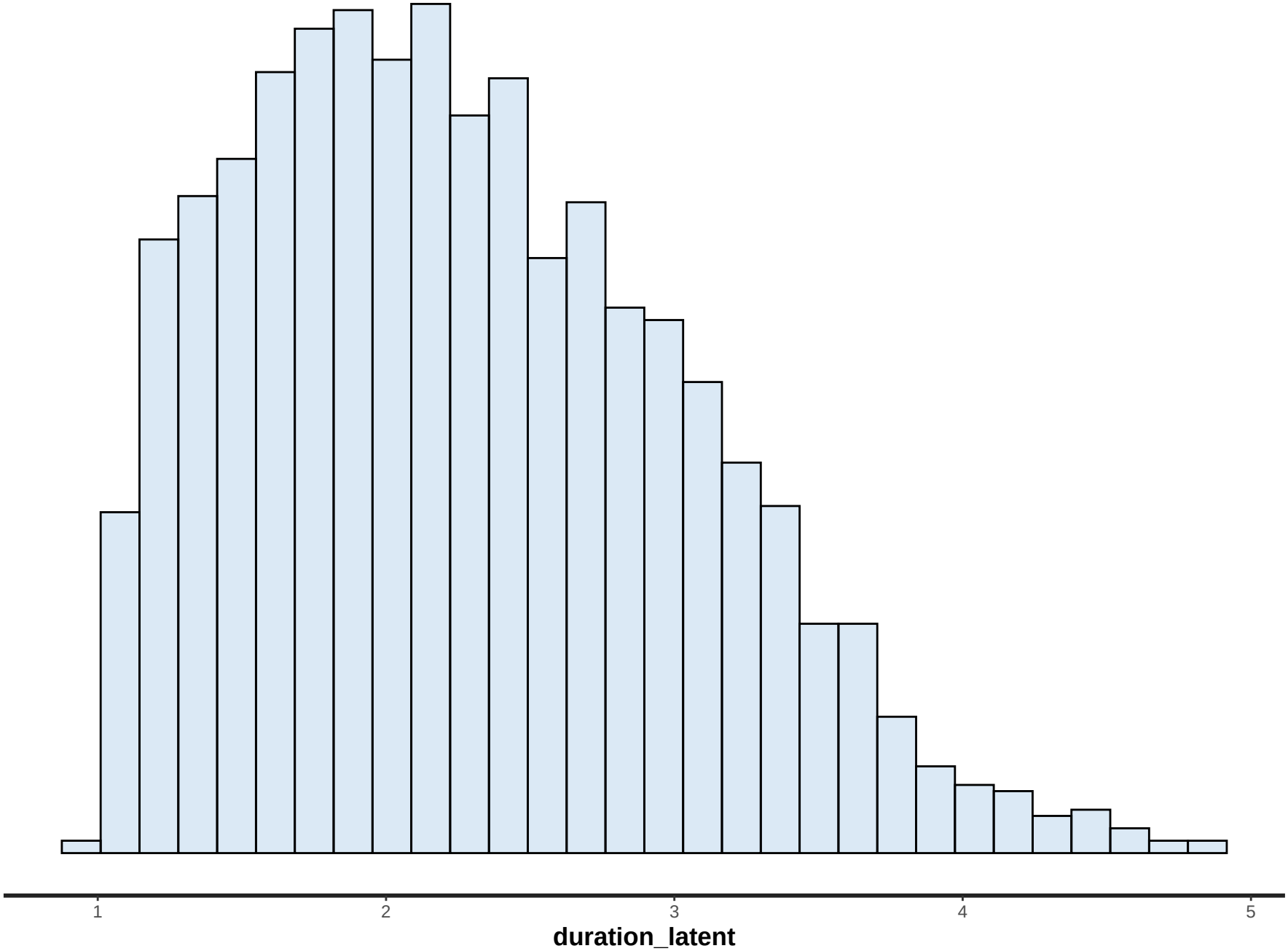

Effective Reproduction Number
Re
3.0
2.5
2.0
1.5
1.0
Nov 01
Dec 01
Jan 01
Median
5%−95%
15%−85%
25%−75%

