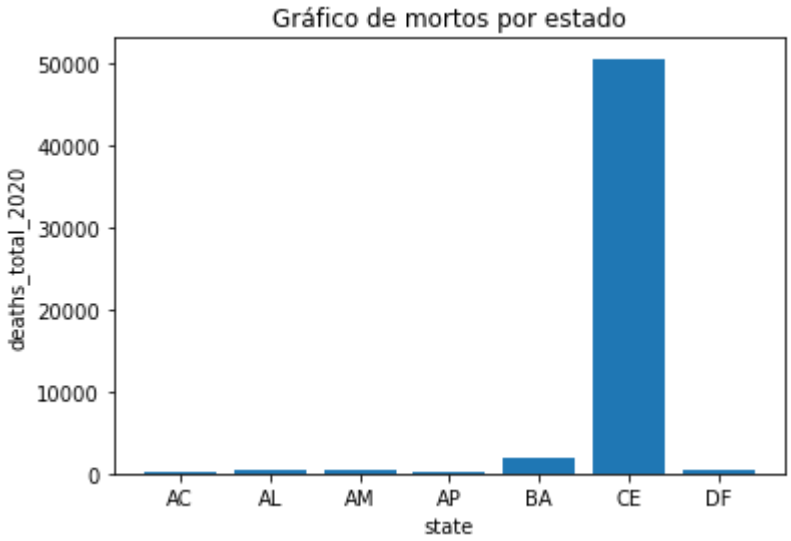
In [2]:
```
import pandas as pd
df = pd.read_csv ('obito_2020-1.csv')
```

In [3]:
```
print (df)
```

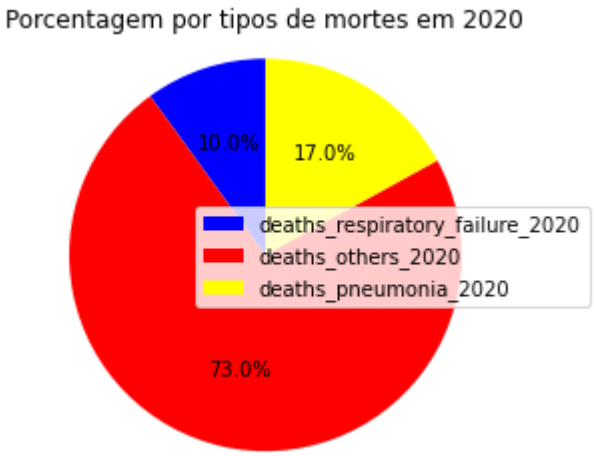
```
         date state  epidemiological_week_2020  deaths_indeterminate_2020  \
0    1/1/2020    AC                          1                          1
1    1/2/2020    AC                          1                          1
2    1/3/2020    AC                          1                          1
3    1/4/2020    AC                          1                          1
4    1/5/2020    AC                          2                          1
..        ...   ...                        ...                        ...
72   1/7/2020    DF                          2                          2
73   1/8/2020    DF                          2                          2
74   1/9/2020    DF                          2                          2
75  1/10/2020    DF                          2                          2
76  1/11/2020    DF                          2                          2

    deaths_respiratory_failure_2020  deaths_others_2020  \
0                                 1                   8
1                                 1                  14
2                                 1                  22
3                                 2                  26
4                                 3                  30
..                              ...                 ...
72                               16                 121
73                               20                 145
74                               27                 167
75                               29                 183
76                               30                 201

    deaths_pneumonia_2020  deaths_septicemia_2020  deaths_total_2020
0                       2                       2                 14
1                       4                       4                 24
2                       7                       6                 37
3                       7                       7                 43
4                      11                       7                 52
..                    ...                     ...                ...
72                     73                      47                261
73                     77                      53                299
74                     87                      59                344
75                     97                      64                377
76                    109                      72                416

[77 rows x 9 columns]
```

In [6]:
```
import matplotlib.pyplot as plt
plt.bar(df.state, df.deaths_total_2020)
plt.title('Gráfico de mortos por estado')
plt.xlabel ('state')
plt.ylabel ('deaths_total_2020')
plt.show()
```



In [14]:

```
import matplotlib.pyplot as plt
labels = 'deaths_respiratory_failure_2020','deaths_others_2020','deaths_pneumonia_2020'
sizes = [10,73,17]
colors = [ 'blue', 'red', 'yellow']
plt.title('Porcentagem por tipos de mortes em 2020')
patches, texts, autotexts = plt.pie(sizes, colors=colors, autopct='%1.1f%%',
startangle=90)
plt.legend(patches, labels, loc="right")
plt.axis('equal')
plt.show()
```



In [21]:

```
from pandas import read_csv
from matplotlib import pyplot
series = df = pd.read_csv ('obito_2020-1.csv')
obj = series = ('state','deaths_respiratory_failure_2020')
colors=['blue', 'red']
xs = df['state']
ys = df['deaths_respiratory_failure_2020']
plt.scatter(xs,ys, color= 'blue')
plt.title('Numero de mortes por falha respiratoria por estado')
plt.show()
```


Numero de mortes por semana epidemiologica
3000
2500
2000
1500
1000
500
0
AC
AL
AM
AP
BA
CE
DF

In [ ]: