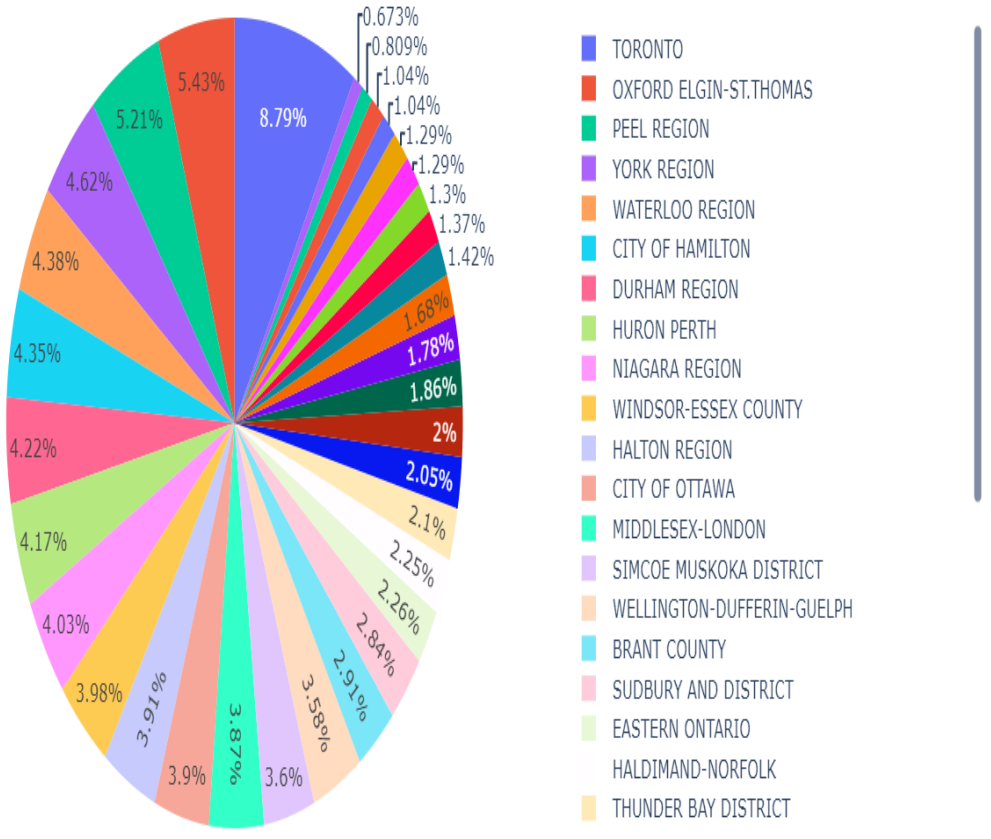
Finding insights of covid data

Q1. Which region has Highest and lowest number of covid cases

highest-Toronto

lowest-Timiskaming

In [15]:
```
fig.show()
```



Q2. In which date there was highest and lowest peak of covid cases

Highest - 1/12/2021

Lowest- 7/31/2021

In [19]:
```
df_date.sort_values(by='phu_num',ascending=False)
```

Out[19]:

	date	phu_num
3	1/12/2021	345765
2	1/11/2021	343485
1	1/10/2021	338971
29	1/8/2021	334096
28	1/7/2021	332223
...	...	...
354	8/3/2021	84649
324	7/30/2021	82930
321	7/28/2021	80269
322	7/29/2021	78061
325	7/31/2021	76105