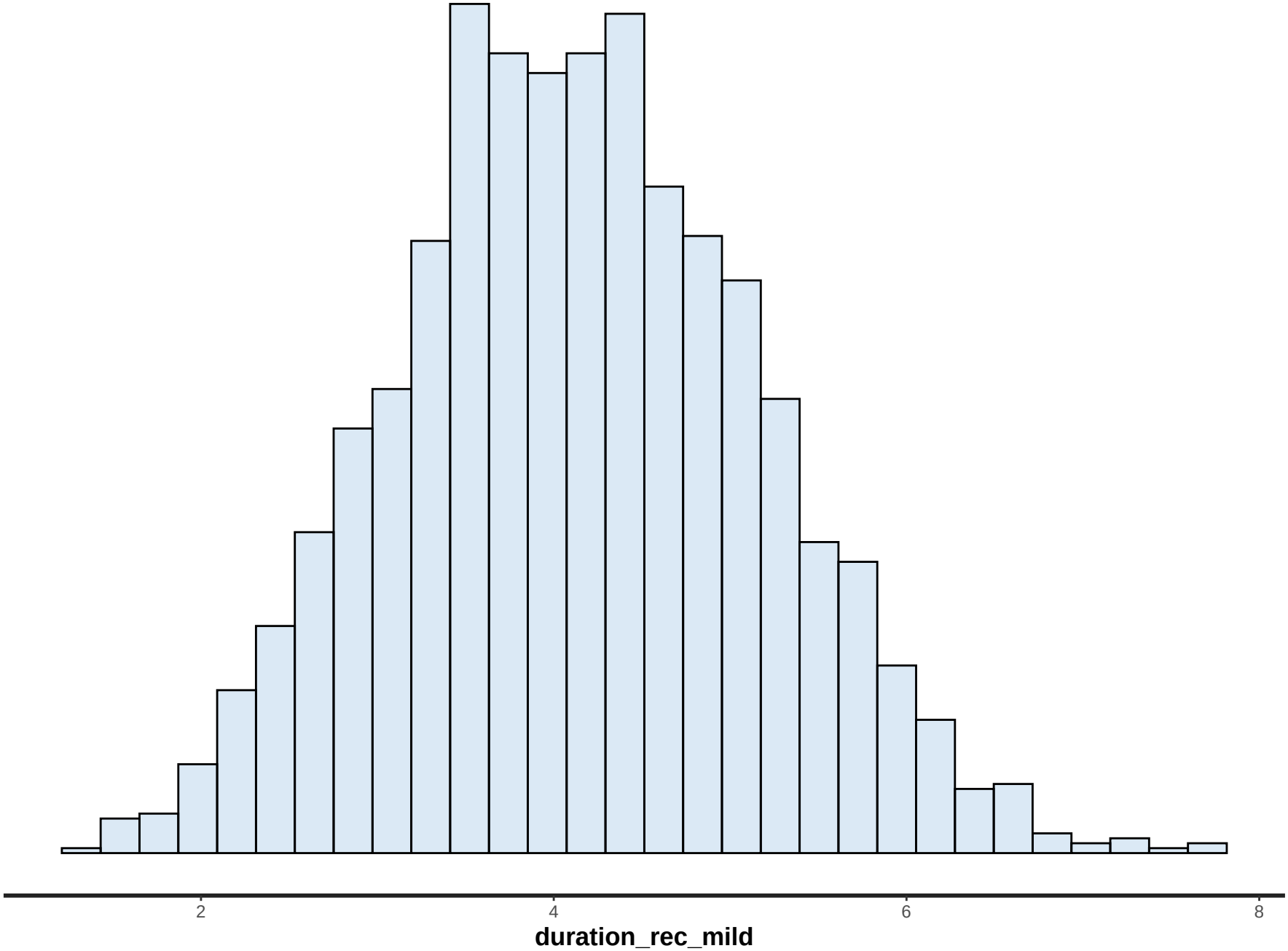
Rt as of 2021−01−04

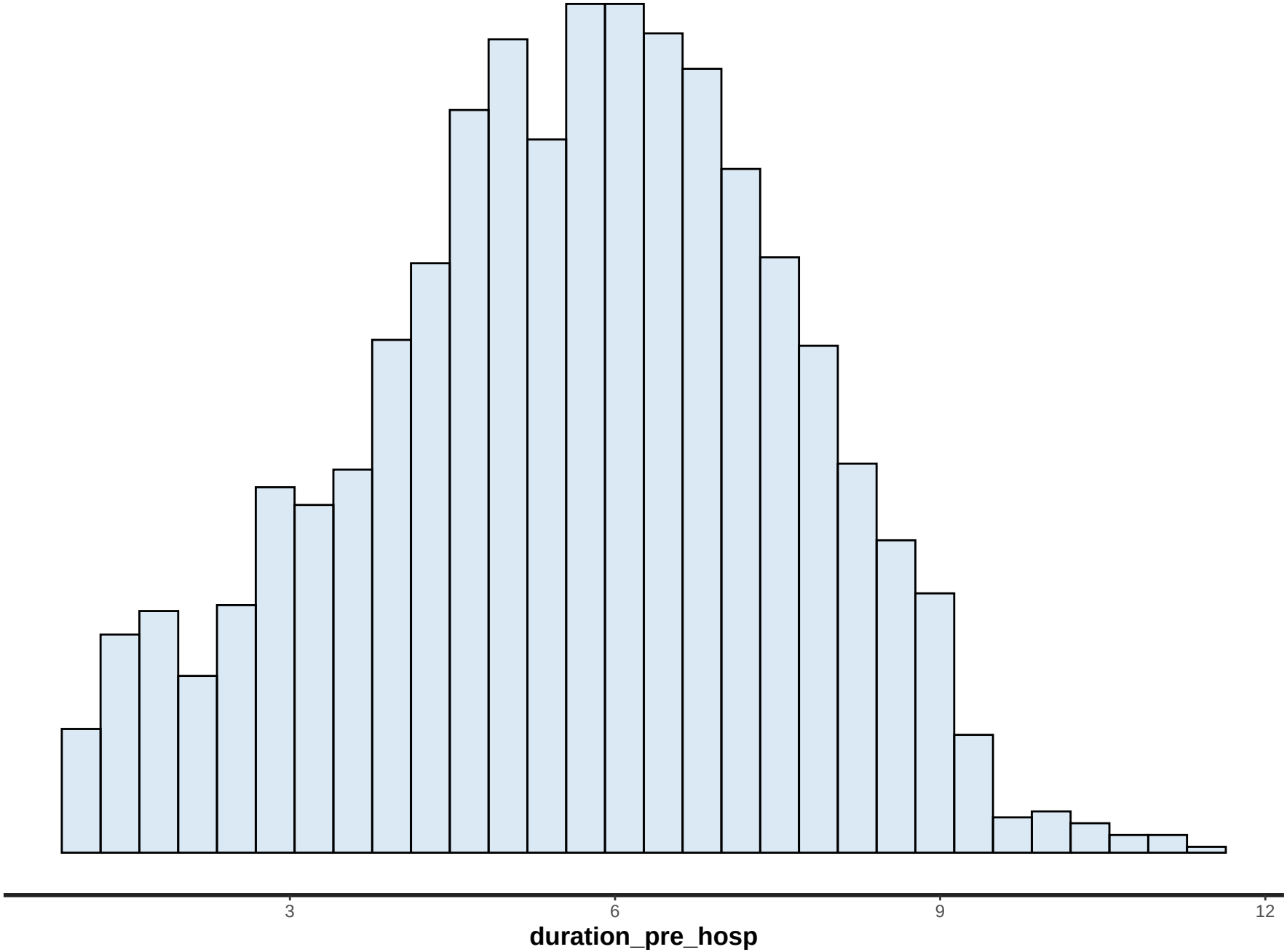
5%	10%	25%	50%	75%	90%	95%
0.81	0.85	0.92	0.98	1.04	1.09	1.12

