

PCA – Scree Plot

Percentage of explained variances

50

40

30

20

10

0

1

2

3

4

5

6

7

Dimensions

24.9%

19.3%

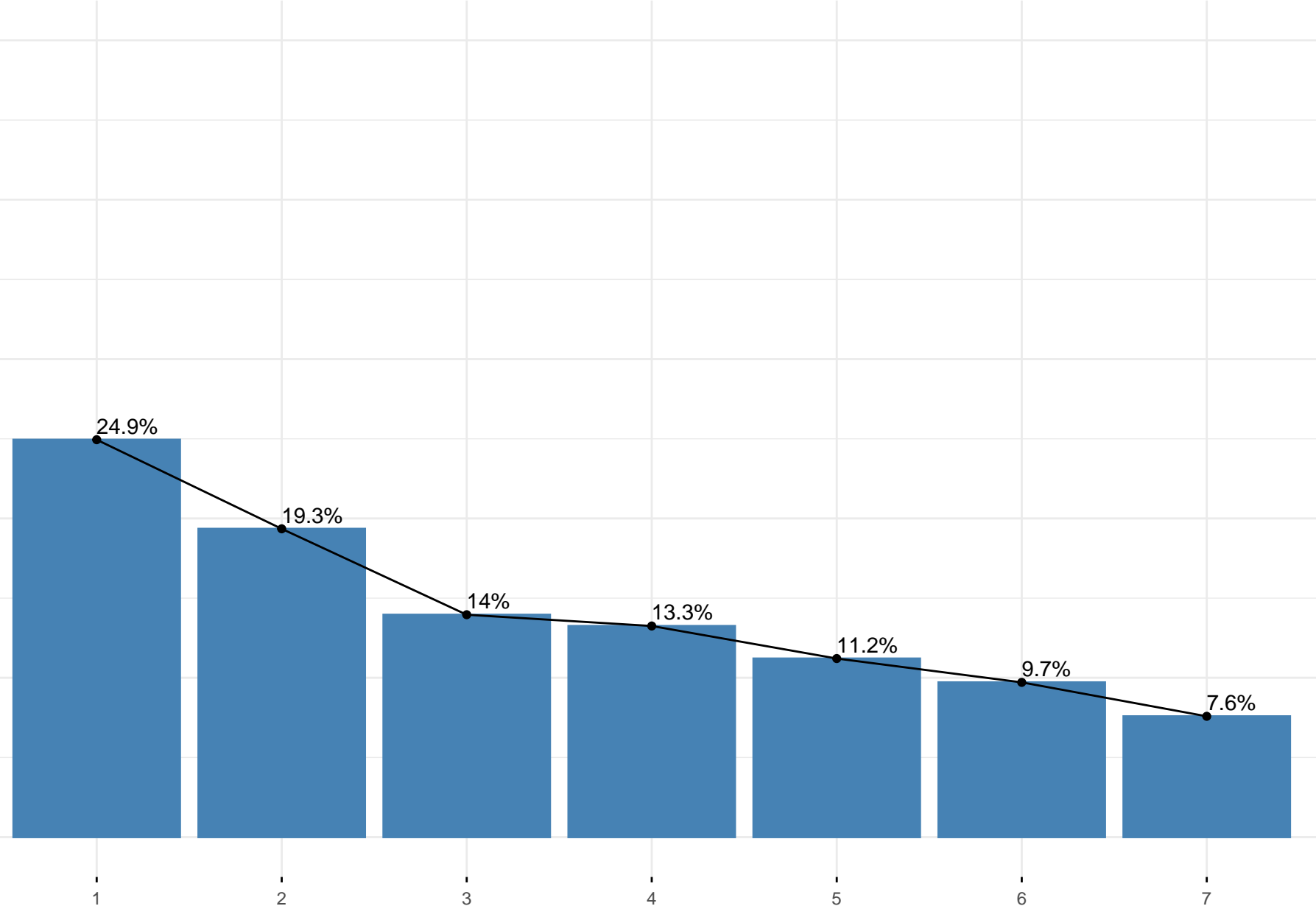
14%

13.3%

