

PCA – Scree Plot

Percentage of explained variances

50

40

30

20

10

0

1

2

3

4

5

6

7

8

9

10

Dimensions

18.8%

13.4%

11%

10.1%

8.8%

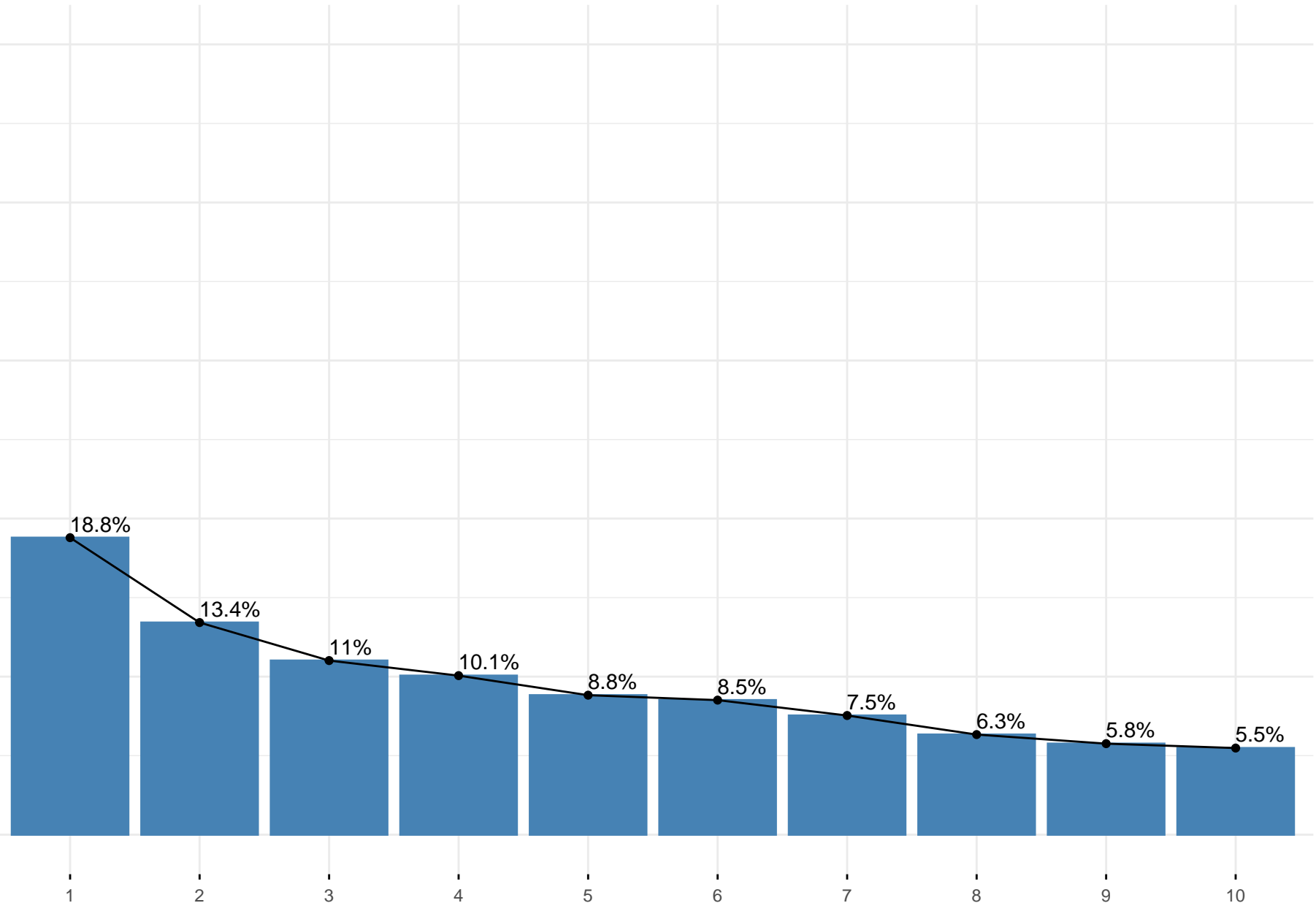
8.5%

7.5%

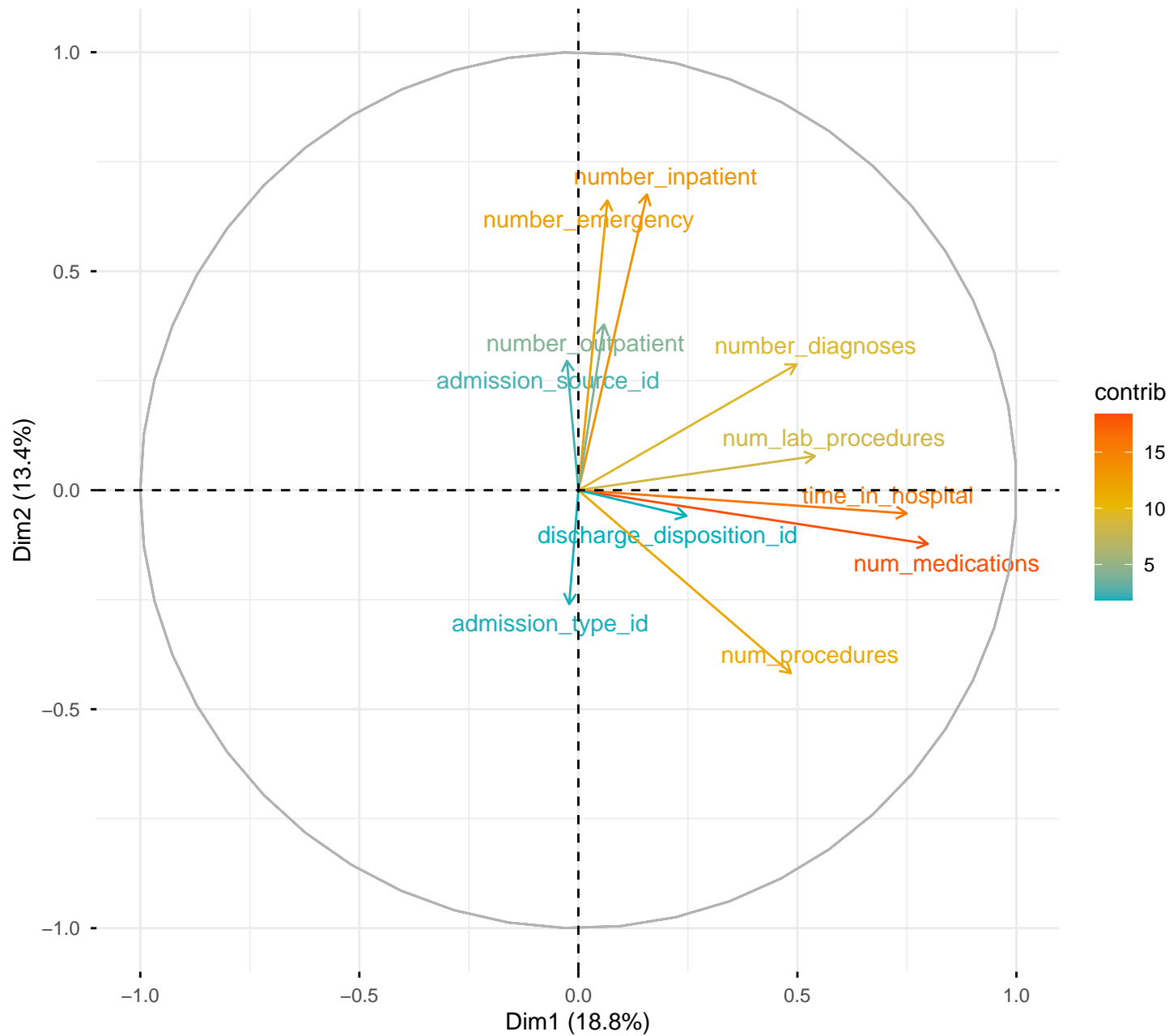
6.3%

5.8%

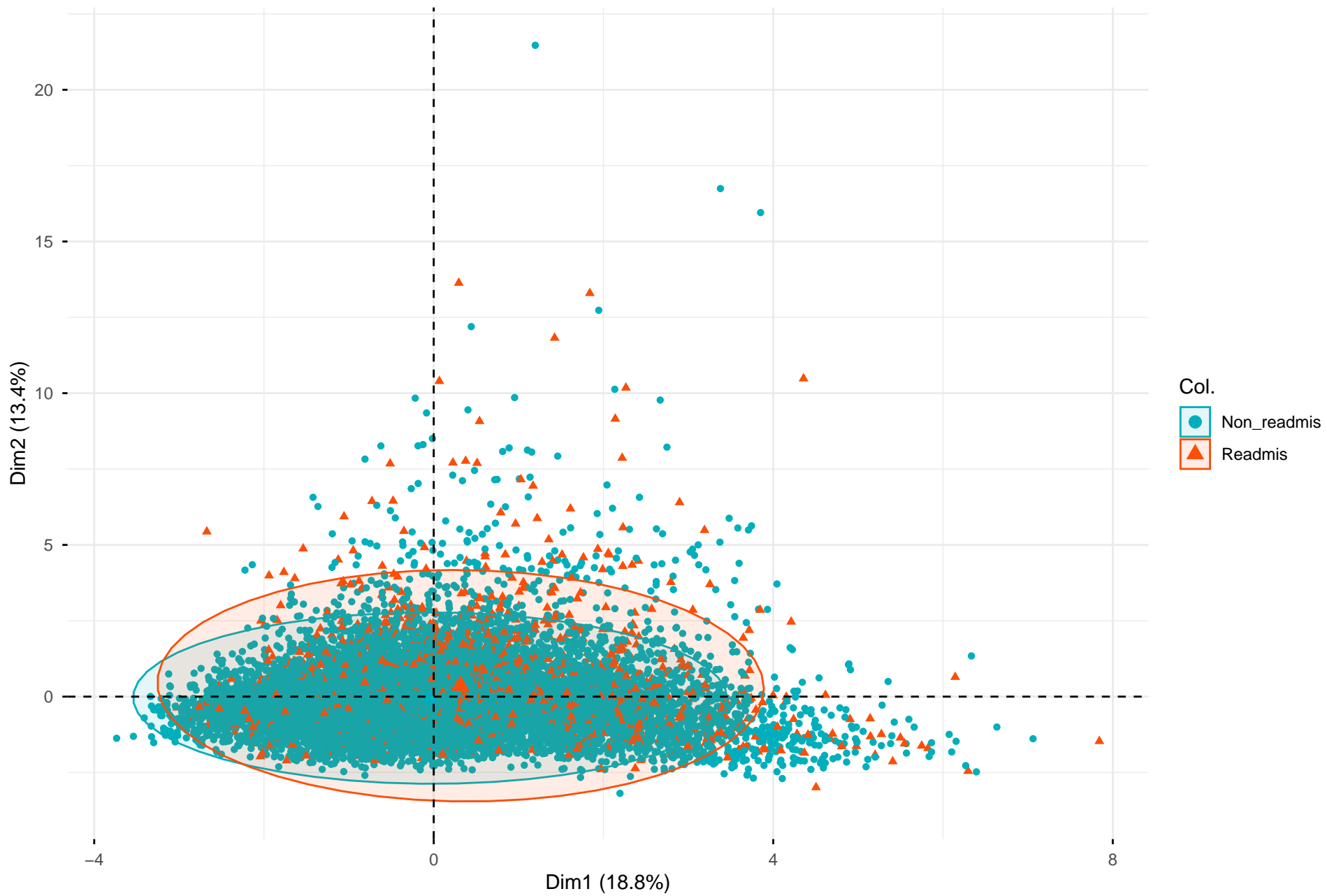
5.5%



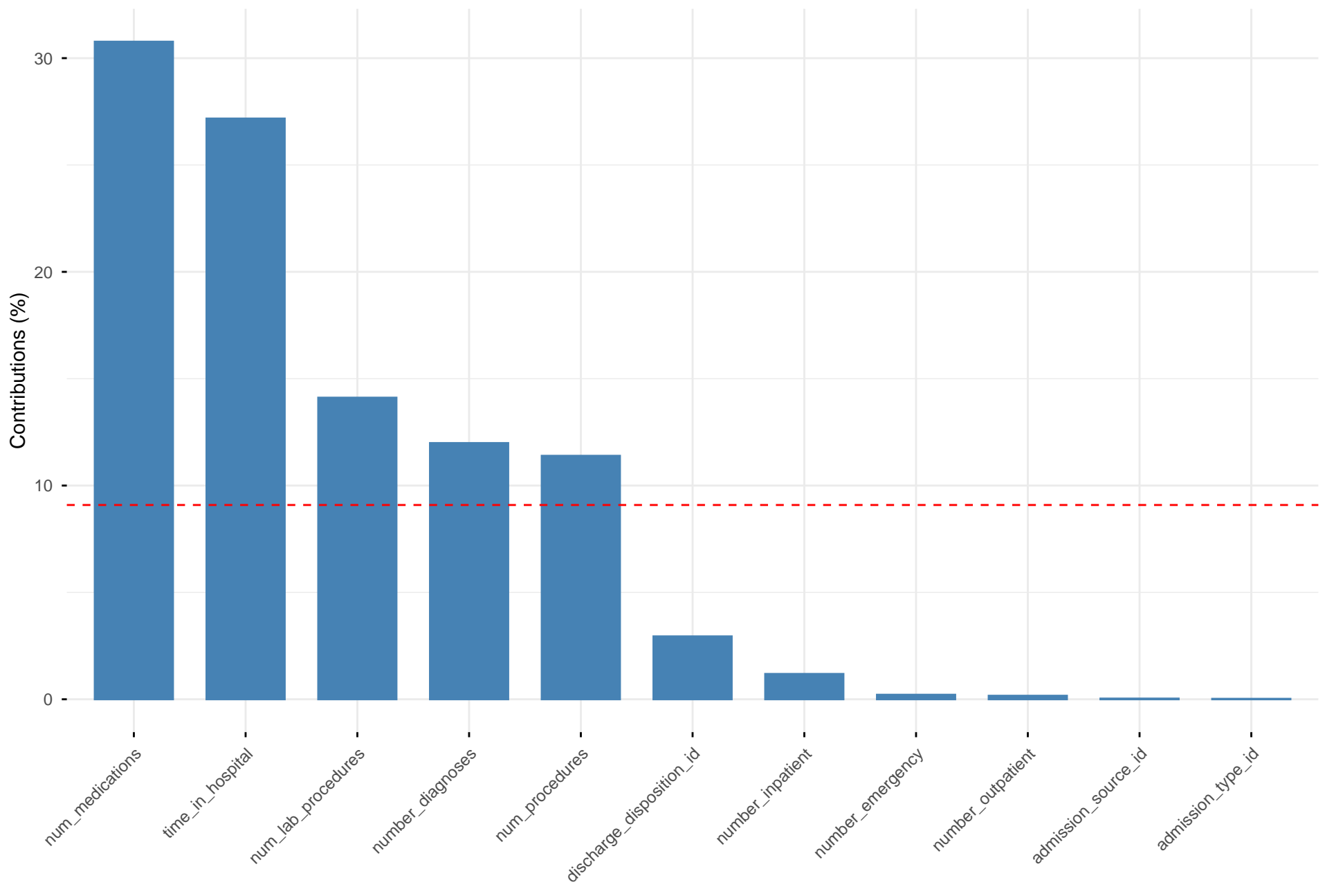
PCA – Variable Contribution



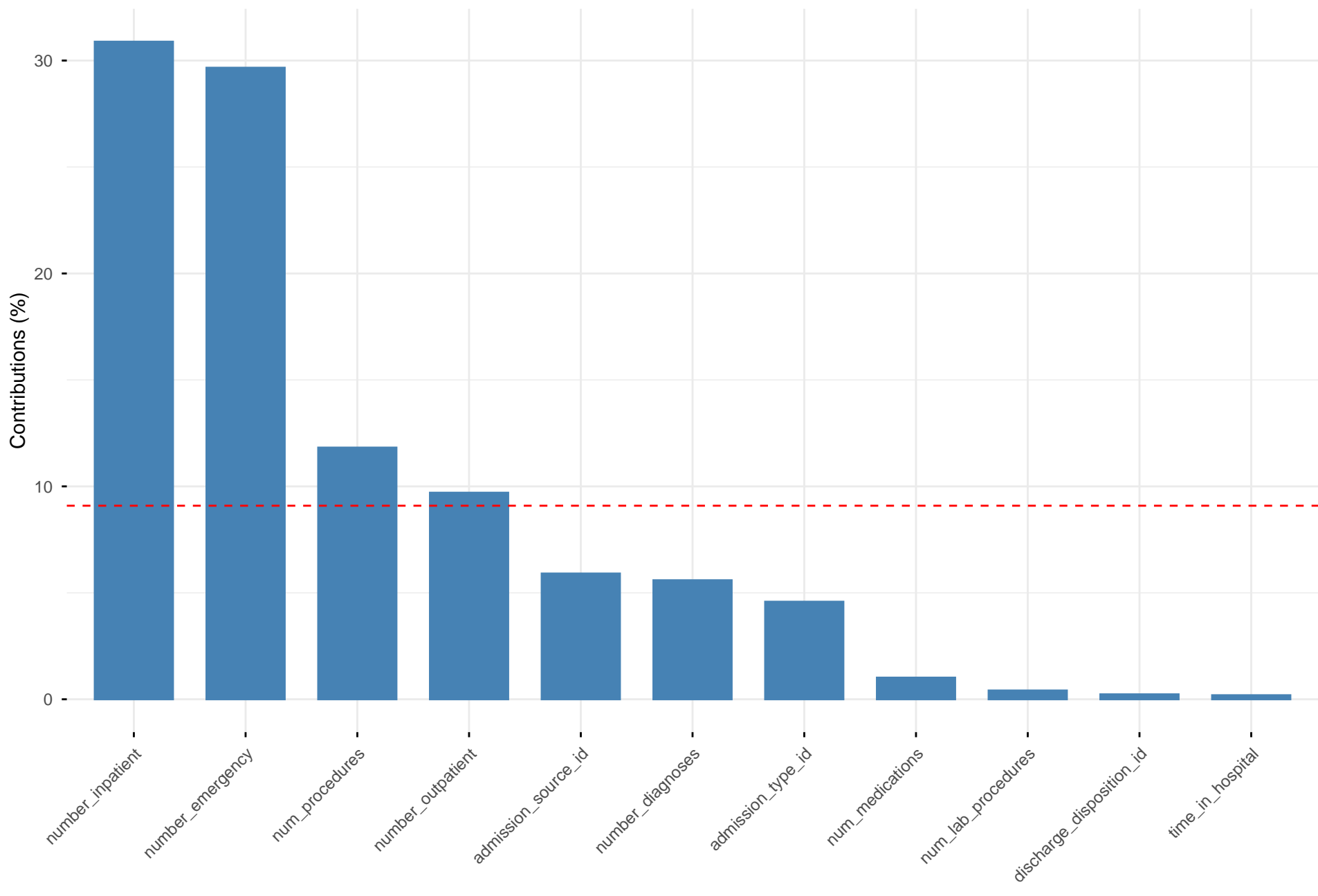
PCA – Individuals



Contribution to PC1



Contribution to PC2



Component 2

1.0  
0.5  
