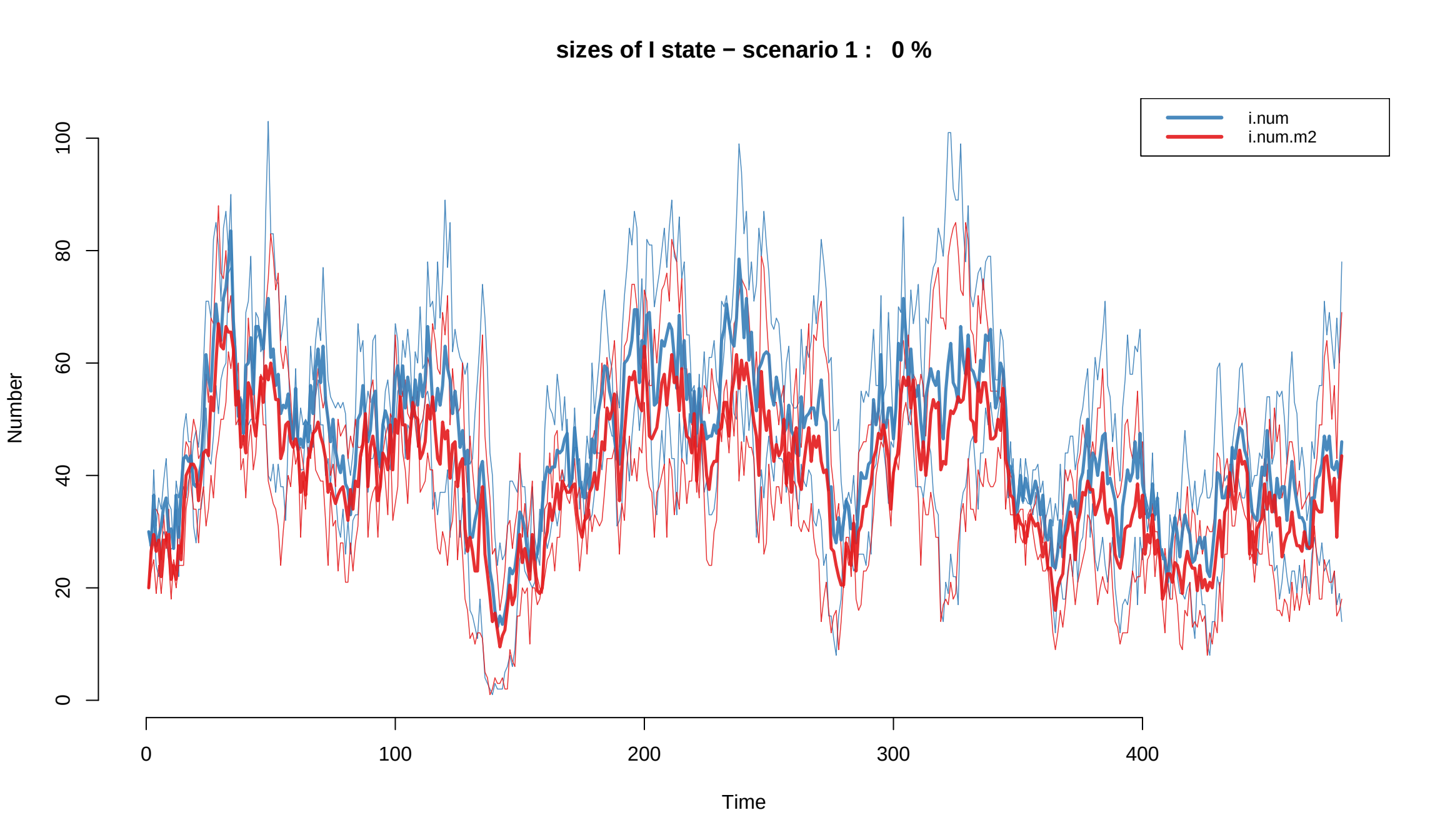
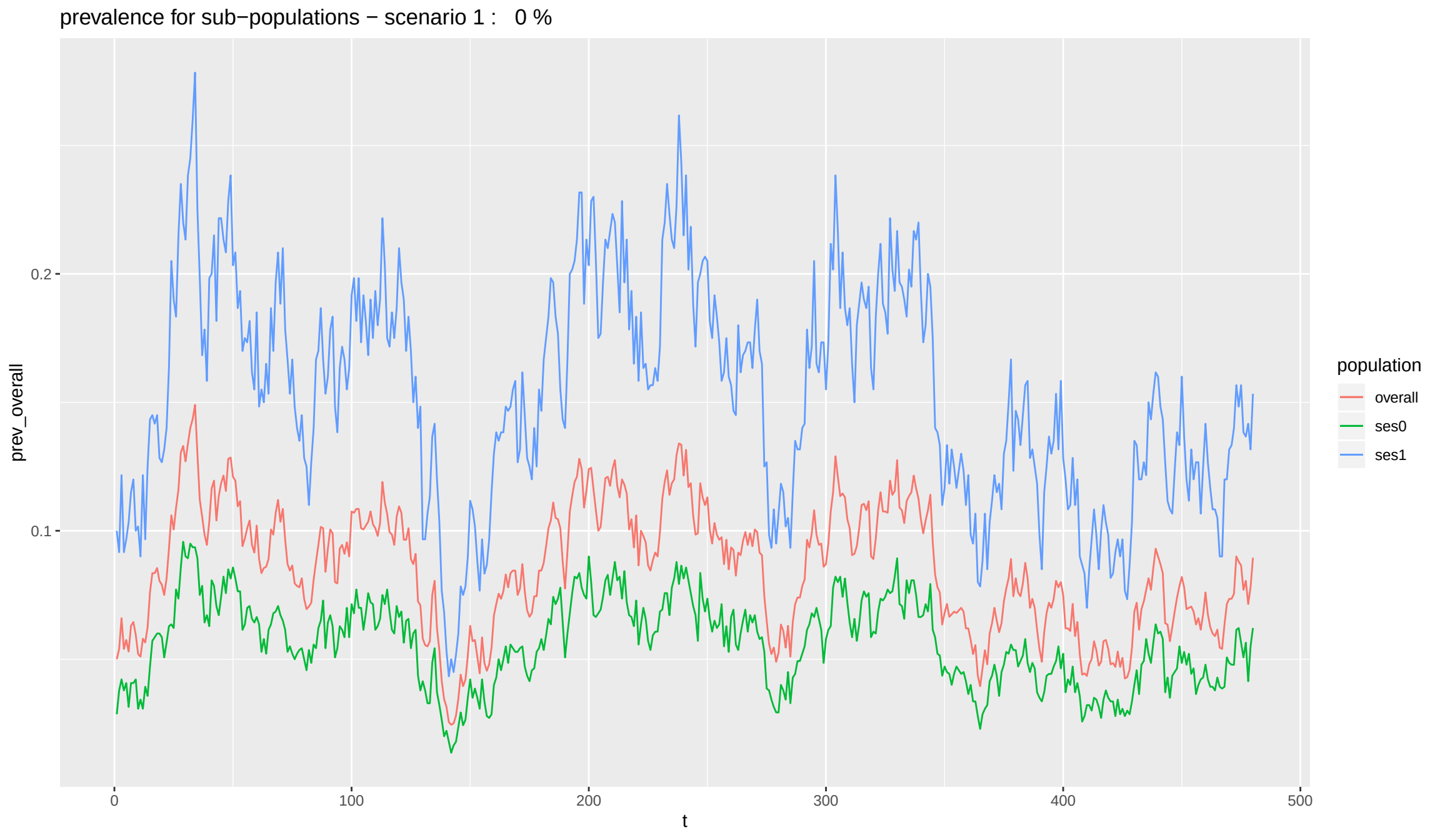
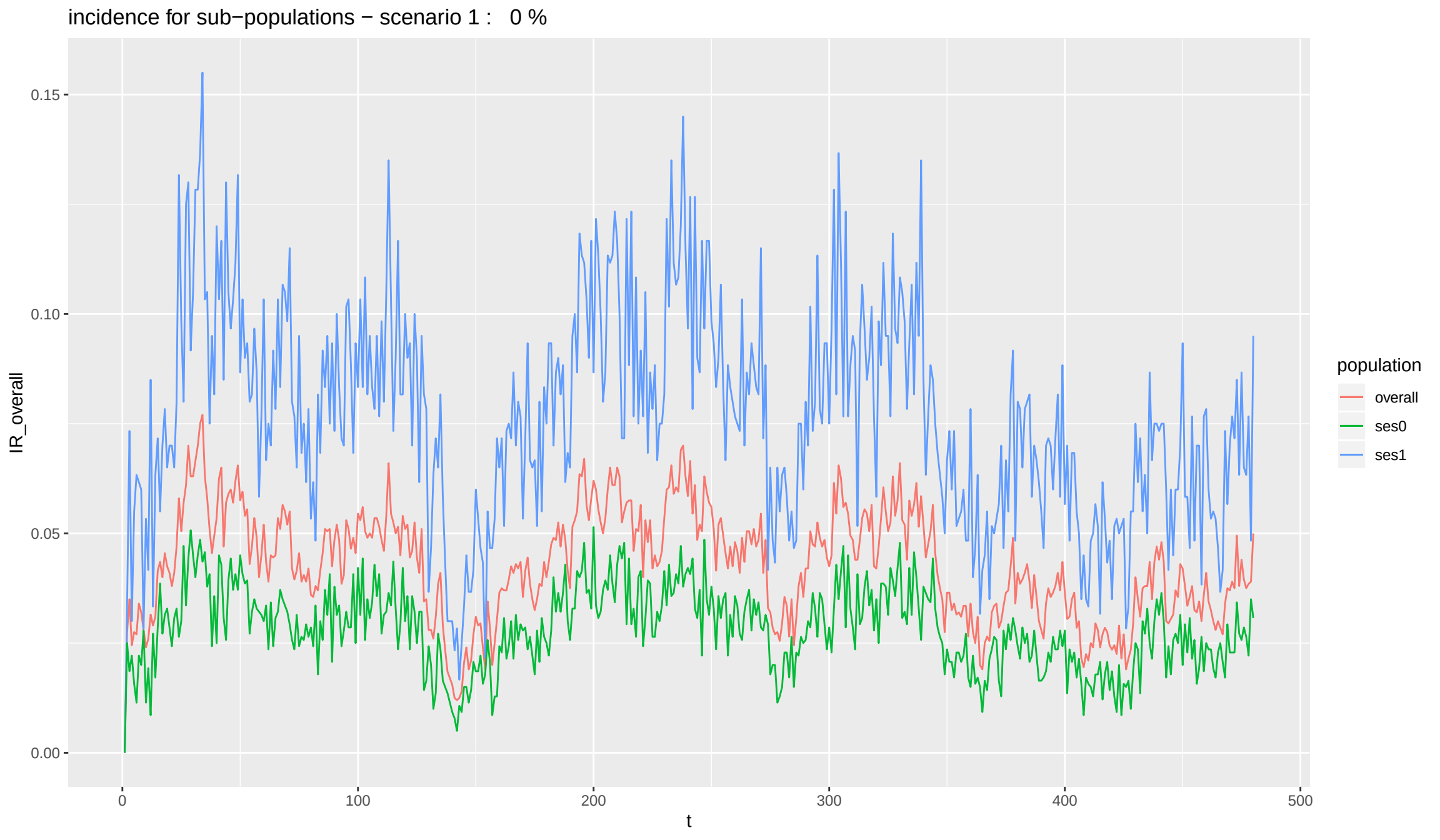
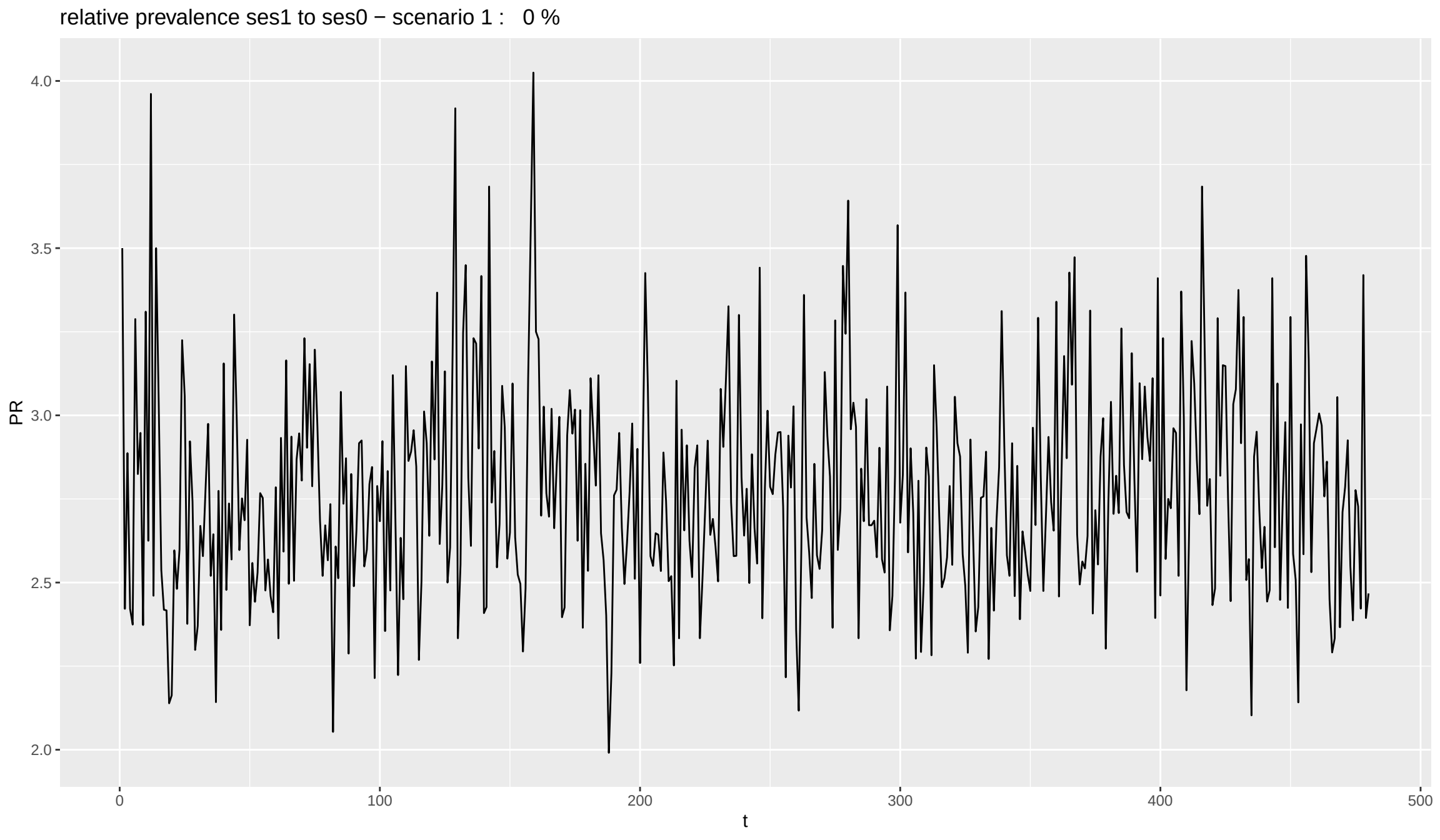
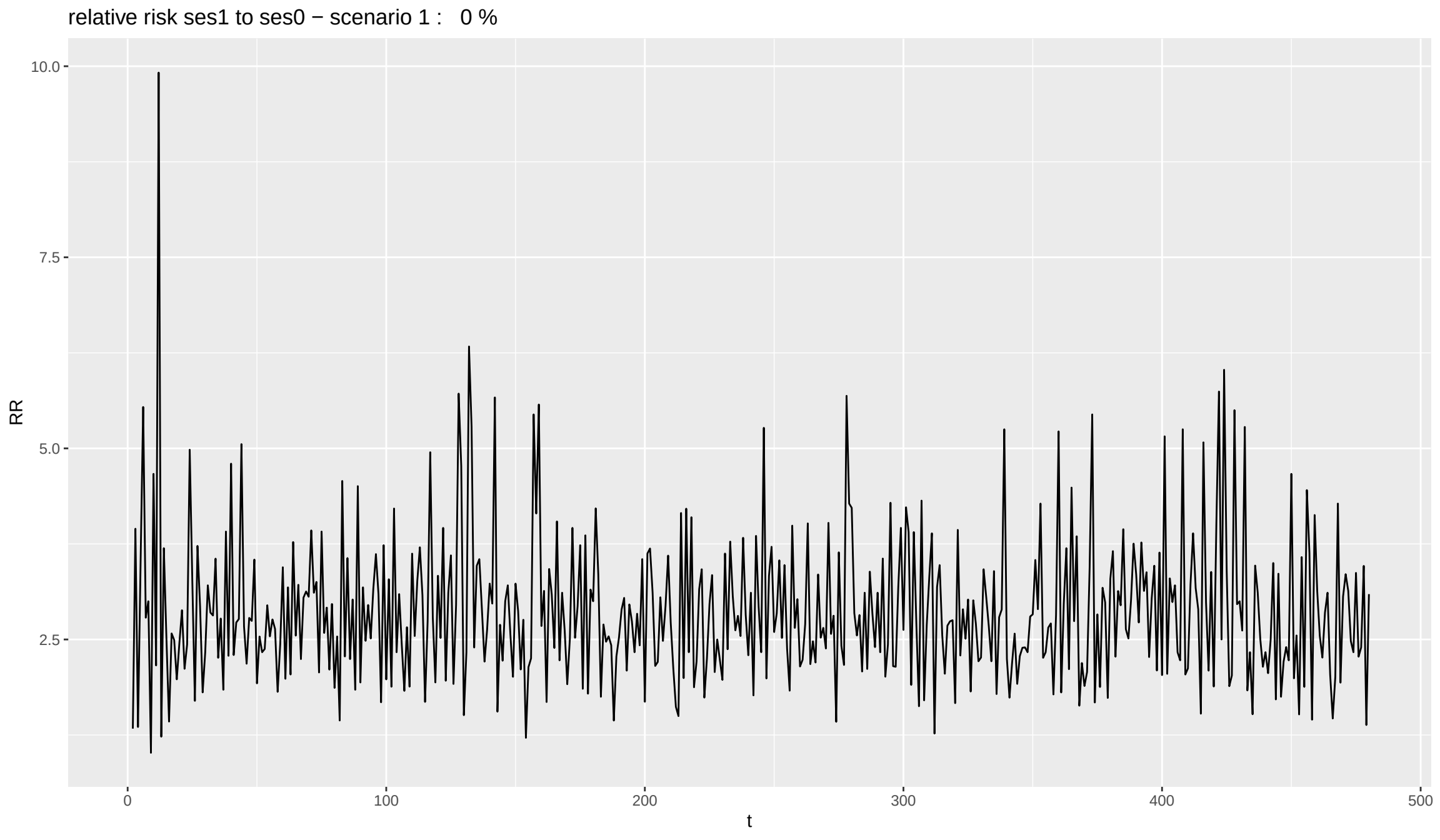
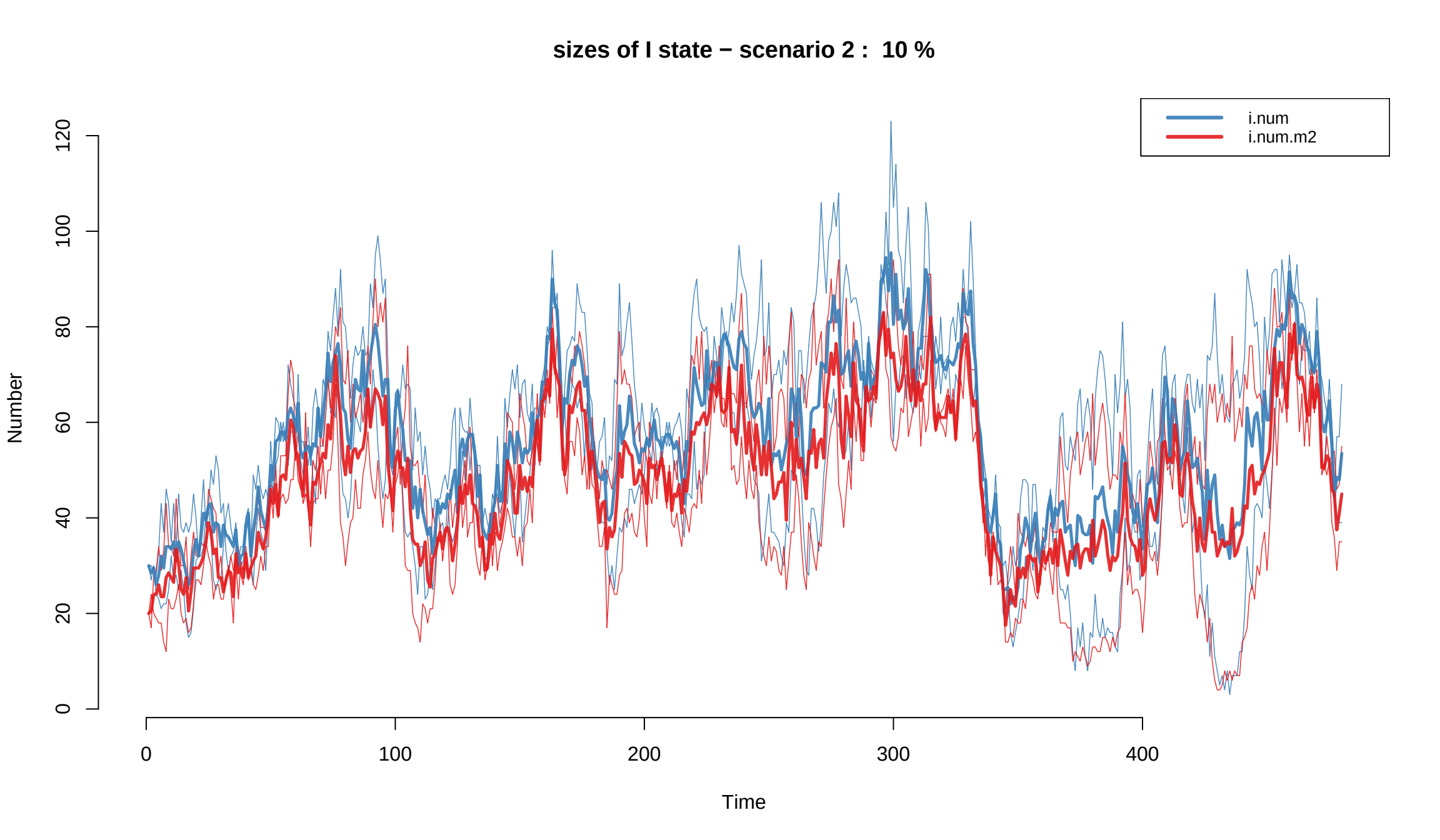

