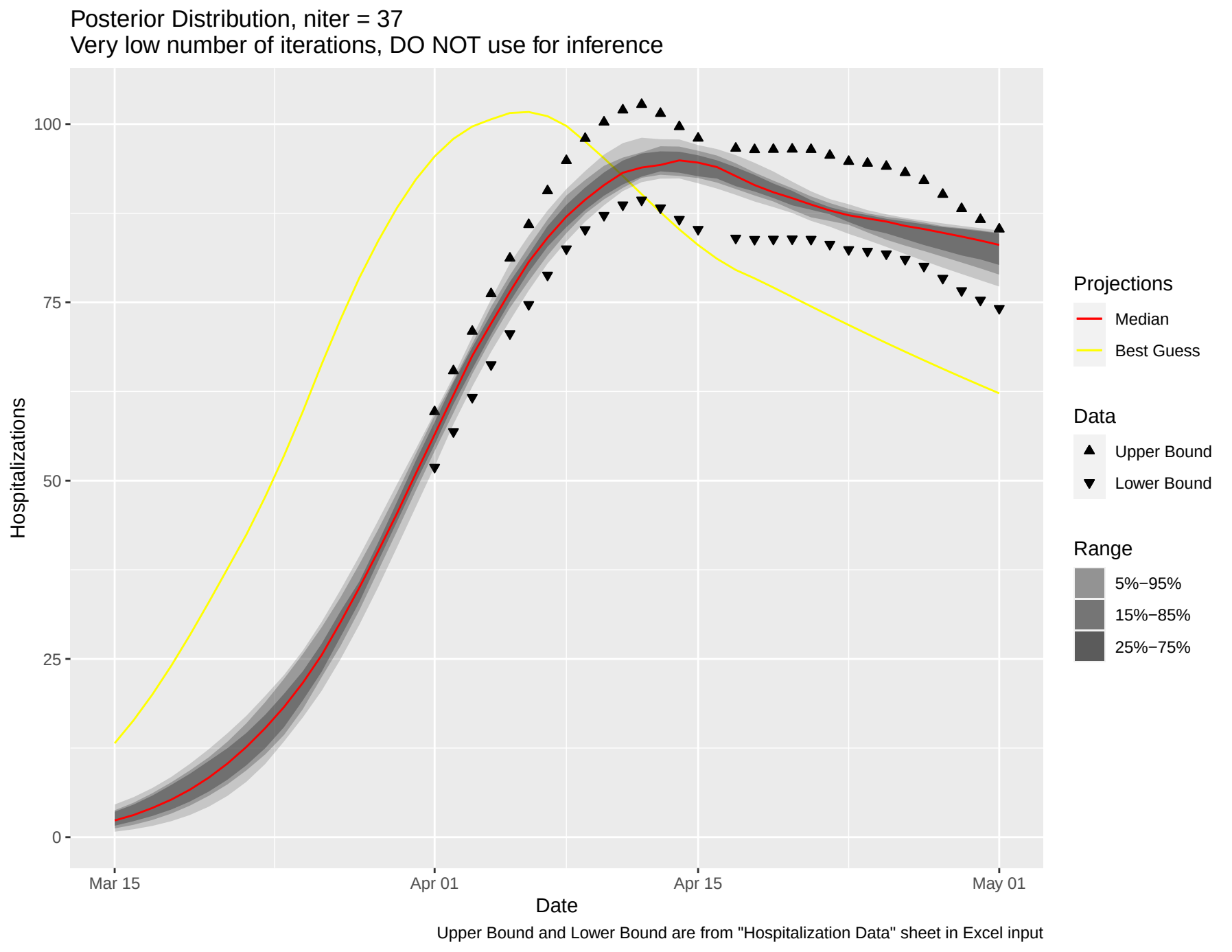
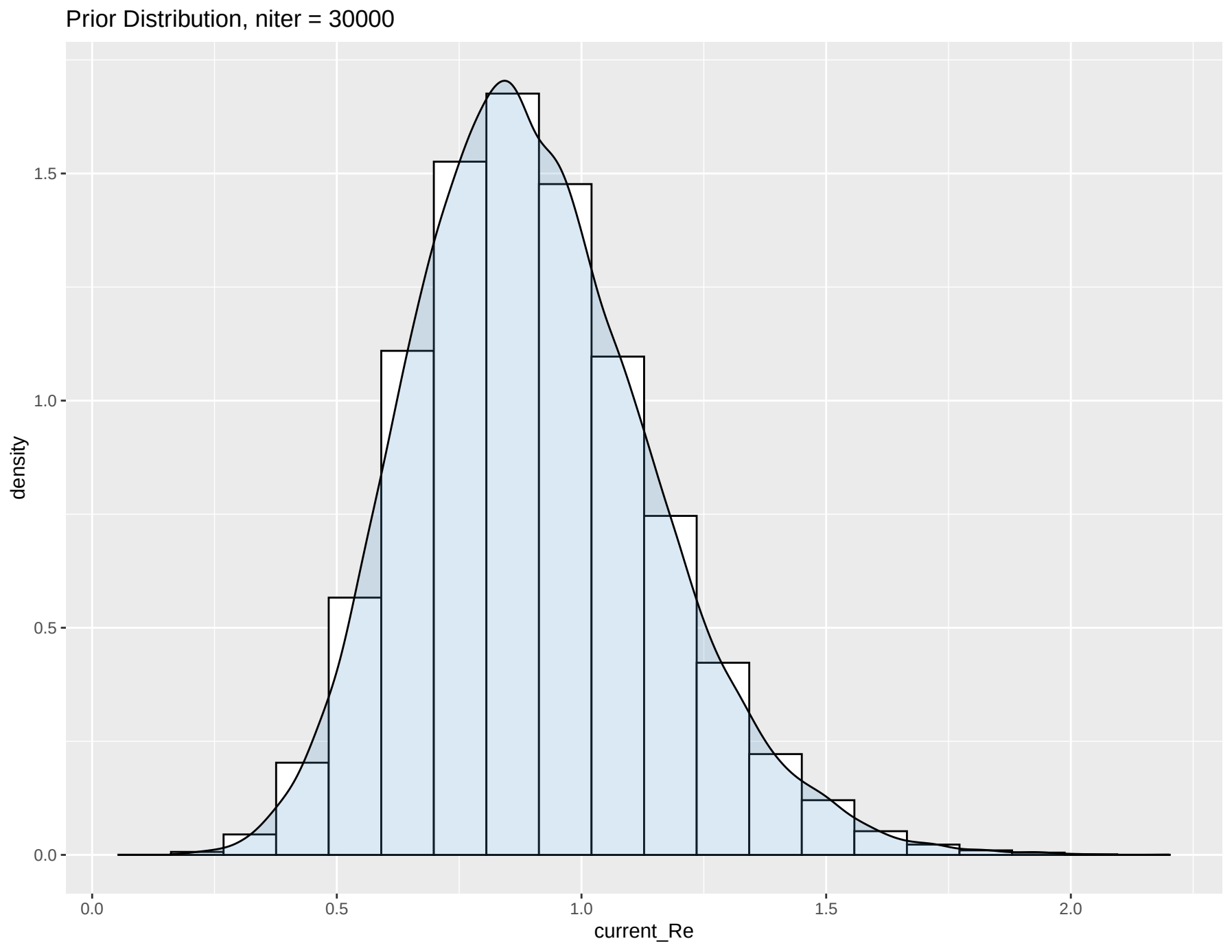
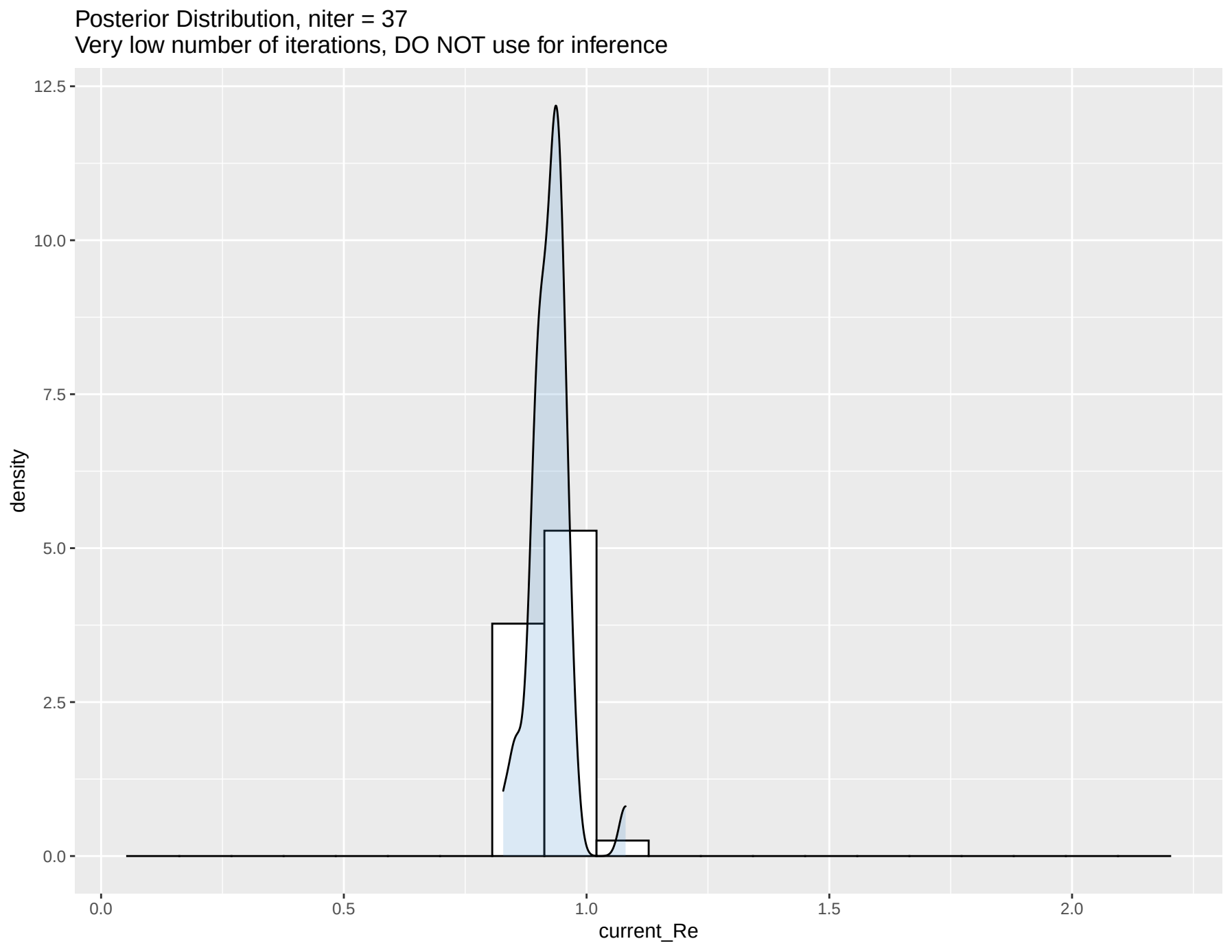
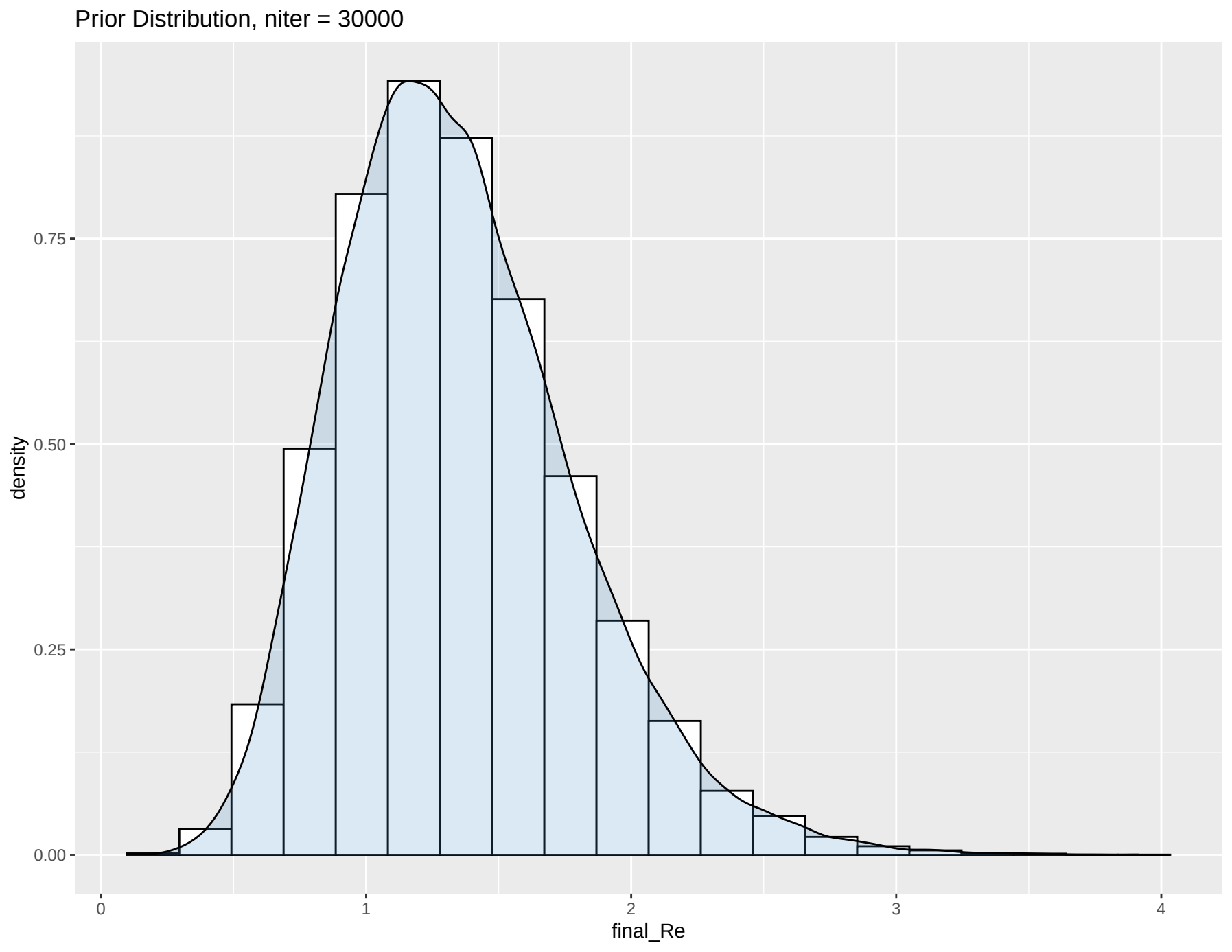
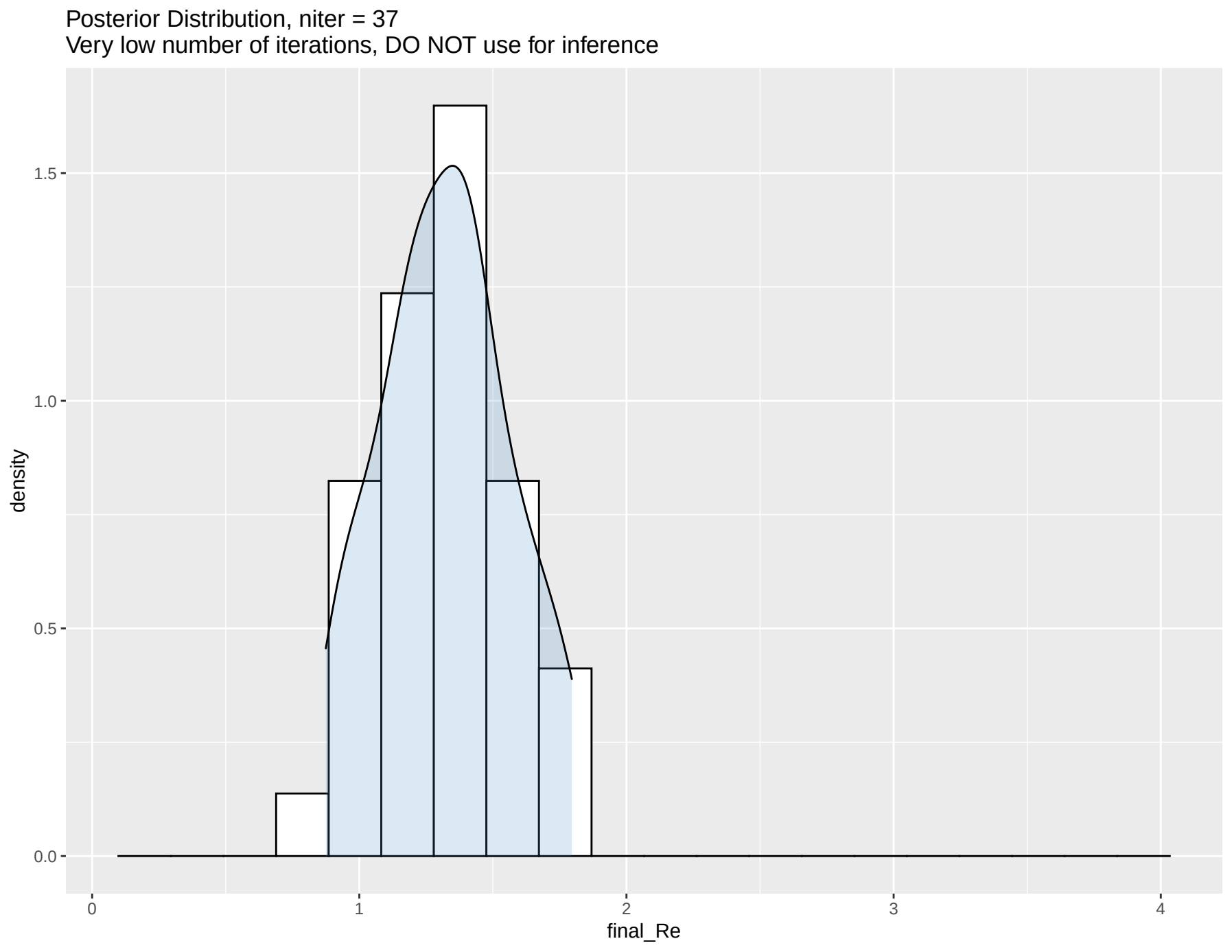
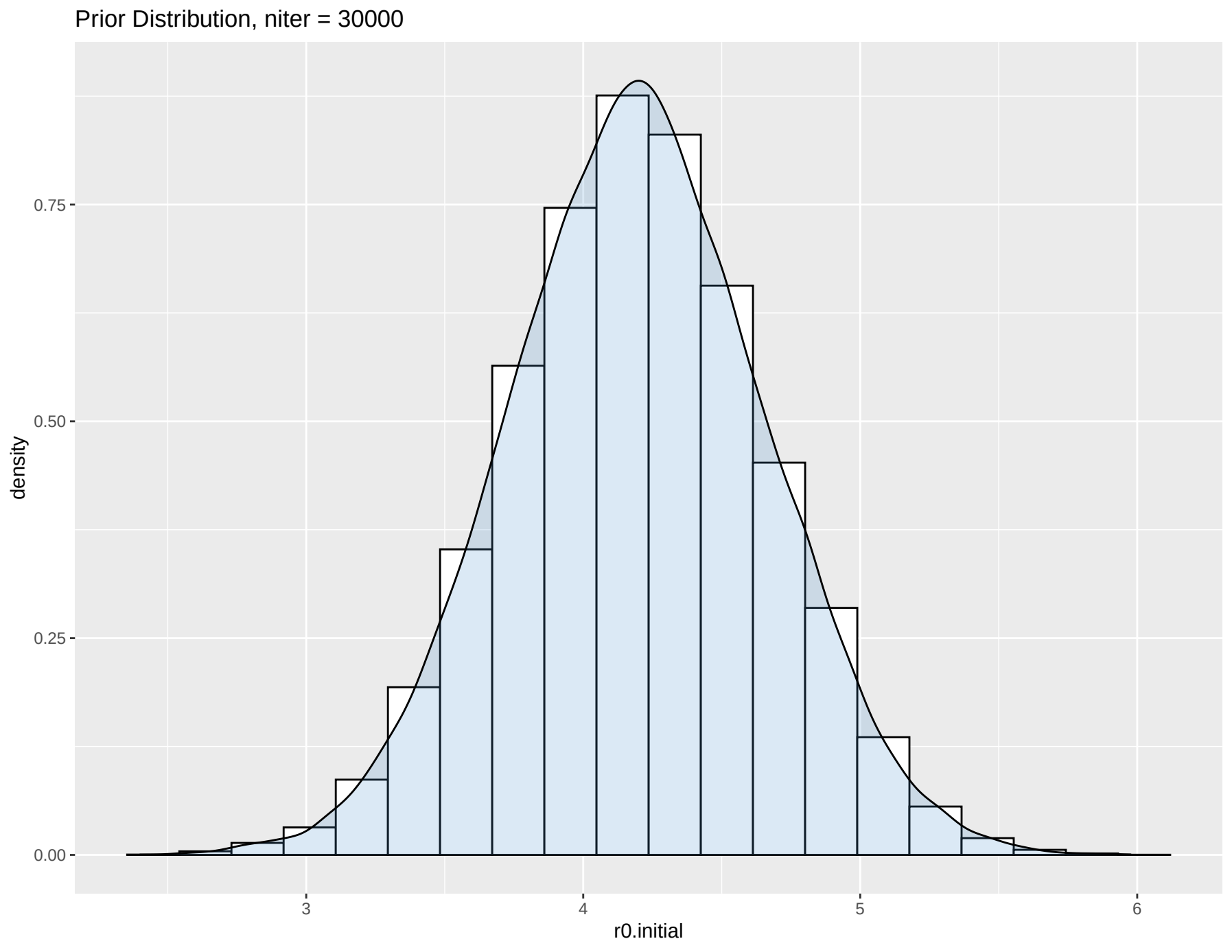