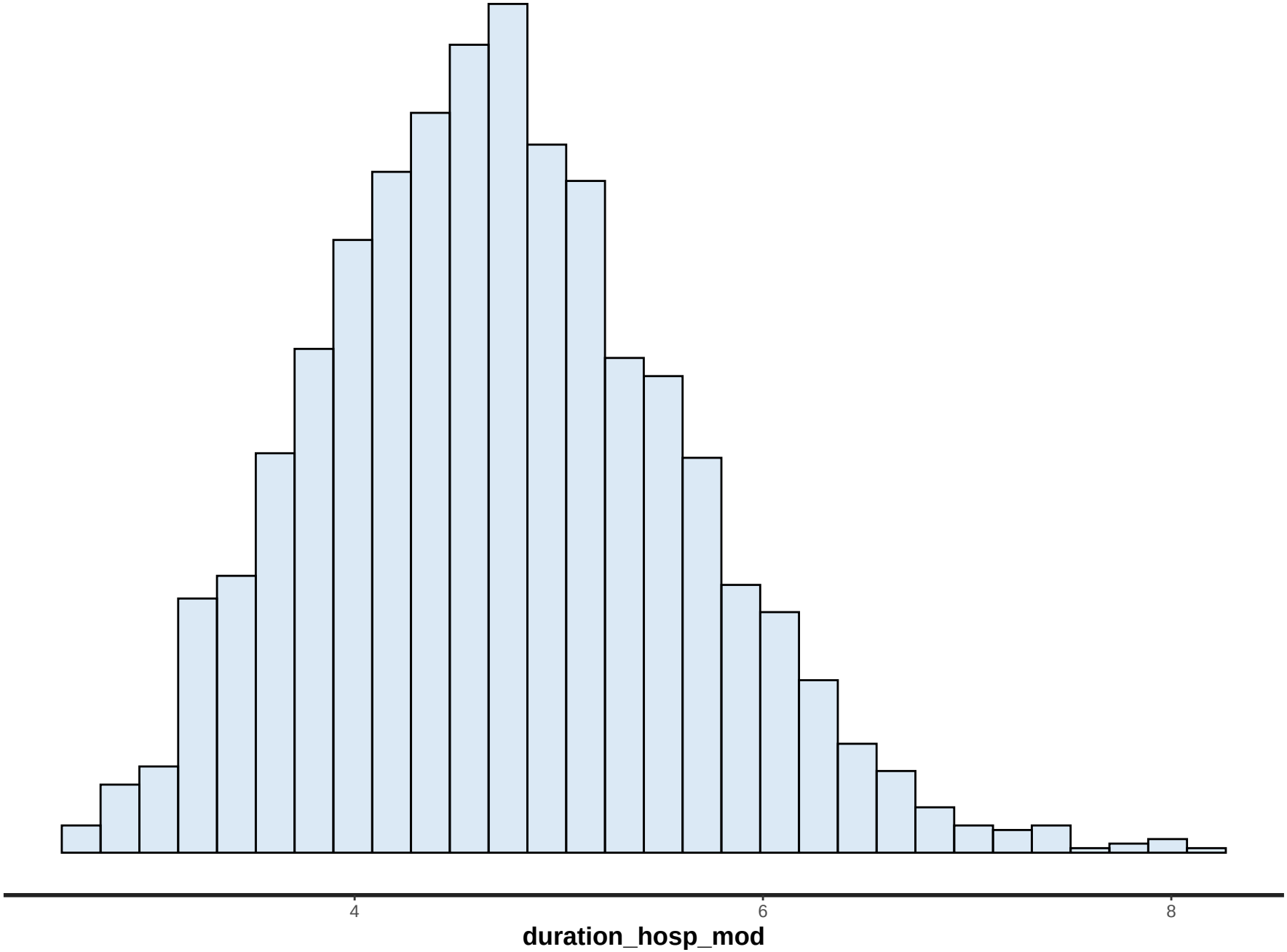


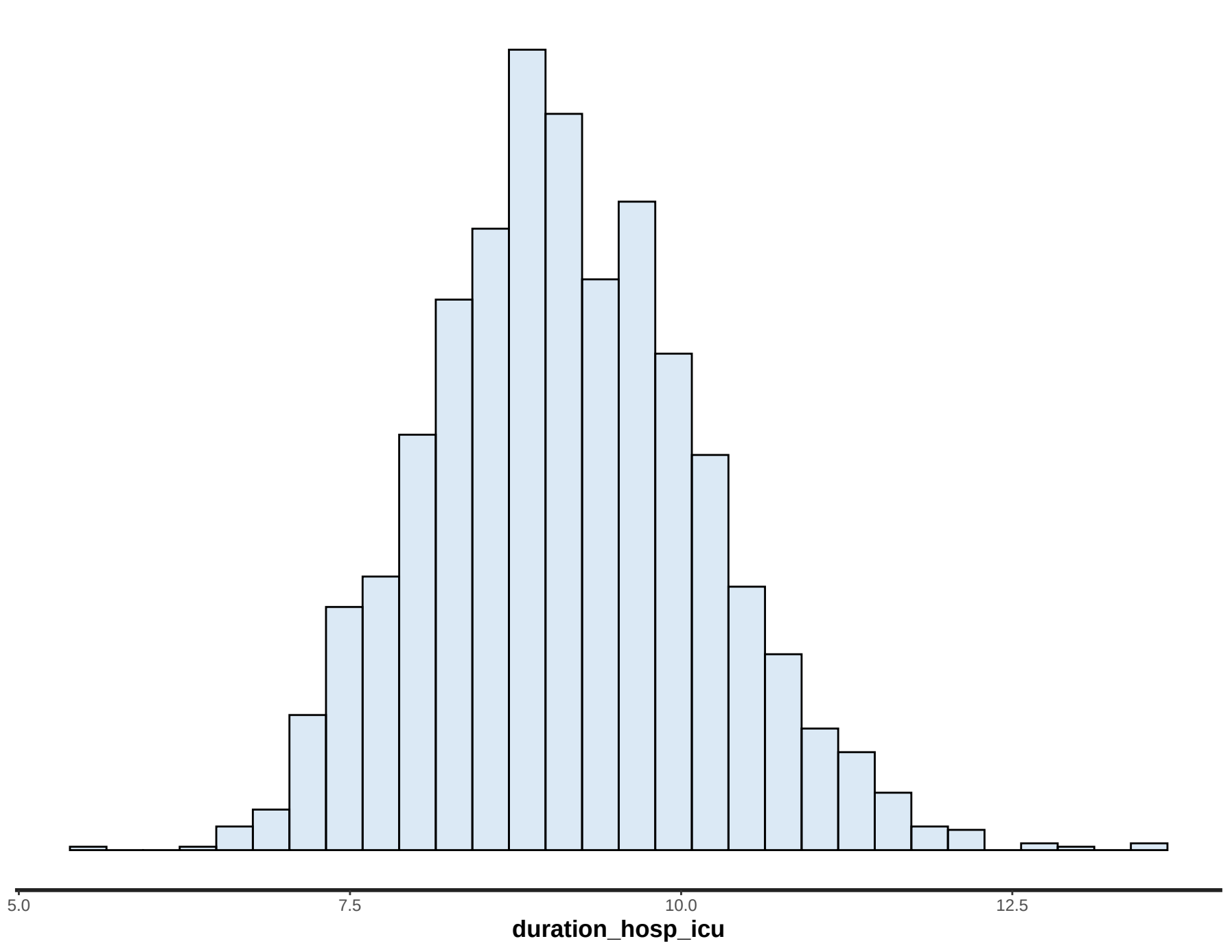

1.0
1.5
2.0
2.5
3.0
3.5
r0

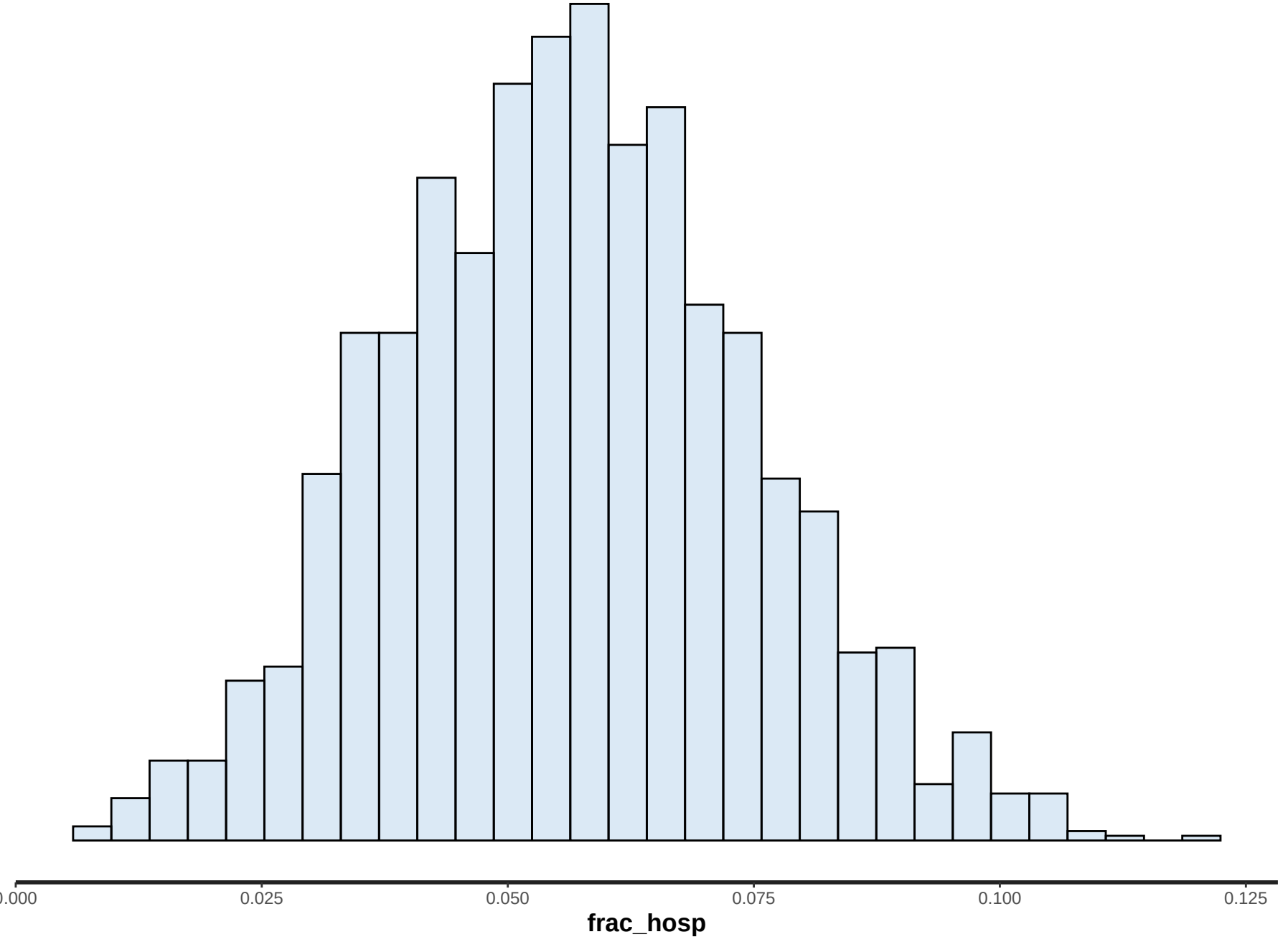

1
2
3
4
5
duration_latent

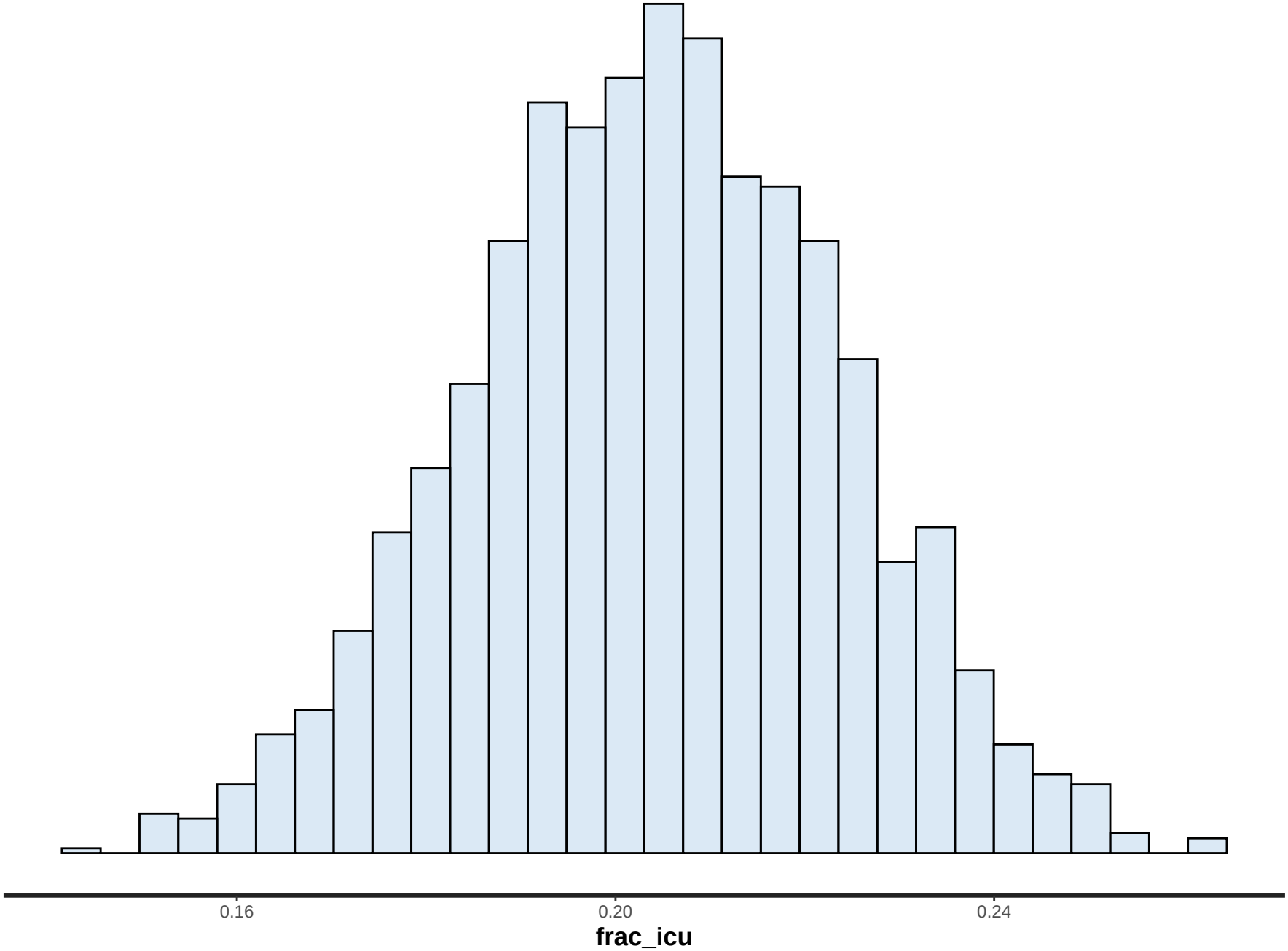

2
4
6
8
duration_rec_mild

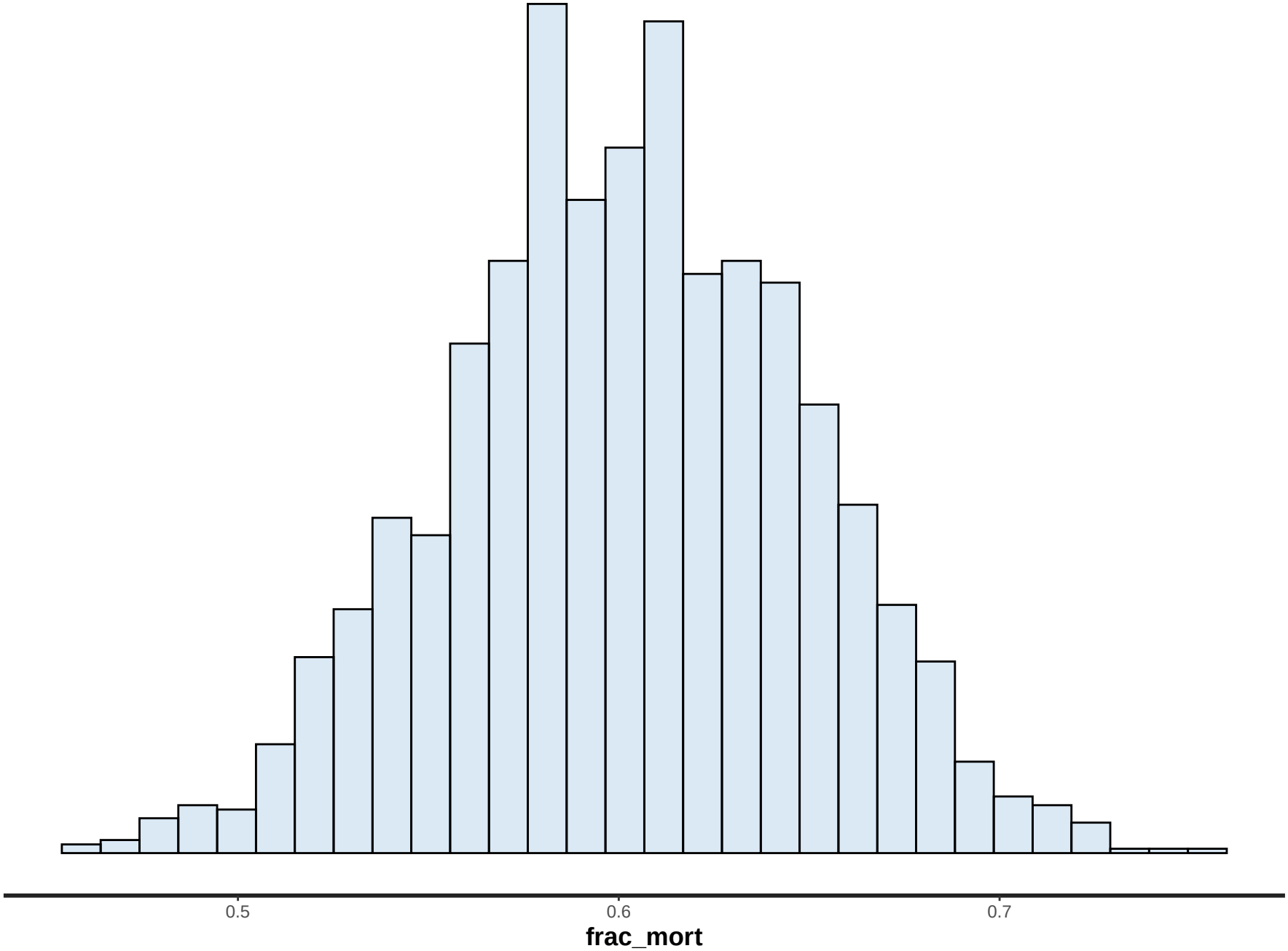

3
6
9
12
duration_pre_hosp

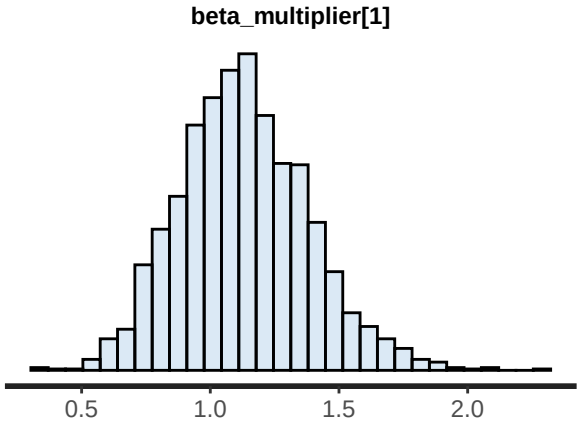

4
6
8
duration_hosp_mod


5.0
7.5
10.0
12.5
duration_hosp_icu


0.000
0.025
0.050
0.075
0.100
0.125
frac_hosp


0.16
0.20
0.24
frac_icu


0.5
0.6
0.7
frac_mort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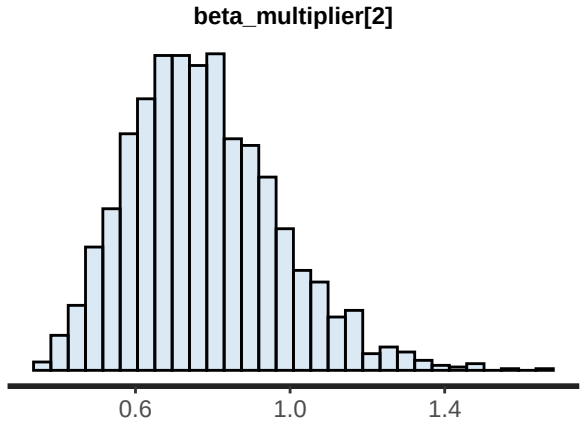
1.0
1.5