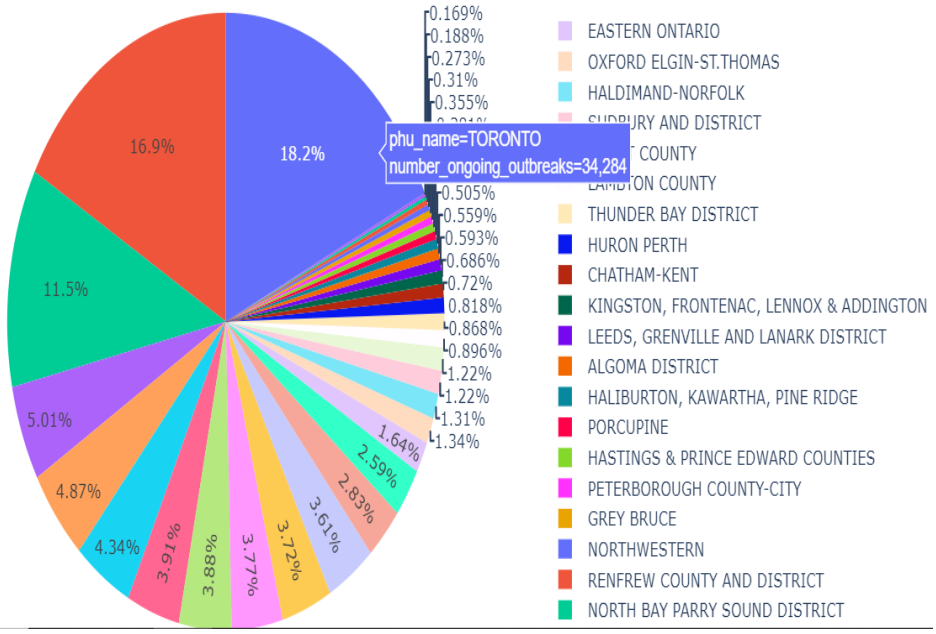
393 rows × 2 columns

In [ ]:

Q3.which region has maximum and minimum number of ongoing outbreakes ?
Maximum-Toronto
Minimum- Timiskaming

In [22]:
```
fig3=px.pie(df_outbreaks,values='number_ongoing_outbreaks',names='phu_name')
```

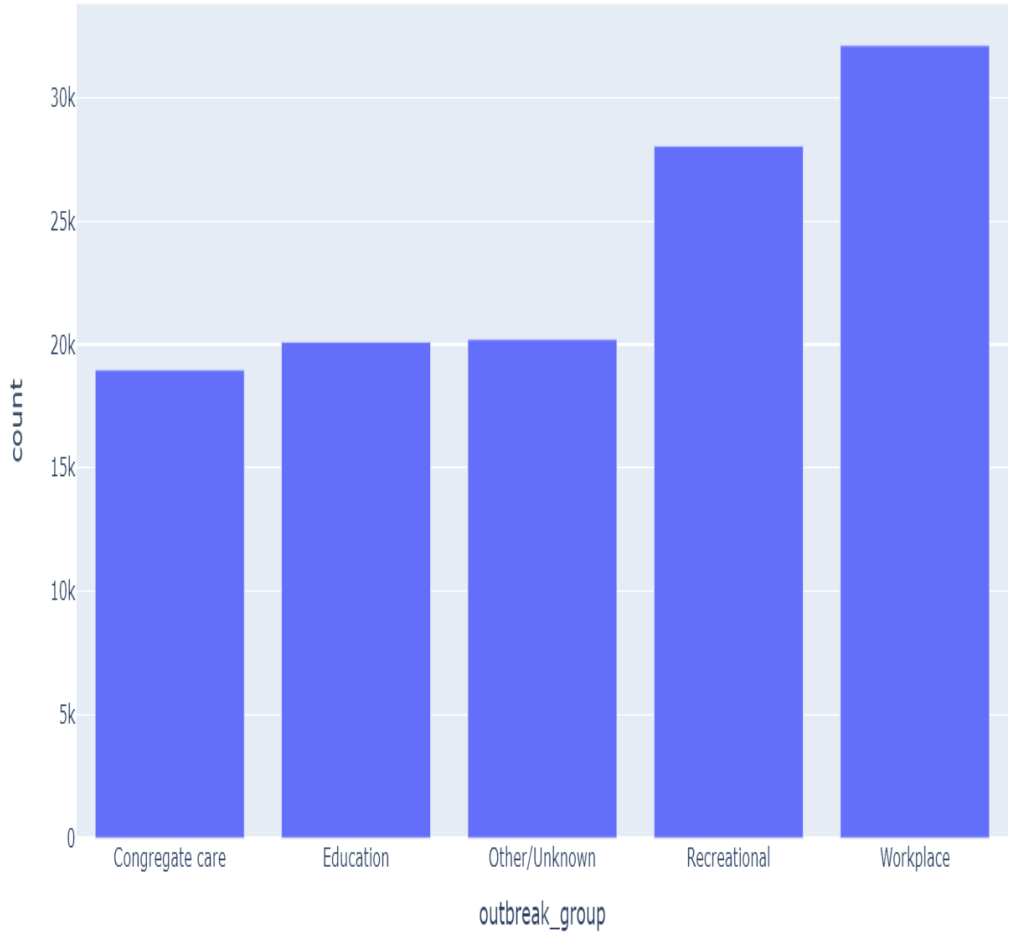
In [23]:
```
fig3.show()
```



Q4.which group was most popular for the spread of covid 19?

Ans. Workplace with total count of 32124

In [33]:
```
fig4=px.bar(df_outbreak_group,x='outbreak_group',y='count')
fig4.show()
```



Q5. trend of covid cases along the time ?

Ans. there was intial rise in jan 2021 then slight dip in march 2021 then again rise in may 2021 followed by drastic dip till august 2021 and after that there was upward trend of covid cases

In [38]:
```
fig5.show()
```