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
Hospitalizations
100
75
50
25
0
Mar 15
Apr 01
Apr 15
May 01
Date
Upper Bound and Lower Bound are from "Hospitalization Data" sheet in Excel input
Projections
Median
Best Guess
Data
Upper Bound
Lower Bound
Range
5%−95%
15%−85%
25%−75%

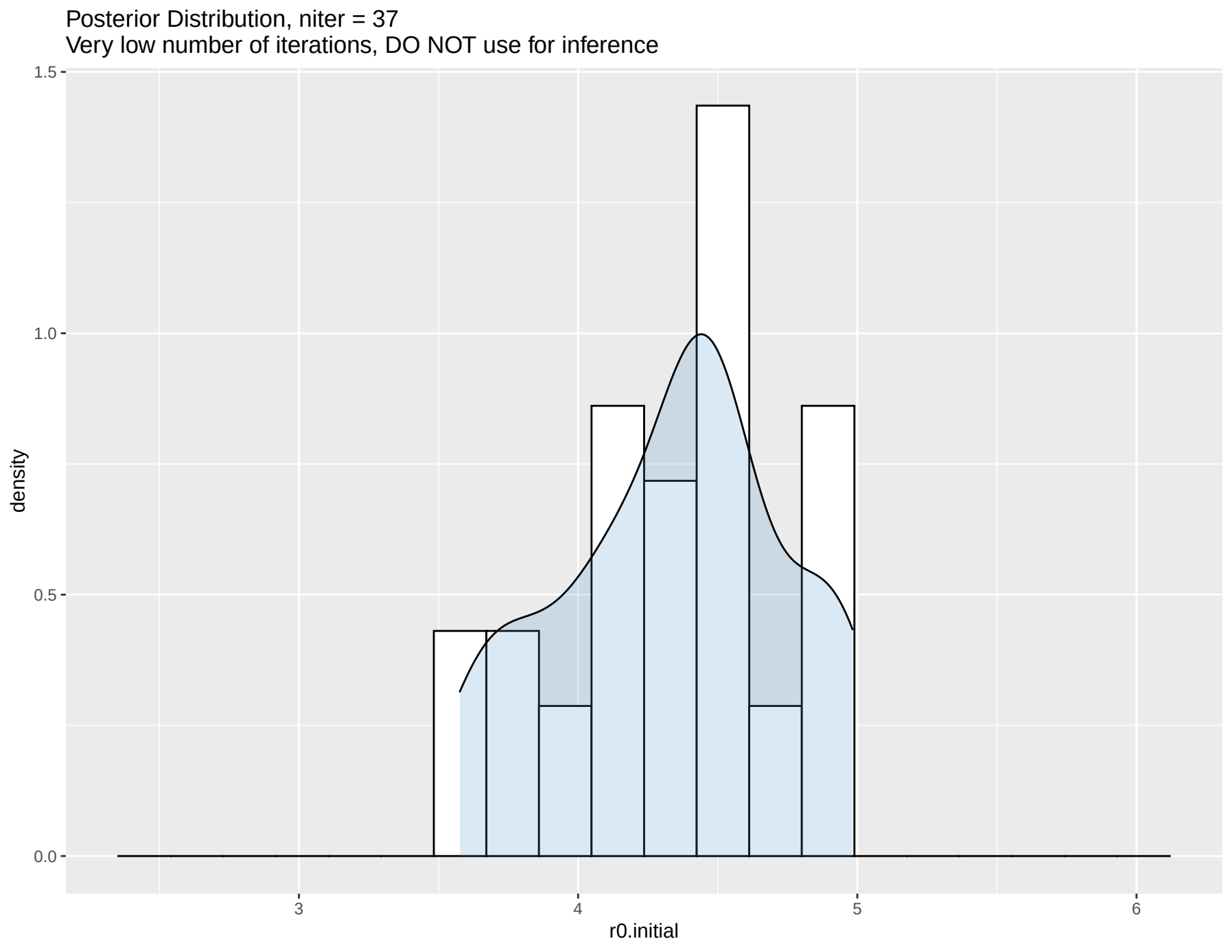

Prior Distribution, niter = 30000
density
current_Re
0.0
0.5
1.0
1.5
2.0

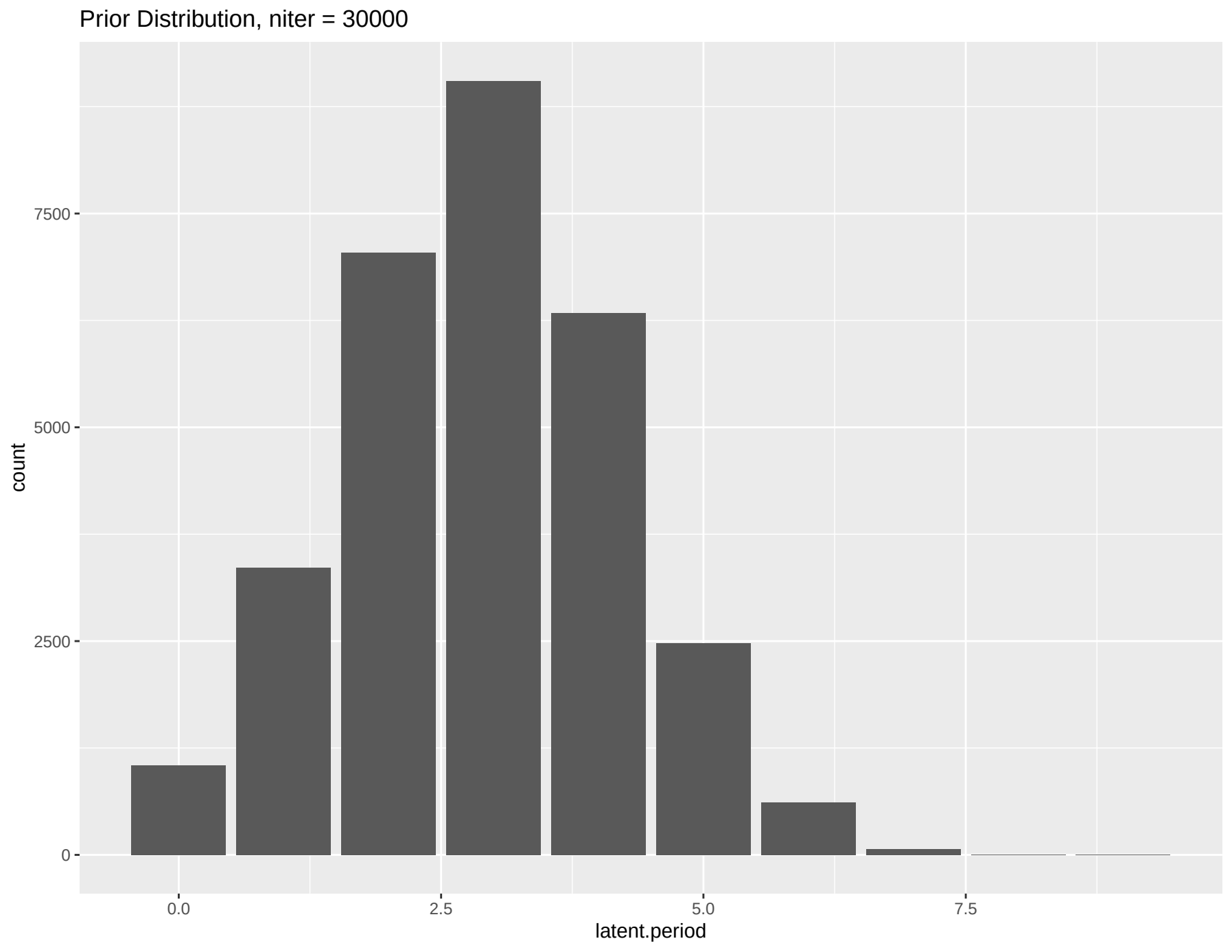

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
12.5
10.0
7.5
5.0
2.5
0.0
density
0.0
0.5
1.0
1.5
2.0
current_Re

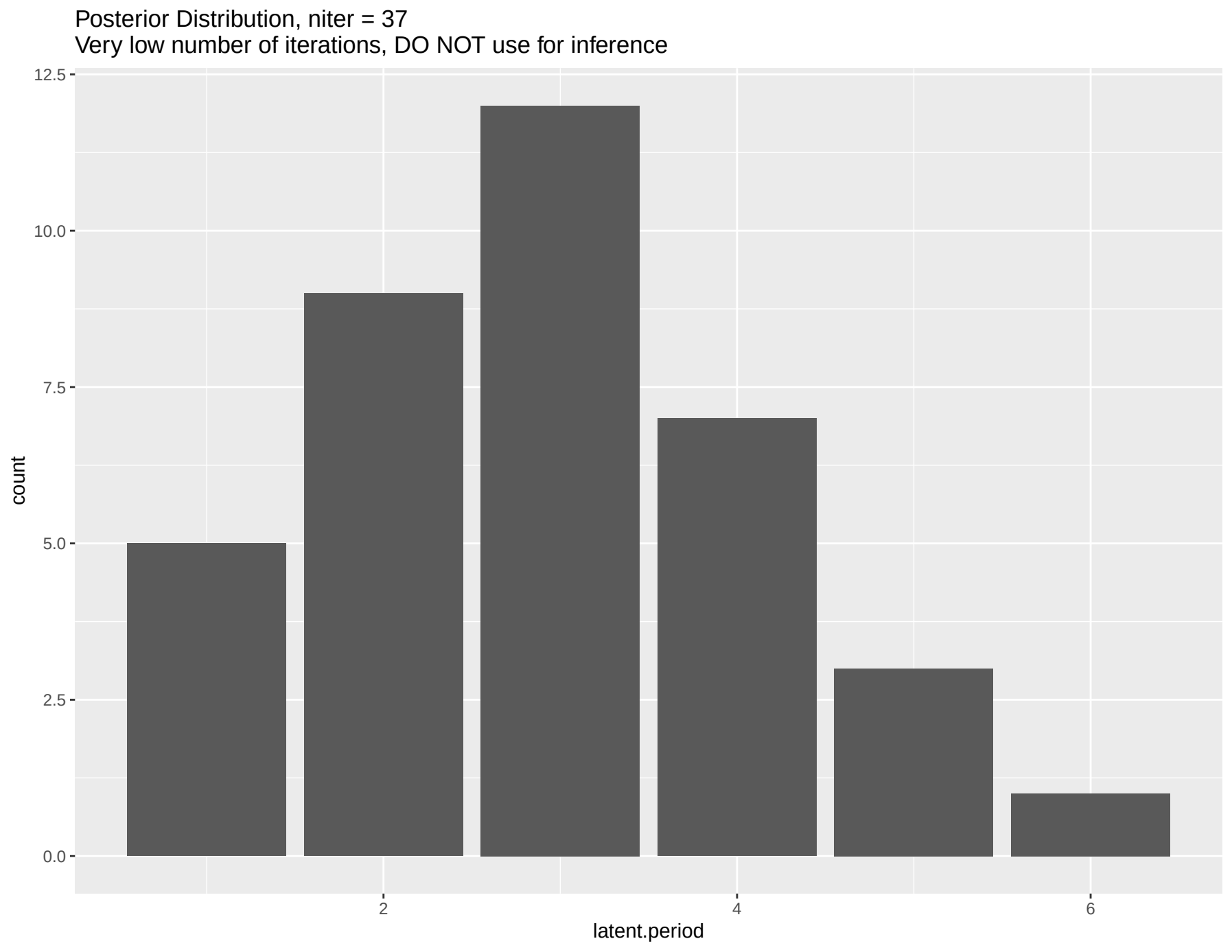

Prior Distribution, niter = 30000
density
0.00
0.25
0.50
0.75
0
1
2
3
4
final_Re

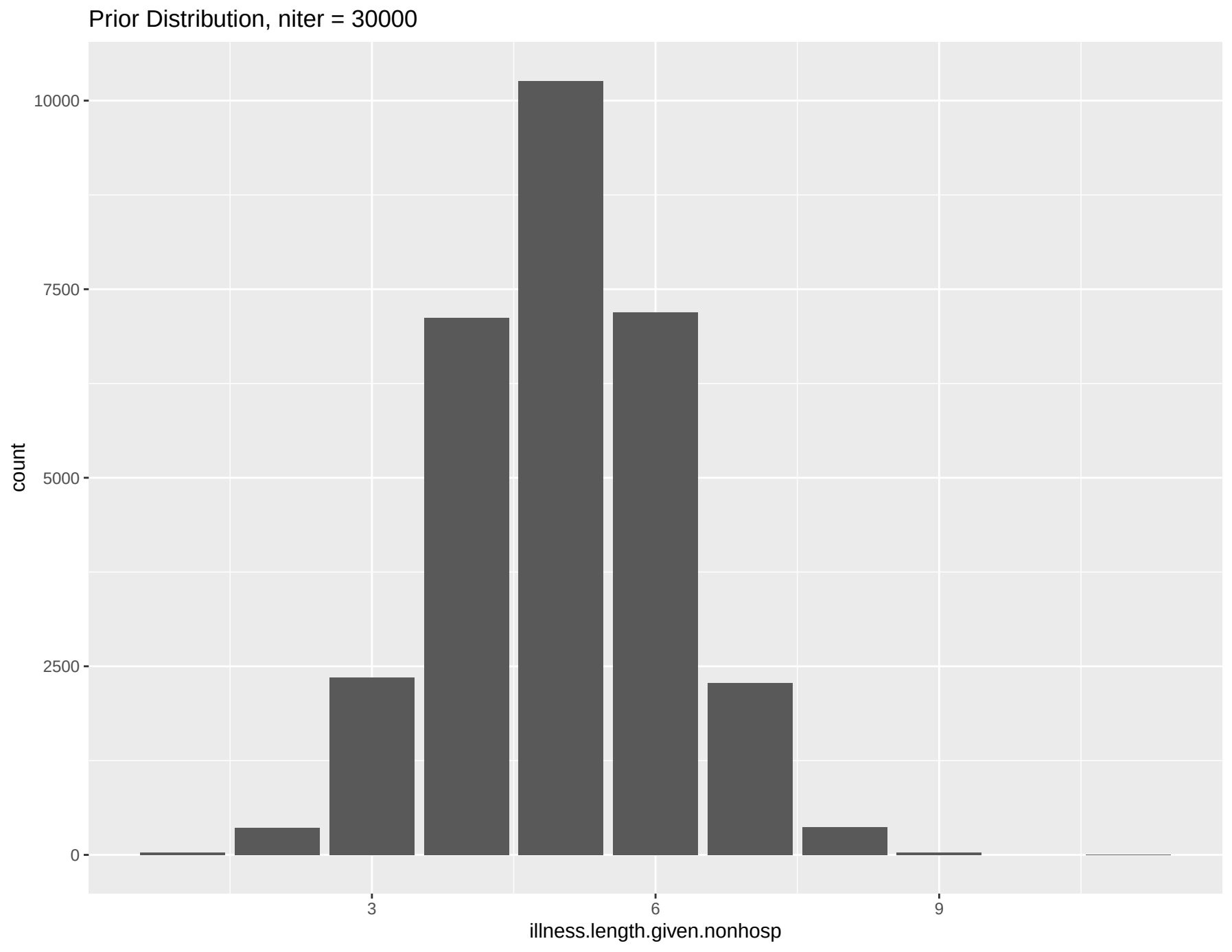

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
density
1.5
1.0
0.5
0.0
0
1
2
3
4
final_Re