2.0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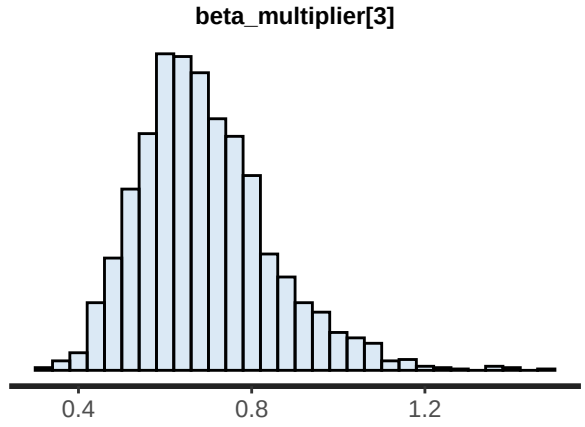
1.0
1.4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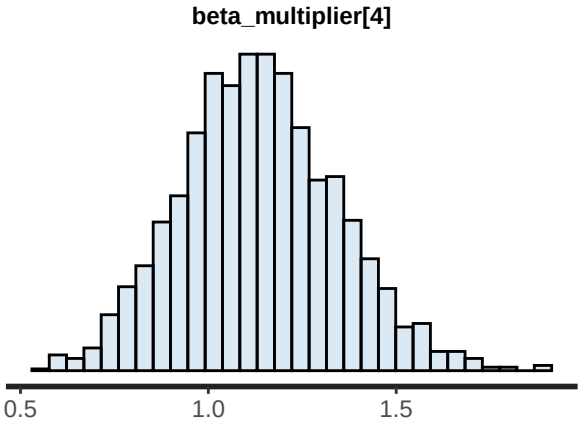
0.8
1.2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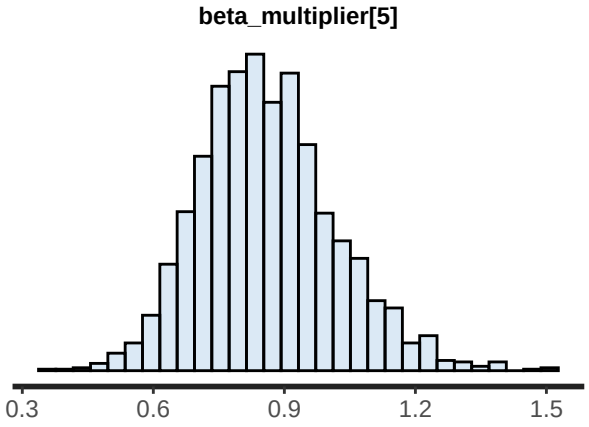
0.5
1.0
1.5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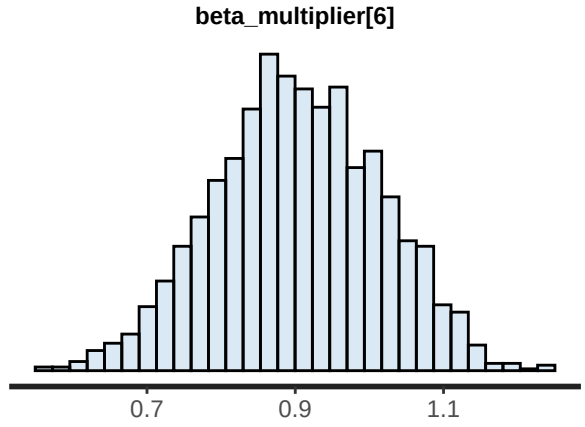