sizes of I state − scenario 1 : 0 %
i.num
i.num.m2
Number
0
20
40
60
80
100
0
100
200
300
400
Time

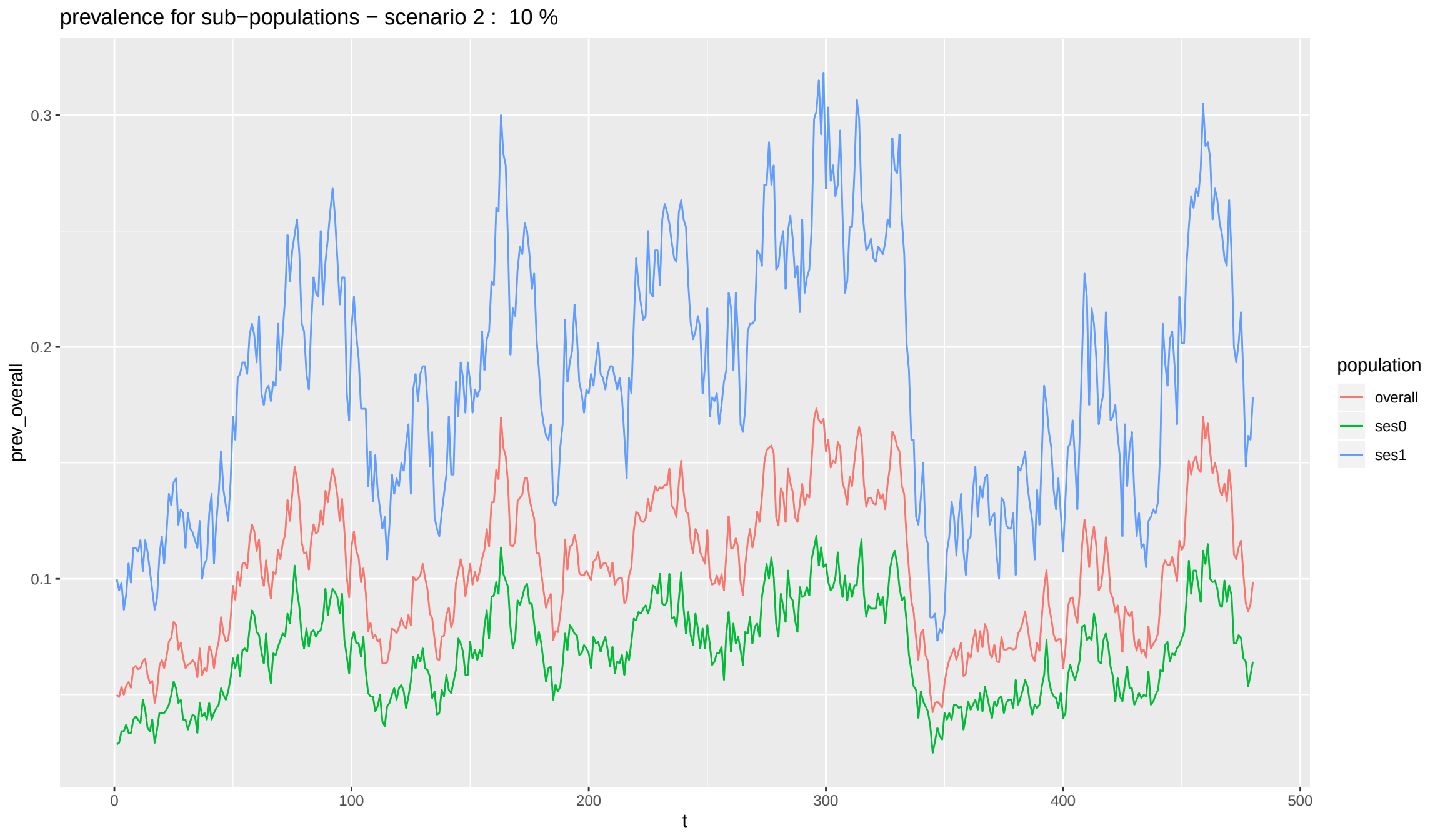

prevalence for sub−populations − scenario 1 : 0 %
prev_overall
0.2
0.1
0
100
200
300
400
500
t
population
overall
ses0
ses1

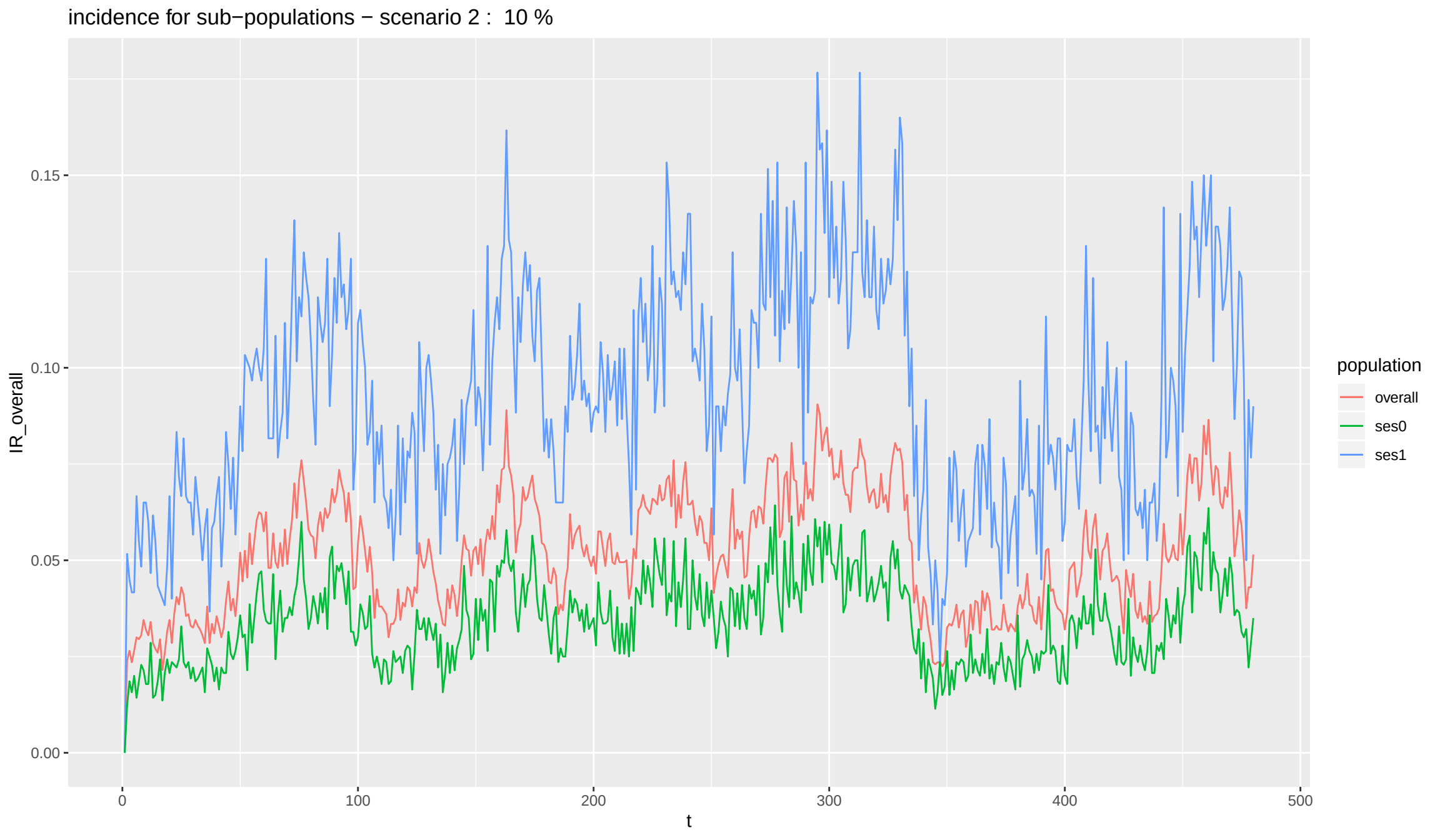

incidence for sub−populations − scenario 1 : 0 %
IR_overall
0.15
0.10
0.05
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1

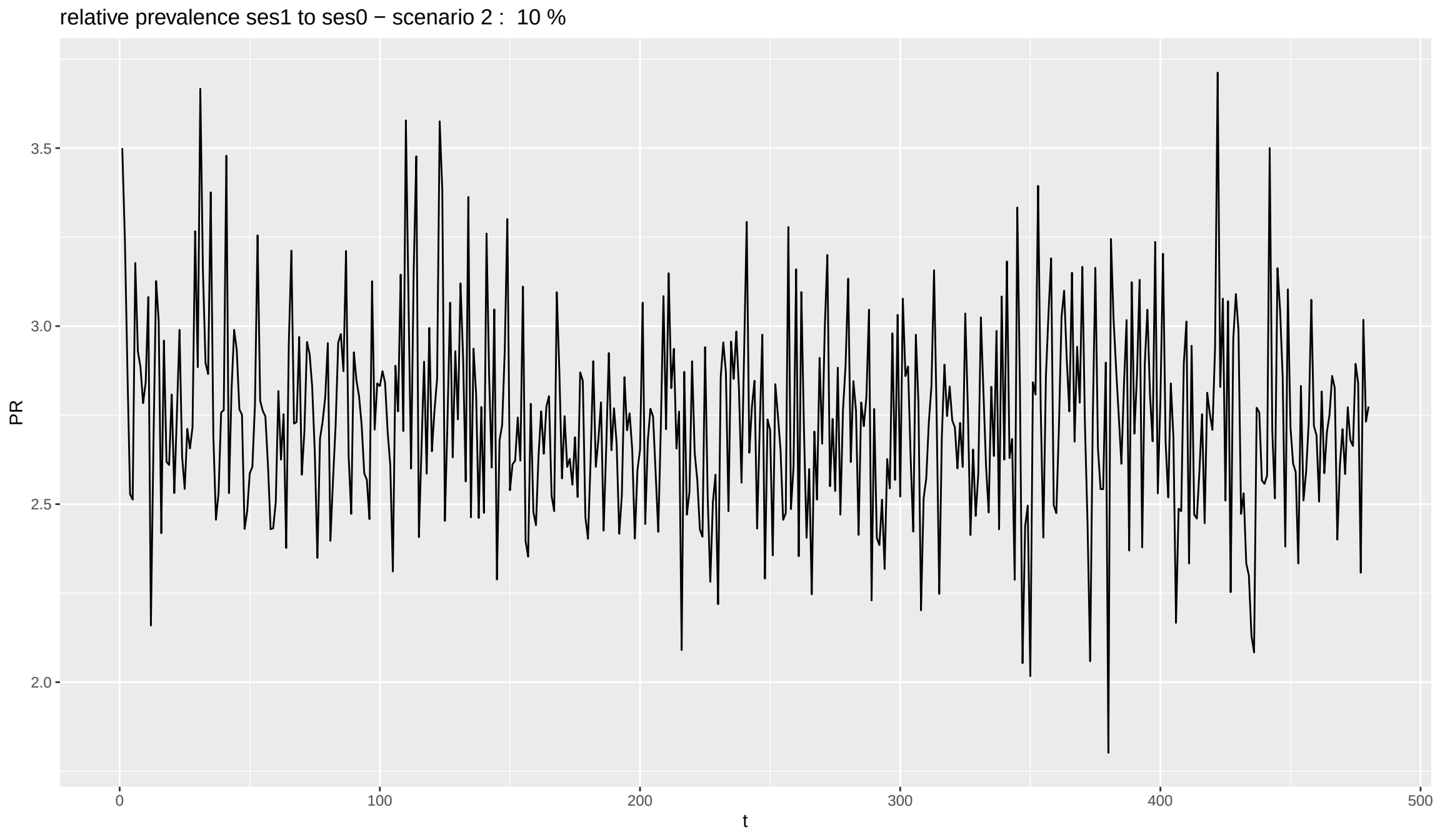

relative prevalence ses1 to ses0 − scenario 1 : 0 %
PR
4.0
3.5
3.0
2.5
2.0
0
100
200
300
400
500
t