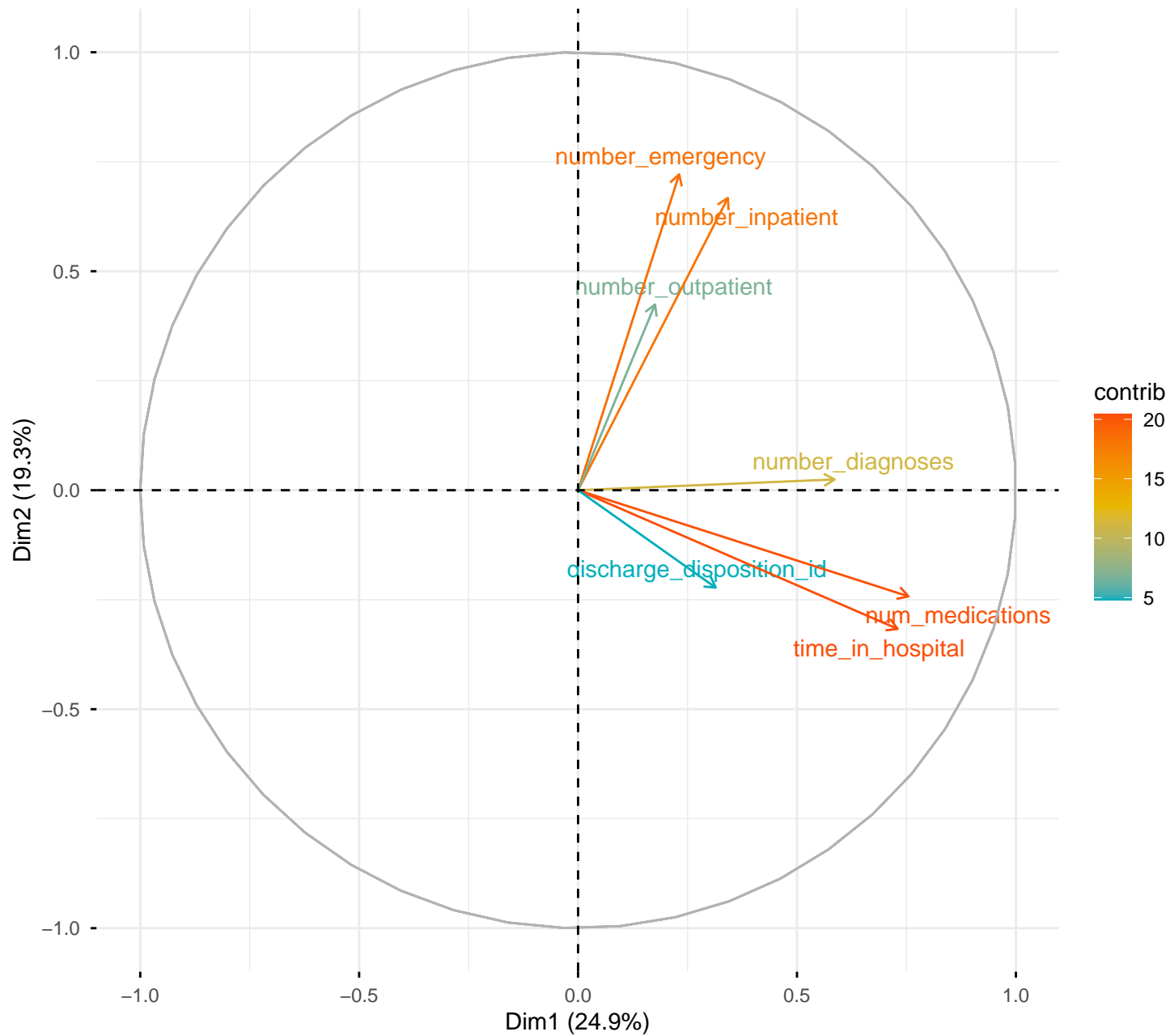
11.2%

9.7%

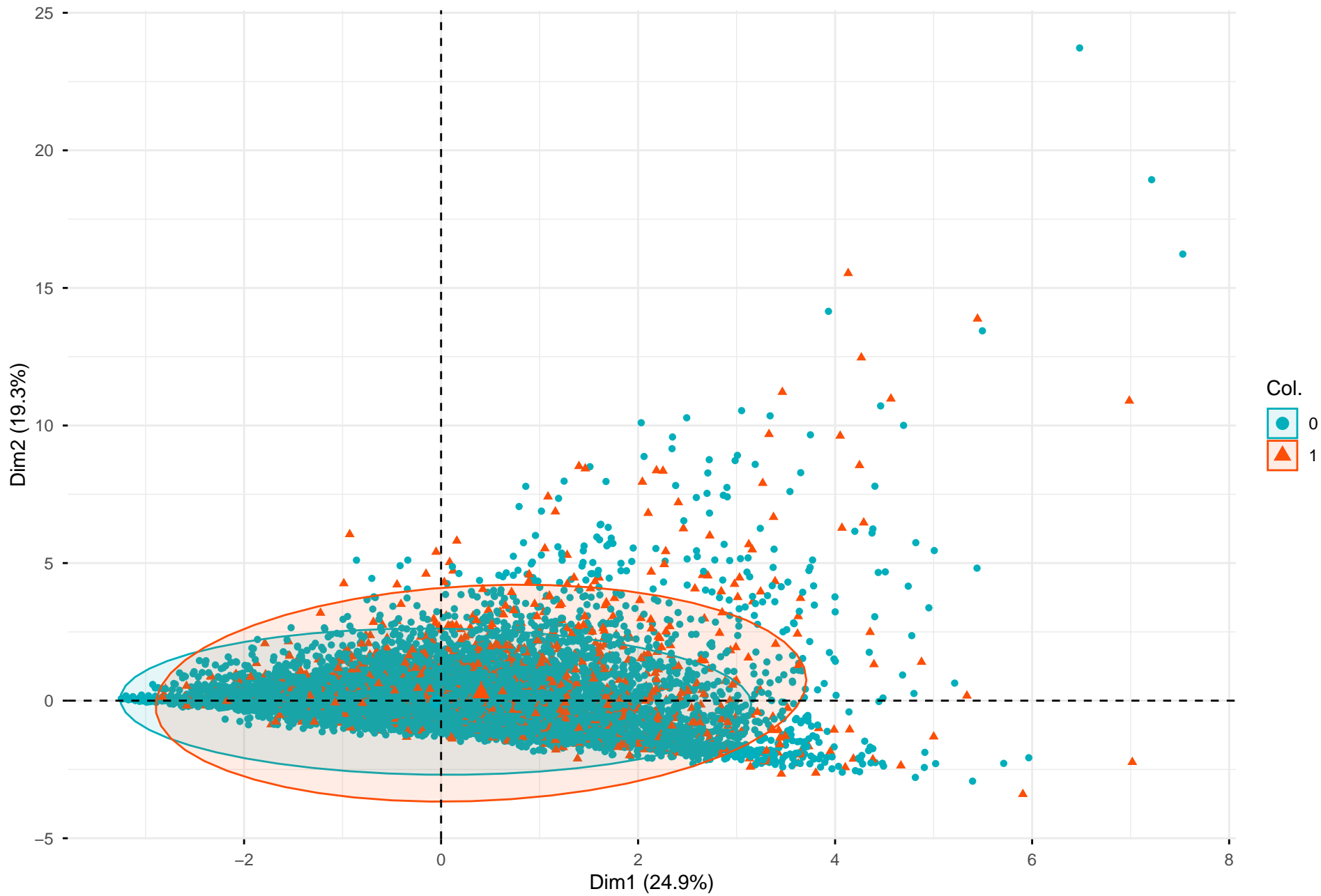
7.6%



PCA – Variable Contribution



PCA – Individuals



Contribution to PC1

Contributions (%)

30

20

10

0

num_medications

time_in_hospital

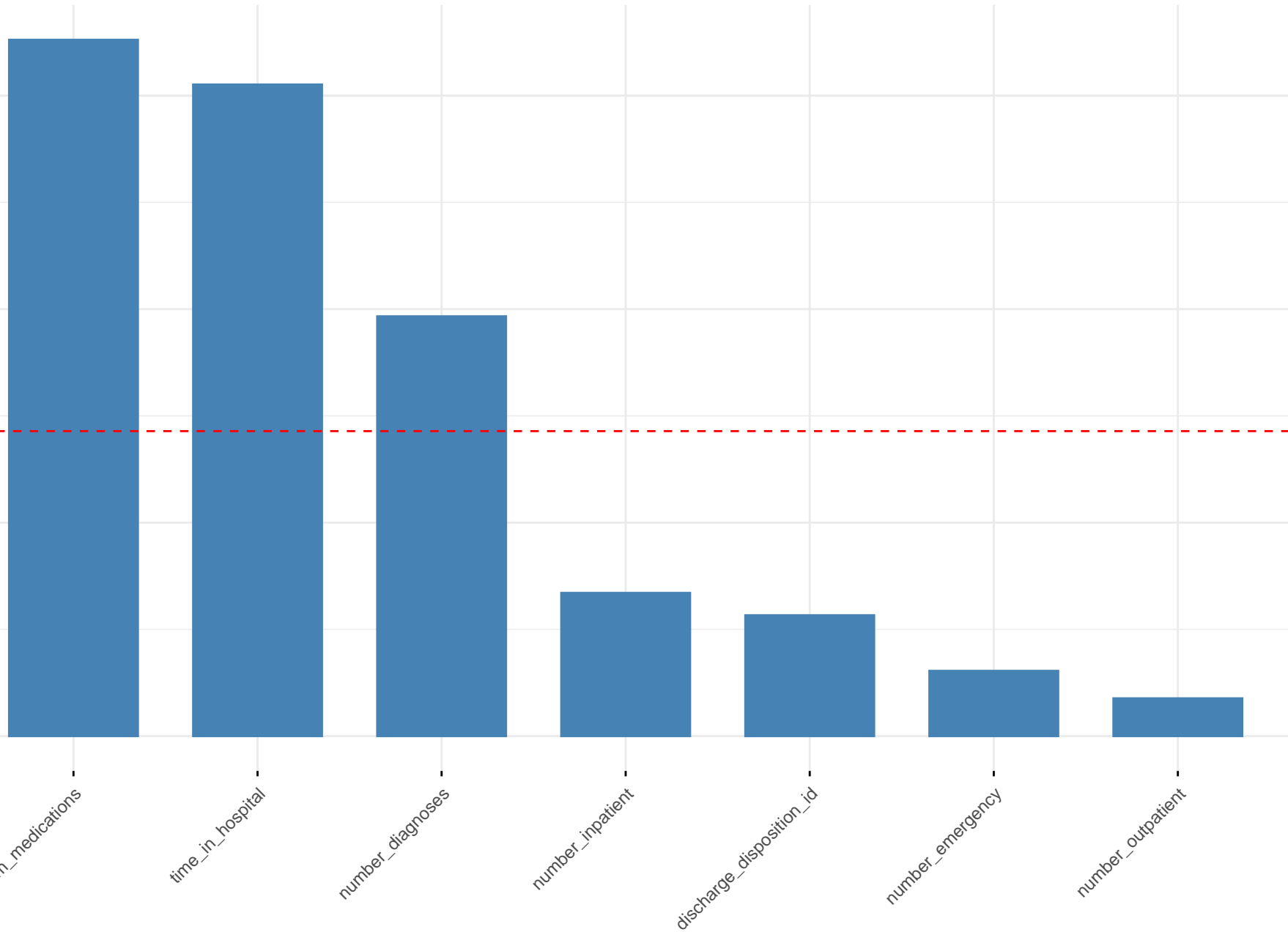
number_diagnoses

number_inpatient

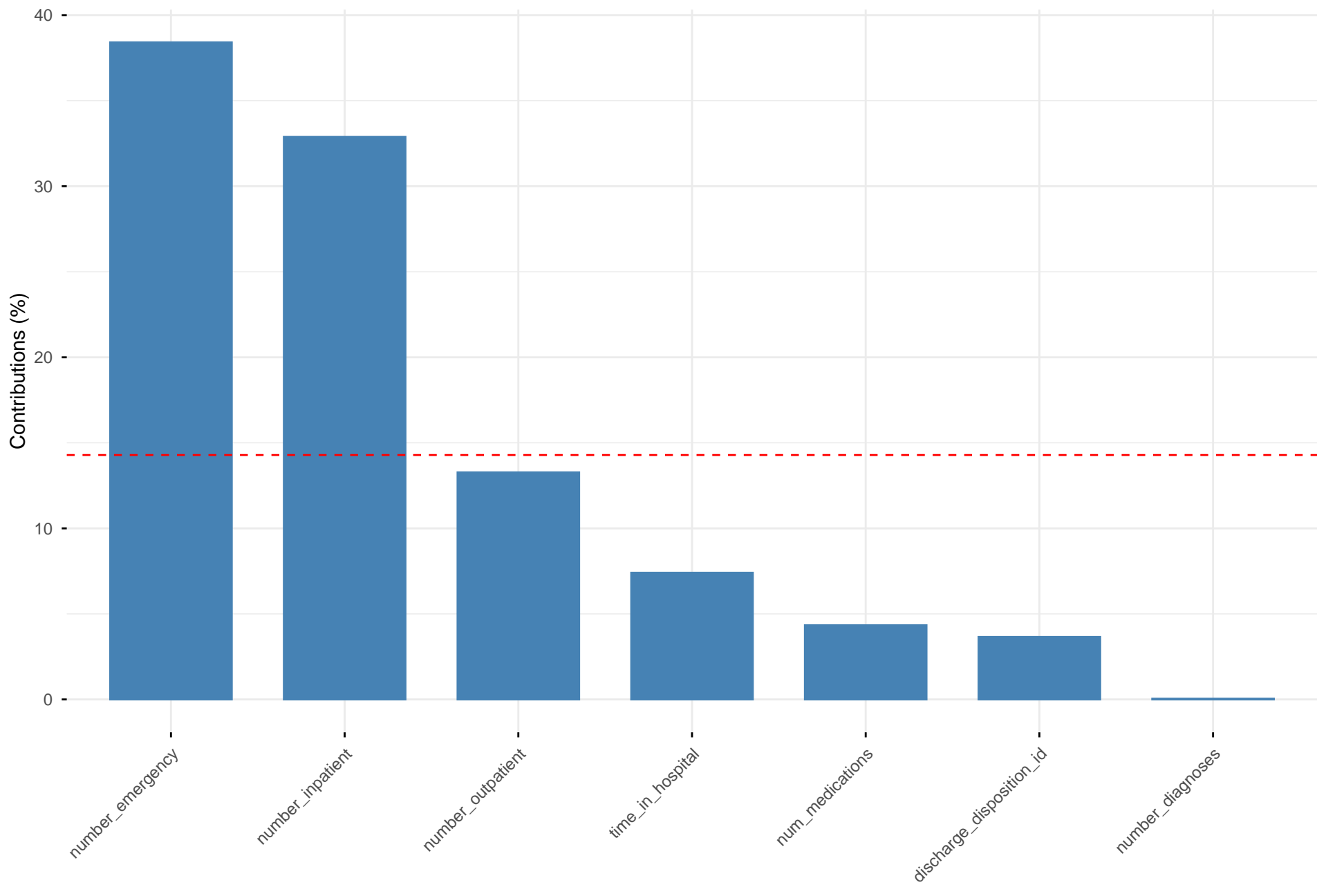
discharge_disposition_id

number_emergency

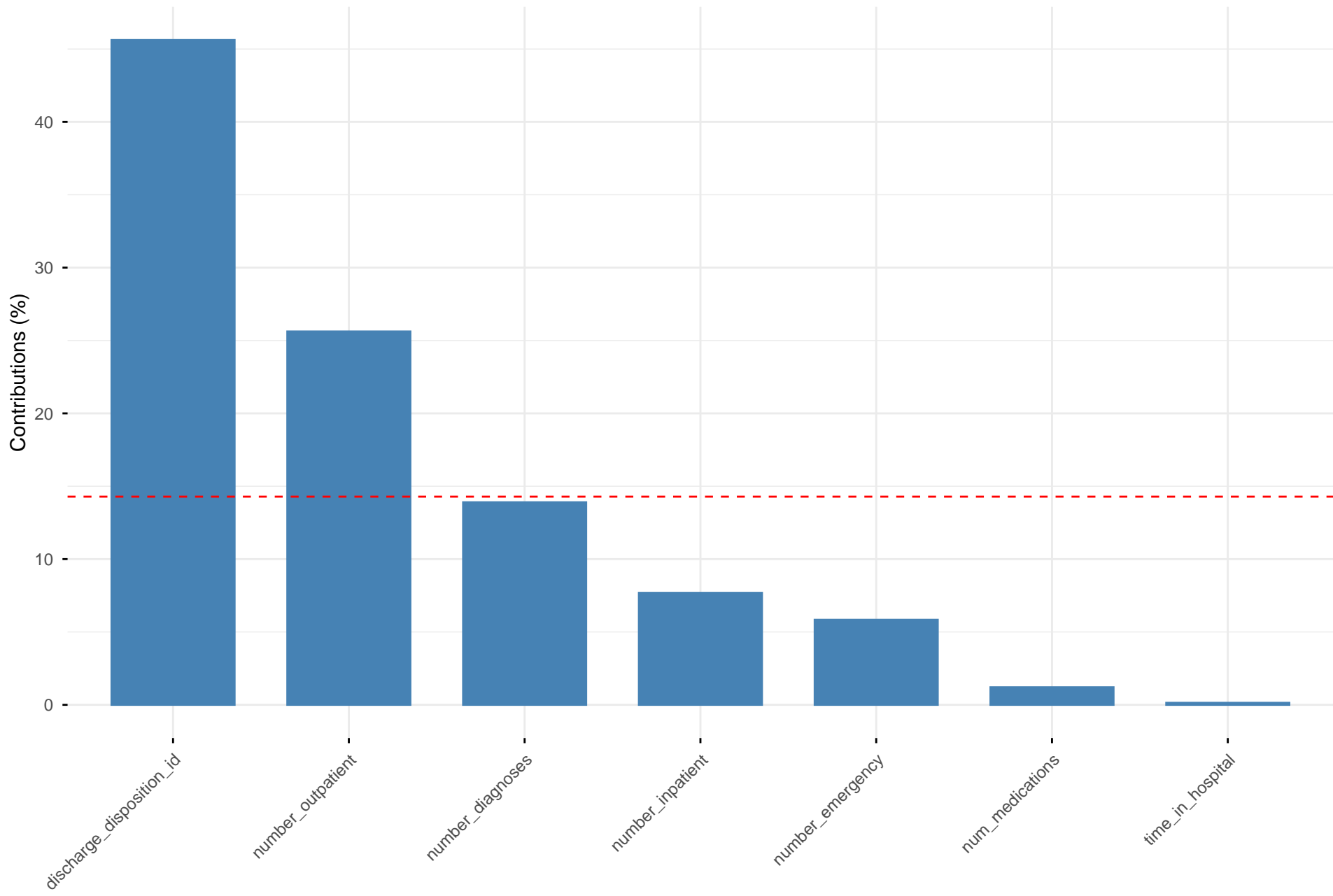
number_outpatient



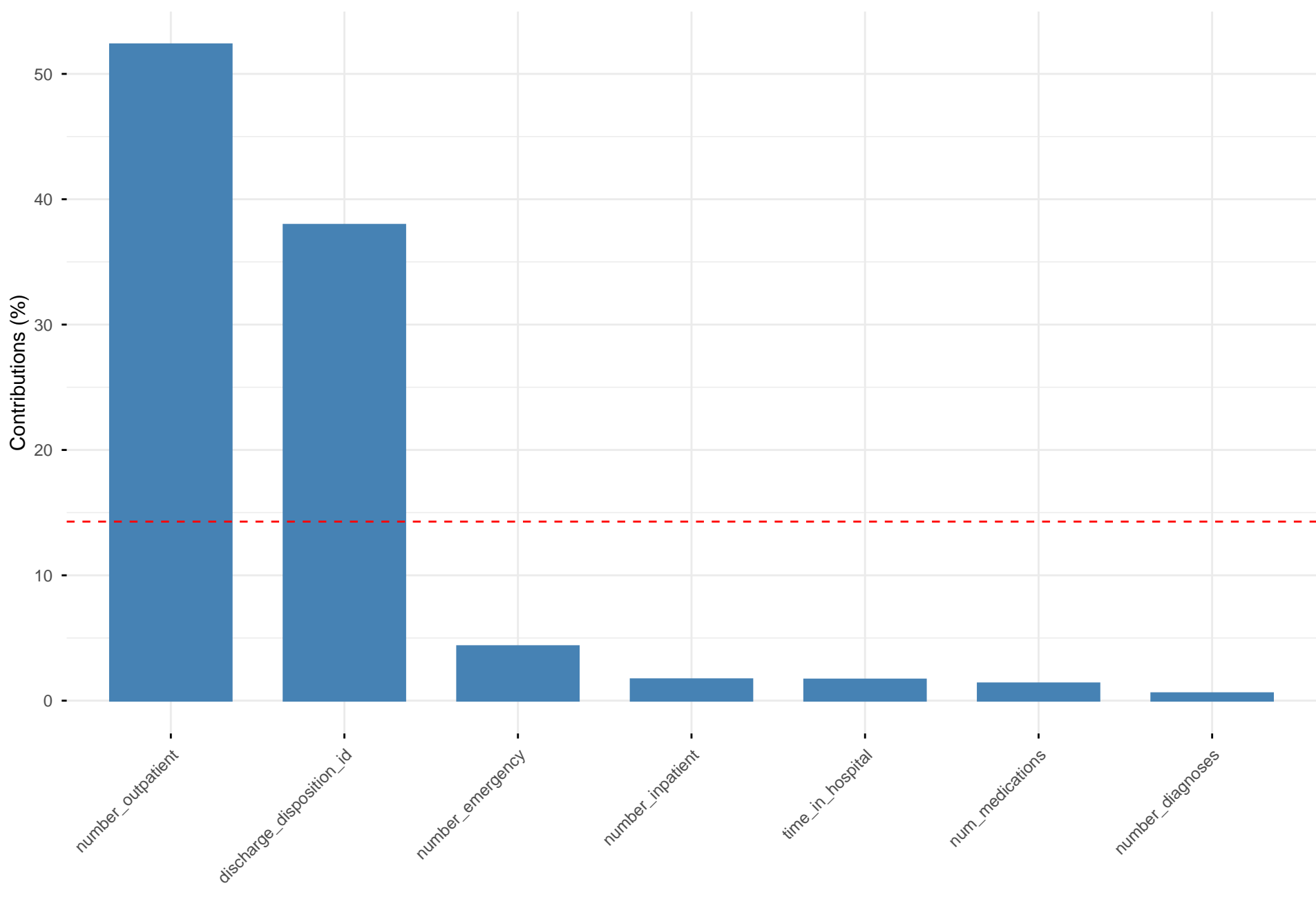
Contribution to PC2



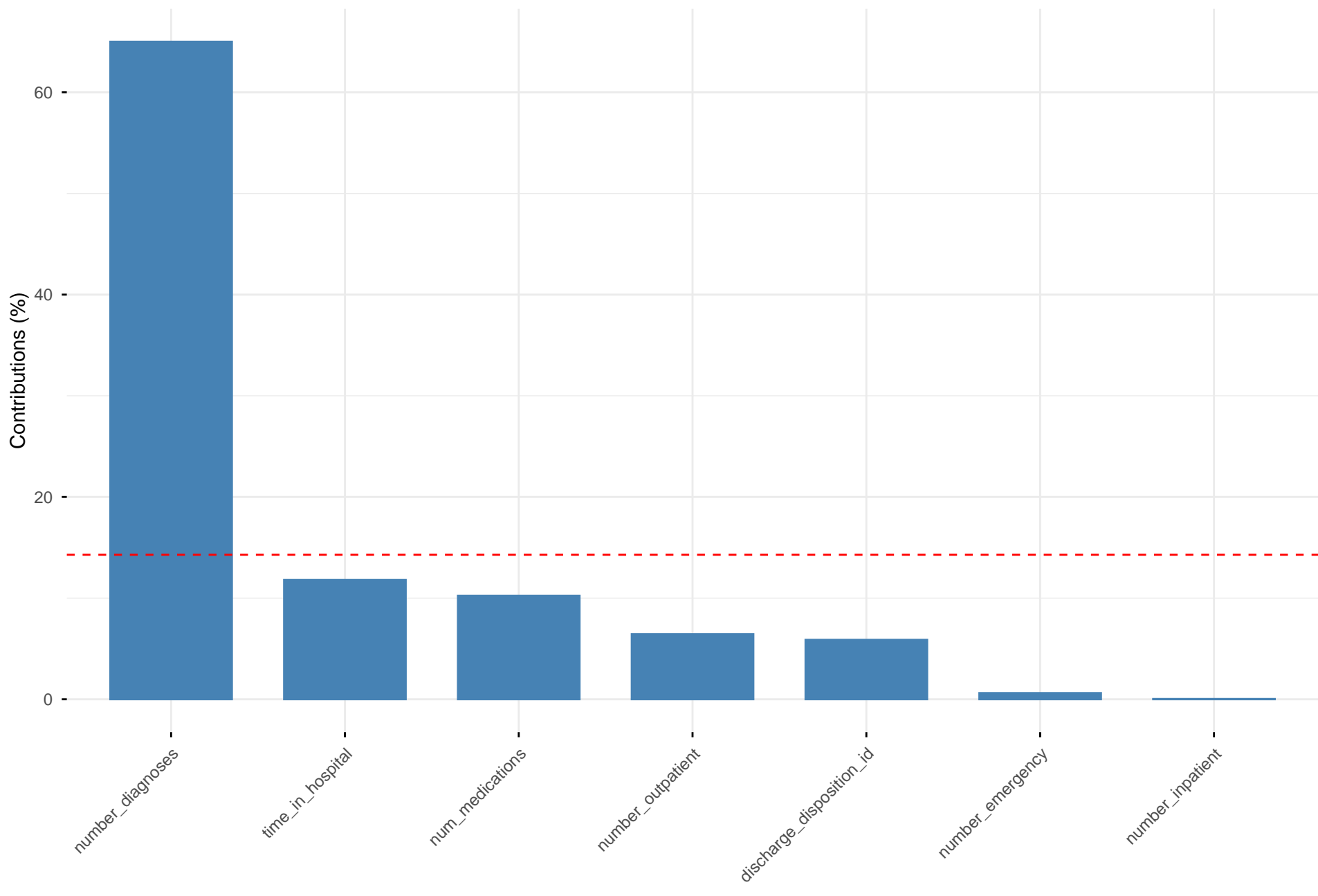
Contribution to PC3



Contribution to PC4



Contribution to PC5



sPCA – Variables

Component 2

1.0
0.5
0.0
-0.5
-1.0

Component 1

-1.0

-0.5

0.0

0.5

1.0

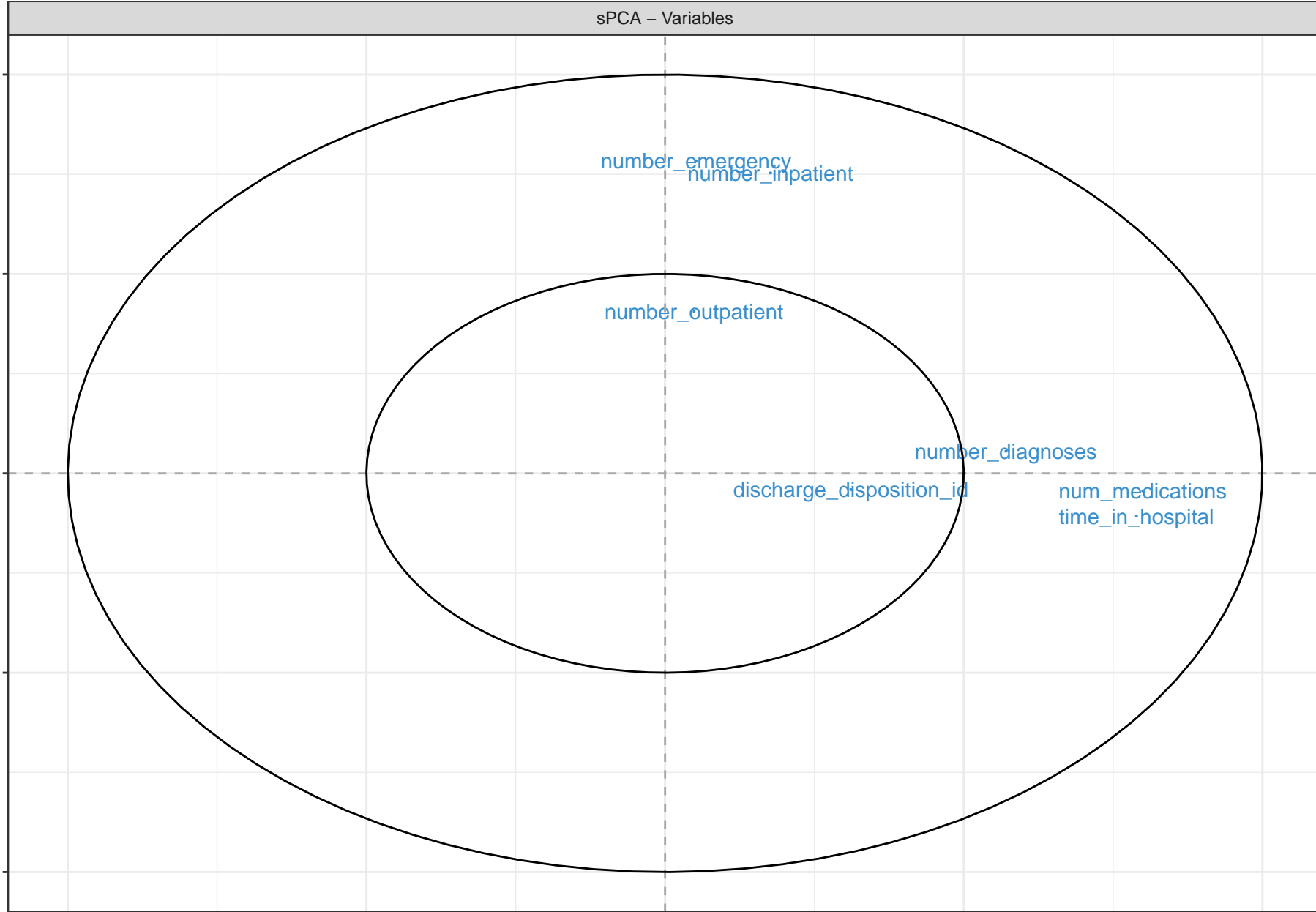
number_emergency
number_inpatient

number_outpatient

number_diagnoses