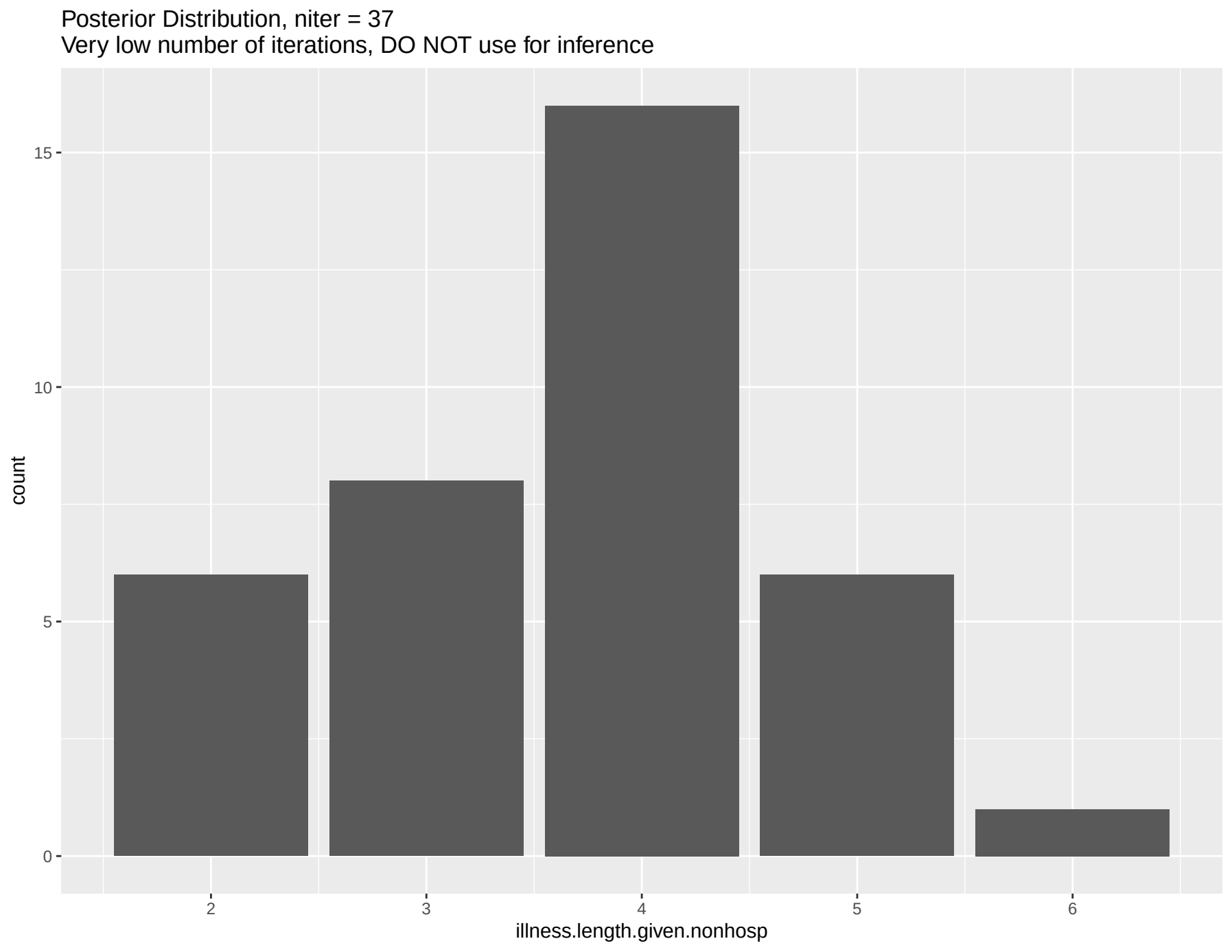

Prior Distribution, niter = 30000
density
0.00
0.25
0.50
0.75
3
4
5
6
r0.initial

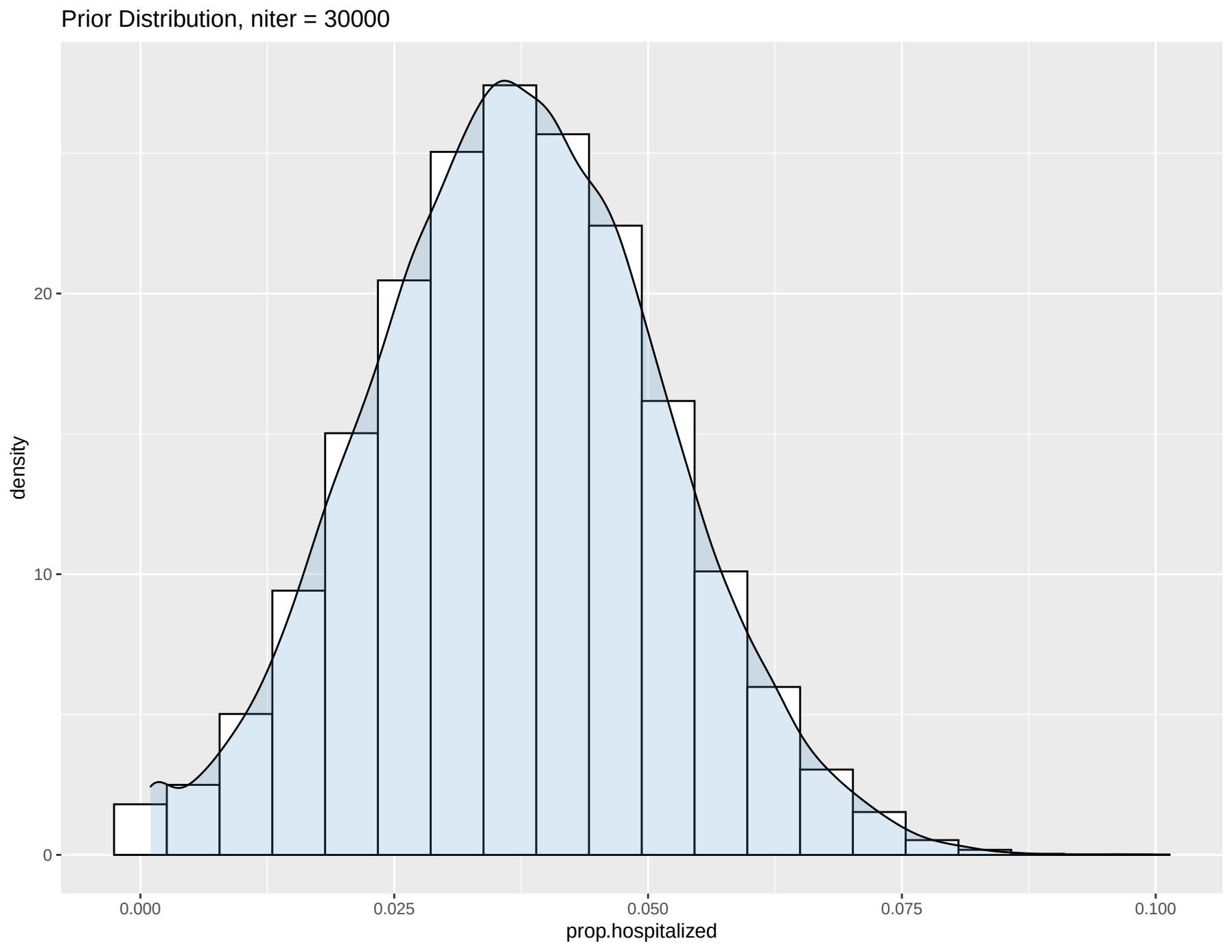

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
1.5
1.0
0.5
0.0
density
3
4
5
6
r0.initial

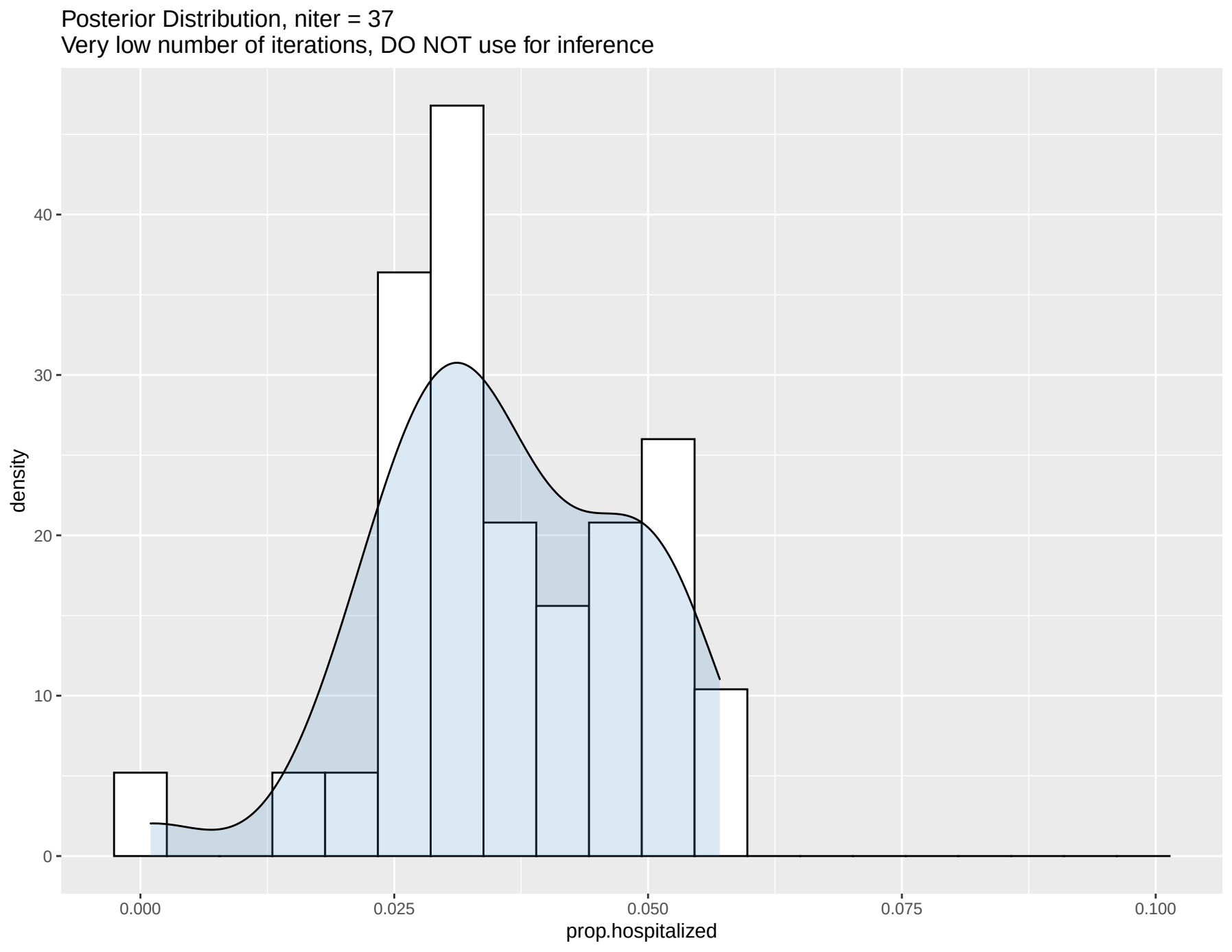

Prior Distribution, niter = 30000
count
7500
5000
2500
0
0.0
2.5
5.0
7.5
latent.period

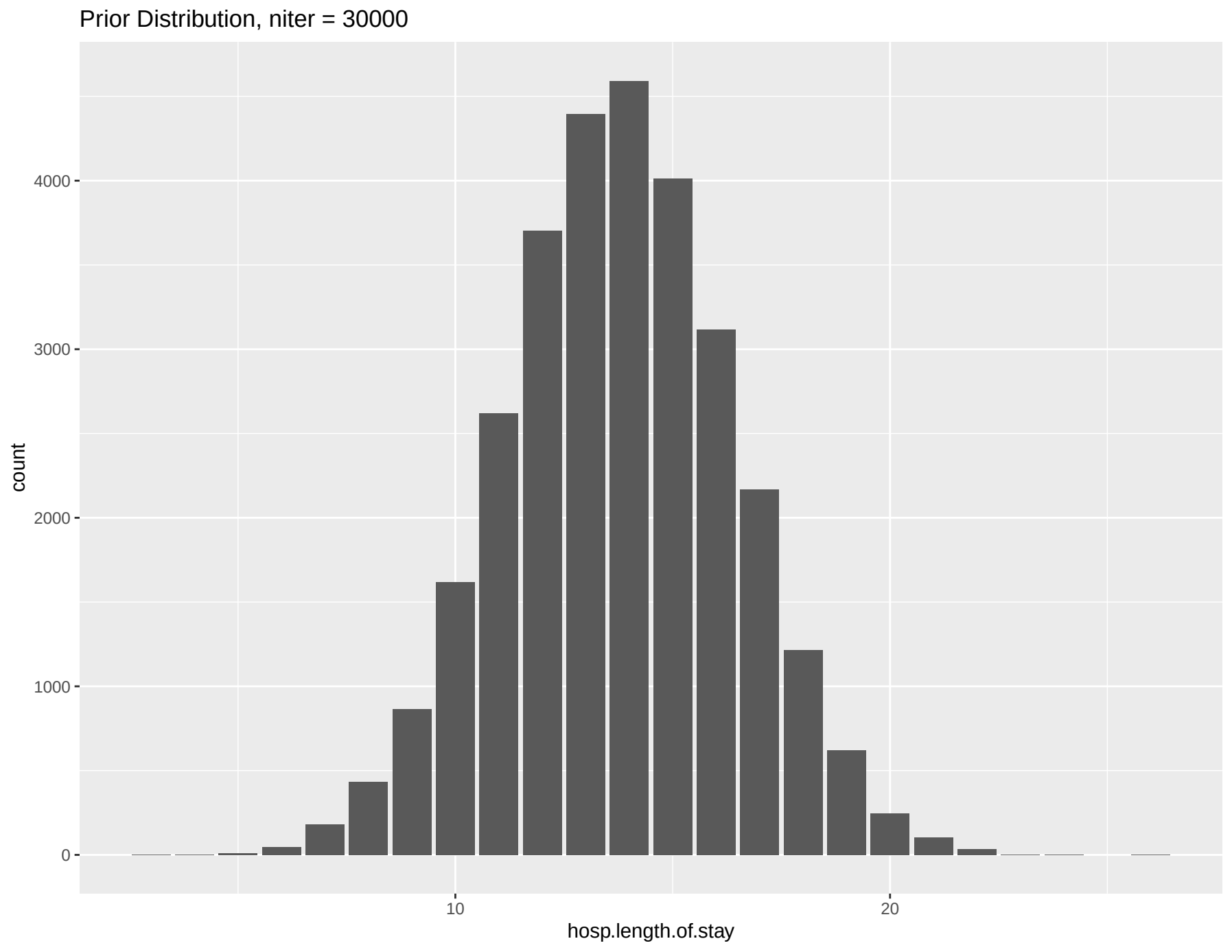

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
12.5
10.0
7.5
5.0
2.5
0.0
count
2
4
6
latent.period

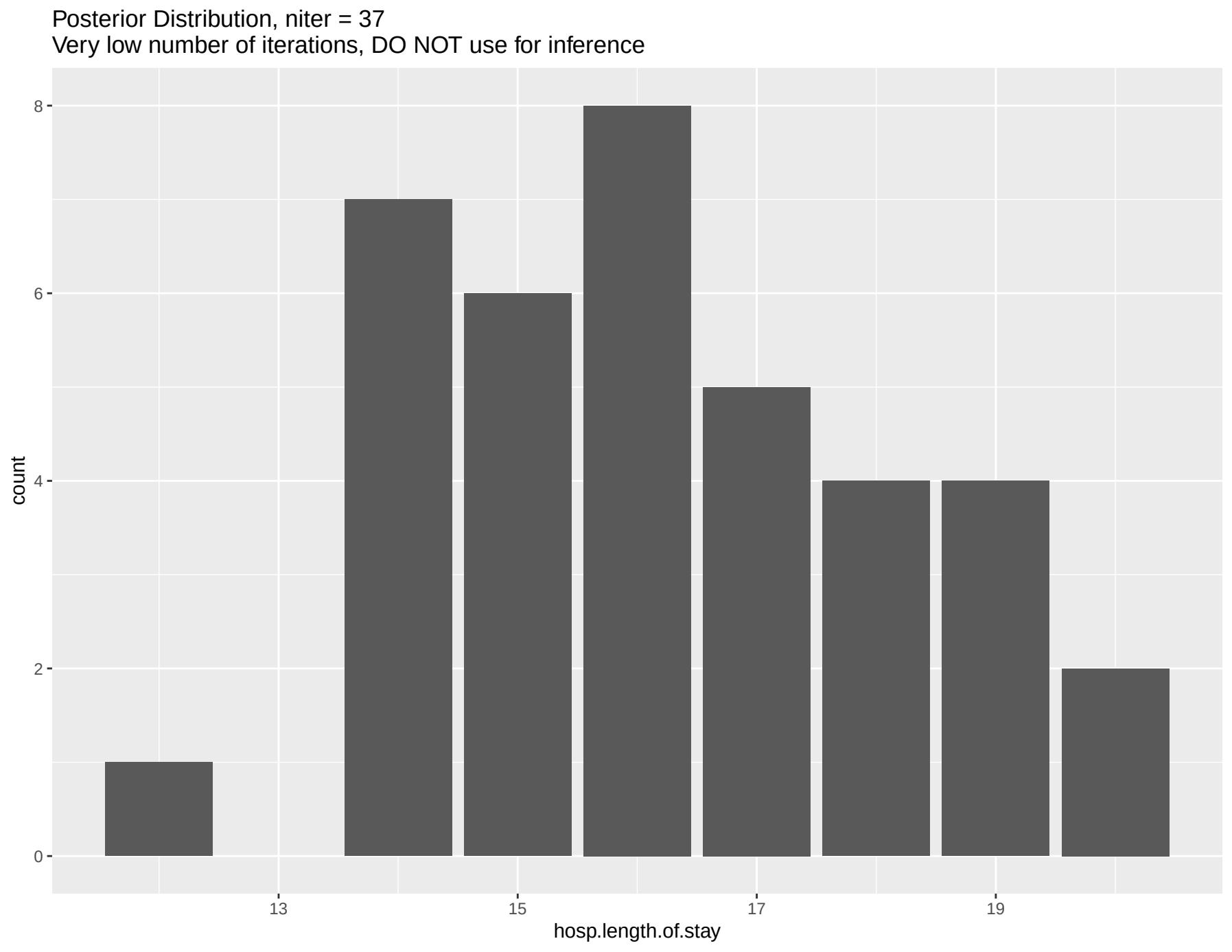

Prior Distribution, niter = 30000
10000
7500
5000
2500
0
count
3
6
9
illness.length.given.nonhosp