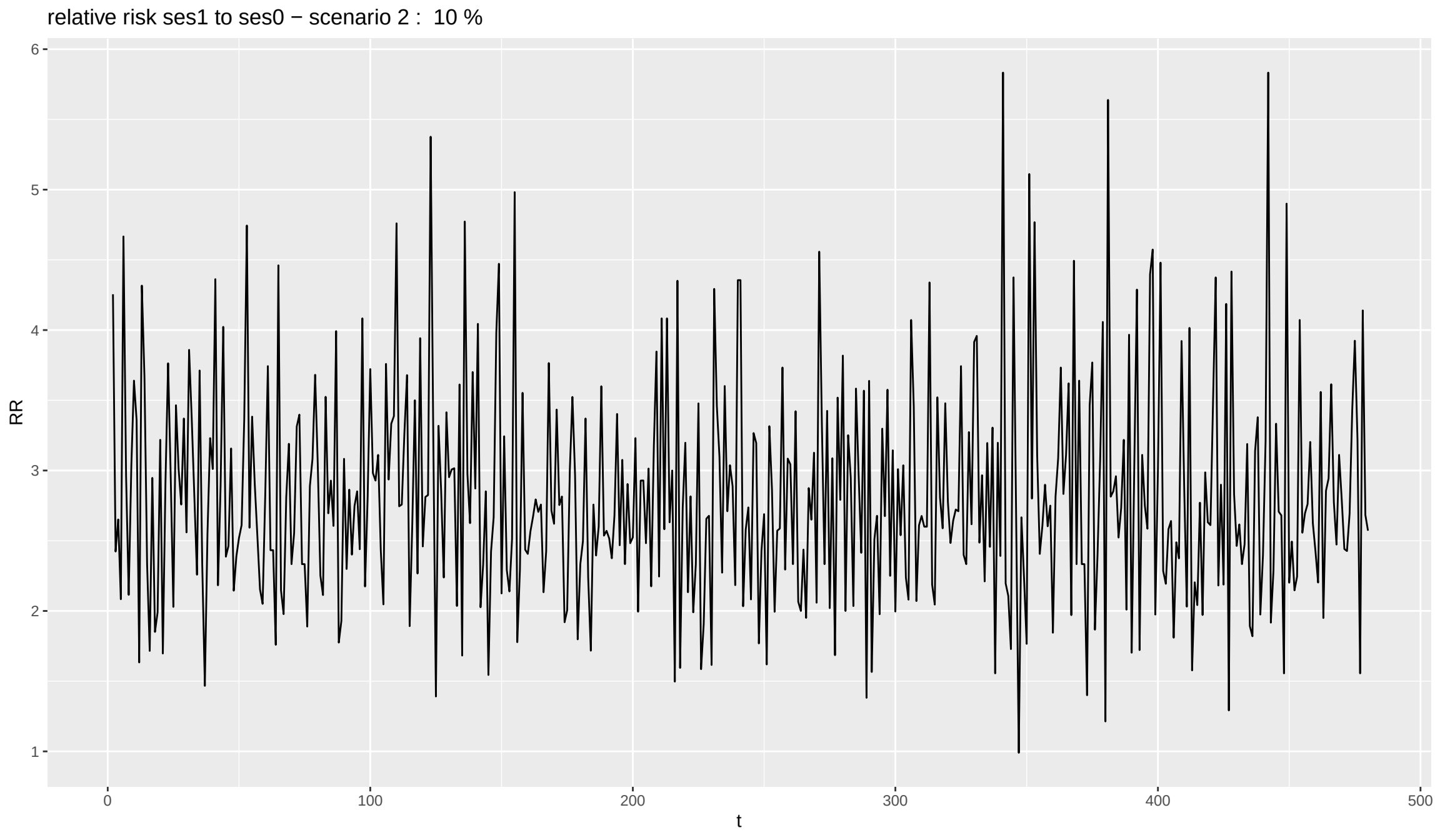

relative risk ses1 to ses0 − scenario 1 : 0 %
10.0
7.5
5.0
2.5
RR
0
100
200
300
400
500
t

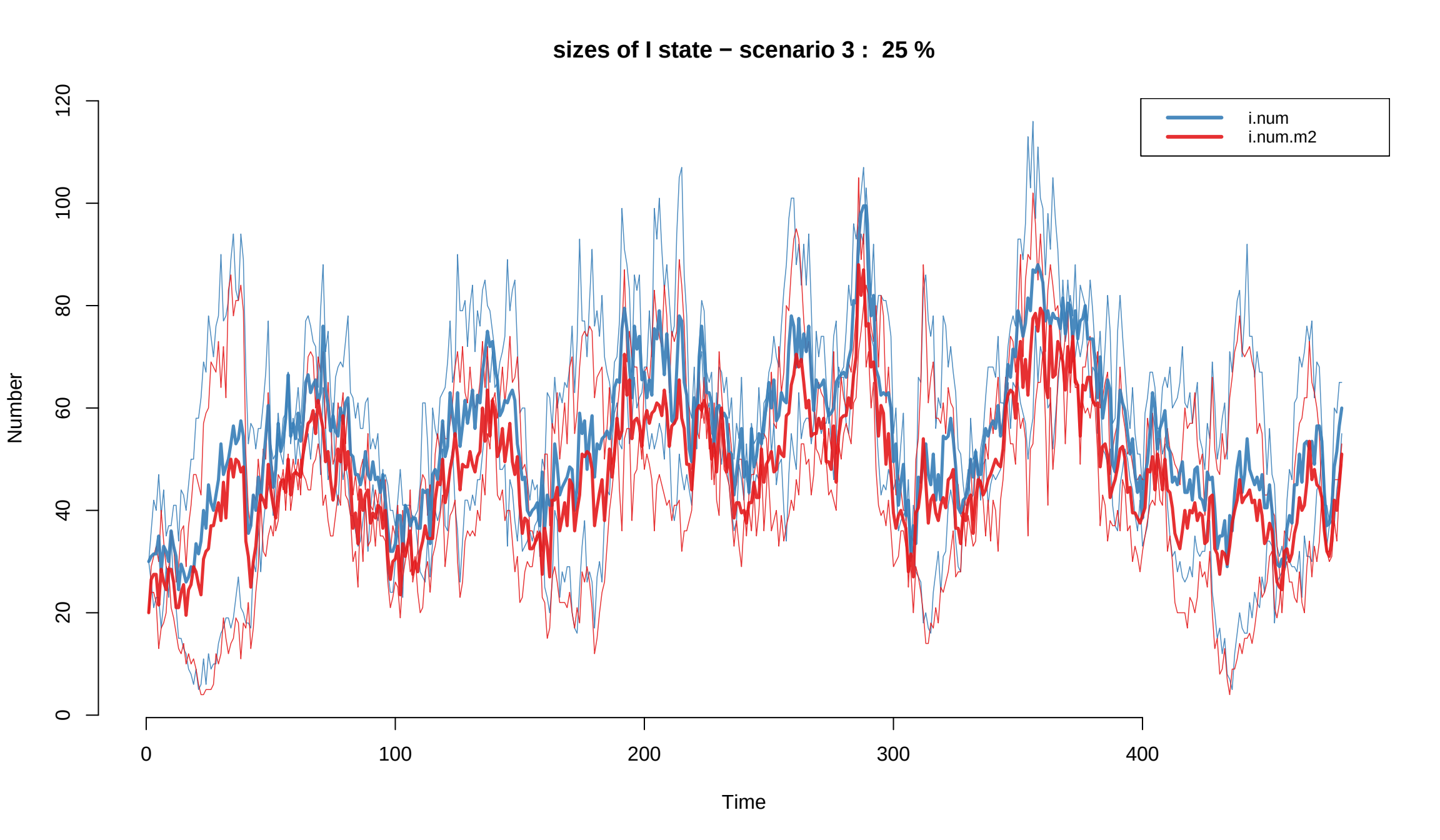

sizes of I state − scenario 2 : 10 %
i.num
i.num.m2
Number
0
20
40
60
80
100
120
0
100
200
300
400
Time

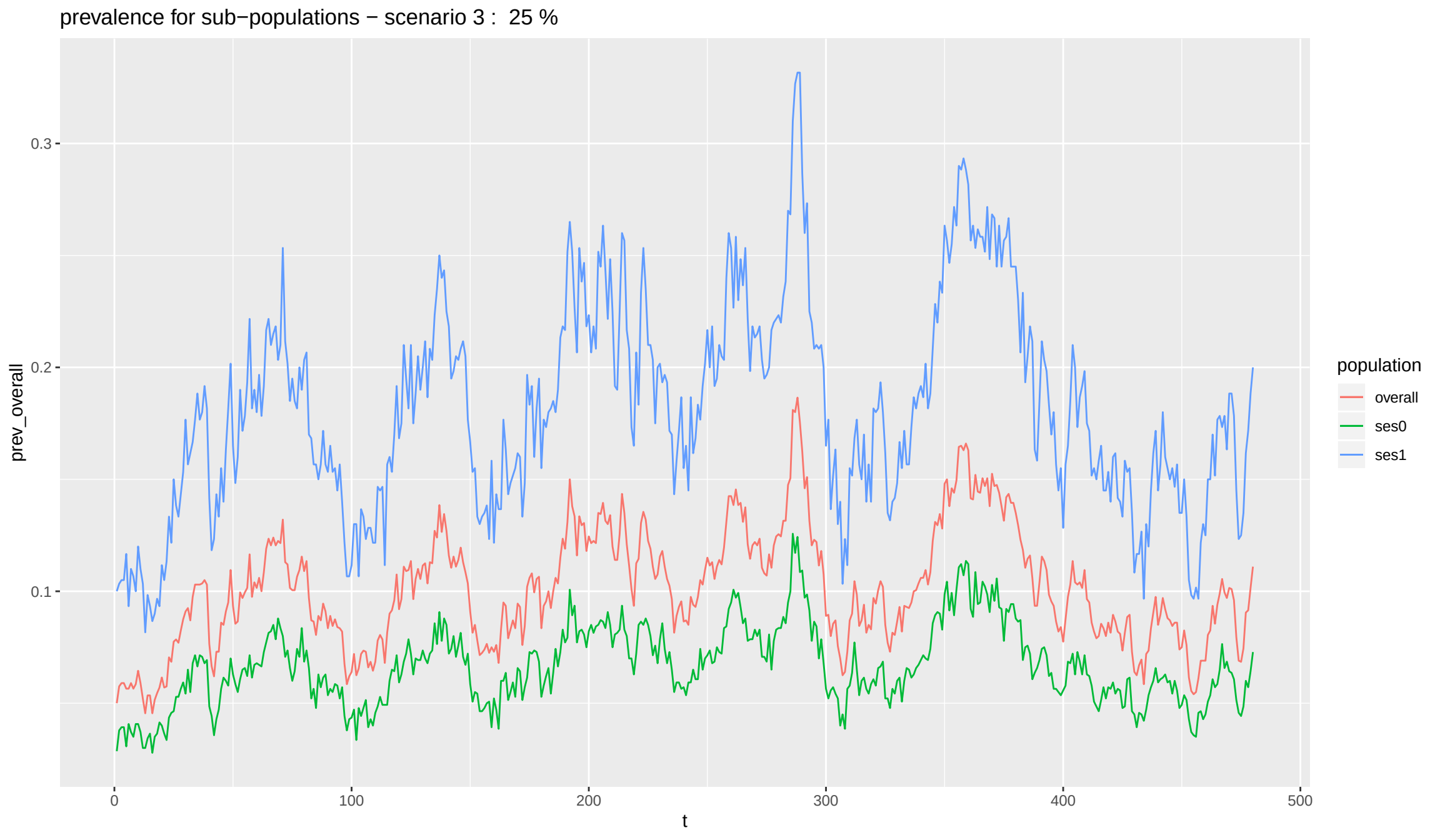

prevalence for sub−populations − scenario 2 : 10 %
prev_overall
0.3
0.2
0.1
0
100
200
300
400
500
t
population
overall
ses0
ses1

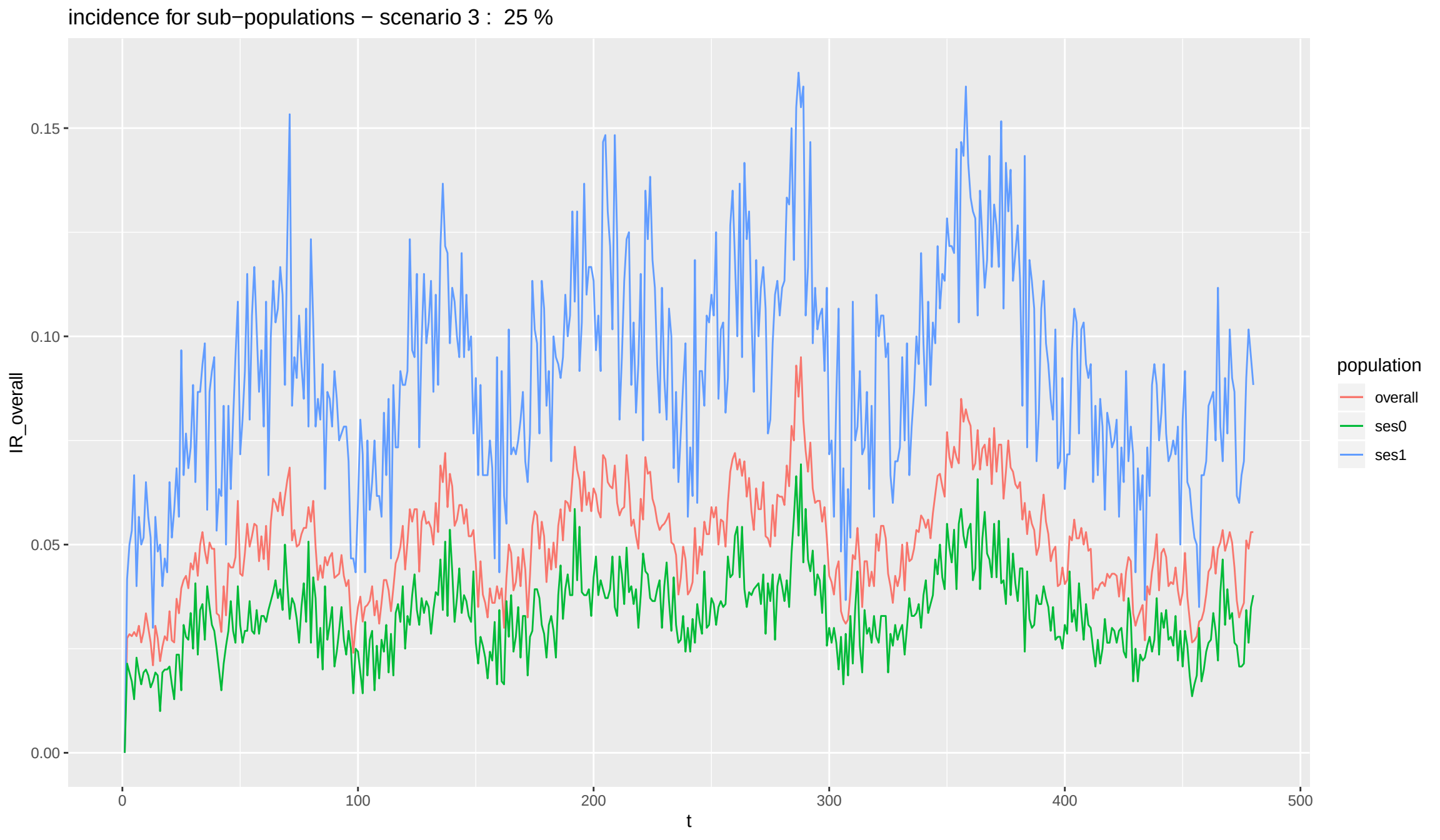

incidence for sub−populations − scenario 2 : 10 %
IR_overall
0.15
0.10
0.05
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1

