Heart Diesease

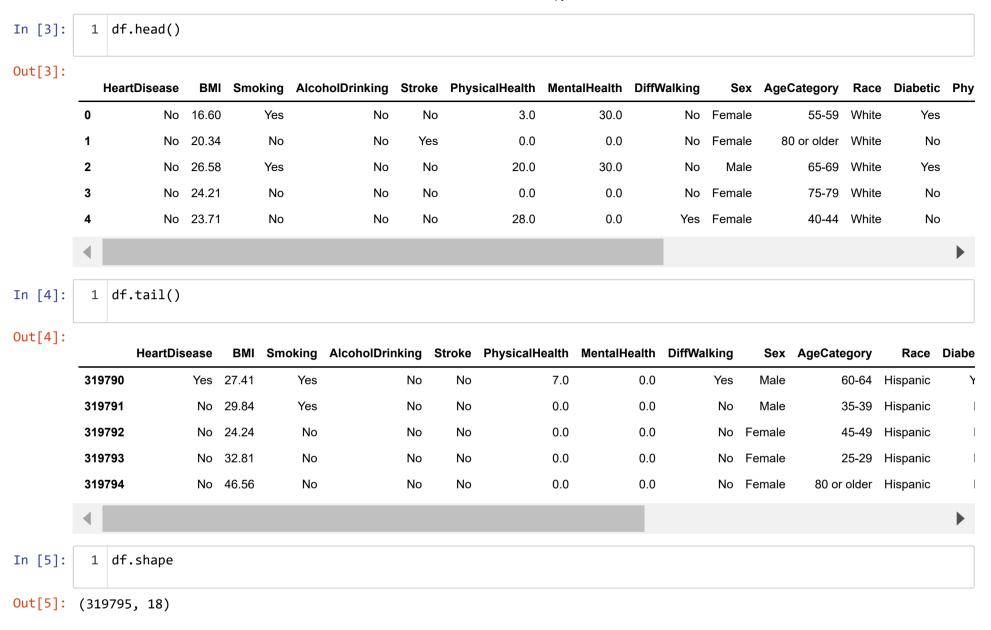
The Gender which is suffering with high rate of HeartDiseses.

Out[2]:

	HeartDisease	ВМІ	Smoking	AlcoholDrinking	Stroke	PhysicalHealth	MentalHealth	DiffWalking	Sex	AgeCategory	Race	Diabe
0	No	16.60	Yes	No	No	3.0	30.0	No	Female	55-59	White	Y
1	No	20.34	No	No	Yes	0.0	0.0	No	Female	80 or older	White	
2	No	26.58	Yes	No	No	20.0	30.0	No	Male	65-69	White	Υ
3	No	24.21	No	No	No	0.0	0.0	No	Female	75-79	White	
4	No	23.71	No	No	No	28.0	0.0	Yes	Female	40-44	White	1
319790	Yes	27.41	Yes	No	No	7.0	0.0	Yes	Male	60-64	Hispanic	Υ
319791	No	29.84	Yes	No	No	0.0	0.0	No	Male	35-39	Hispanic	1
319792	No	24.24	No	No	No	0.0	0.0	No	Female	45-49	Hispanic	1
319793	No	32.81	No	No	No	0.0	0.0	No	Female	25-29	Hispanic	1
319794	No	46.56	No	No	No	0.0	0.0	No	Female	80 or older	Hispanic	1

319795 rows × 18 columns





In [6]:

1 df.describe()

Out[6]:

	ВМІ	PhysicalHealth	MentalHealth	SleepTime
count	319795.000000	319795.00000	319795.000000	319795.000000
mean	28.325399	3.37171	3.898366	7.097075
std	6.356100	7.95085	7.955235	1.436007
min	12.020000	0.00000	0.000000	1.000000
25%	24.030000	0.00000	0.000000	6.000000
50%	27.340000	0.00000	0.000000	7.000000
75%	31.420000	2.00000	3.000000	8.000000
max	94.850000	30.00000	30.000000	24.000000

```
In [7]: 1 df.info()
```

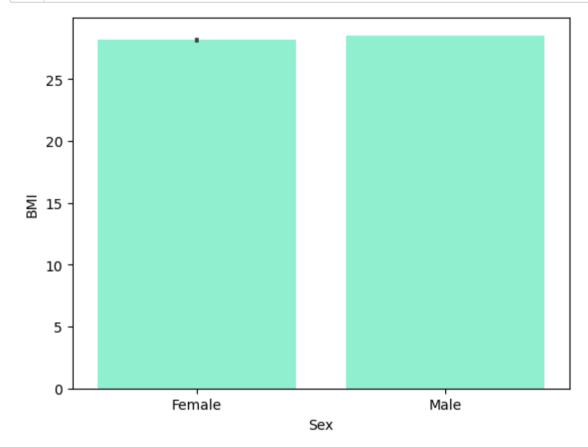
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 319795 entries, 0 to 319794
Data columns (total 18 columns):