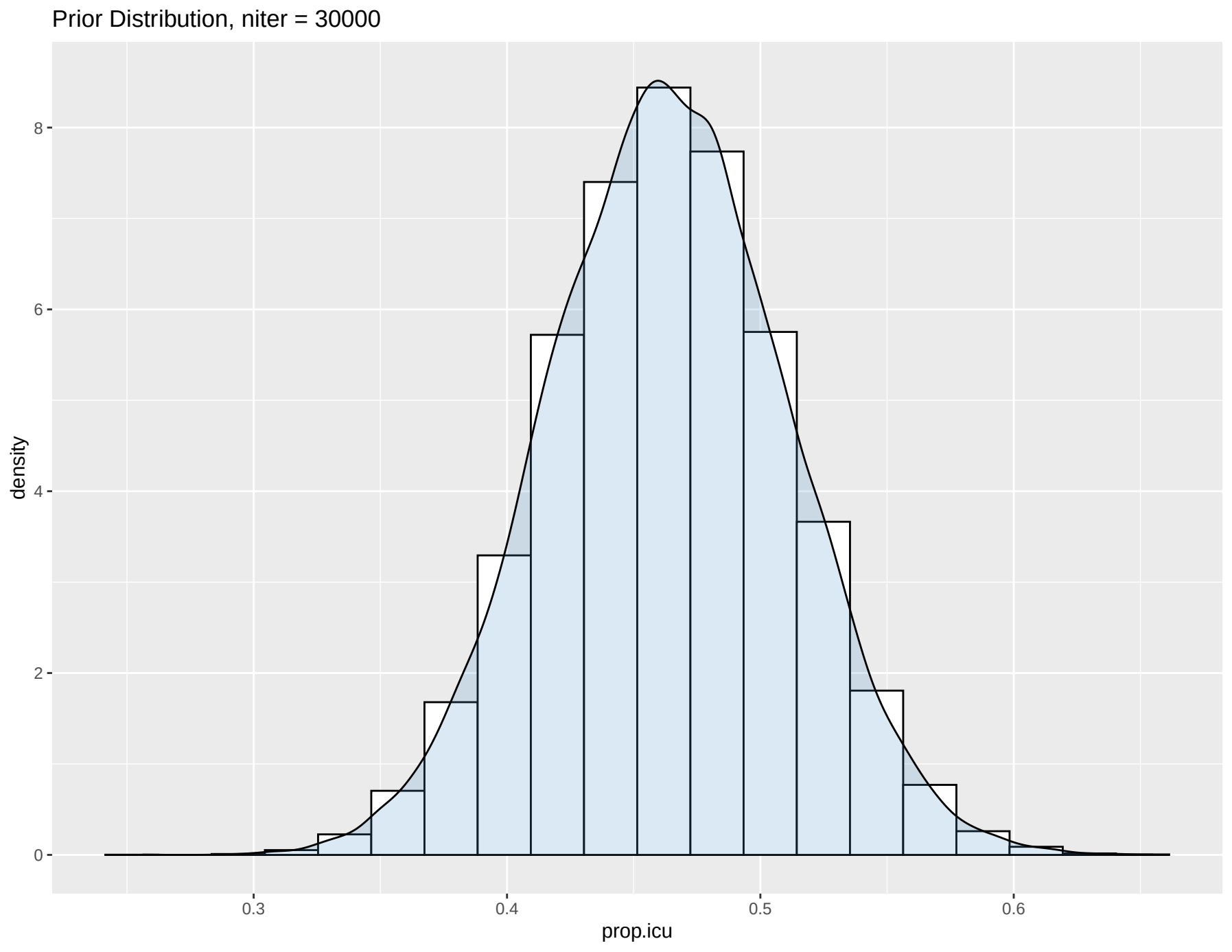

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
15
10
5
0
2
3
4
5
6
illness.length.given.nonhosp

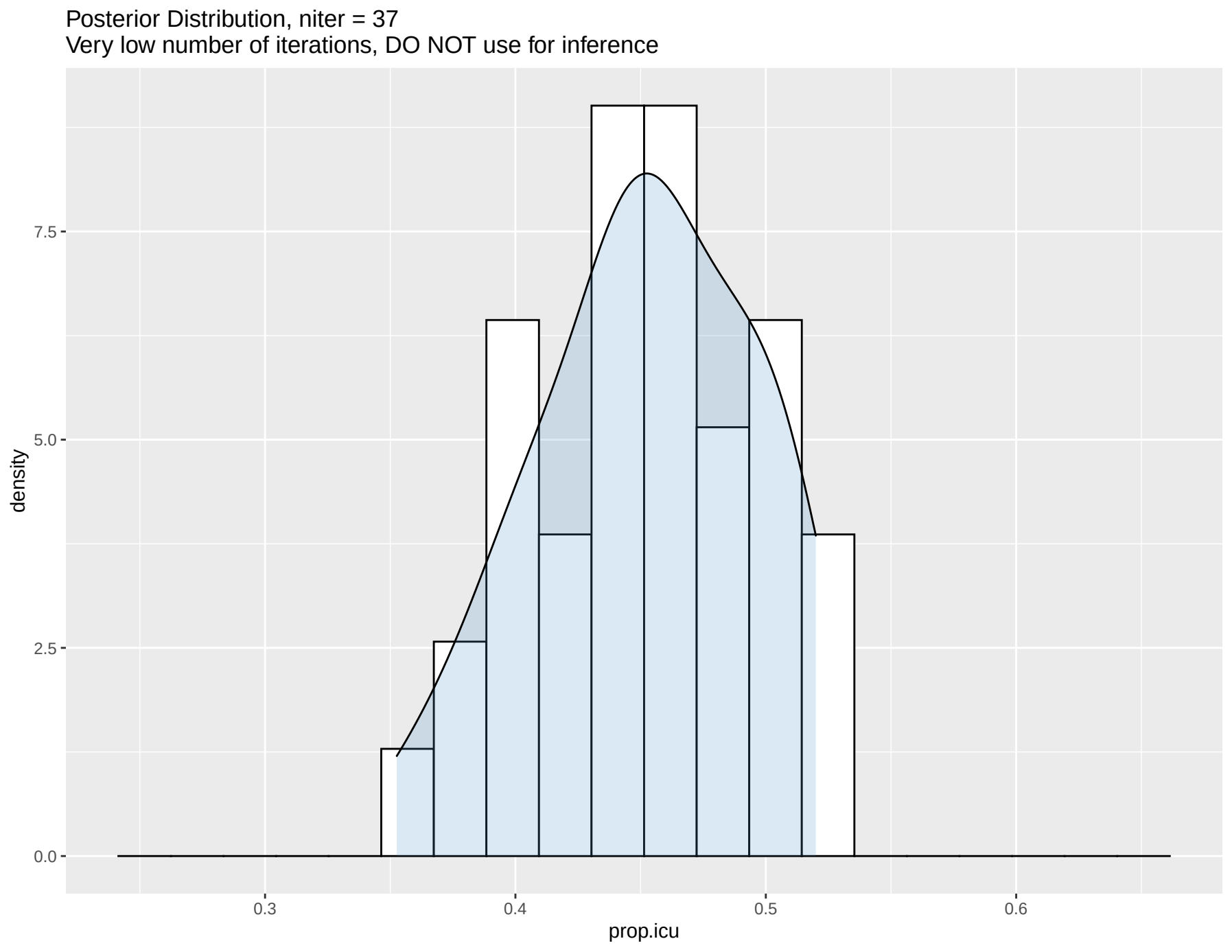

Prior Distribution, niter = 30000
density
20
10
0
0.000
0.025
0.050
0.075
0.100
prop.hospitalized

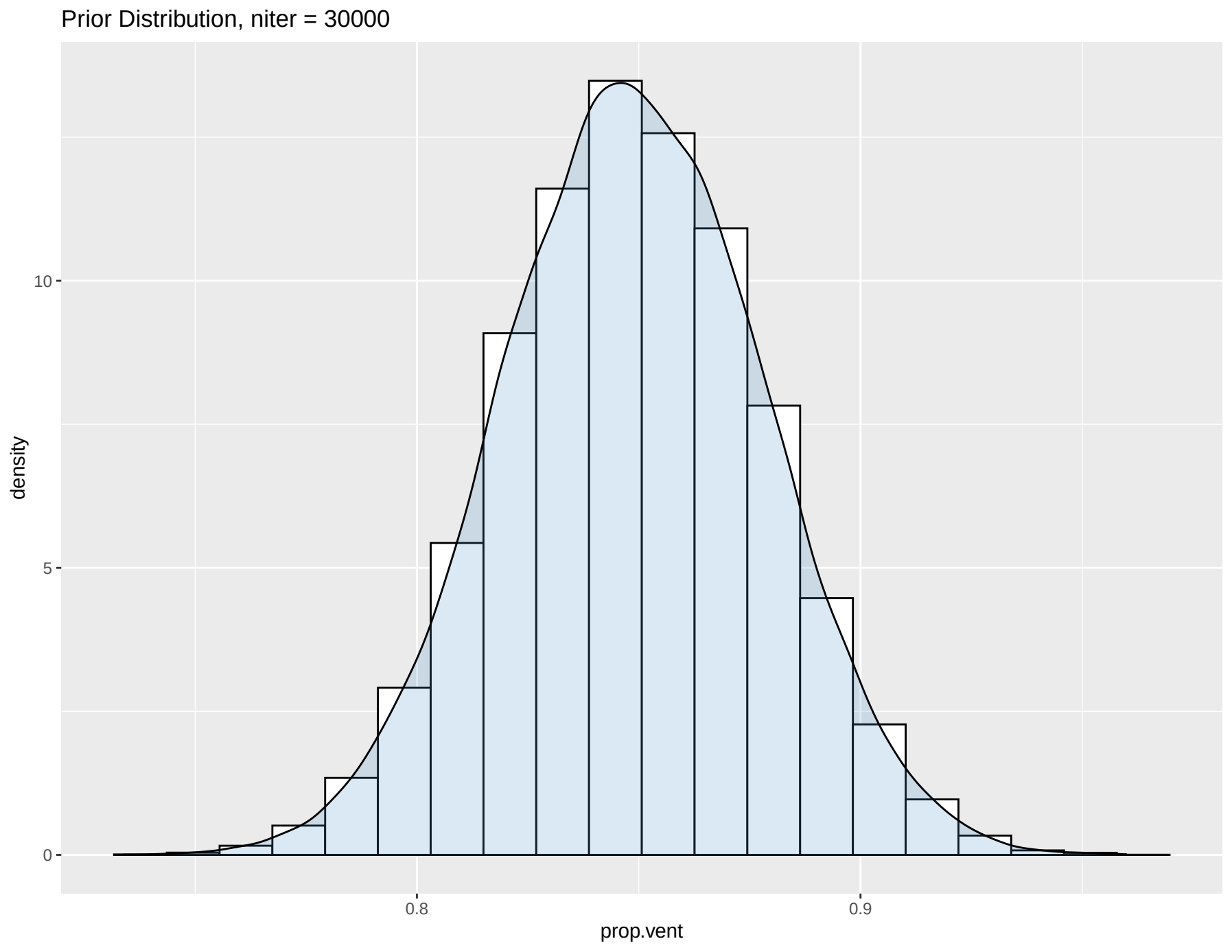

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
density
40
30
20
10
0
0.000
0.025
0.050
0.075
0.100
prop.hospitalized

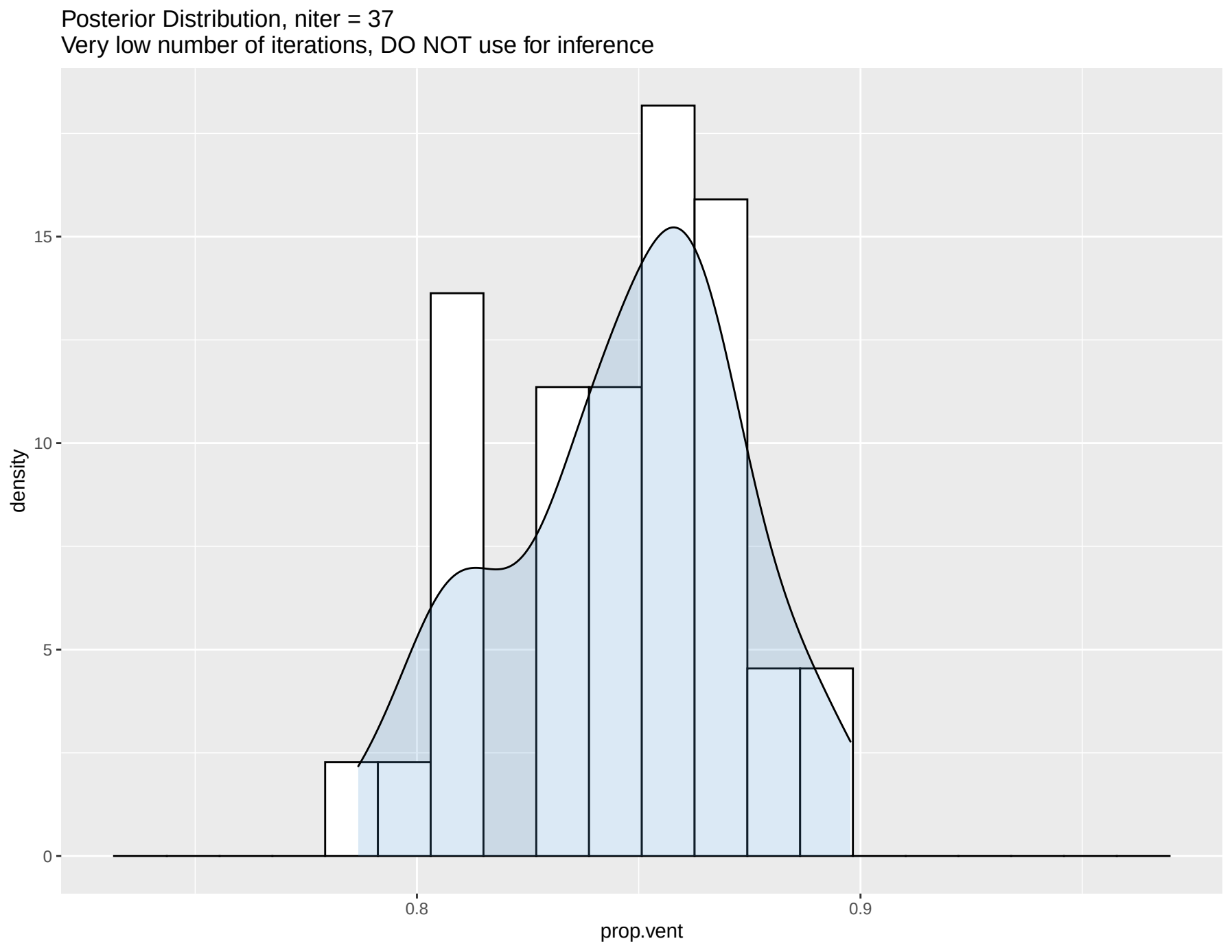

Prior Distribution, niter = 30000
count
4000
3000
2000
1000
0
10
20
hosp.length.of.stay

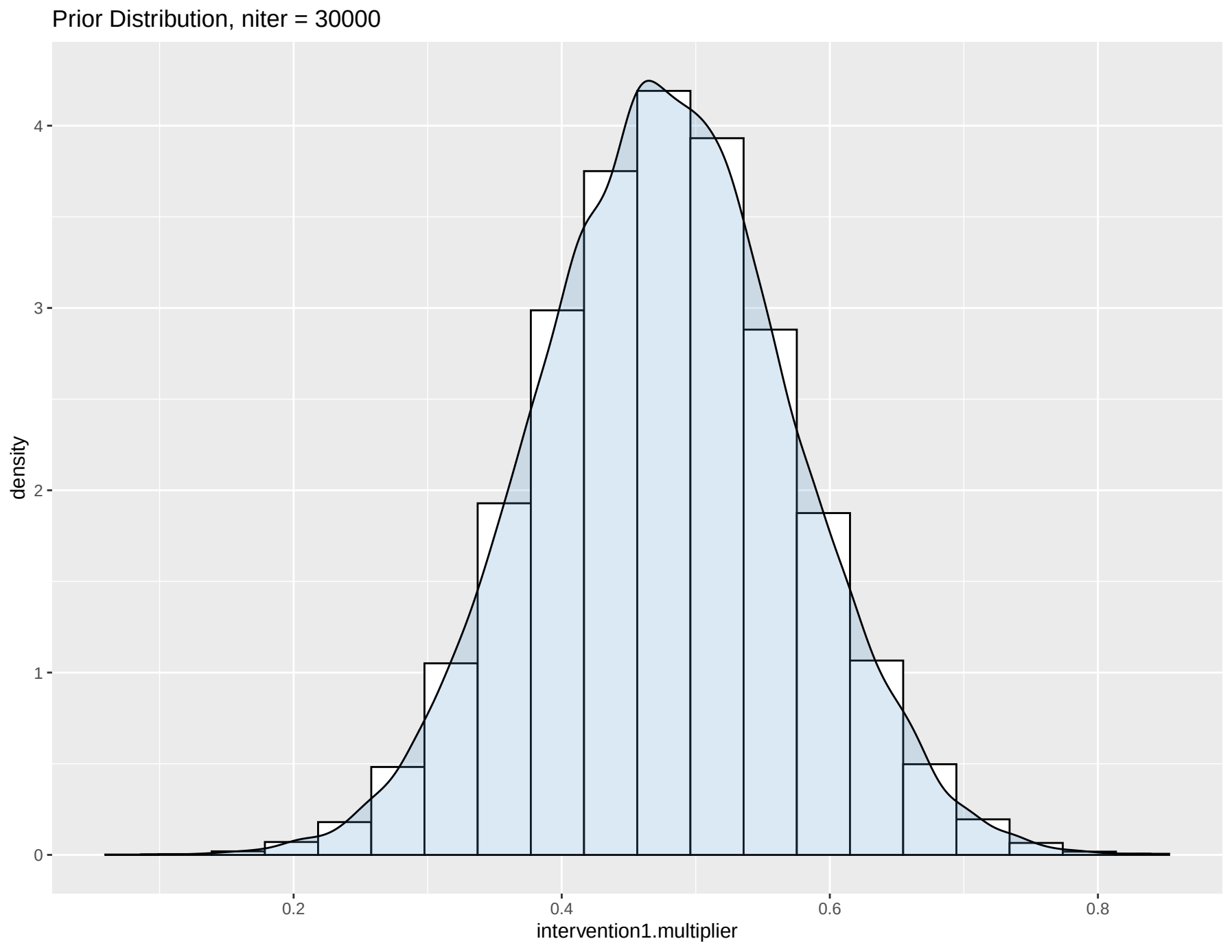

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
0
2
4
6
8
13
15
17
19
hosp.length.of.stay

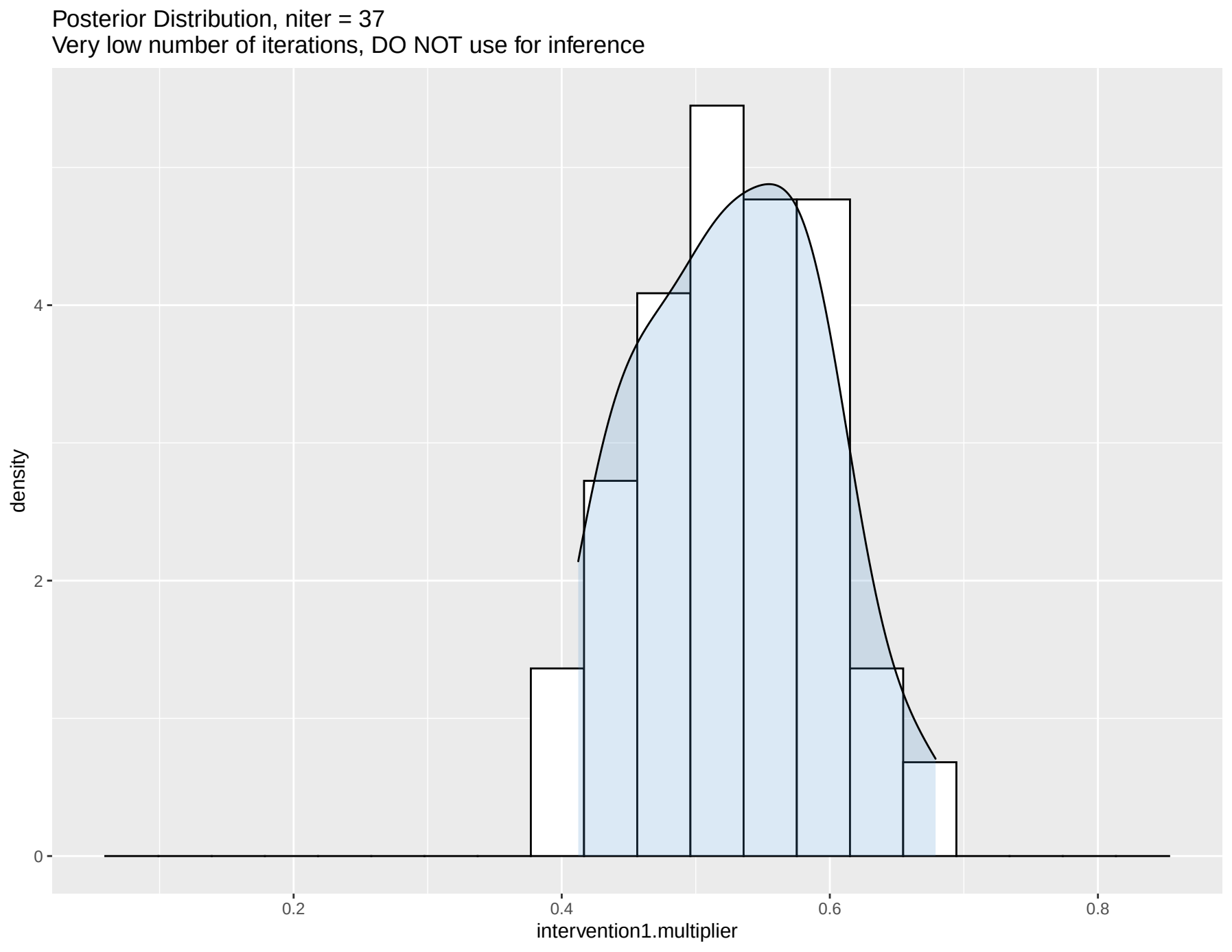

Prior Distribution, niter = 30000
density
prop.icu
0
2
4
6
8
0.3
0.4
0.5
0.6

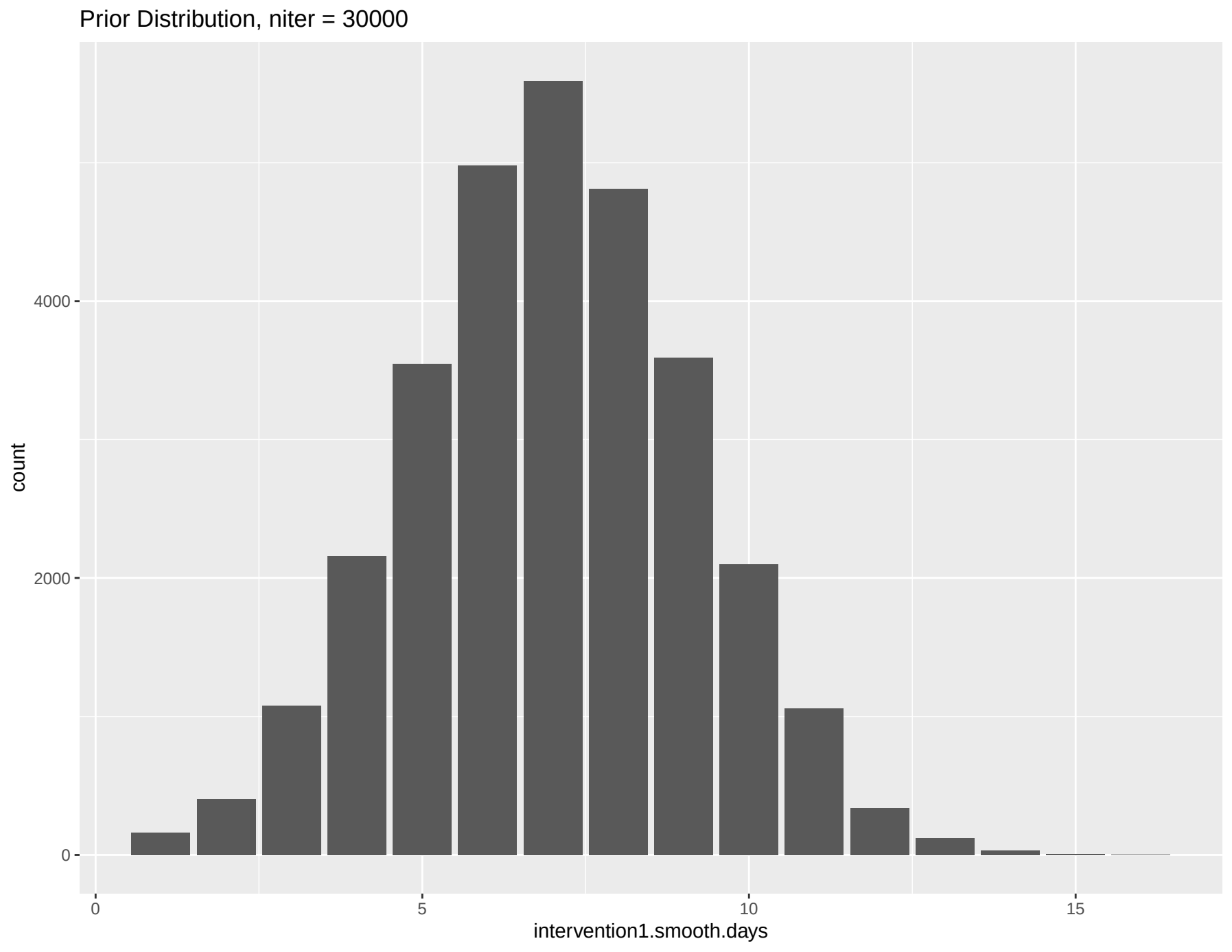

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
density
7.5
5.0
2.5
0.0
0.3
0.4
0.5
0.6
prop.icu

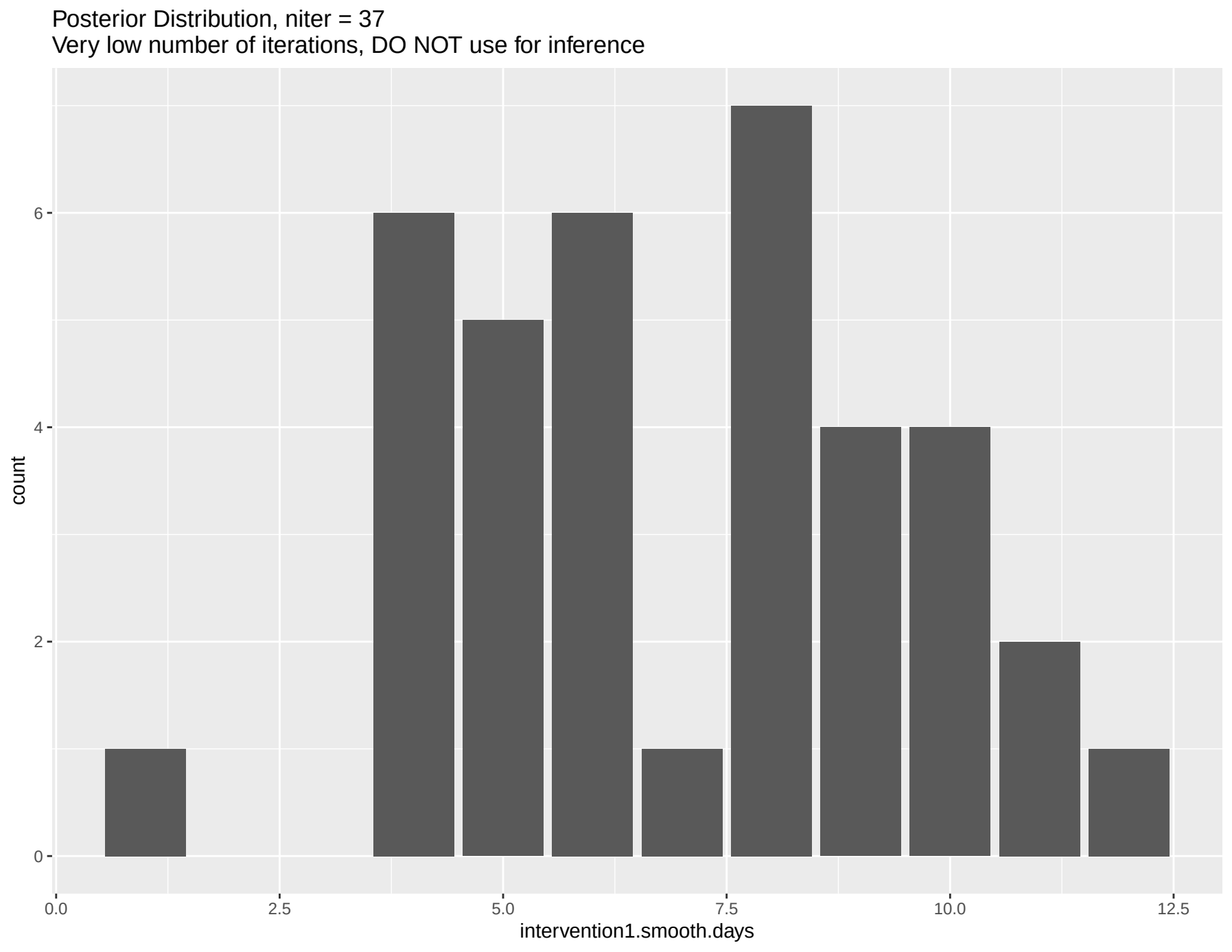

Prior Distribution, niter = 30000
density
10
5
0
0.8
0.9
prop.vent

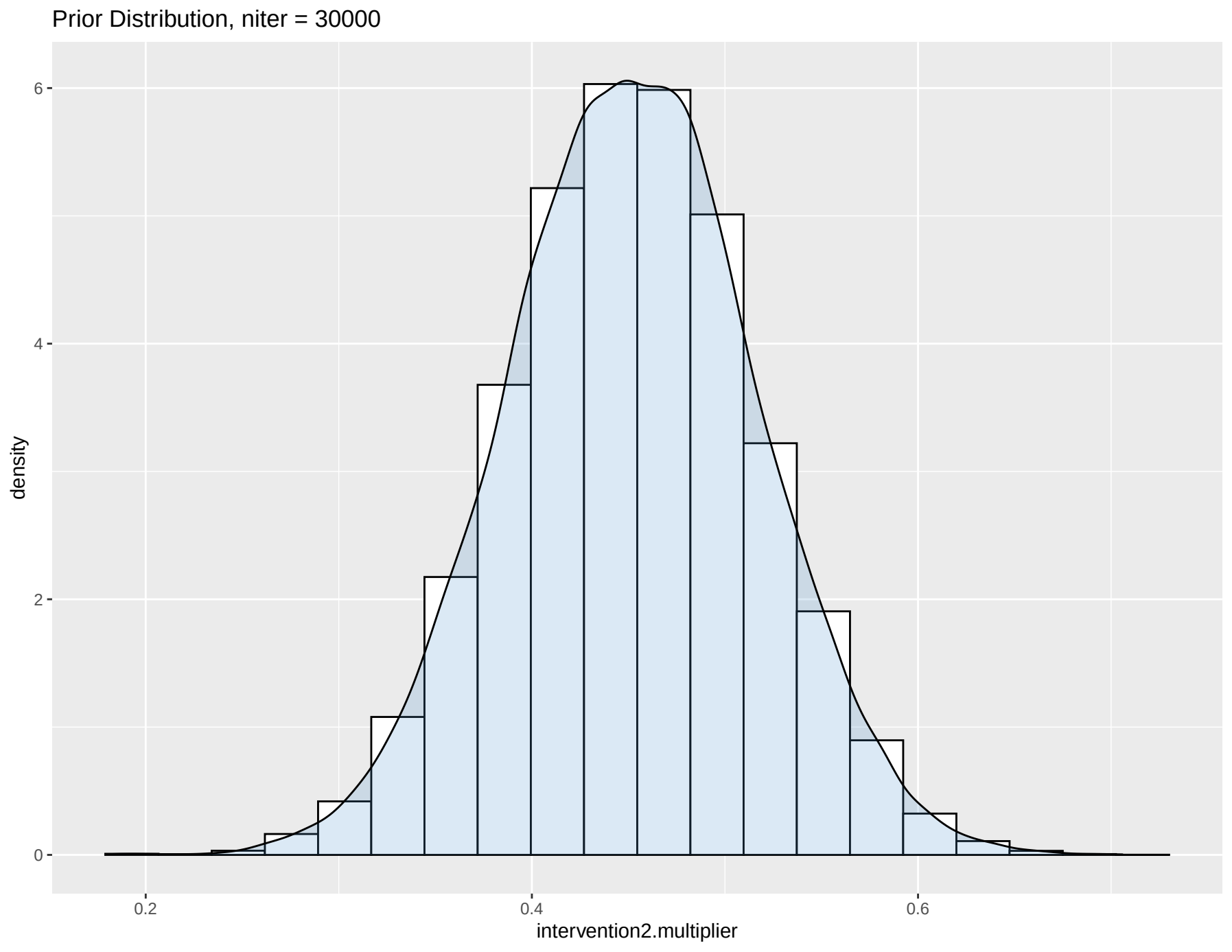

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
density
15
10
5
0
0.8
0.9
prop.vent

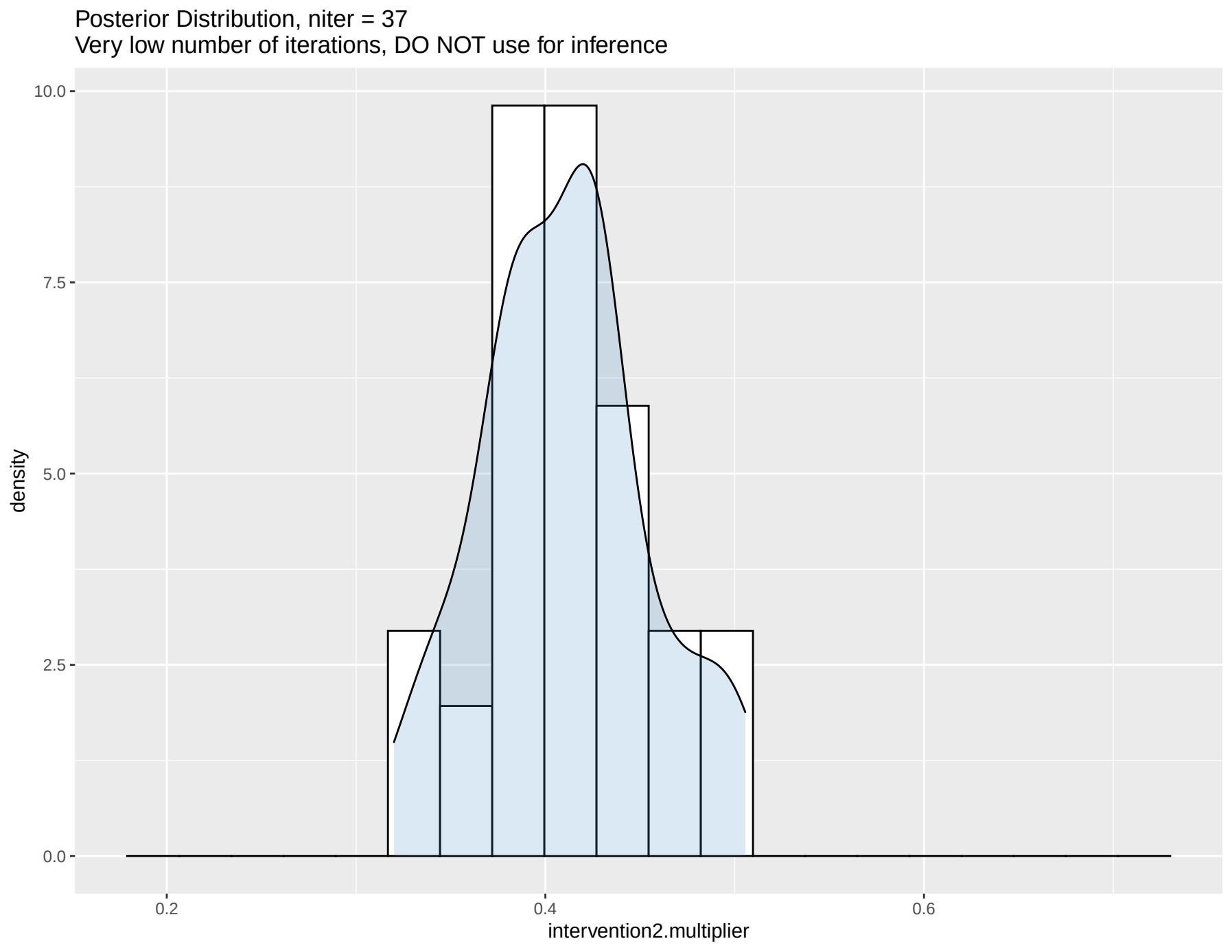

Prior Distribution, niter = 30000
density
intervention1.multiplier
0
1
2
3
4
0.2
0.4
0.6
0.8

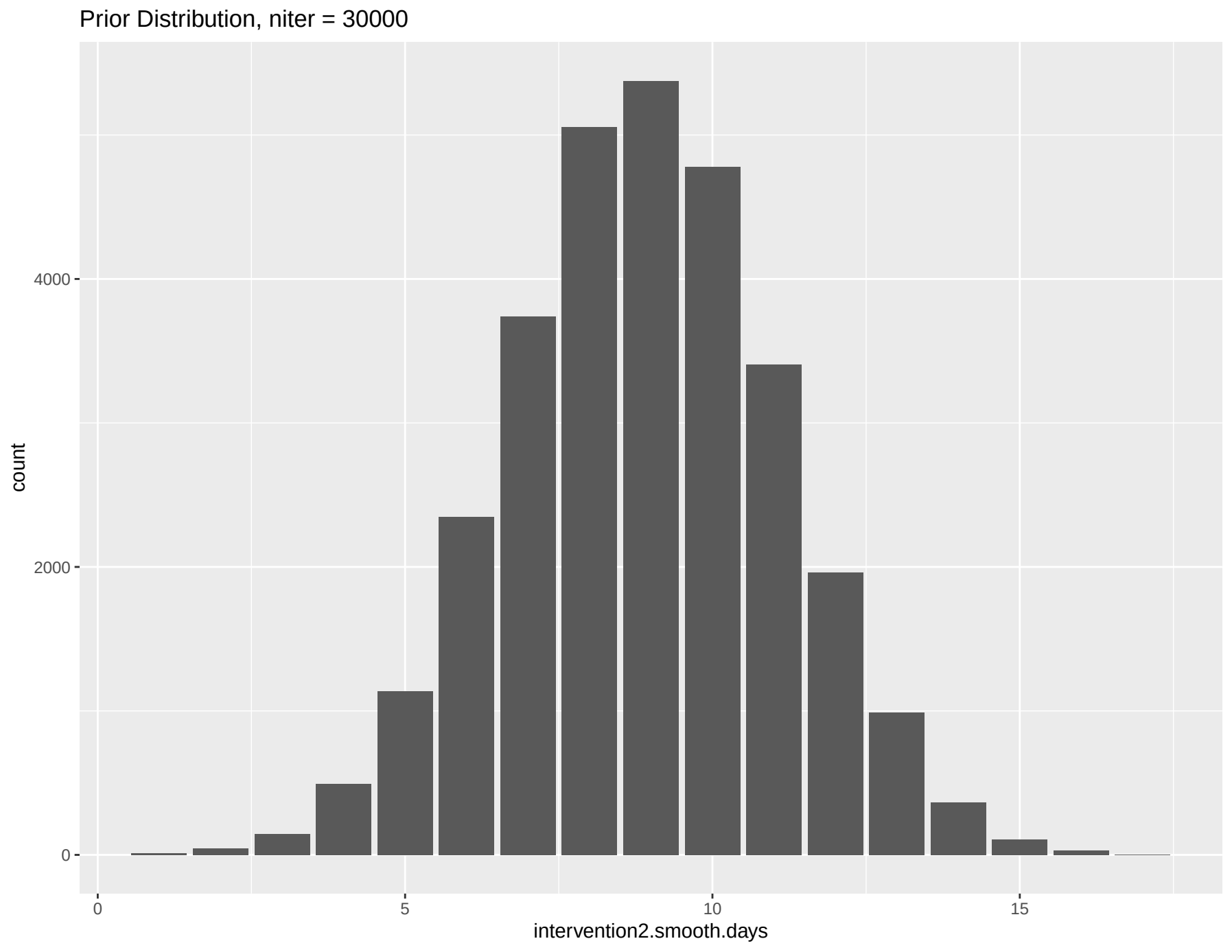

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
density
0
2
4
0.2
0.4
0.6
0.8
intervention1.multiplier

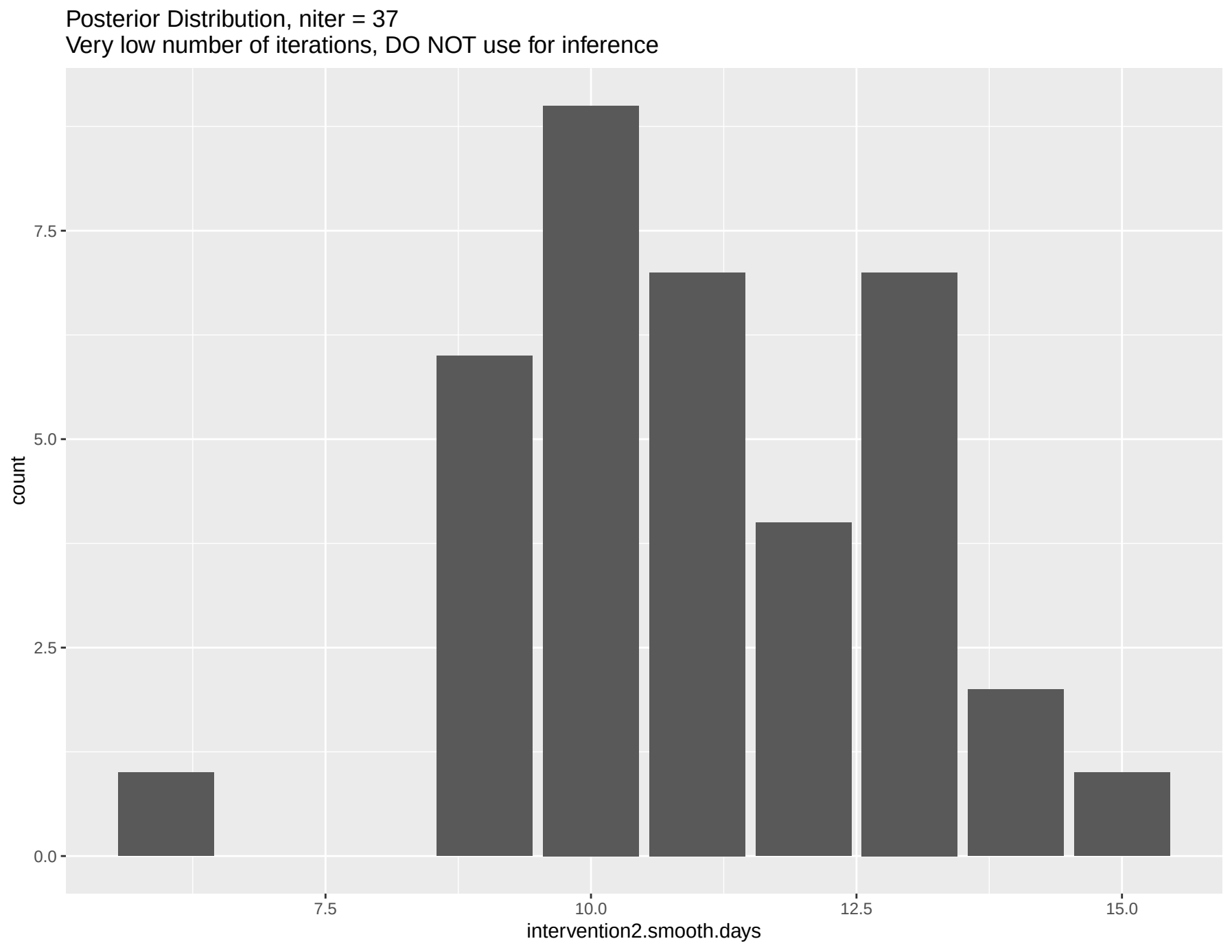

Prior Distribution, niter = 30000
count
4000
2000
0
0
5
10
15
intervention1.smooth.days

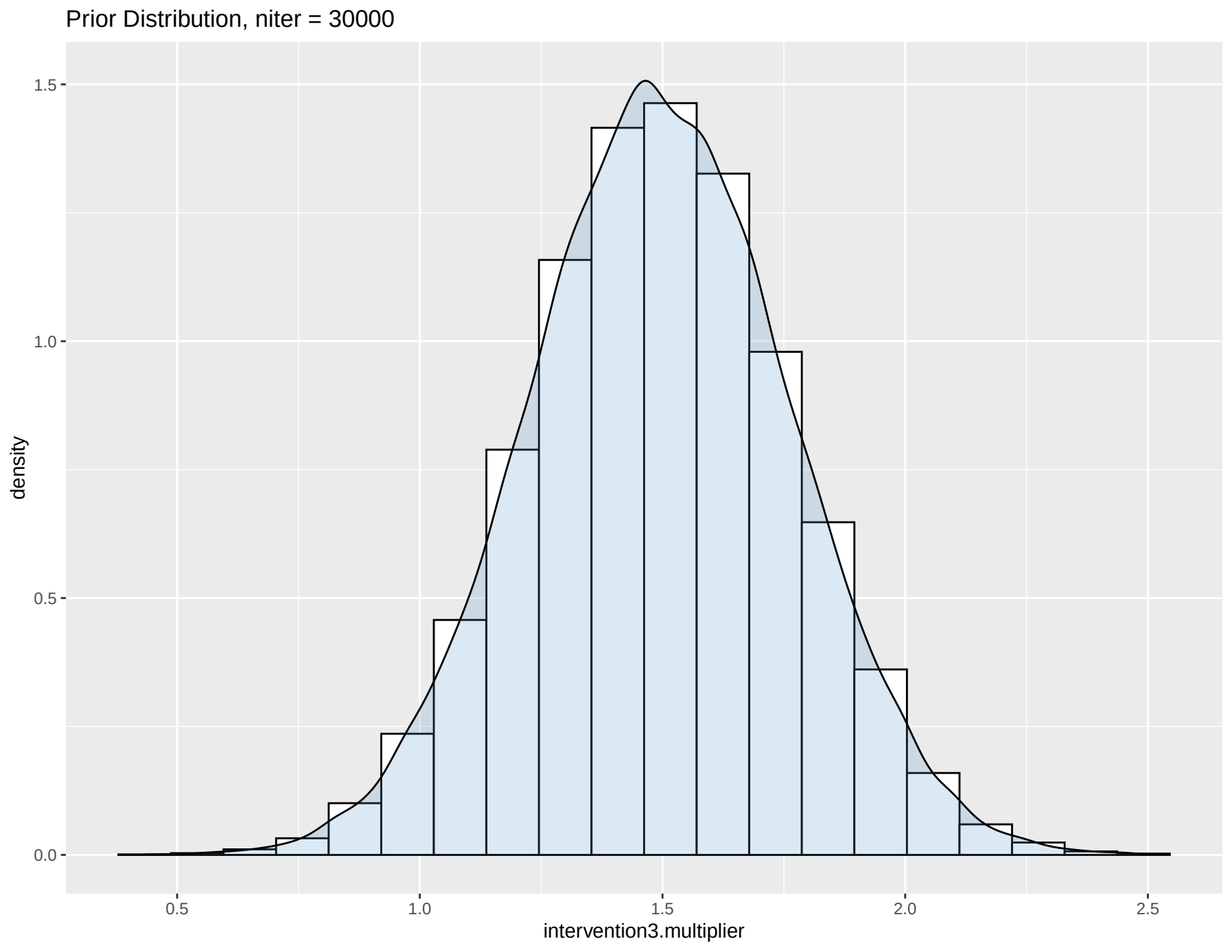

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
0
2
4
6
0.0
2.5
5.0
7.5
10.0
12.5
intervention1.smooth.days

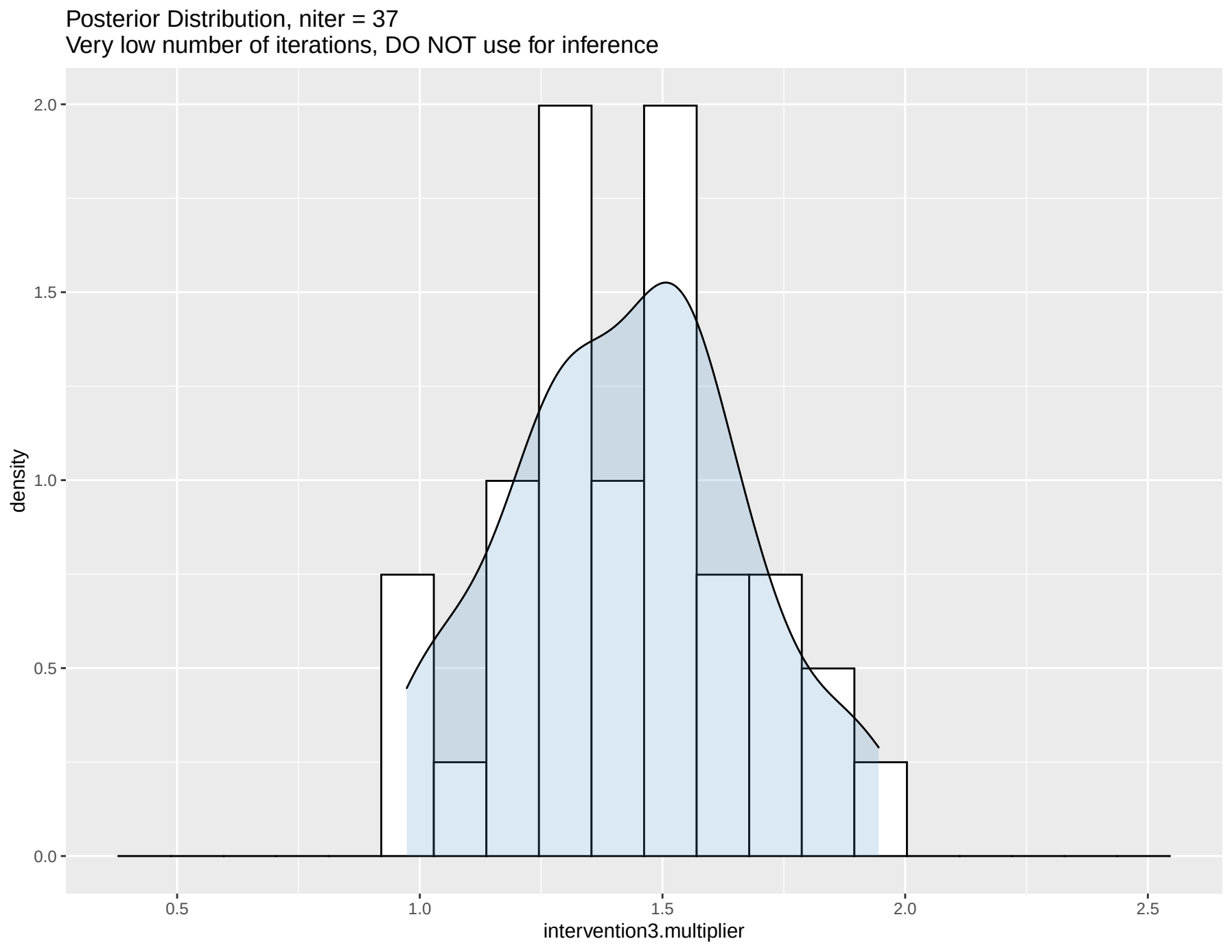

Prior Distribution, niter = 30000
density
6
4
2
0
0.2
0.4
0.6
intervention2.multiplier