discharge_disposition_id

num_medications
time_in_hospital



Component 2

1.0
0.5
0.0
-0.5
-1.0

Component 1

number_inpatient

discharge_disposition

number_emergency

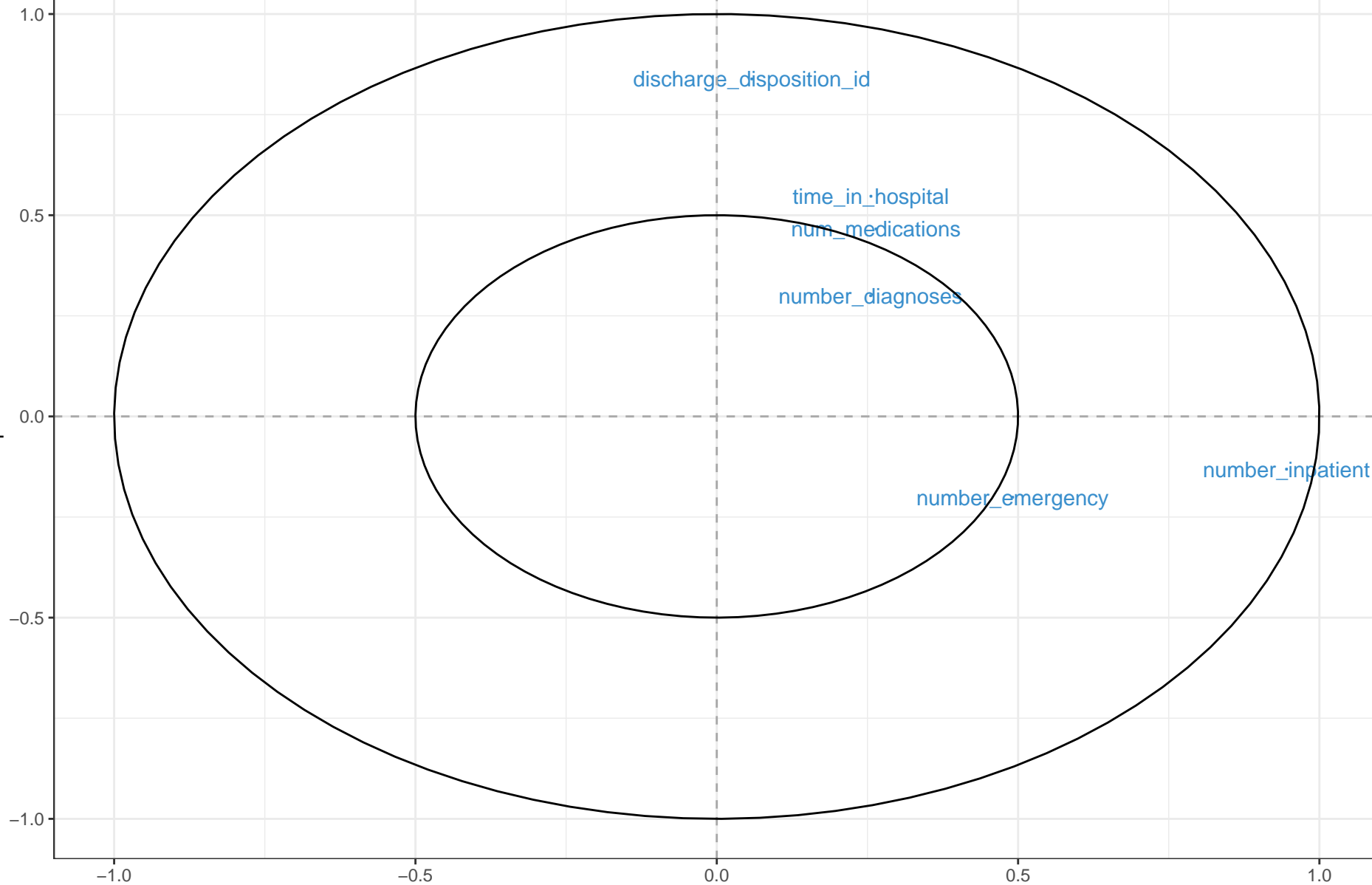
number_outpatient

number_diagnoses

time_in_hospital

num_medications

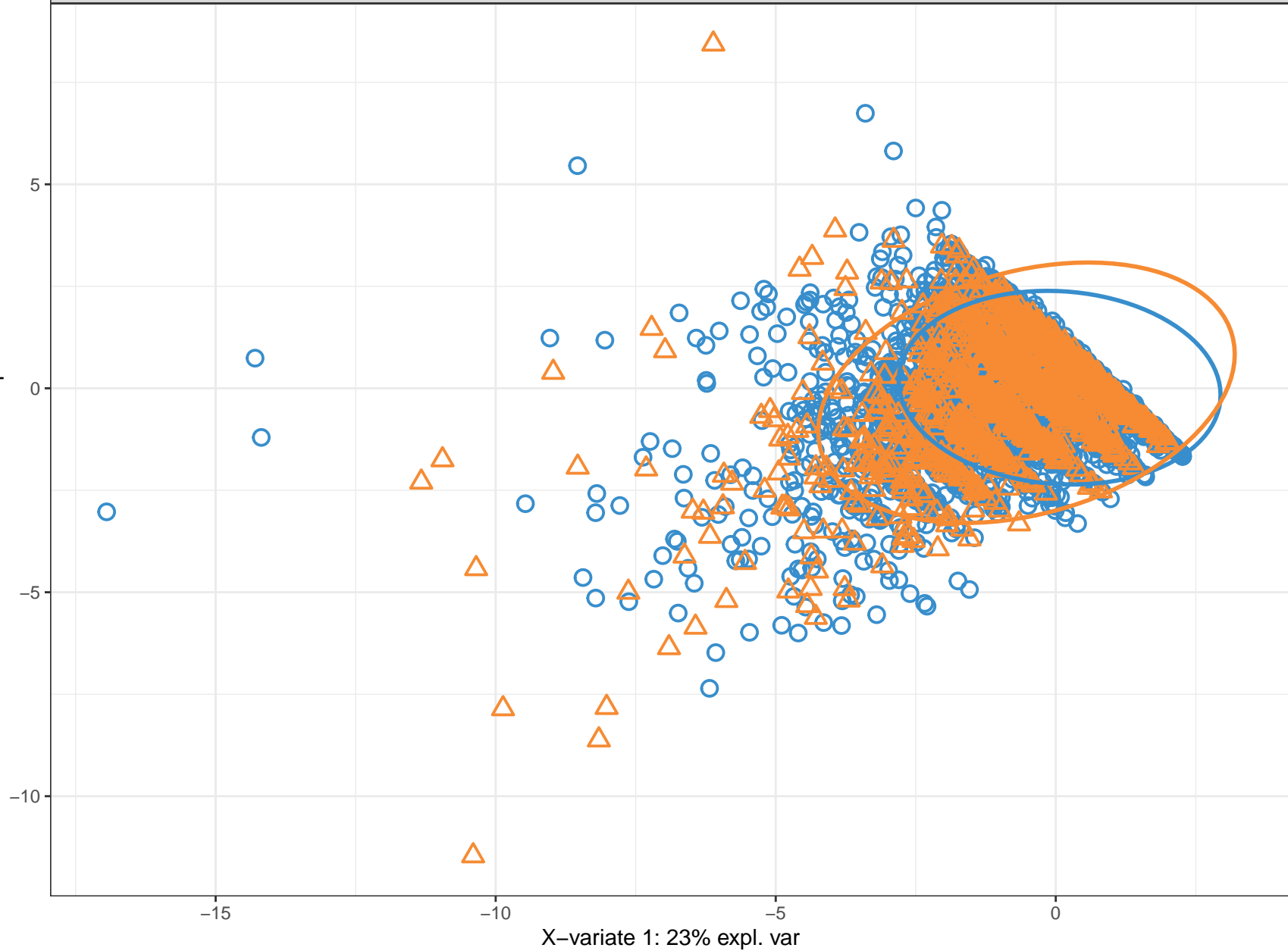
Component 2



Component 1

PLS-DA – Individuals

X-variate 2: 16% expl. var



X-variate 1: 23% expl. var

Component 2

1.0
0.5
0.0
-0.5
-1.0

Component 1

-1.0

-0.5

0.0

0.5

1.0

num_medications

time_in_hospital

number_diagnoses

number_outpatient

number_emergency

discharge_disposition_id

number_inpatient

PLS-DA – Loadings PC1

