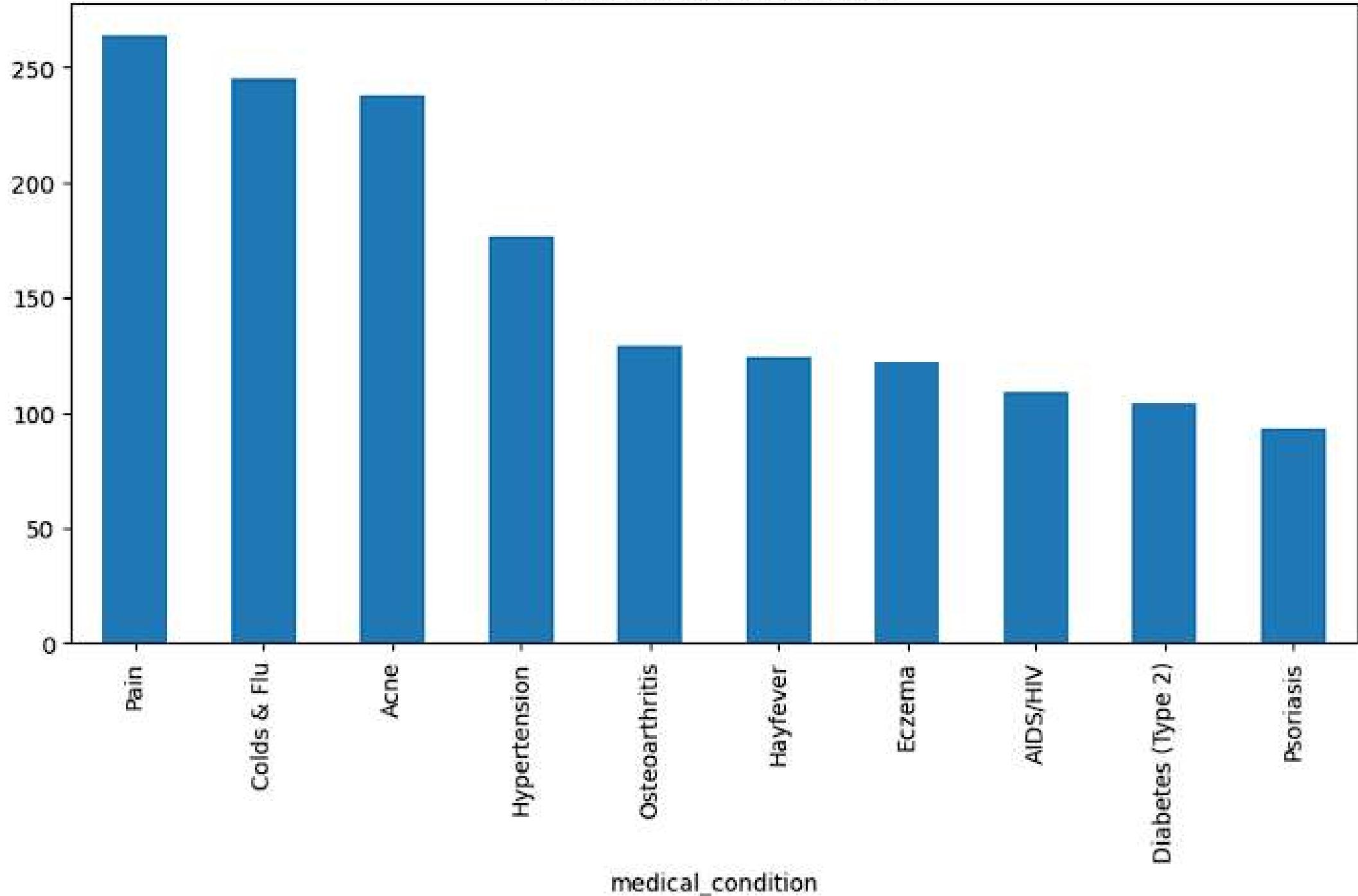
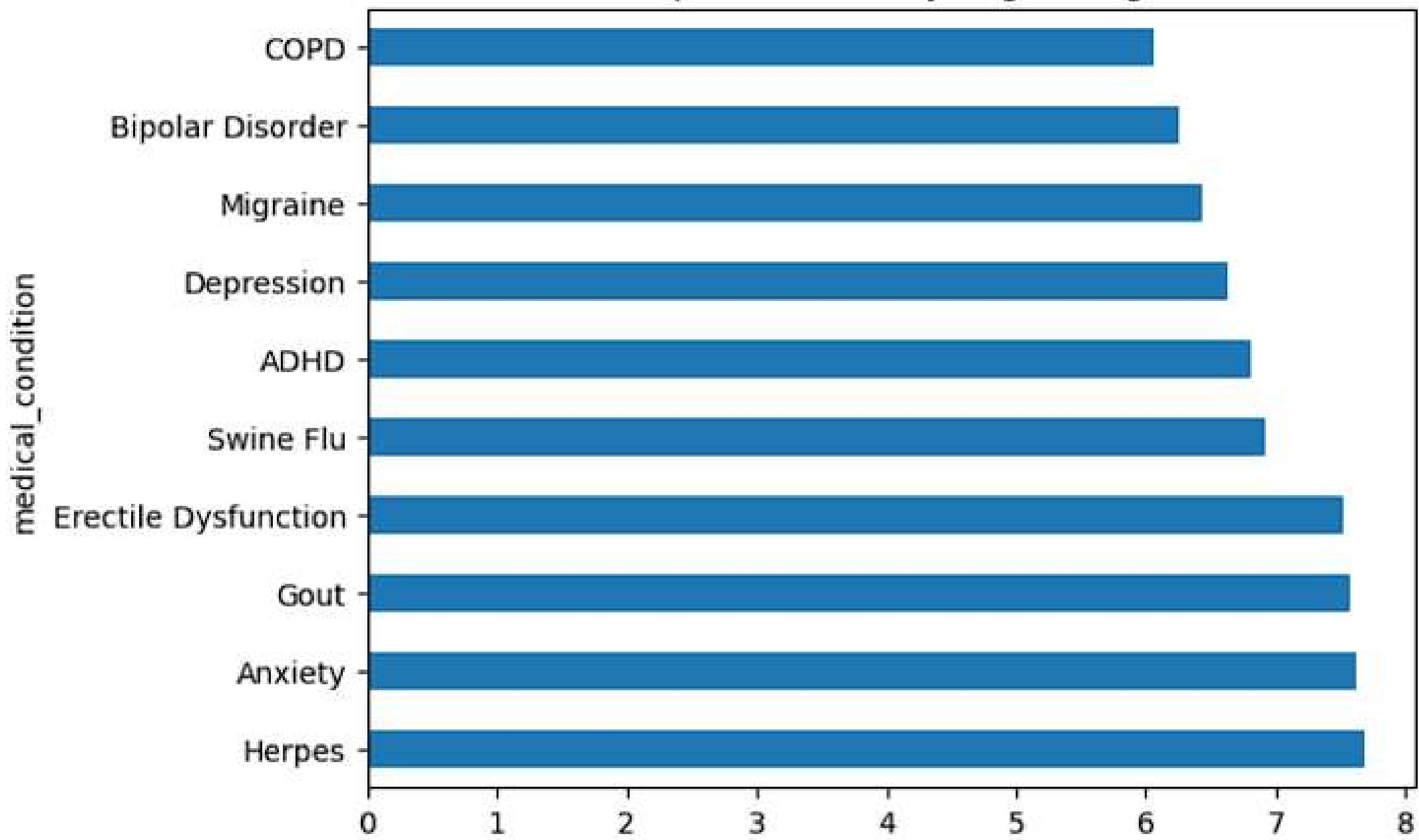


```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2931 entries, 0 to 2930
Data columns (total 17 columns):
 #   Column           Non-Null Count Dtype  
 ---  --  