0.0  
-0.5  
-1.0

-1.0

-0.5

0.0

0.5

1.0

Component 1

num\_procedures

time\_in\_hospital lab\_procedures

num\_medications

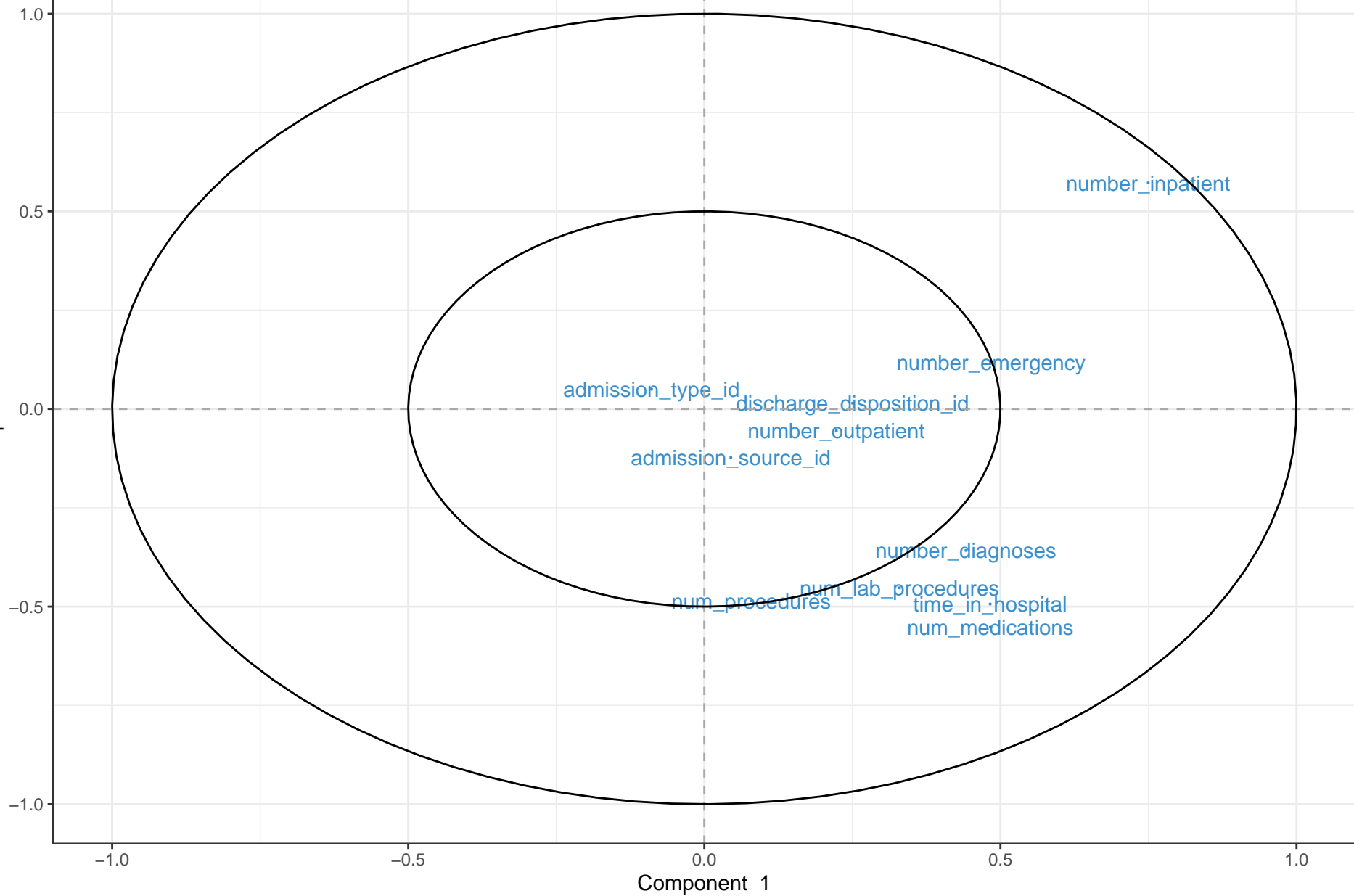