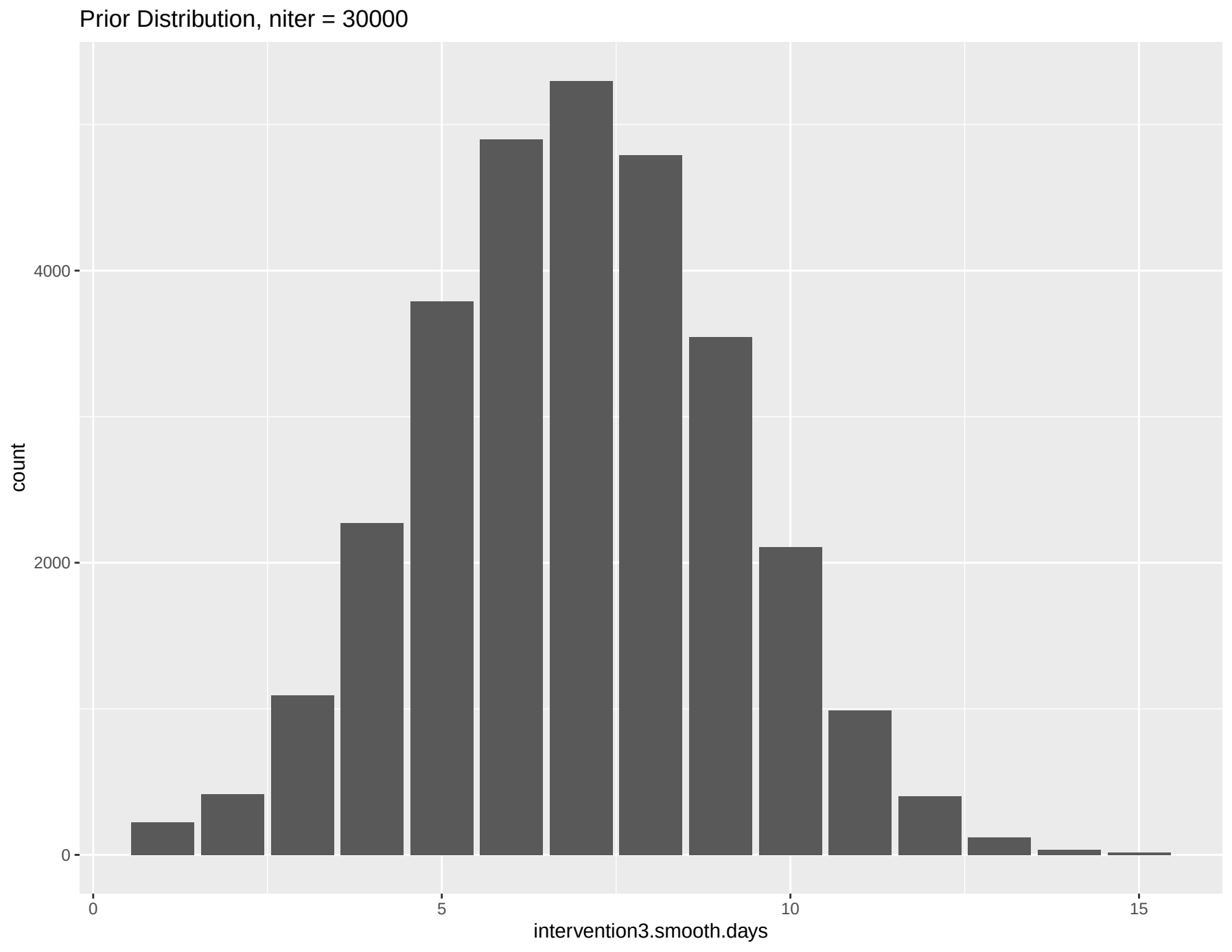

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
10.0
7.5
5.0
2.5
0.0
density
0.2
0.4
0.6
intervention2.multiplier

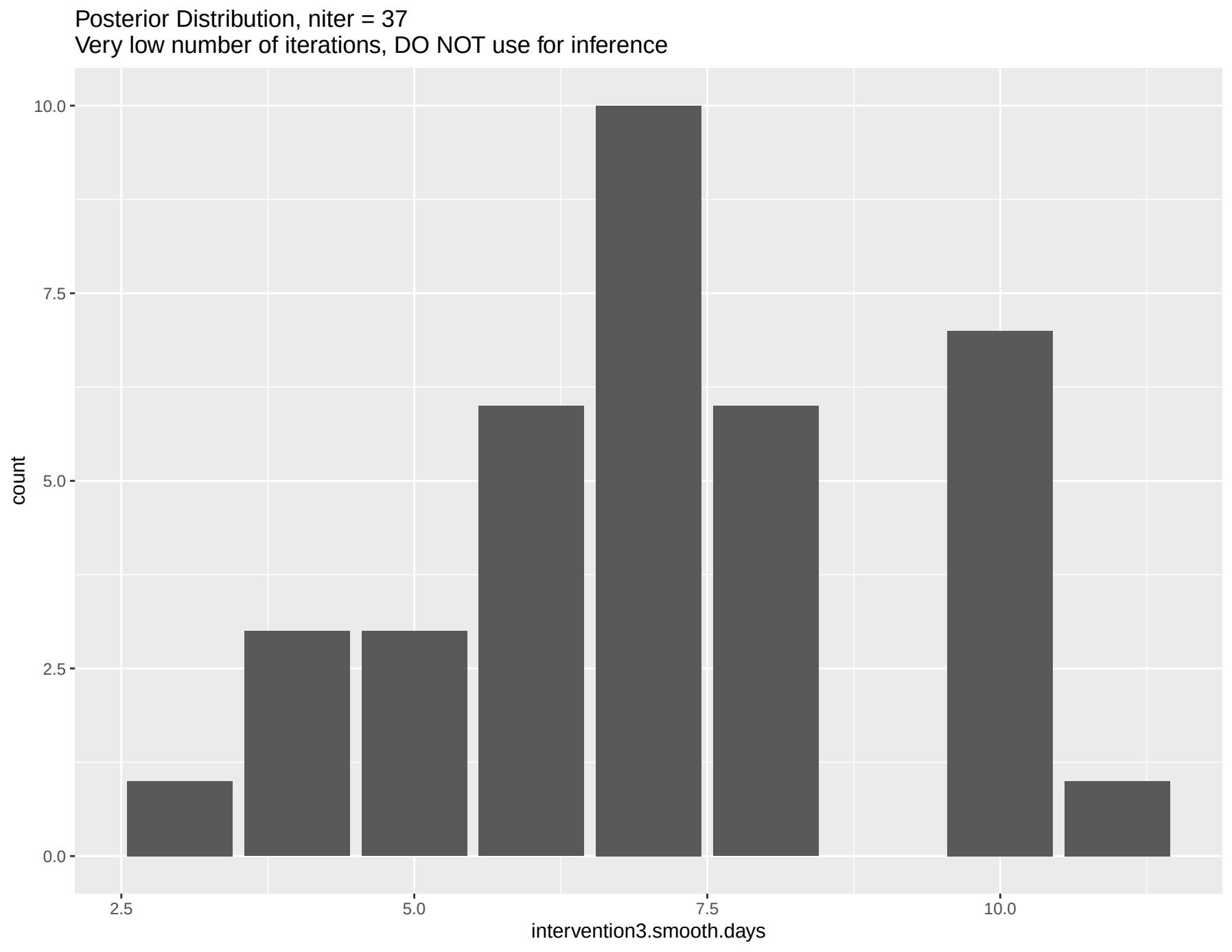

Prior Distribution, niter = 30000
count
4000
2000
0
0
5
10
15
intervention2.smooth.days

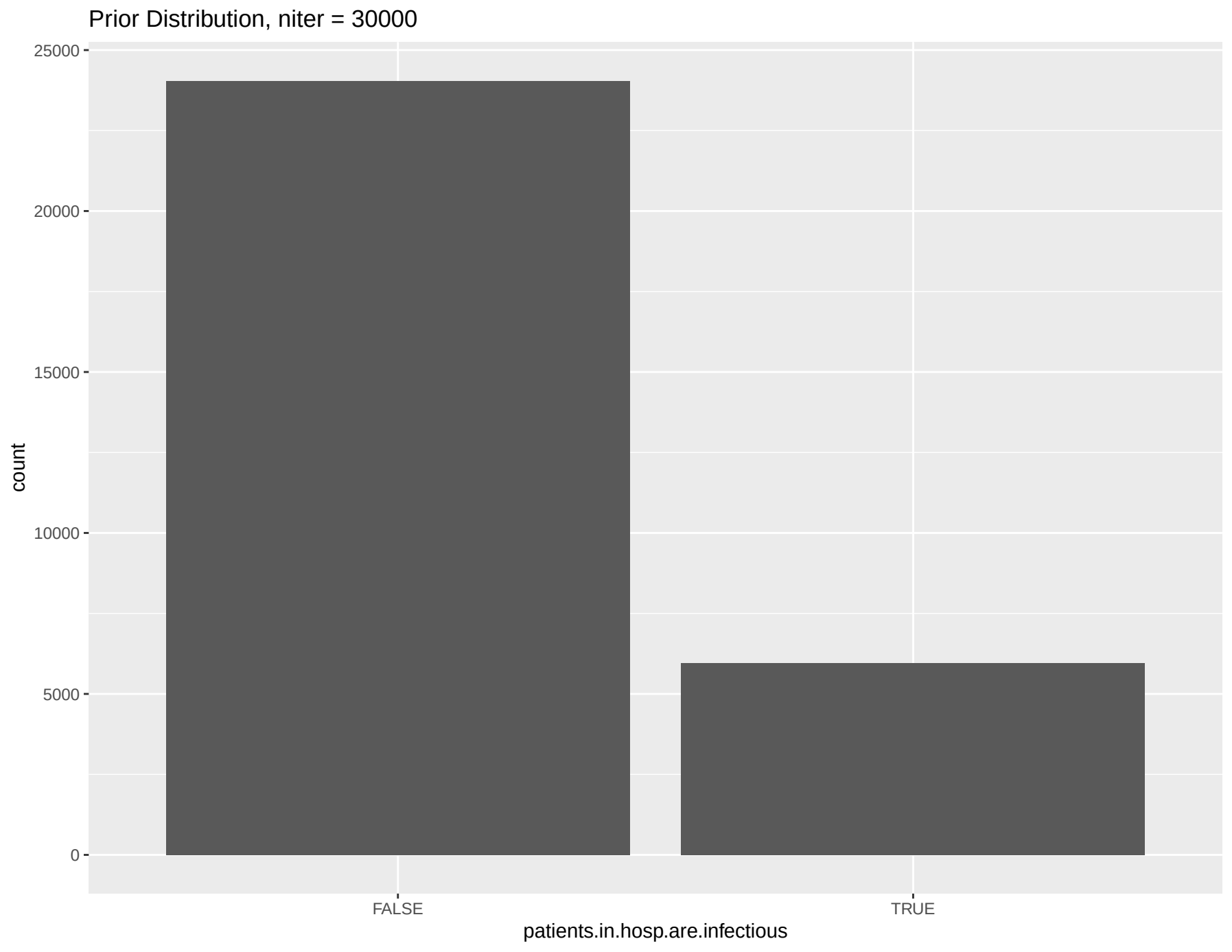

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
7.5
5.0
2.5
0.0
7.5
10.0
12.5
15.0
intervention2.smooth.days

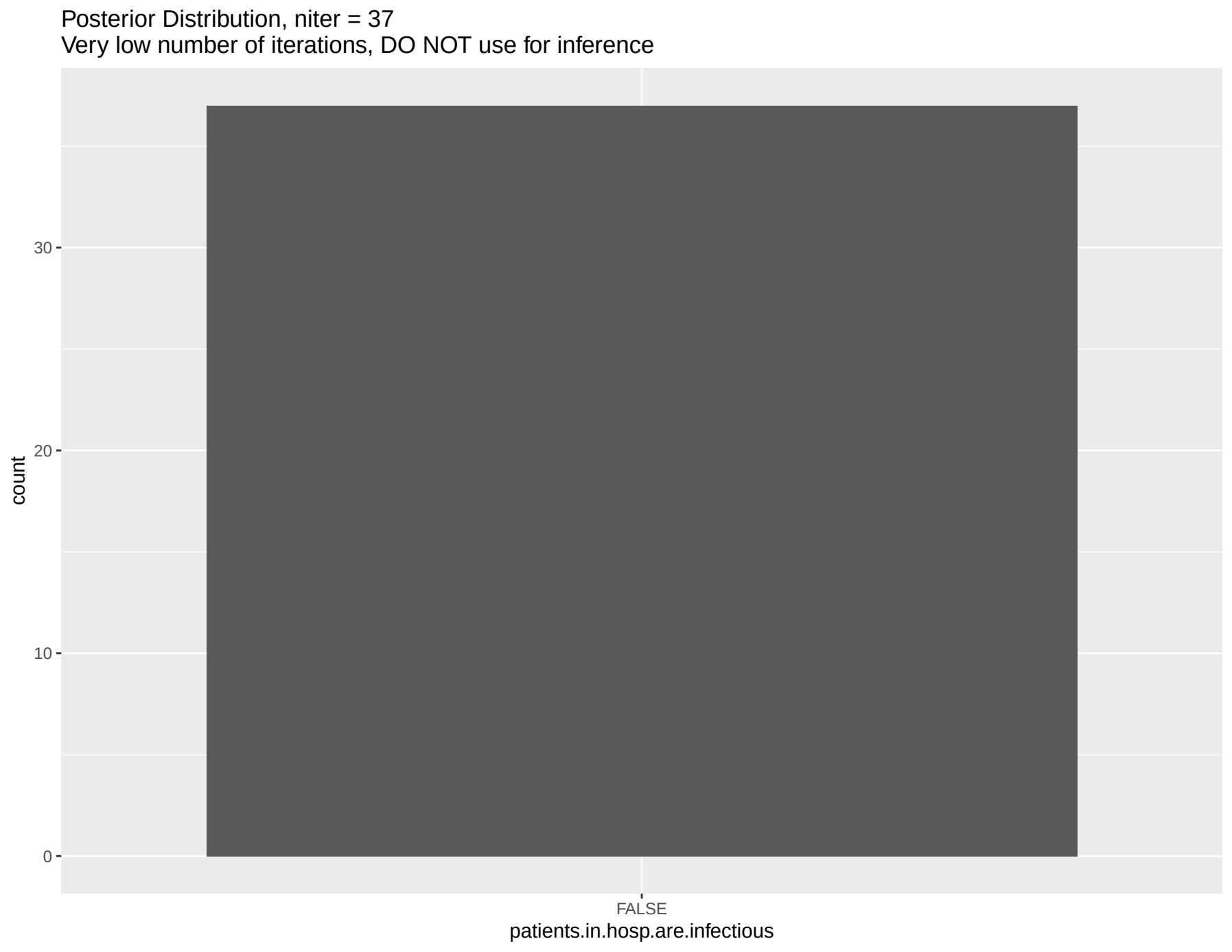

Prior Distribution, niter = 30000
density
1.5
1.0
0.5
0.0
0.5
1.0
1.5
2.0
2.5
intervention3.multiplier

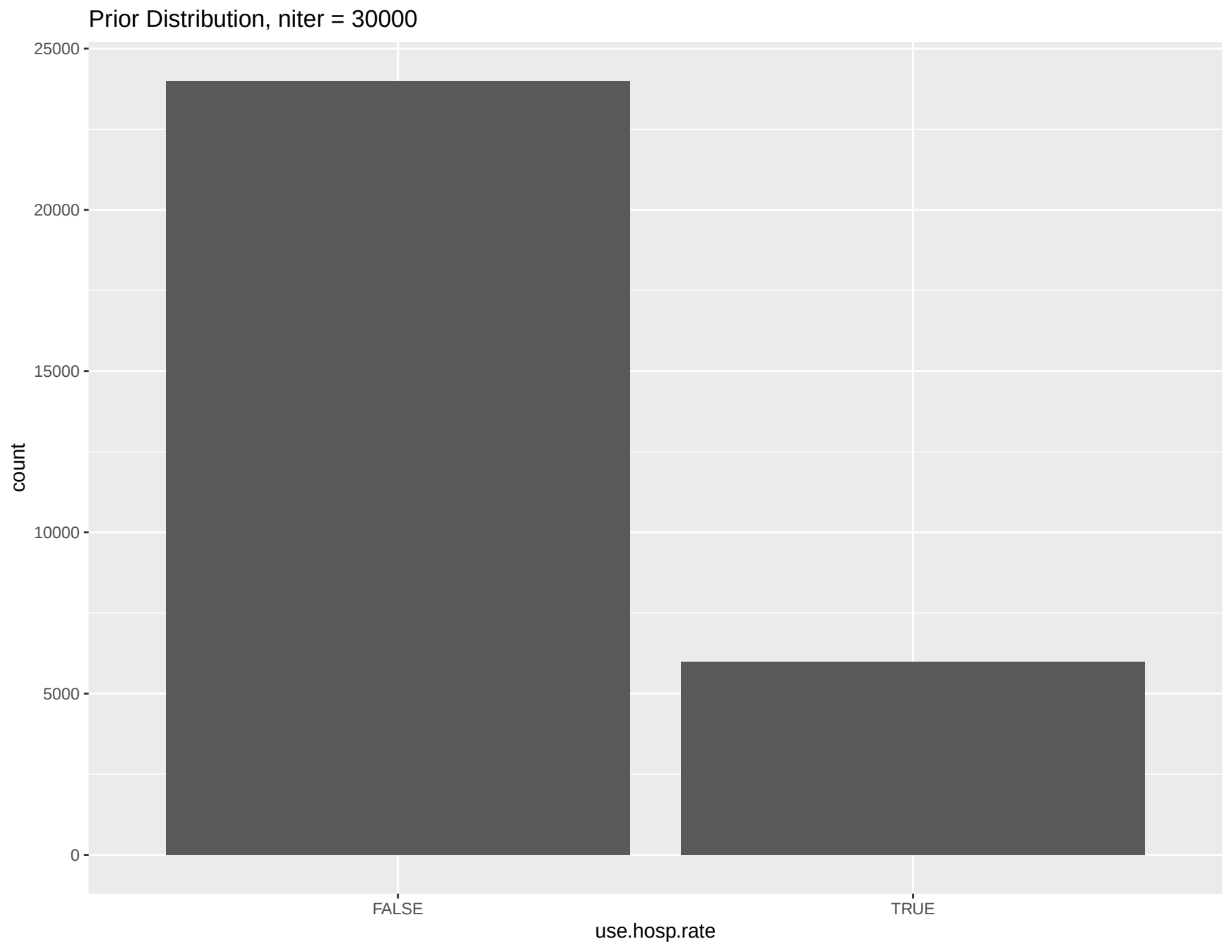

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
density
2.0
1.5
1.0
0.5
0.0
0.5
1.0
1.5
2.0
2.5
intervention3.multiplier