#	Column	Non-Nu	ll Count	Dtype			
0	HeartDisease	319795	non-null	object			
1	BMI	319795	non-null	float64			
2	Smoking	319795	non-null	object			
3	AlcoholDrinking	319795	non-null	object			
4	Stroke	319795	non-null	object			
5	PhysicalHealth	319795	non-null	float64			
6	MentalHealth	319795	non-null	float64			
7	DiffWalking	319795	non-null	object			
8	Sex	319795	non-null	object			
9	AgeCategory	319795	non-null	object			
10	Race	319795	non-null	object			
11	Diabetic	319795	non-null	object			
12	PhysicalActivity	319795	non-null	object			
13	GenHealth	319795	non-null	object			
14	SleepTime	319795	non-null	float64			
15	Asthma	319795	non-null	object			
16	KidneyDisease	319795	non-null	object			
17	SkinCancer	319795	non-null	object			
dtynes: float64(4) object(14)							

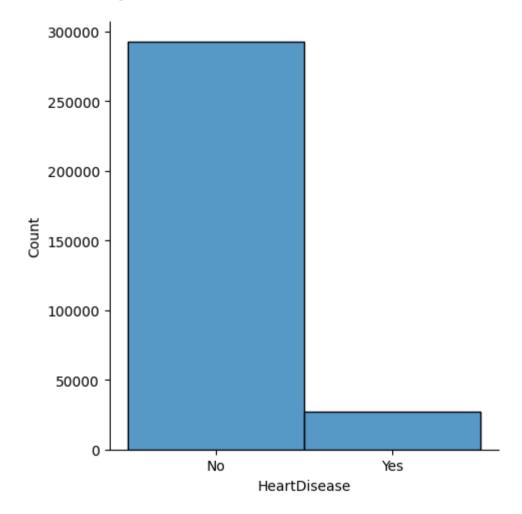
dtypes: float64(4), object(14)

memory usage: 43.9+ MB

```
In [8]: 1 sns.barplot(x='Sex',y='BMI',data=df,color='aquamarine')
2 plt.show()
```

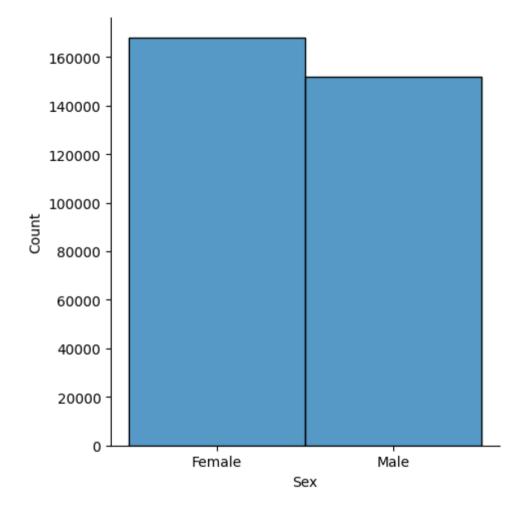


Out[9]: <seaborn.axisgrid.FacetGrid at 0x158781d6da0>

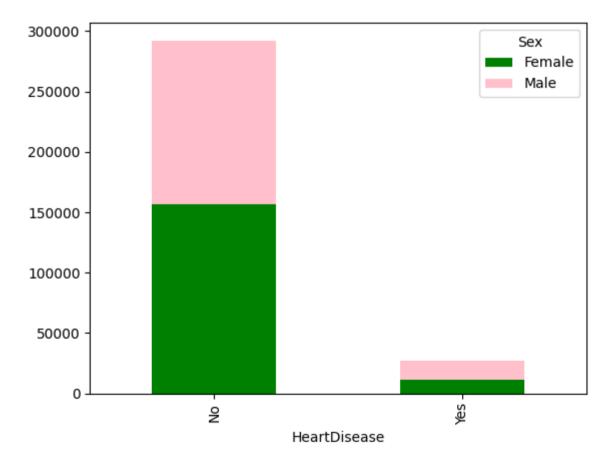


```
In [10]: 1 sns.displot(df['Sex'])
```

Out[10]: <seaborn.axisgrid.FacetGrid at 0x15877d47d00>



Out[13]: <Axes: xlabel='HeartDisease'>



conclusion

The males has high chances of getting Heart Diseases.

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