number\_diagnoses

number\_outpatient

number\_emergency

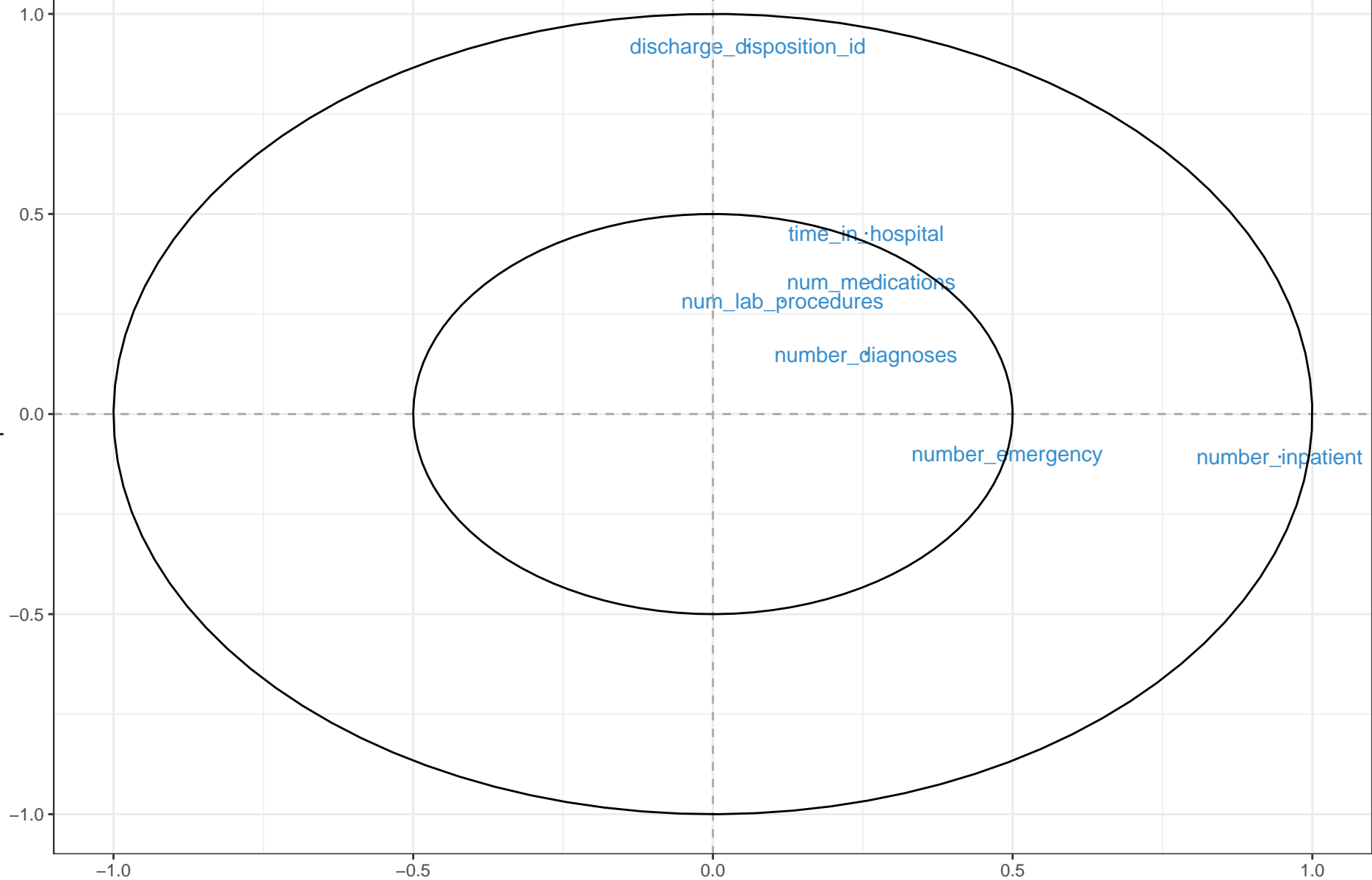
number\_inpatient

Component 2



Component 1

Component 2



Component 1