0.6
0.9
1.2
1.5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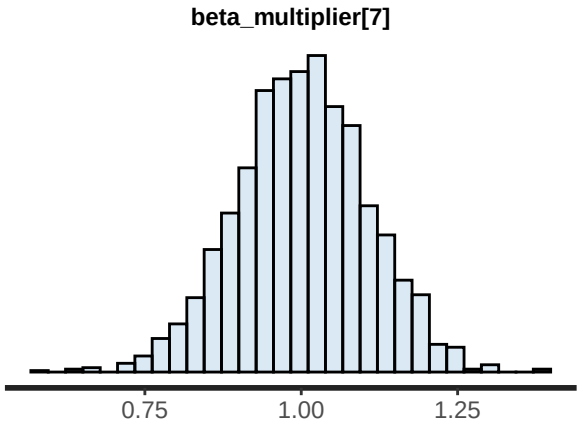
0.9
1.1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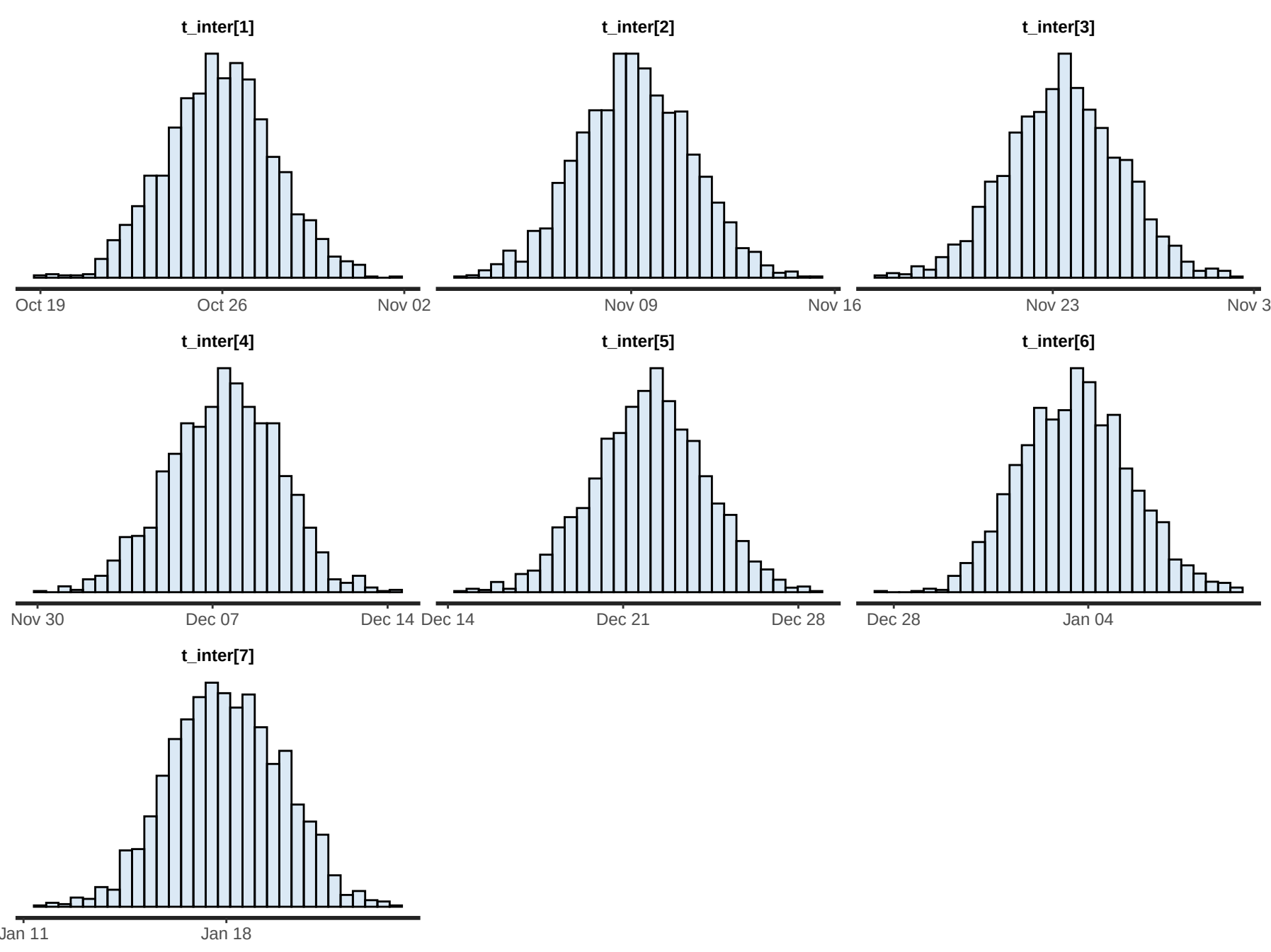
1.25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Oct 19
Oct 26
Nov 02
t_inter[2]
Nov 09
Nov 16