 0   drug_name        2931 non-null   object  
 1   medical_condition 2931 non-null   object  
 2   side_effects      2807 non-null   object  
 3   generic_name      2888 non-null   object  
 4   drug_classes       2849 non-null   object  
 5   brand_names        1718 non-null   object  
 6   activity          2931 non-null   object  
 7   rx_otc            2930 non-null   object  
 8   pregnancy_category 2702 non-null   object  
 9   csa                2931 non-null   object  
 10  alcohol            1377 non-null   object  
 11  related_drugs      1462 non-null   object  
 12  medical_condition_description 2931 non-null   object  
 13  rating              1586 non-null   float64 
 14  no_of_reviews       1586 non-null   float64 
 15  drug_link          2931 non-null   object  
 16  medical_condition_url 2931 non-null   object  
dtypes: float64(2), object(15)
memory usage: 389.4+ KB
```

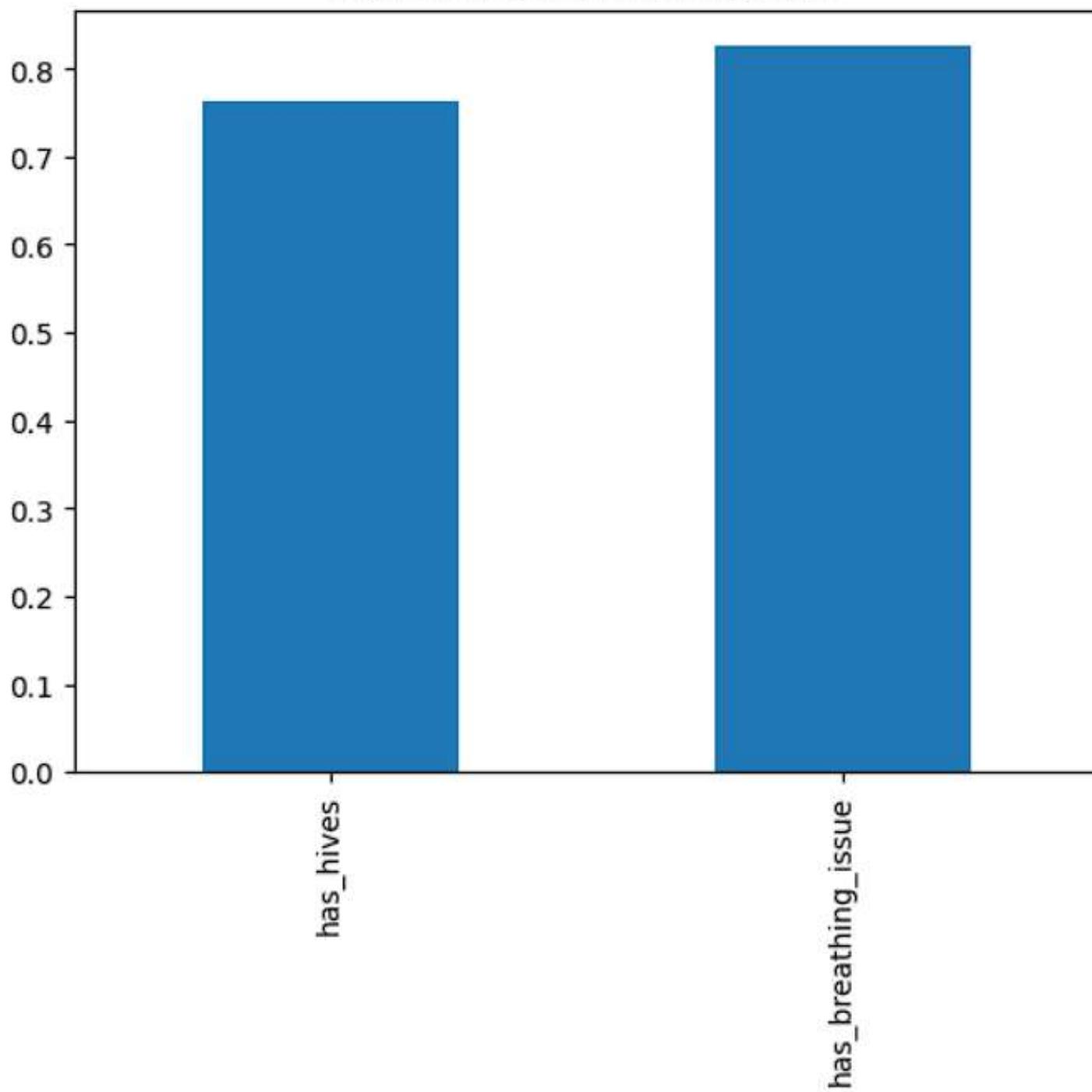