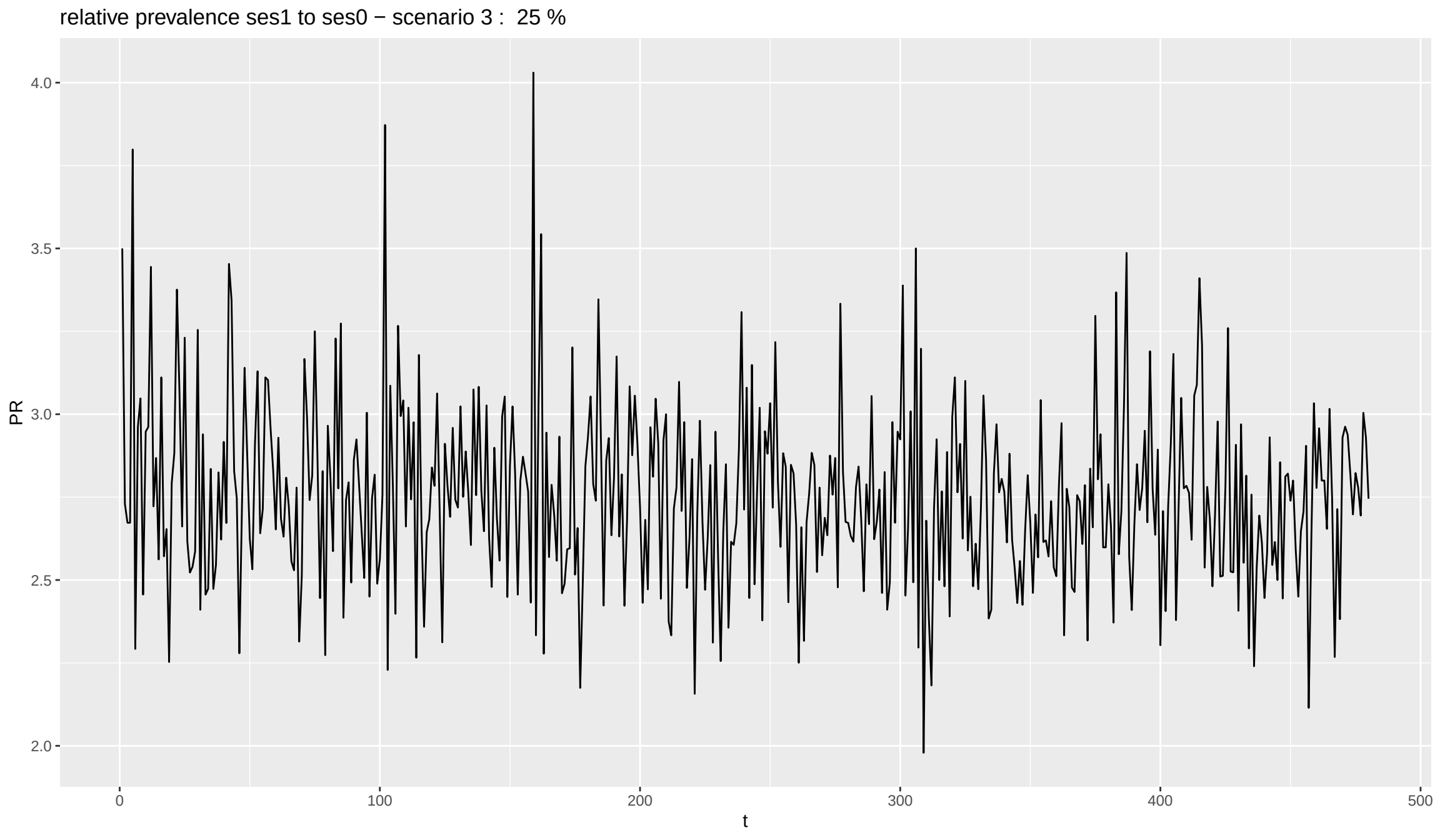

relative prevalence ses1 to ses0 − scenario 2 : 10 %
PR
3.5
3.0
2.5
2.0
0
100
200
300
400
500
t

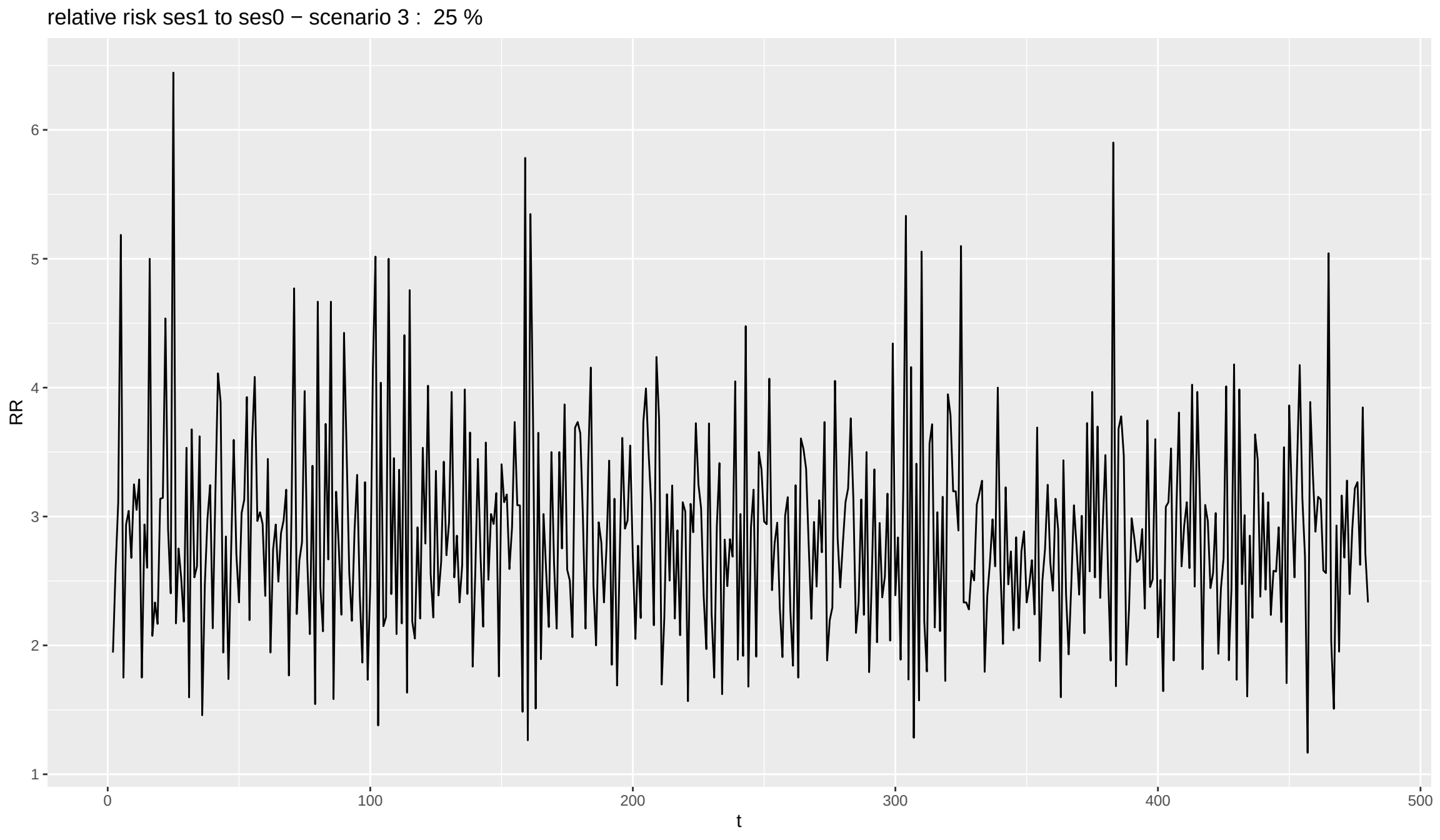

relative risk ses1 to ses0 − scenario 2 : 10 %
RR
t
6
5
4
3
2
1
0
100
200
300
400
500

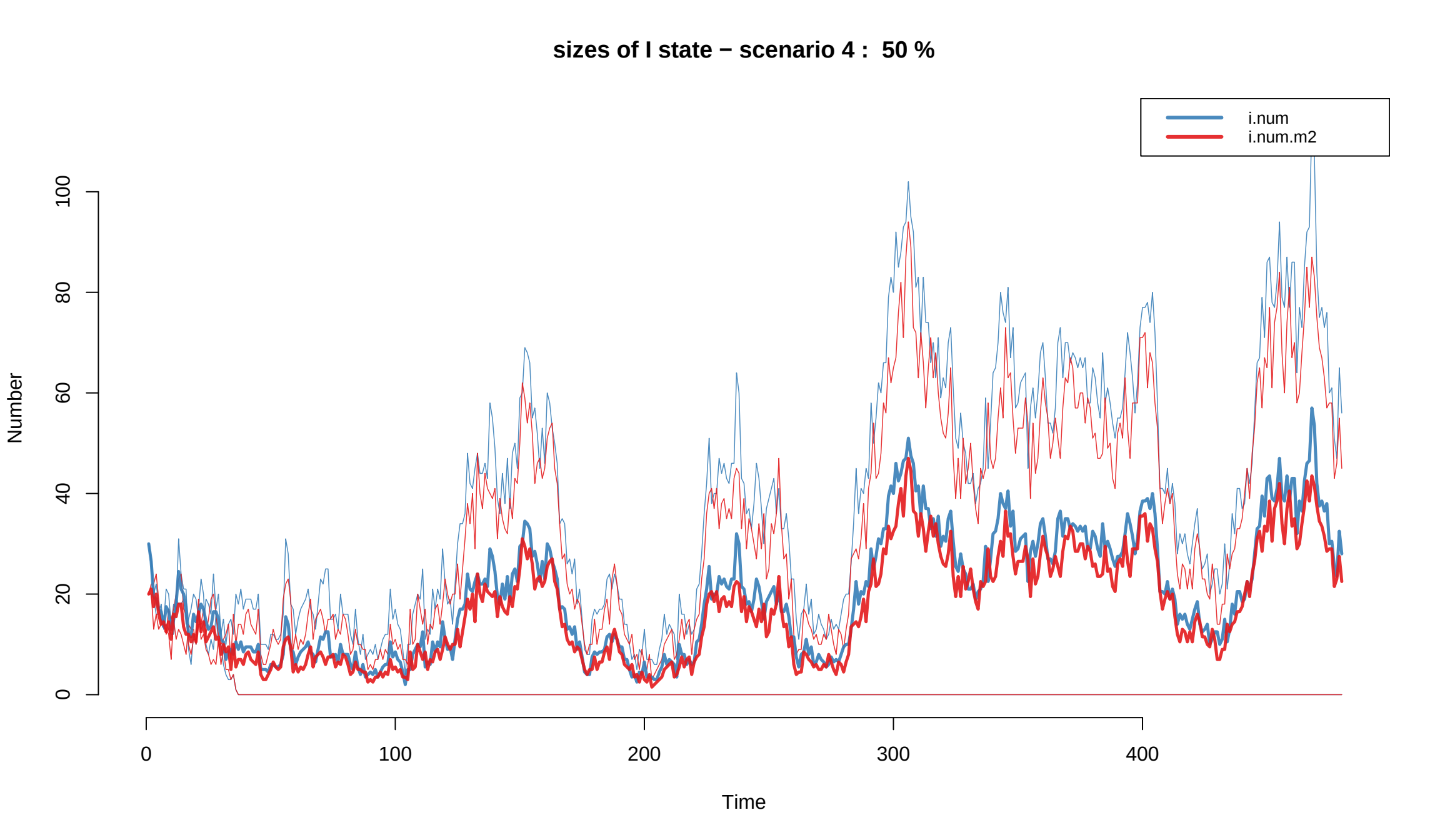

sizes of I state − scenario 3 : 25 %
i.num
i.num.m2
Number
Time
0
20
40
60
80
100
120
0
100
200
300
400

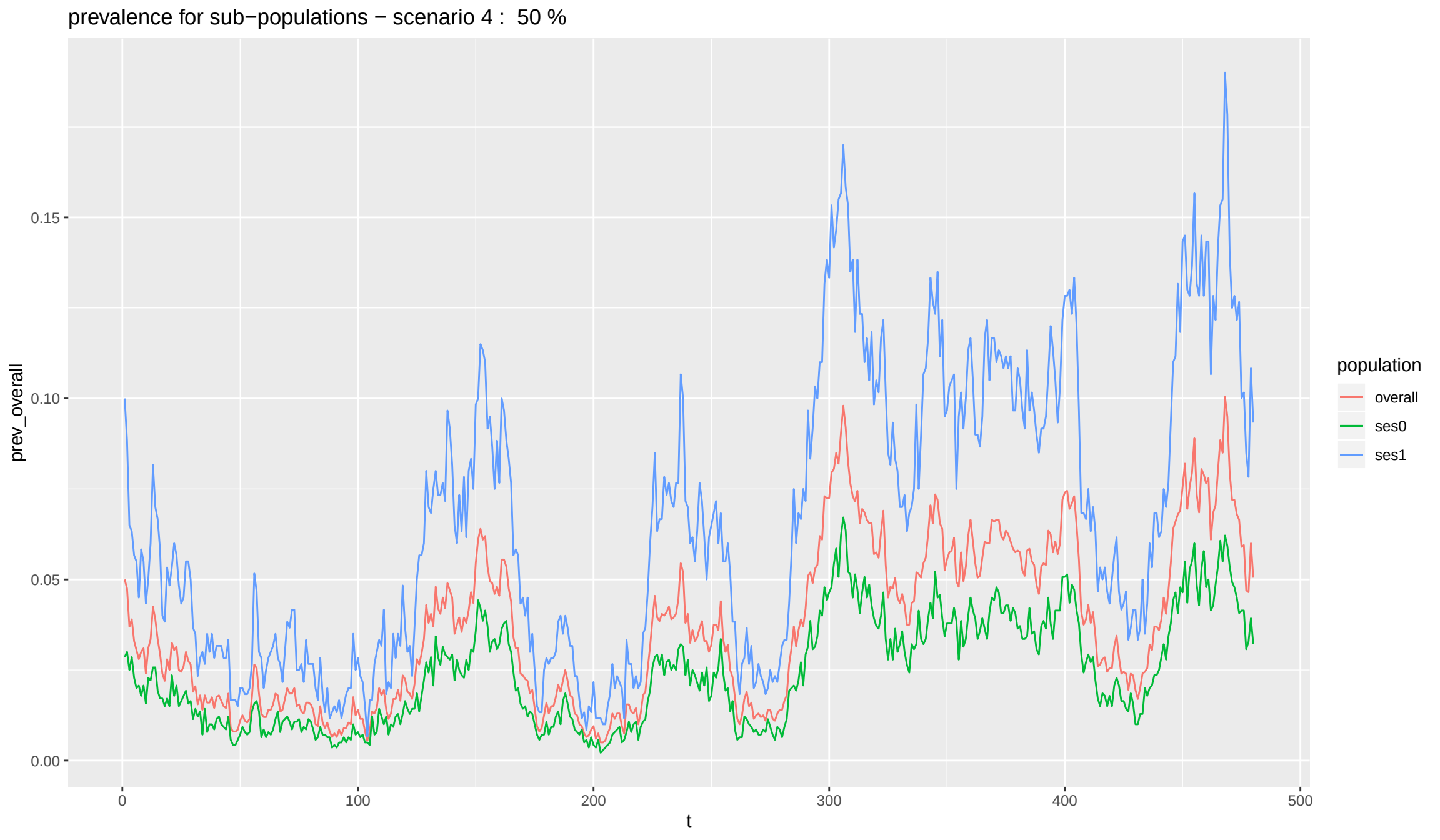

prevalence for sub−populations − scenario 3 : 25 %
prev_overall
0.3
0.2
0.1
0
100
200
300
400
500
t
population
overall
ses0
ses1

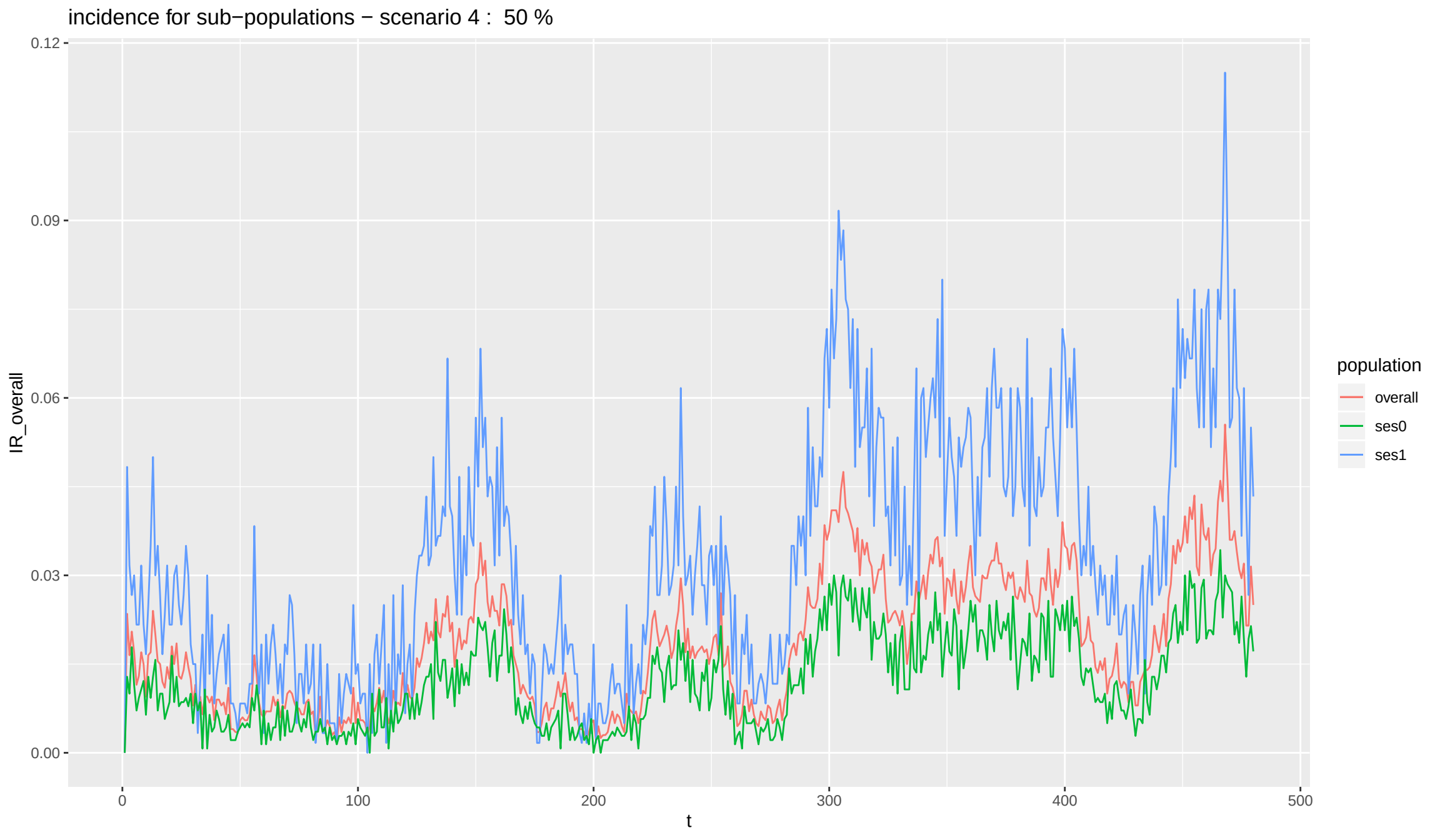

incidence for sub−populations − scenario 3 : 25 %
IR_overall
0.15
0.10
0.05
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1

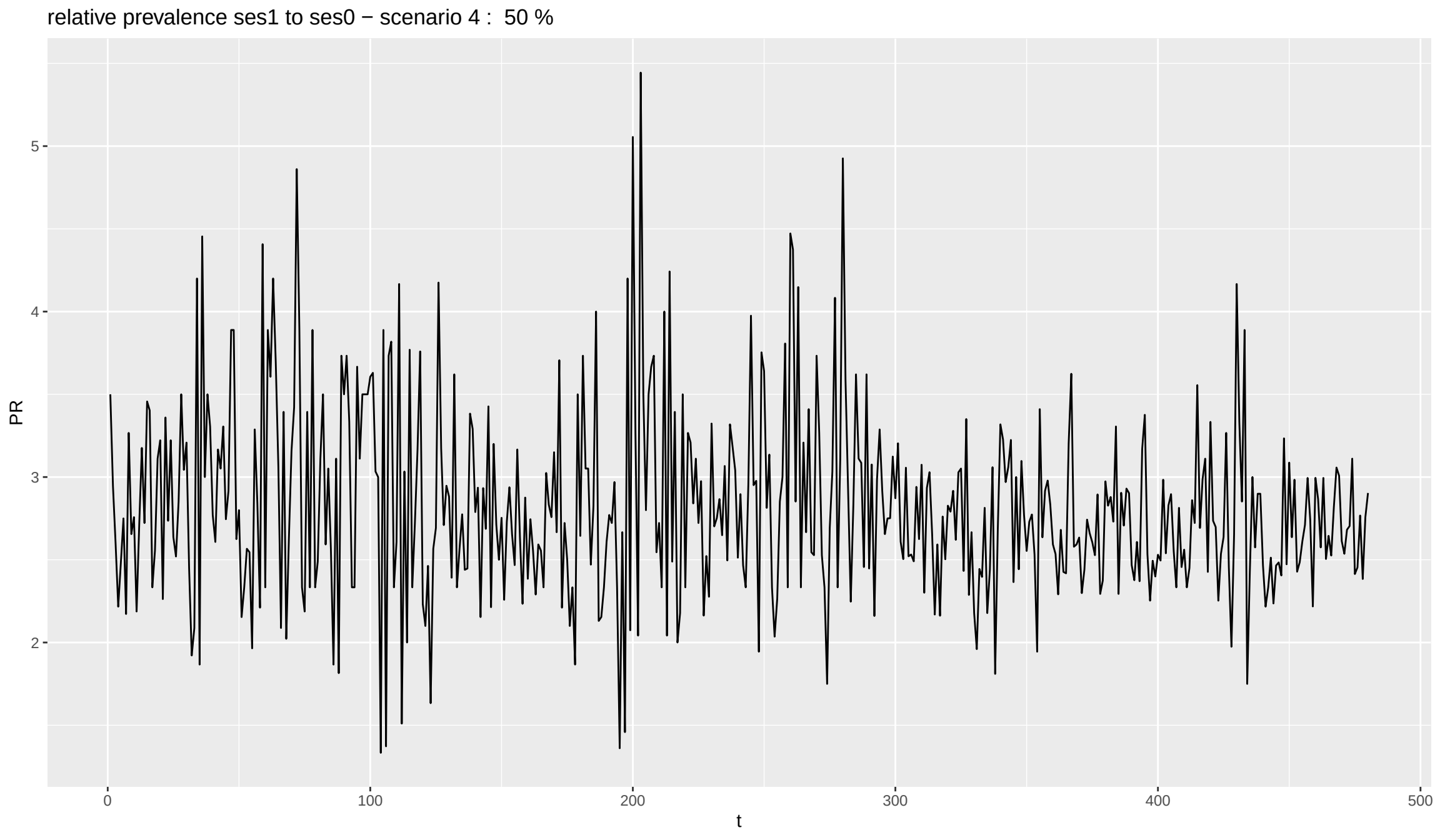

relative prevalence ses1 to ses0 − scenario 3 : 25 %
PR
4.0
3.5
3.0
2.5
2.0
0
100
200
300
400
500
t

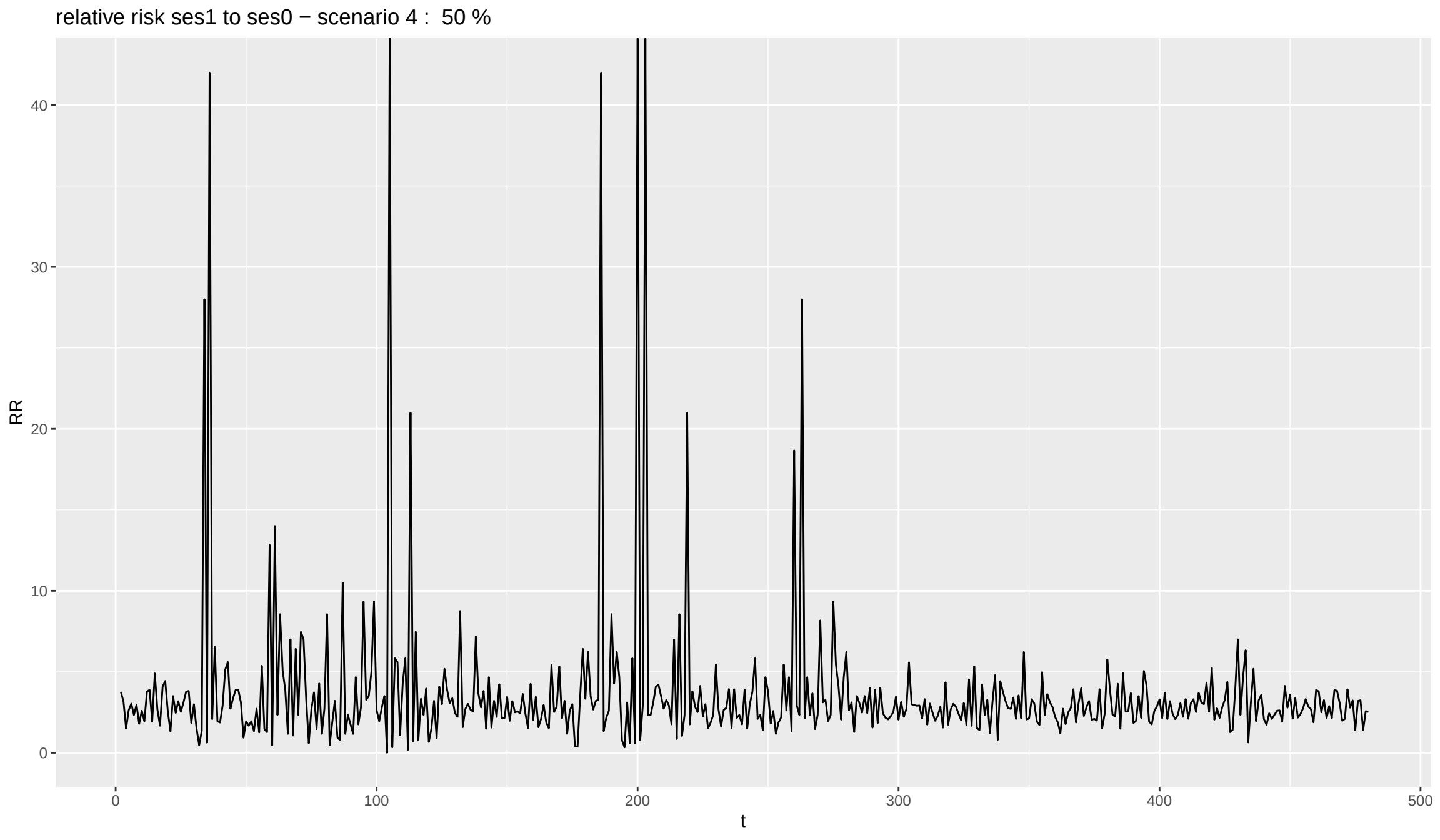

relative risk ses1 to ses0 − scenario 3 : 25 %
RR
t
1
2
3
4
5
6
0
100
200
300
400
500

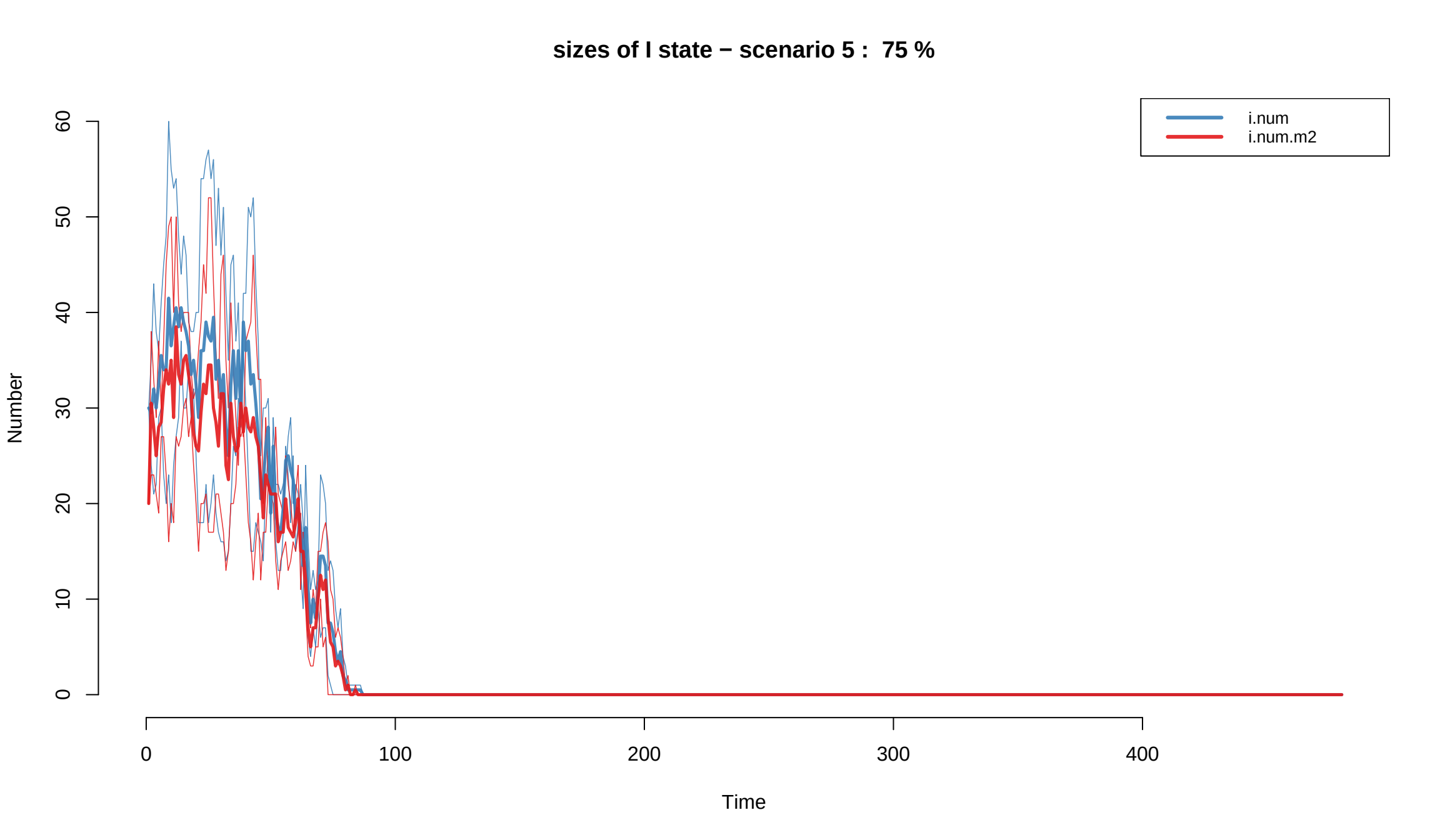

sizes of I state − scenario 4 : 50 %
i.num
i.num.m2
Number
0
20
40
60
80
100
0
100
200
300
400
Time

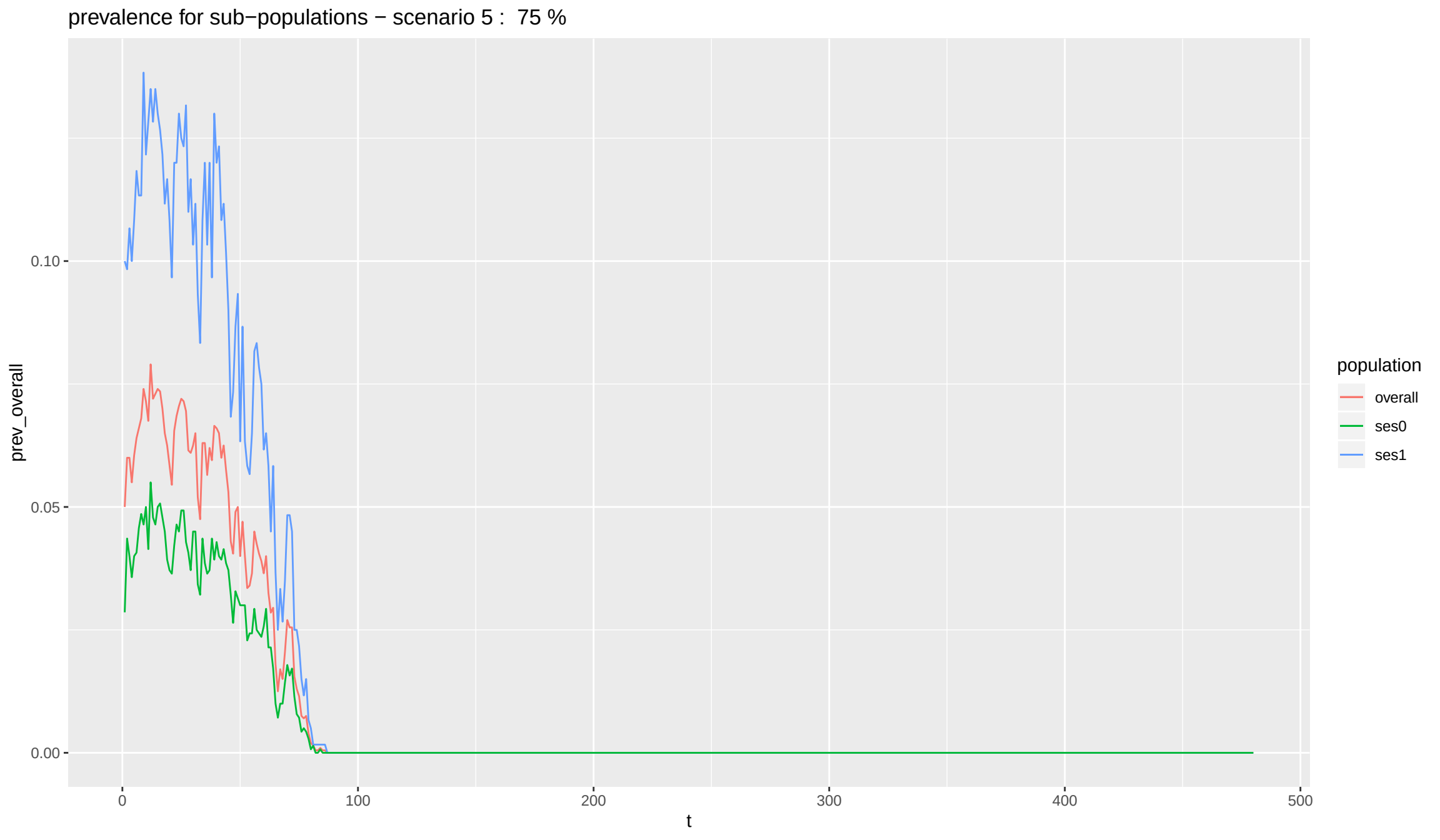

prevalence for sub−populations − scenario 4 : 50 %
prev_overall
0.15
0.10
0.05
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1

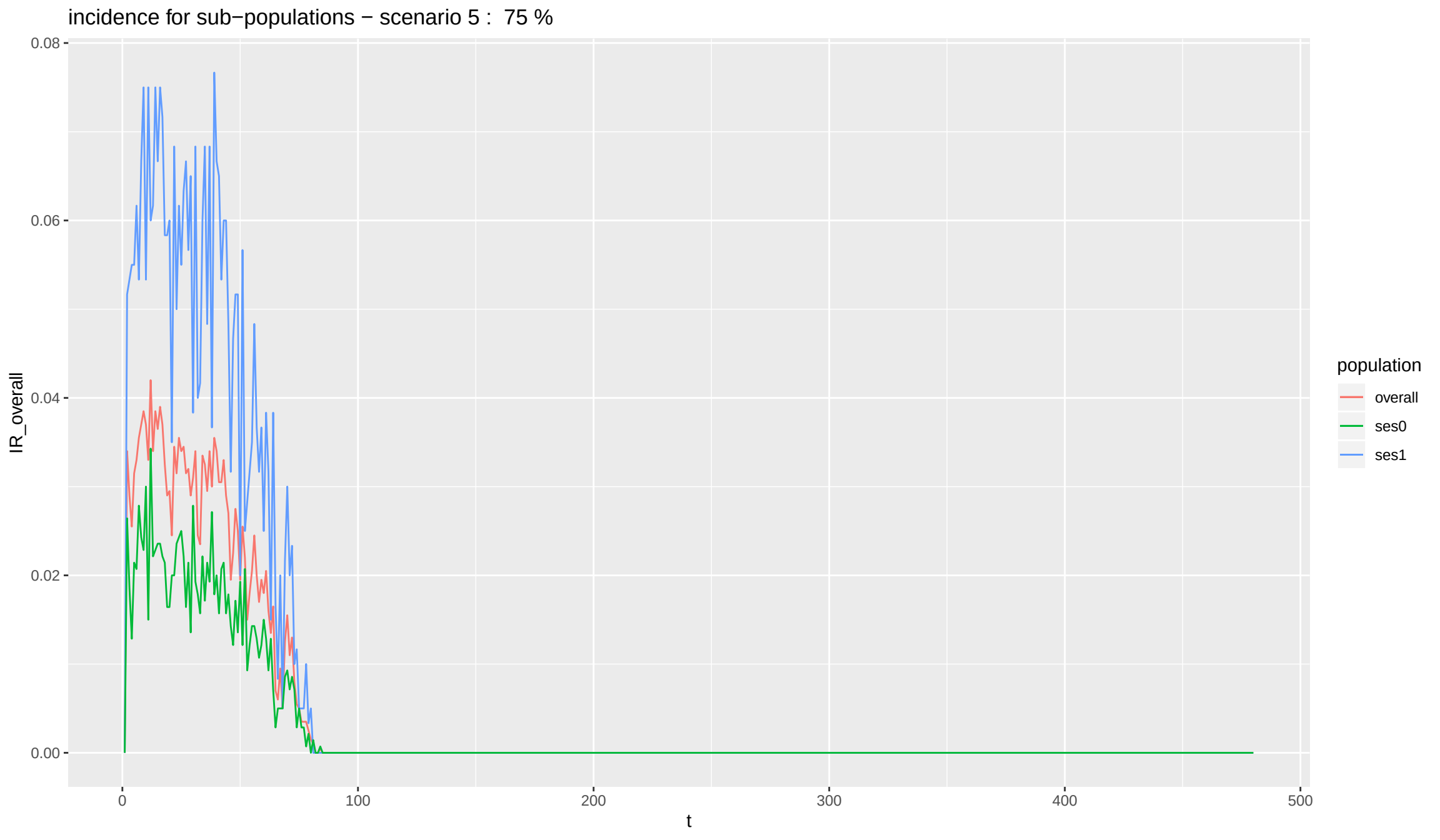

incidence for sub−populations − scenario 4 : 50 %
IR_overall
0.12
0.09
0.06
0.03
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1

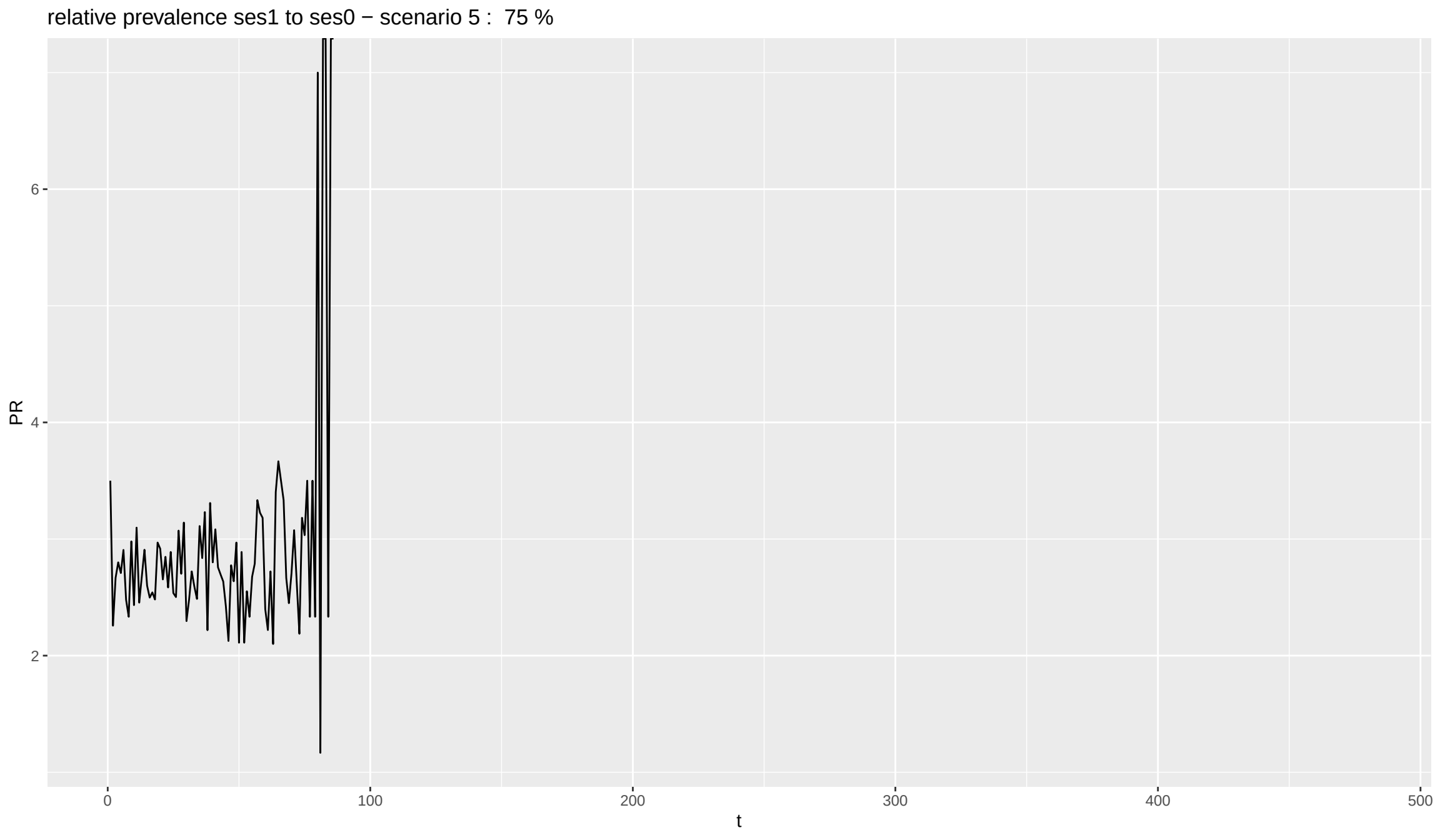

relative prevalence ses1 to ses0 − scenario 4 : 50 %
PR
5
4
3
2
0
100
200
300
400
500
t

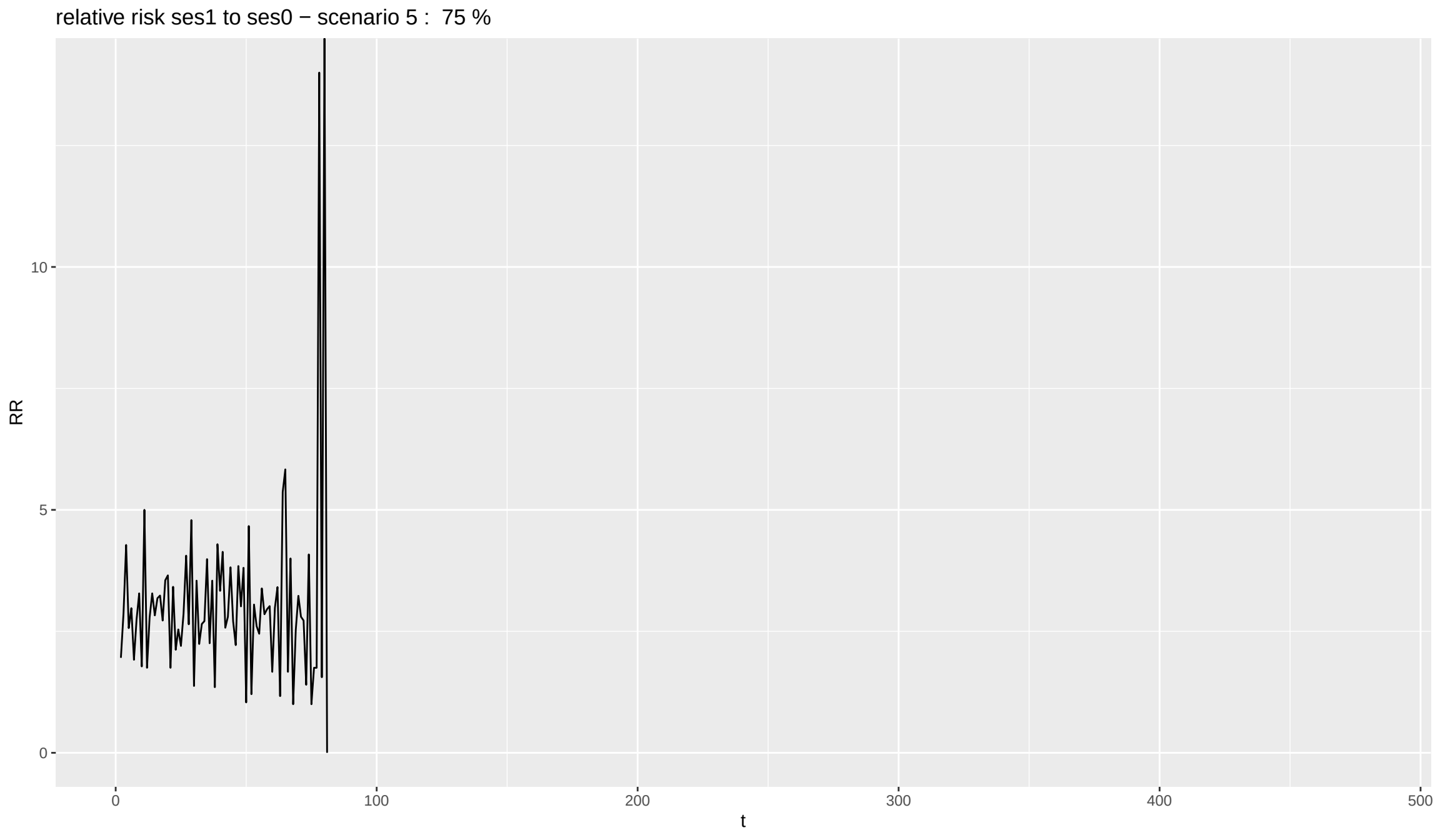

relative risk ses1 to ses0 − scenario 4 : 50 %
RR
t
0
10
20
30
40
0
100
200
300
400
500

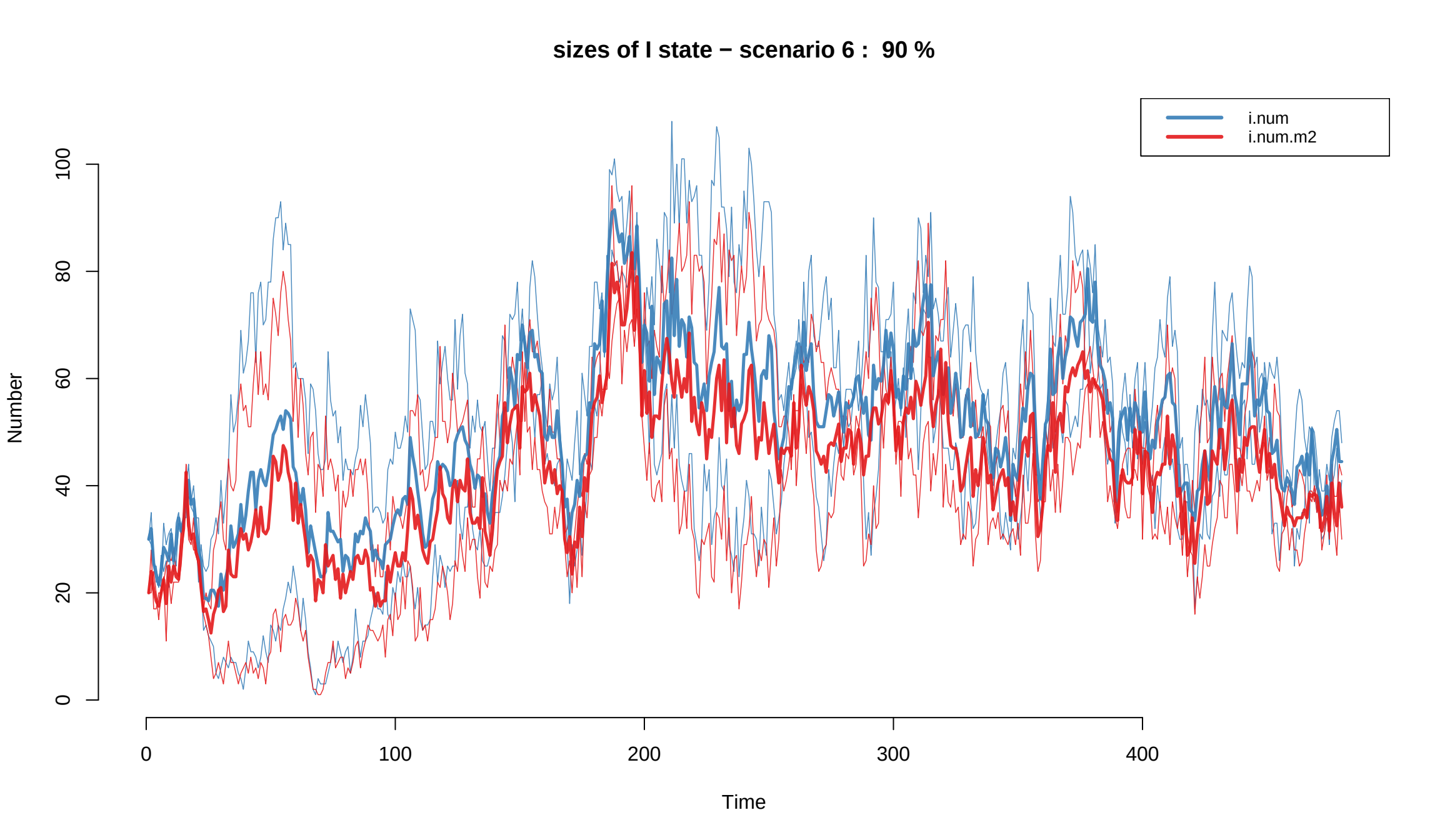

sizes of I state − scenario 5 : 75 %
i.num
i.num.m2
Number
0
10
20
30
40
50
60
0
100
200
300
400
Time

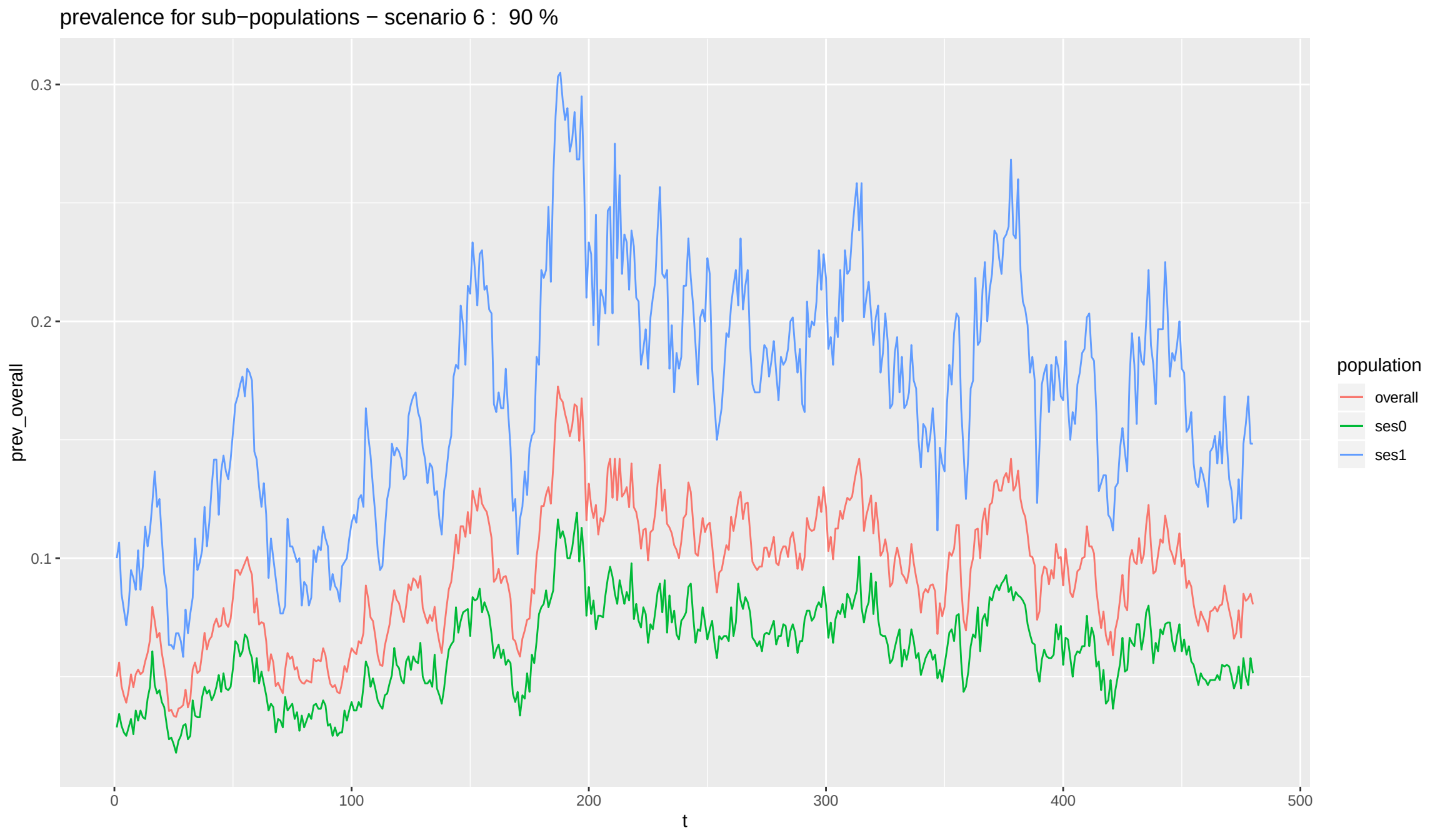

prevalence for sub−populations − scenario 5 : 75 %
prev_overall
0.10
0.05
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1