t_inter[3]
Nov 23
Nov 3
t_inter[4]
Nov 30
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Dec 14
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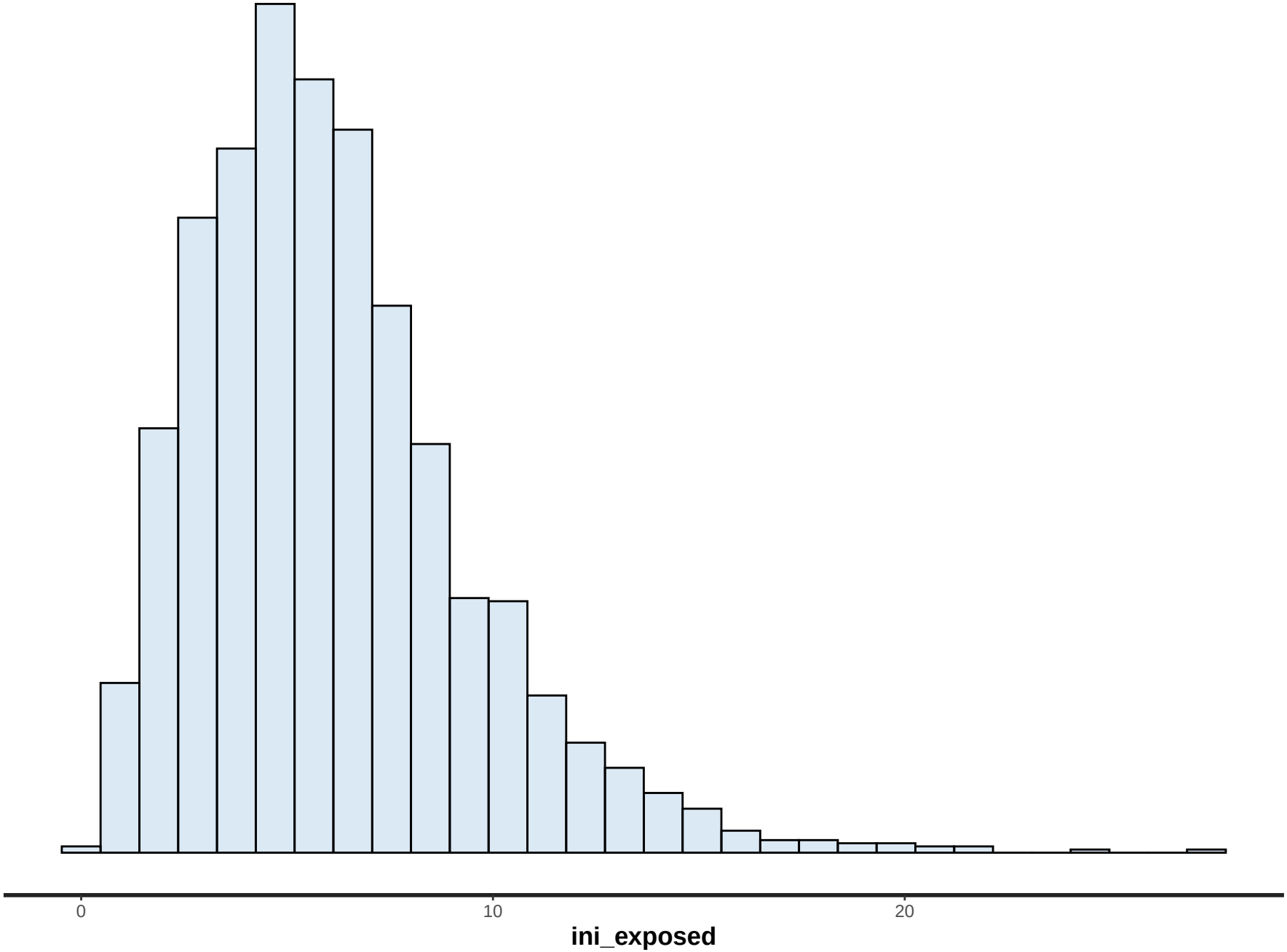
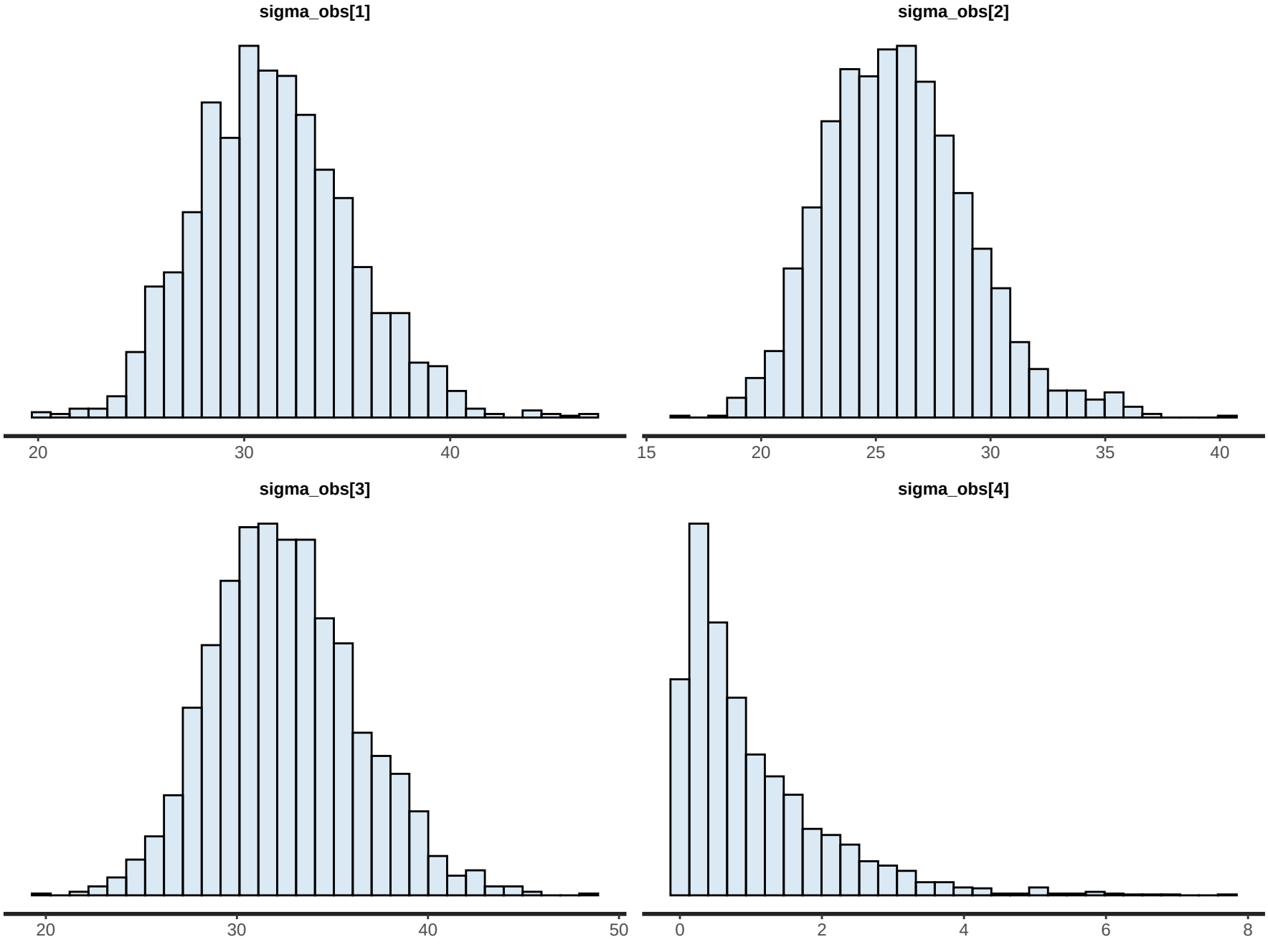
Dec 14
Dec 21
Dec 28
t_inter[6]
Dec 28
Jan 04
t_inter[7]
Jan 11
Jan 18


0
10
20
ini_exposed


sigma_obs[1]
20
30
40
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25
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35
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sigma_obs[3]
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30
40
50
sigma_obs[4]
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2
4
6
8