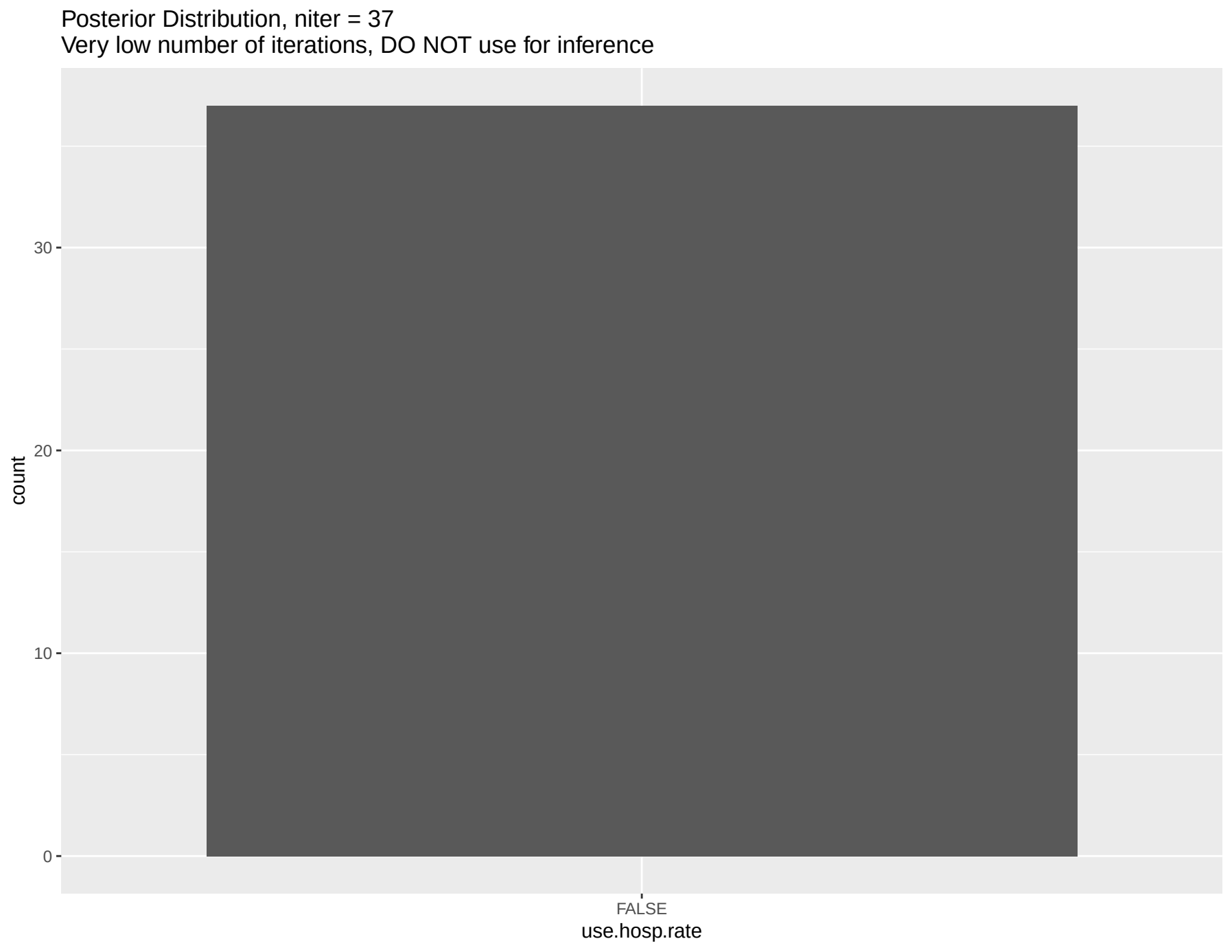

Prior Distribution, niter = 30000
count
4000
2000
0
0
5
10
15
intervention3.smooth.days

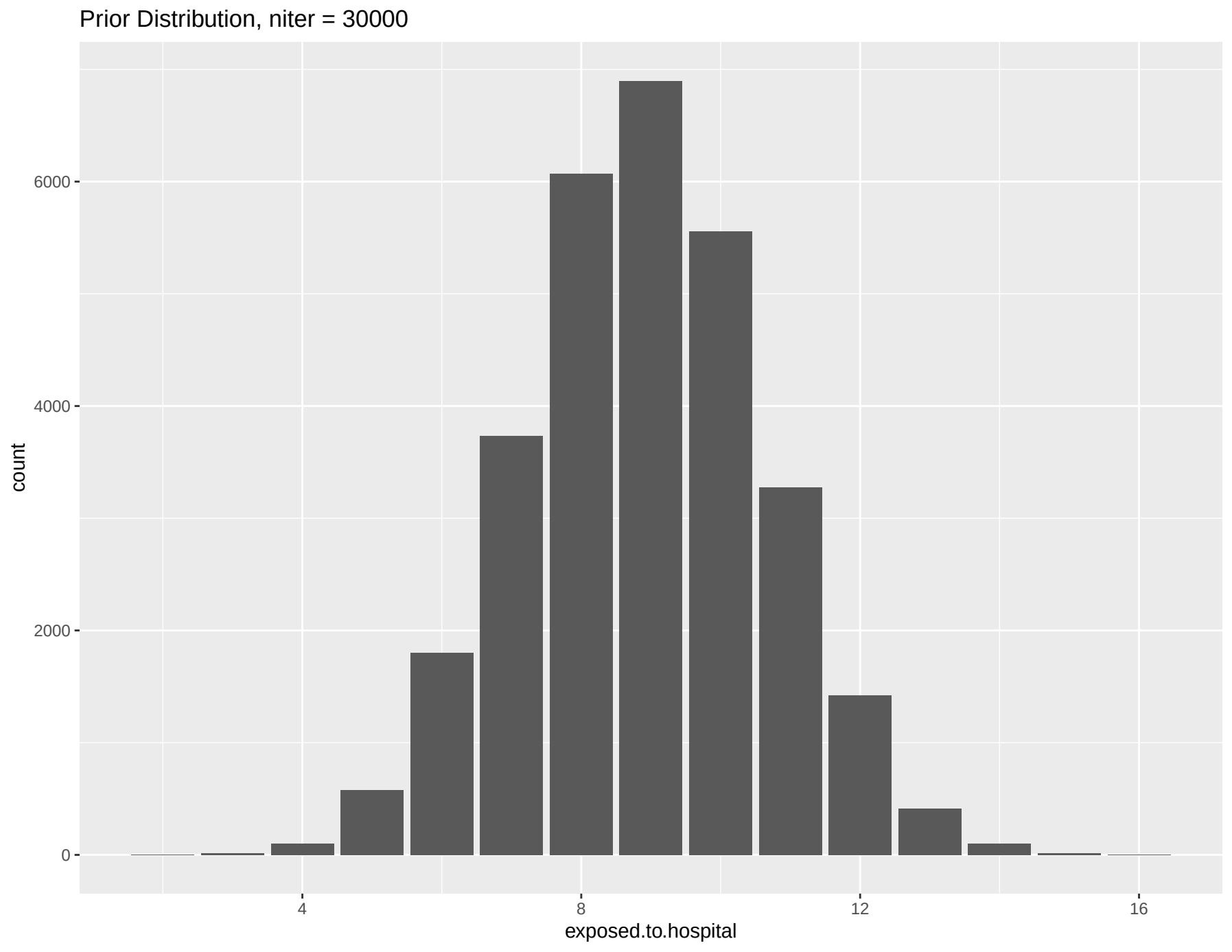

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
10.0
7.5
5.0
2.5
0.0
count
2.5
5.0
7.5
10.0
intervention3.smooth.days

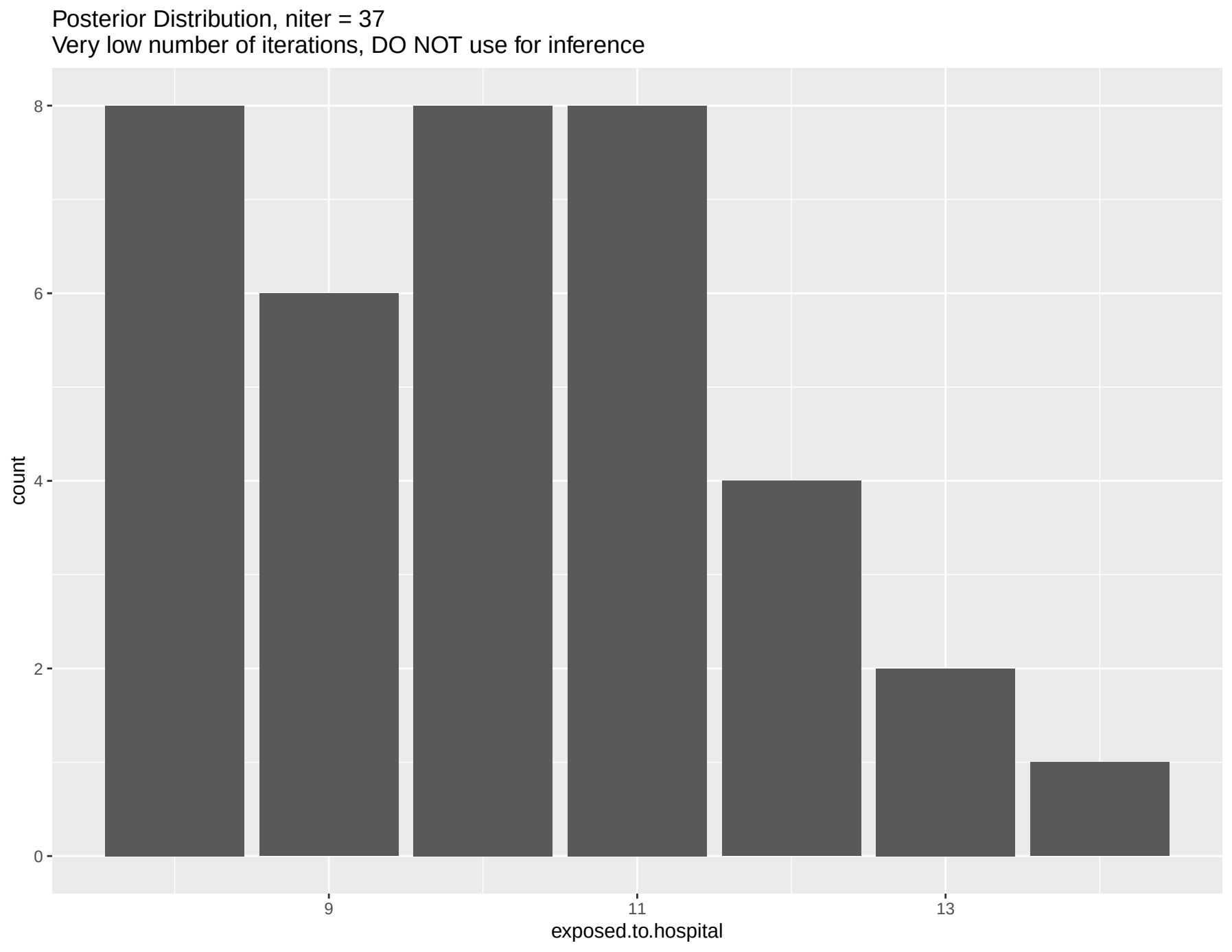

Prior Distribution, niter = 30000
25000
20000
15000
10000
5000
0
count
FALSE
TRUE
patients.in.hosp.are.infectious

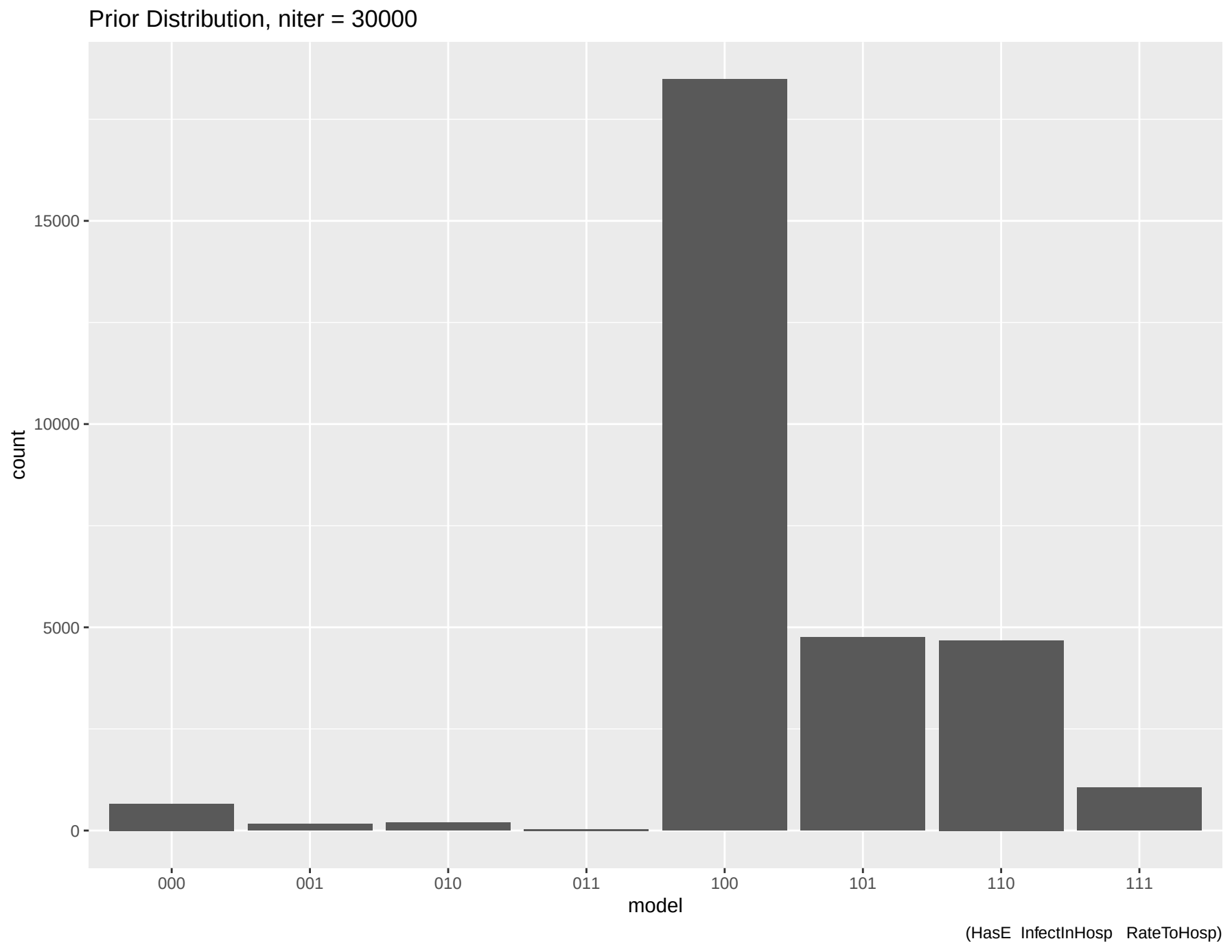

Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
30
20
10
0
FALSE
patients.in.hosp.are.infectious

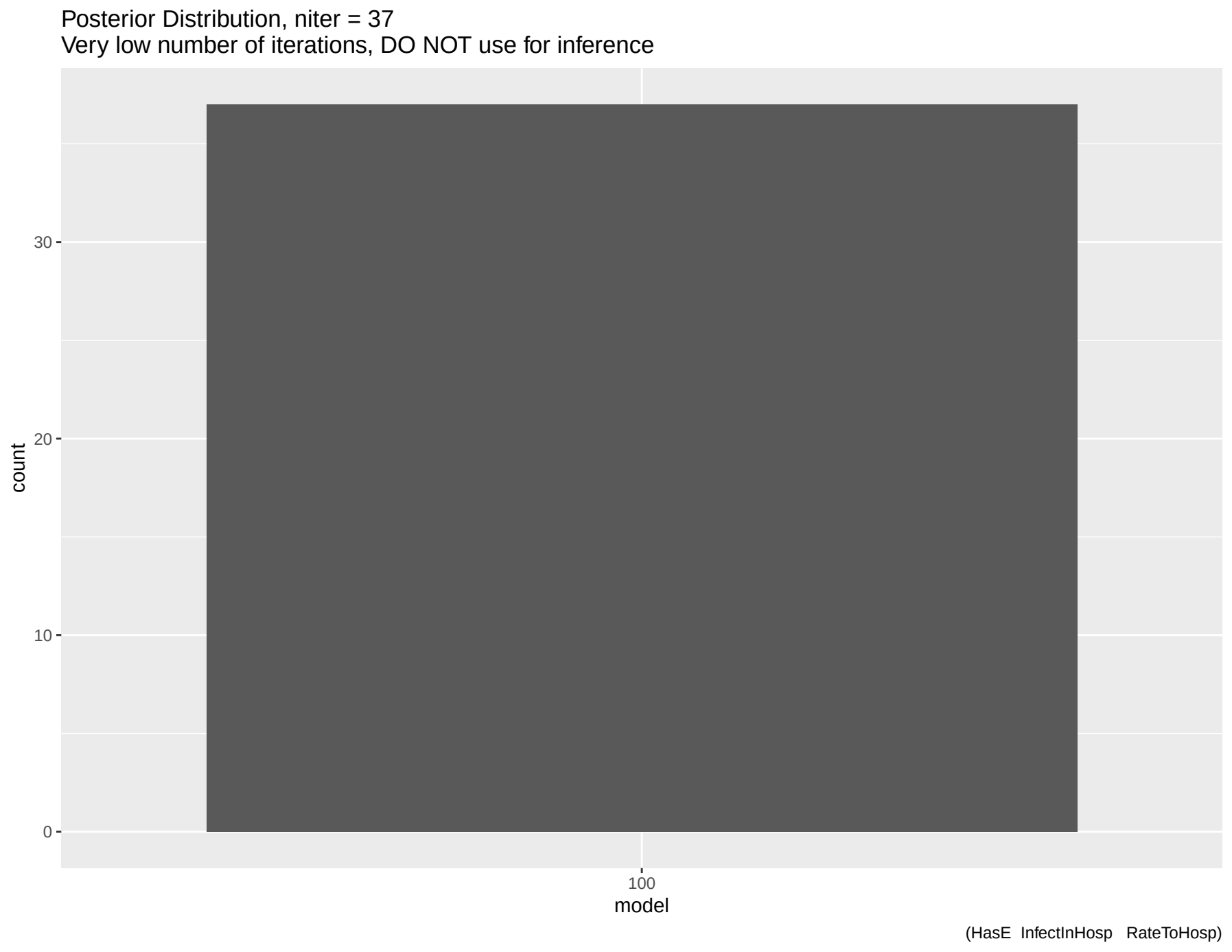

Prior Distribution, niter = 30000
25000
20000
15000
10000
5000
0
count
FALSE
TRUE
use.hosp.rate


Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
30
20
10
0
FALSE
use.hosp.rate


Prior Distribution, niter = 30000
count
6000
4000
2000
0
4
8
12
16
exposed.to.hospital


Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
8
6
4
2
0
9
11
13
exposed.to.hospital


Prior Distribution, niter = 30000
count
15000
10000
5000
0
000
001
010
011
100
101
110
111
model
(HasE InfectInHosp RateToHosp)


Posterior Distribution, niter = 37
Very low number of iterations, DO NOT use for inference
count
30
20
10
0
100
model
(HasE InfectInHosp RateToHosp)