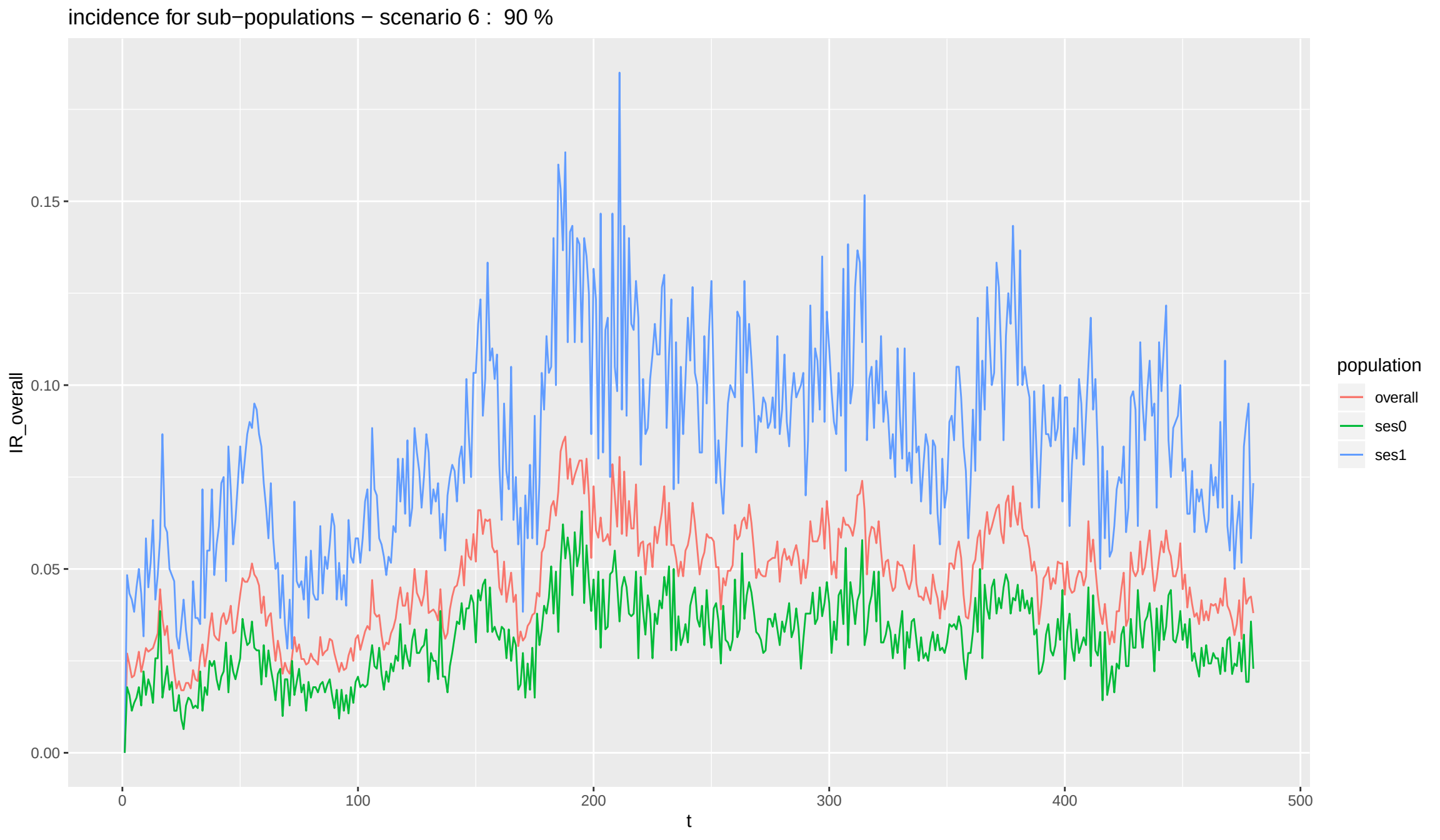

incidence for sub−populations − scenario 5 : 75 %
IR_overall
0.08
0.06
0.04
0.02
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1

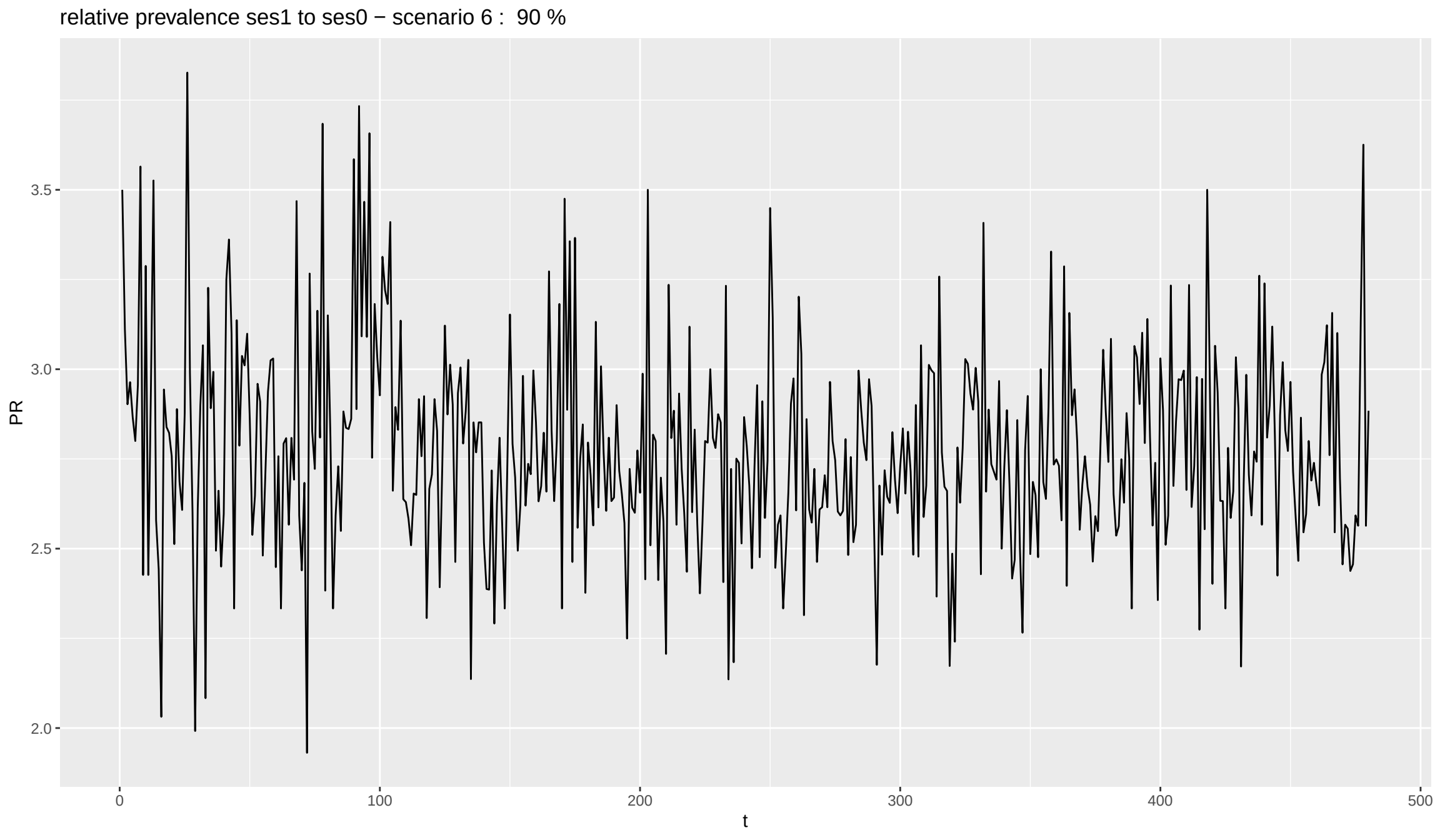

relative prevalence ses1 to ses0 − scenario 5 : 75 %
PR
6
4
2
0
100
200
300
400
500
t

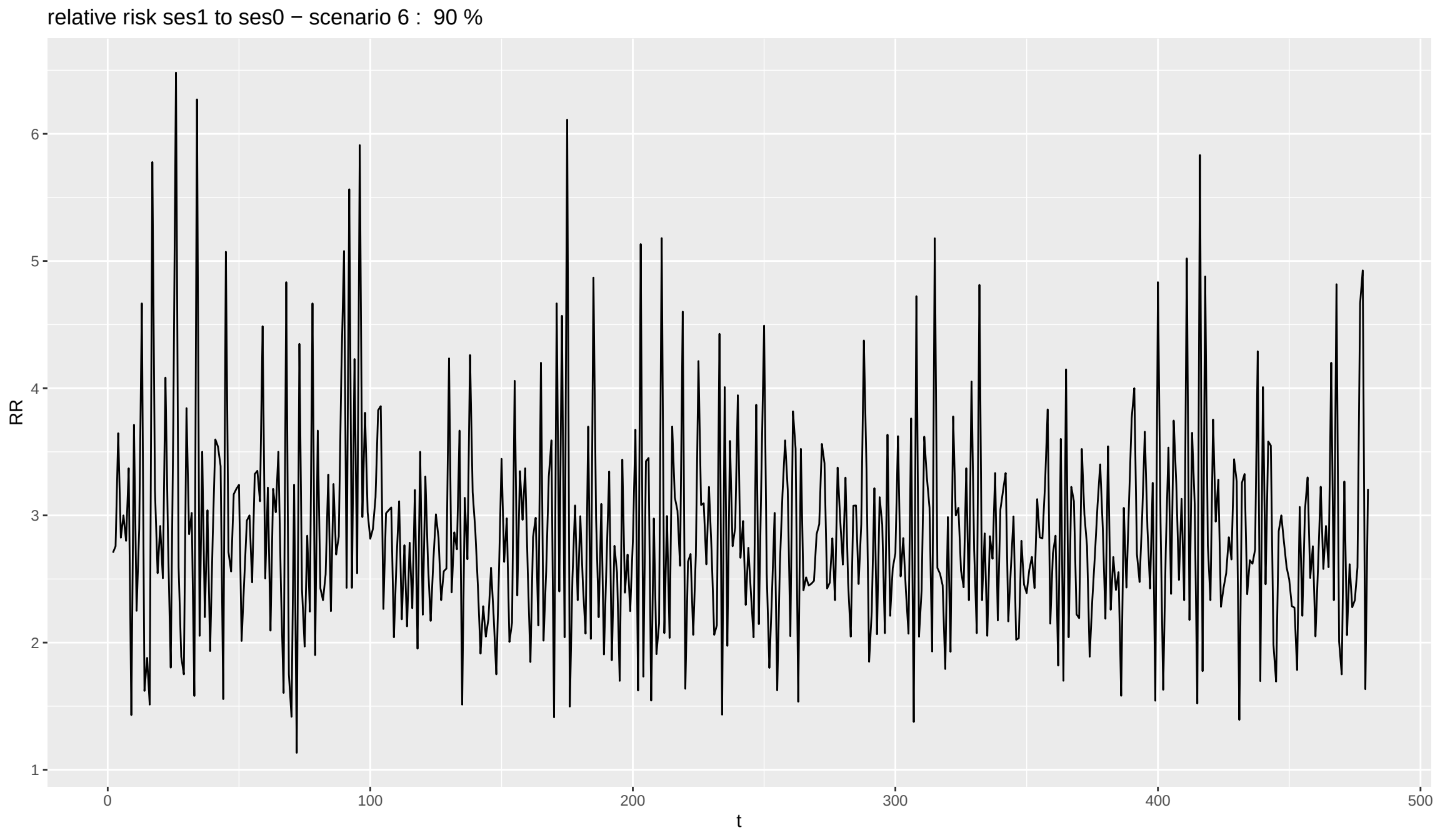

relative risk ses1 to ses0 − scenario 5 : 75 %
RR
10
5
0
0
100
200
300
400
500
t

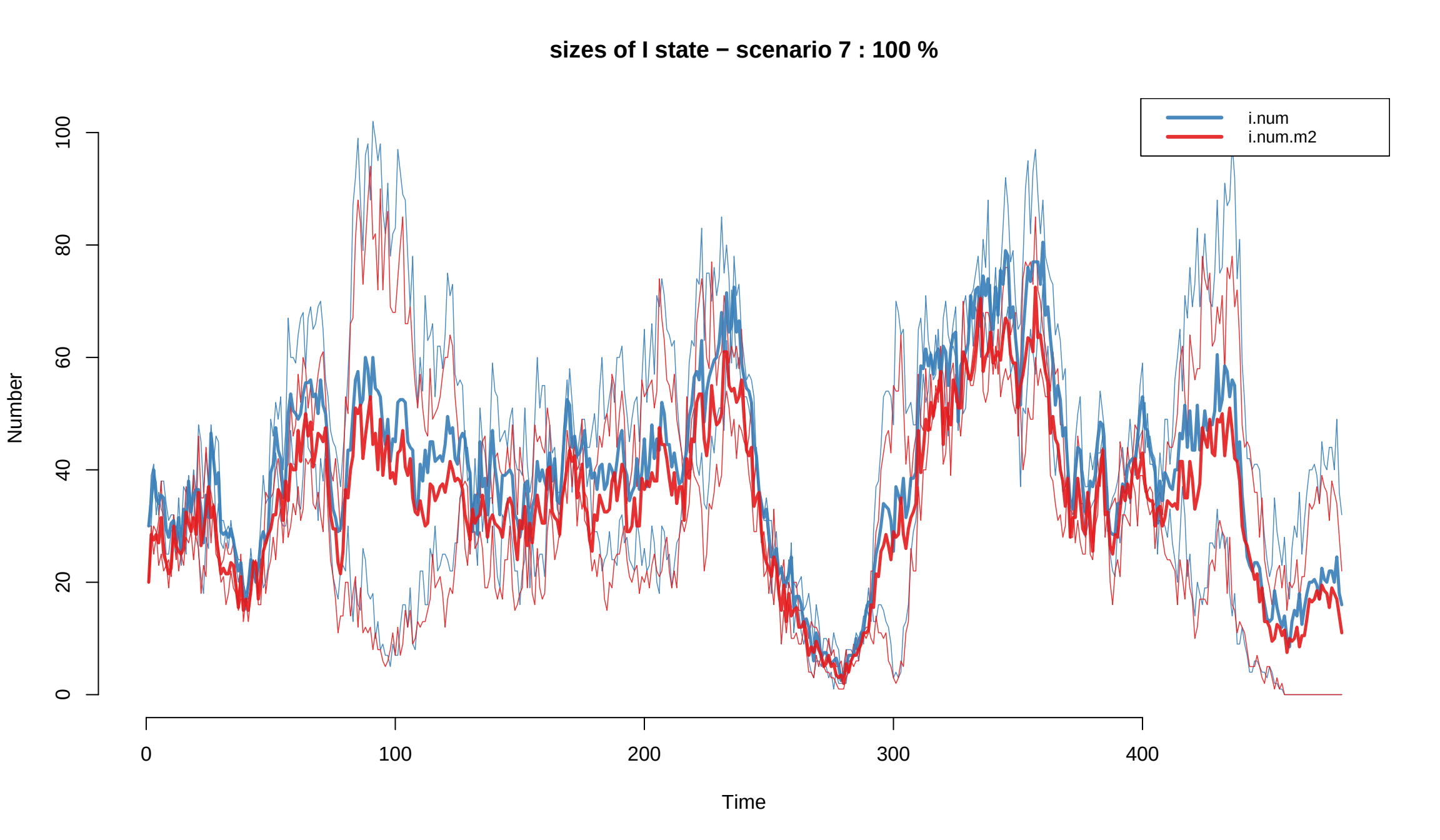

sizes of I state − scenario 6 : 90 %
i.num
i.num.m2
Number
0
20
40
60
80
100
0
100
200
300
400
Time

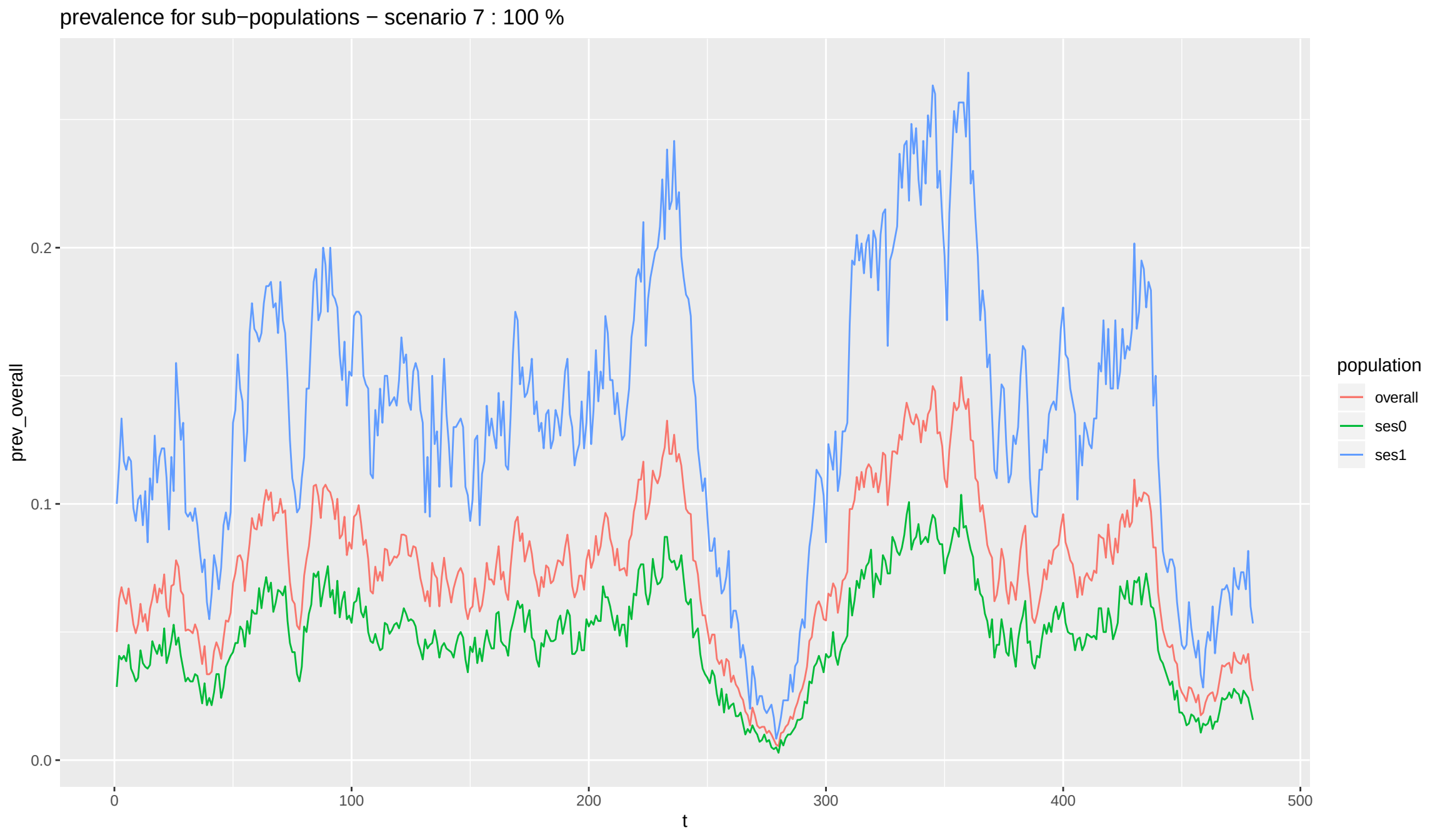

prevalence for sub−populations − scenario 6 : 90 %
prev_overall
0.3
0.2
0.1
0
100
200
300
400
500
t
population
overall
ses0
ses1

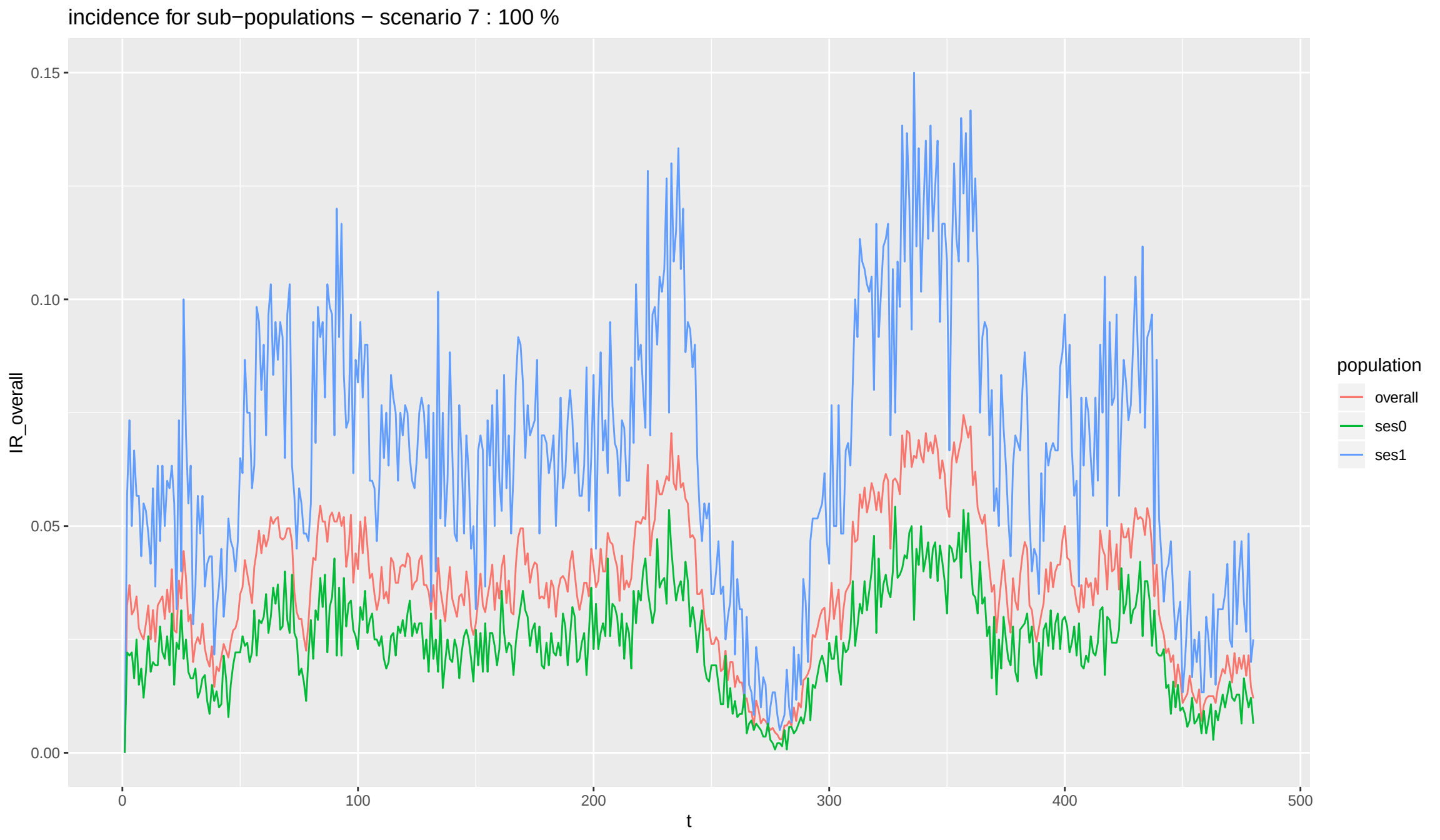

incidence for sub−populations − scenario 6 : 90 %
IR_overall
0.00
0.05
0.10
0.15
0
100
200
300
400
500
t
population
overall
ses0
ses1

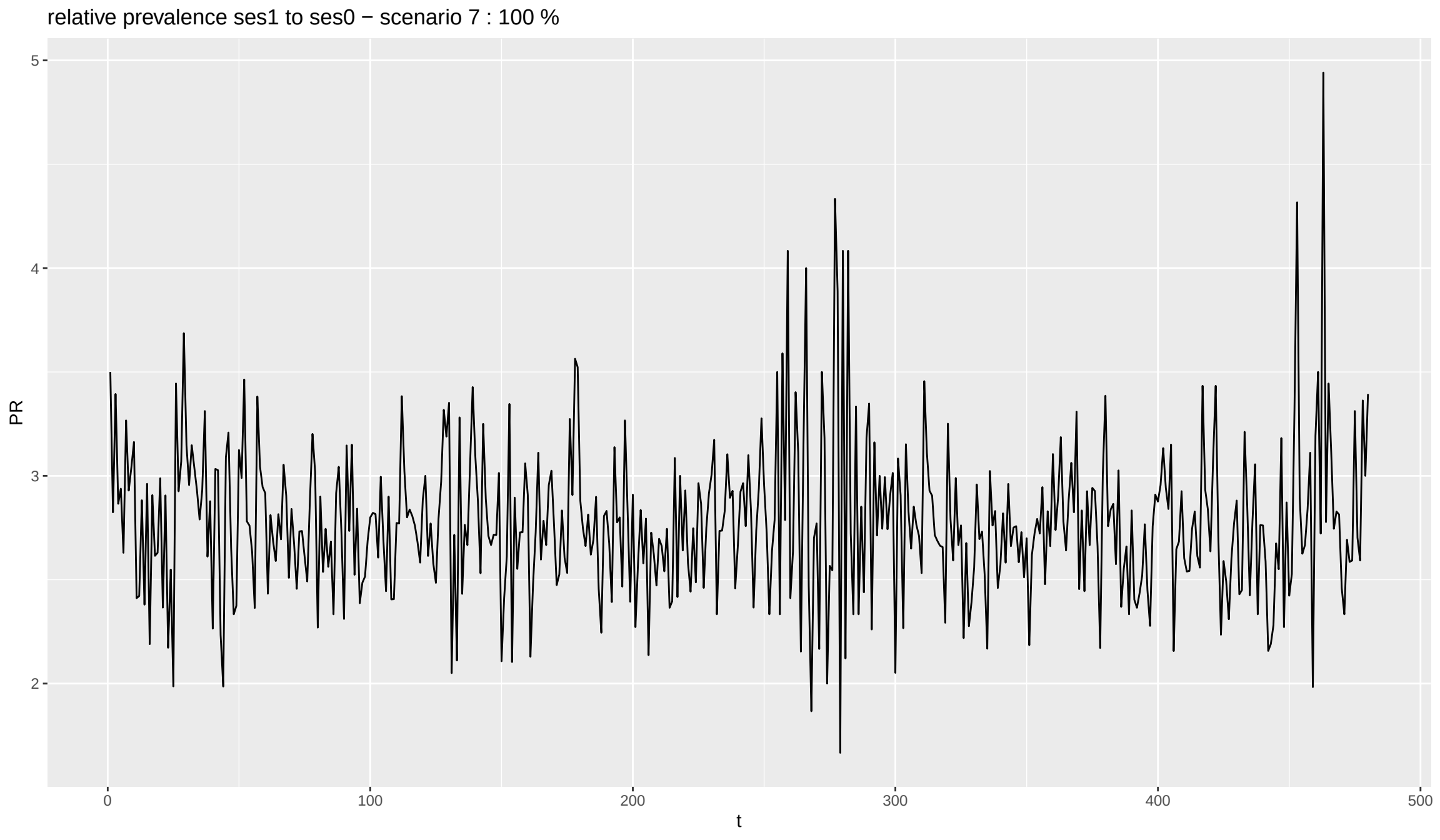

relative prevalence ses1 to ses0 − scenario 6 : 90 %
PR
3.5
3.0
2.5
2.0
0
100
200
300
400
500
t

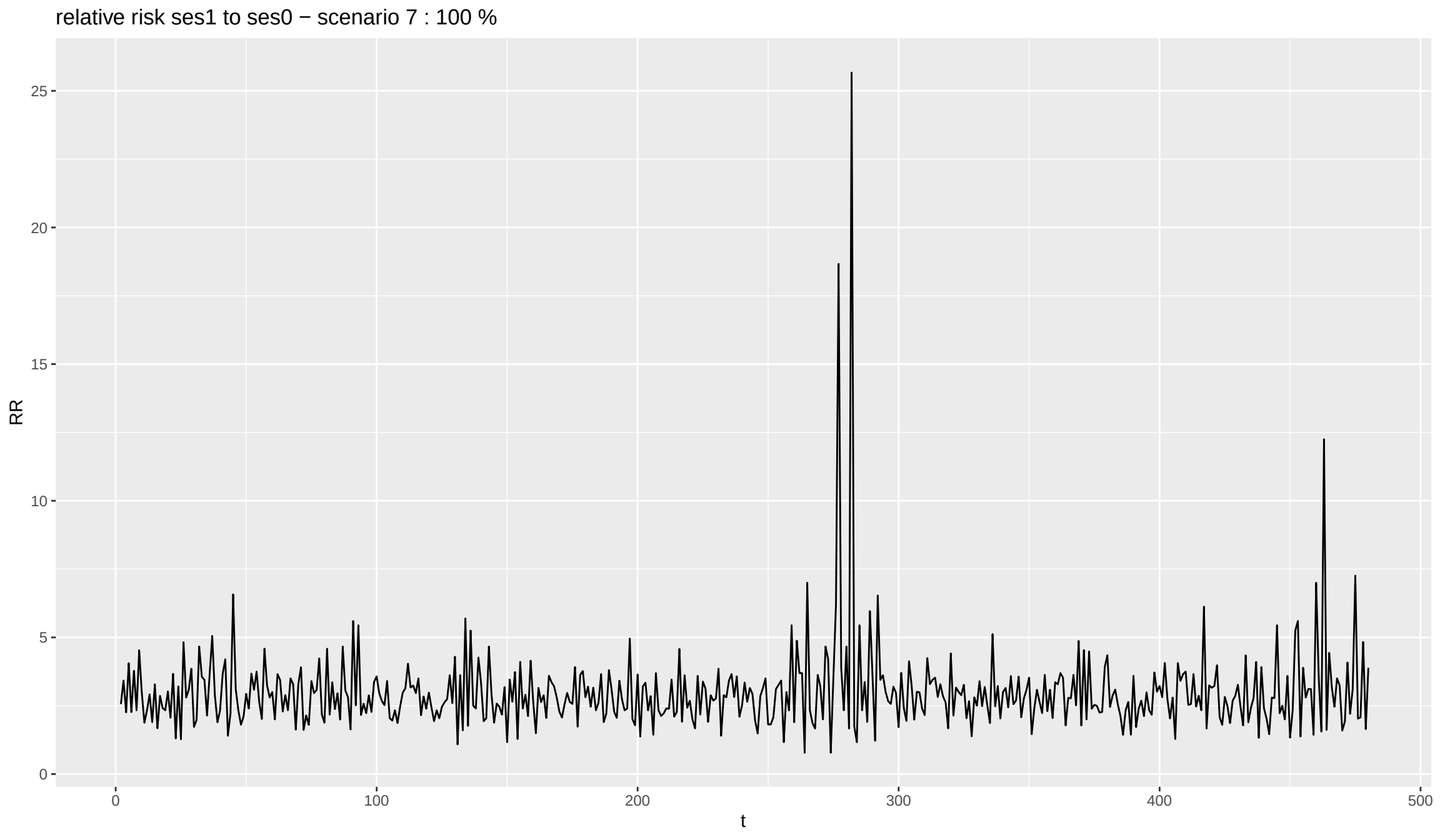

relative risk ses1 to ses0 − scenario 6 : 90 %
RR
t
1
2
3
4
5
6
0
100
200
300
400
500


sizes of I state − scenario 7 : 100 %
i.num
i.num.m2
Number
0
20
40
60
80
100
0
100
200
300
400
Time


prevalence for sub−populations − scenario 7 : 100 %
prev_overall
0.0
0.1
0.2
0
100
200
300
400
500
t
population
overall
ses0
ses1


incidence for sub−populations − scenario 7 : 100 %
IR_overall
0.15
0.10
0.05
0.00
0
100
200
300
400
500
t
population
overall
ses0
ses1


relative prevalence ses1 to ses0 − scenario 7 : 100 %
PR
5
4
3
2
0
100
200
300
400
500
t


relative risk ses1 to ses0 − scenario 7 : 100 %
RR
t
0
5
10
15
20
25
0
100
200
300
400
500

	scenario	overall_prev_mean	overall_prev_sd	ses1_prev_mean	ses1_prev_sd	ses0_prev_mean	ses0_prev_sd	PR_mean	PR_sd
1	1	0.067	0.013	0.121	0.023	0.043	0.009	2.812	0.328
2	2	0.102	0.028	0.182	0.05	0.067	0.019	2.724	0.298
3	3	0.089	0.016	0.16	0.031	0.058	0.011	2.741	0.254
4	4	0.053	0.02	0.095	0.037	0.035	0.014	2.713	0.367
5	5	0	0	0	0	0	0	NaN	NA
6	6	0.092	0.016	0.166	0.03	0.06	0.011	2.786	0.263
7	7	0.062	0.026	0.112	0.047	0.041	0.018	2.776	0.422

	scenario	overall_IR_mean	overall_IR_sd	ses1_IR_mean	ses1_IR_sd	ses0_IR_mean	ses0_IR_sd	RR_mean	RR_sd
1	1	0.043	0.012	0.077	0.025	0.028	0.009	2.88	0.974
2	2	0.052	0.015	0.093	0.029	0.034	0.011	2.828	0.783
3	3	0.05	0.013	0.091	0.026	0.033	0.01	2.87	0.8
4	4	0.018	0.011	0.033	0.021	0.012	0.008	Inf	NaN
5	5	0.004	0.01	0.007	0.019	0.003	0.007	Inf	NaN
6	6	0.047	0.014	0.084	0.027	0.031	0.011	2.868	0.861
7	7	0.037	0.015	0.067	0.03	0.024	0.011	2.994	1.677