# PLS-DA – Individuals

X-variate 2: 13% expl. var

5

0

-5

-10

0

X-variate 1: 15% expl. var

5

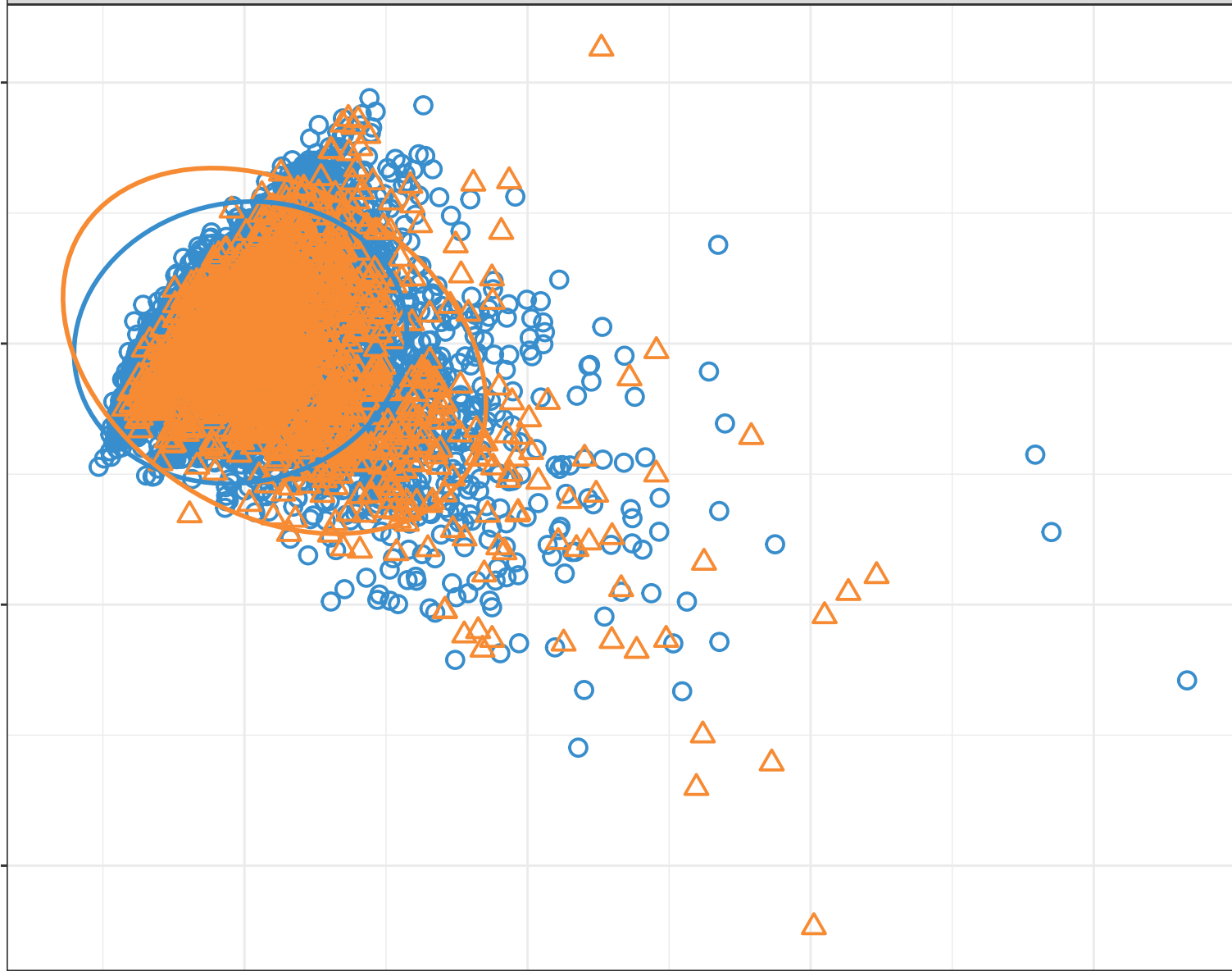
10

15

Legend

Non\_readmis

Readmis



# PLS-DA – 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

num\_medications  
time\_in\_hospital  
num\_procedures  
num\_lab\_procedures  
number\_diagnoses  
admission\_source\_id  
number\_outpatient  
discharge\_disposition\_id  
admission\_type\_id  
number\_emergency  
number\_inpatient

# PLS-DA – Loadings PC1