## Top 10 Medical Conditions



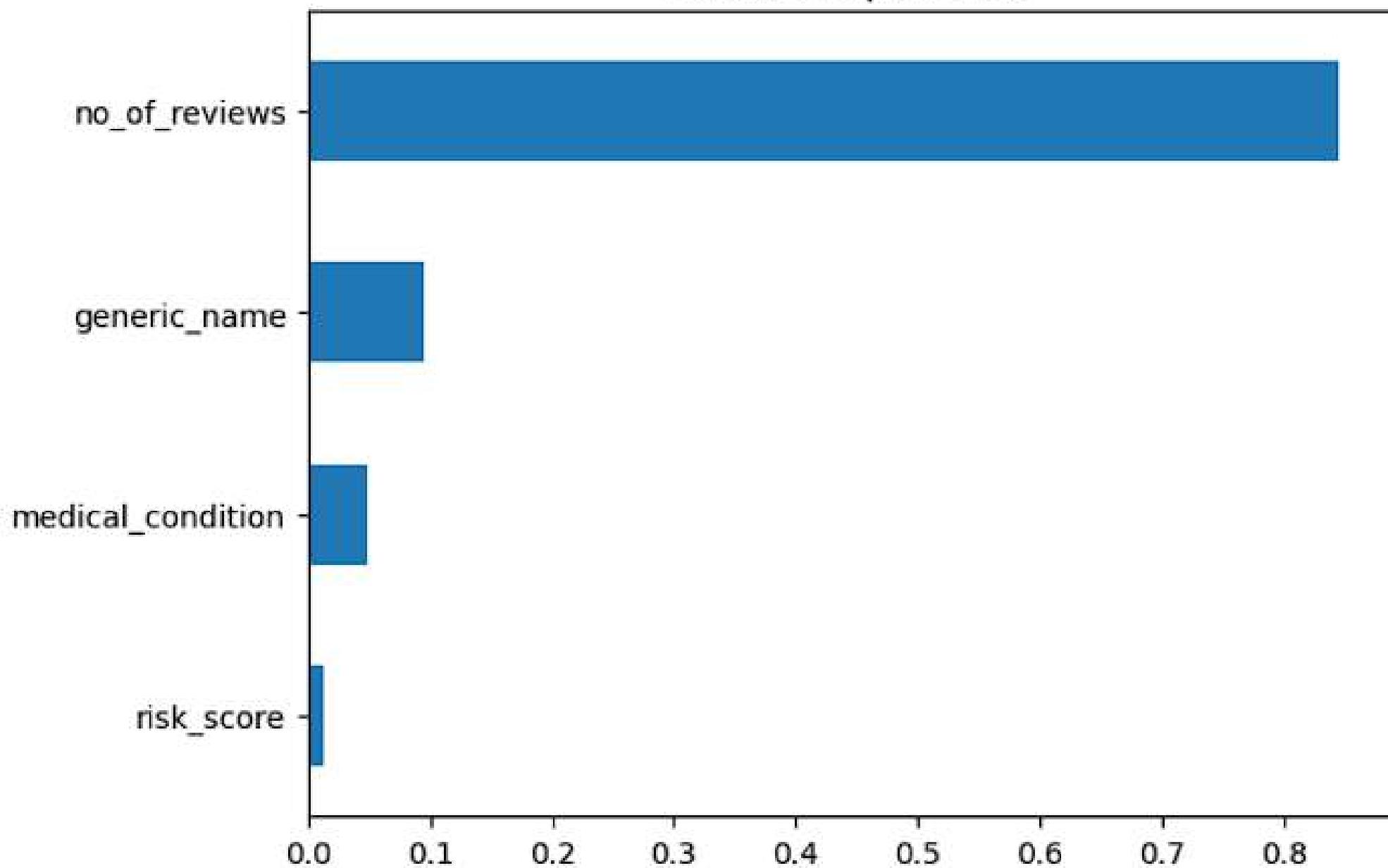
## Top Conditions by Avg Rating



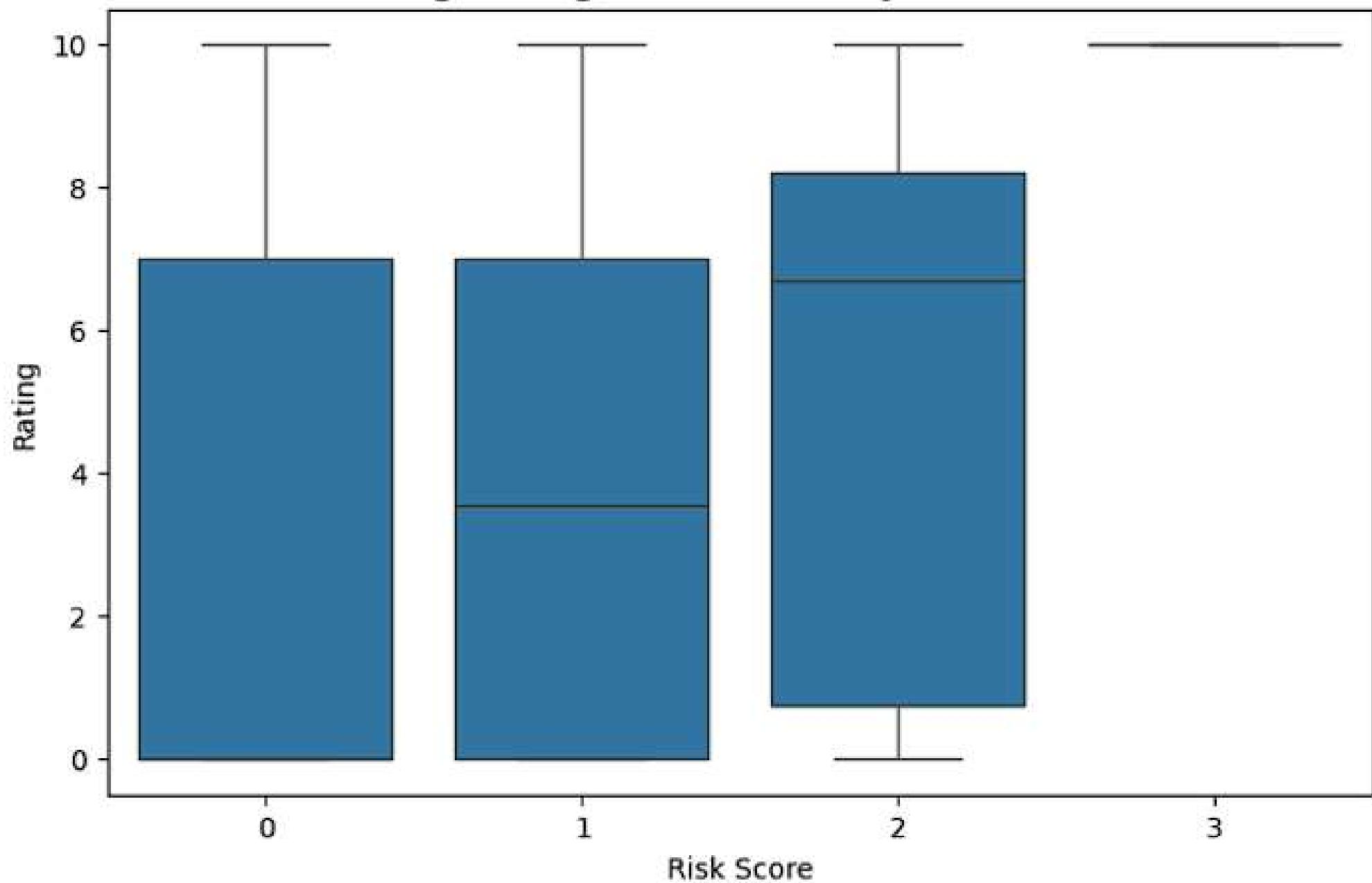
## Common Severe Side Effects



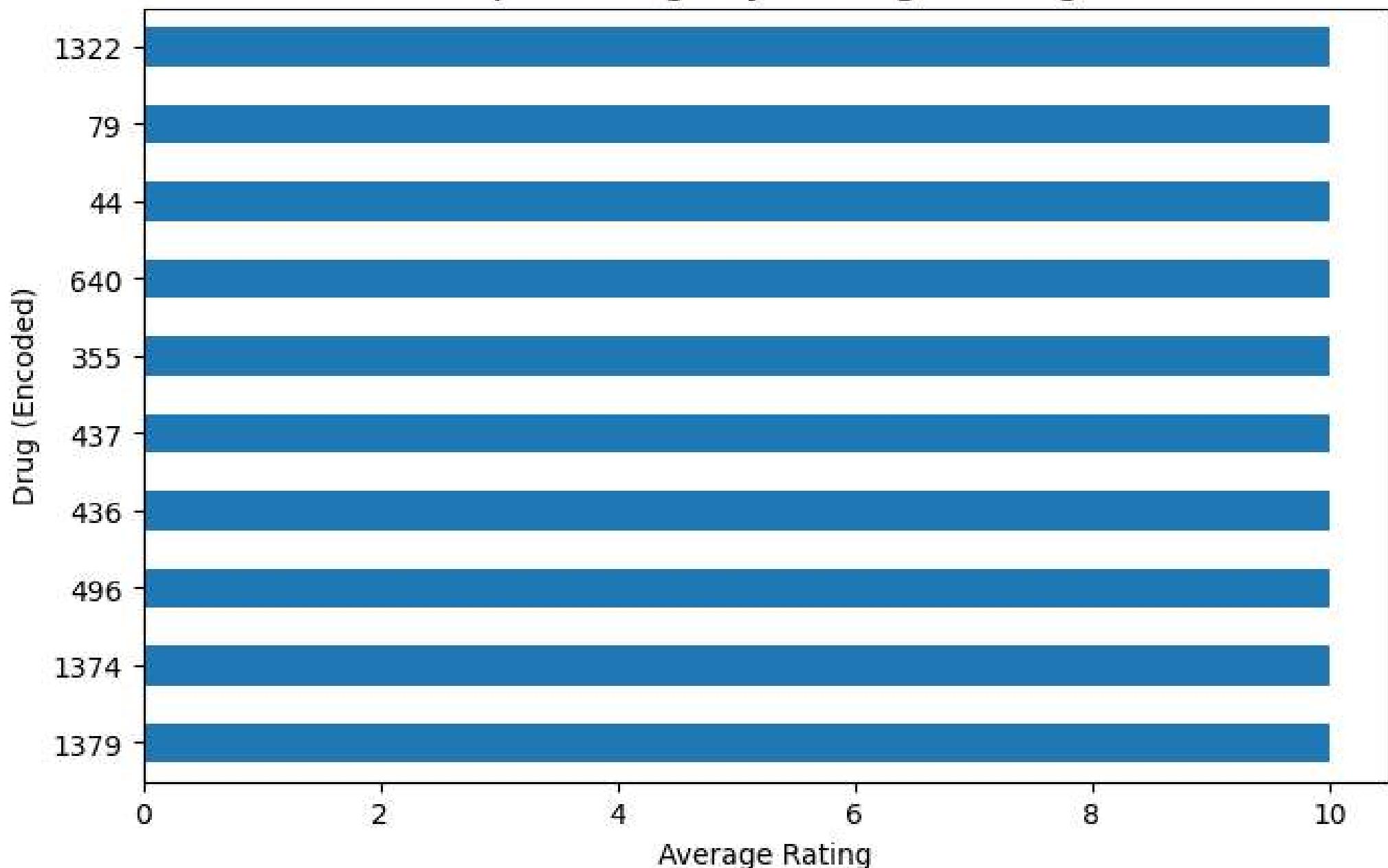
## Feature Importance



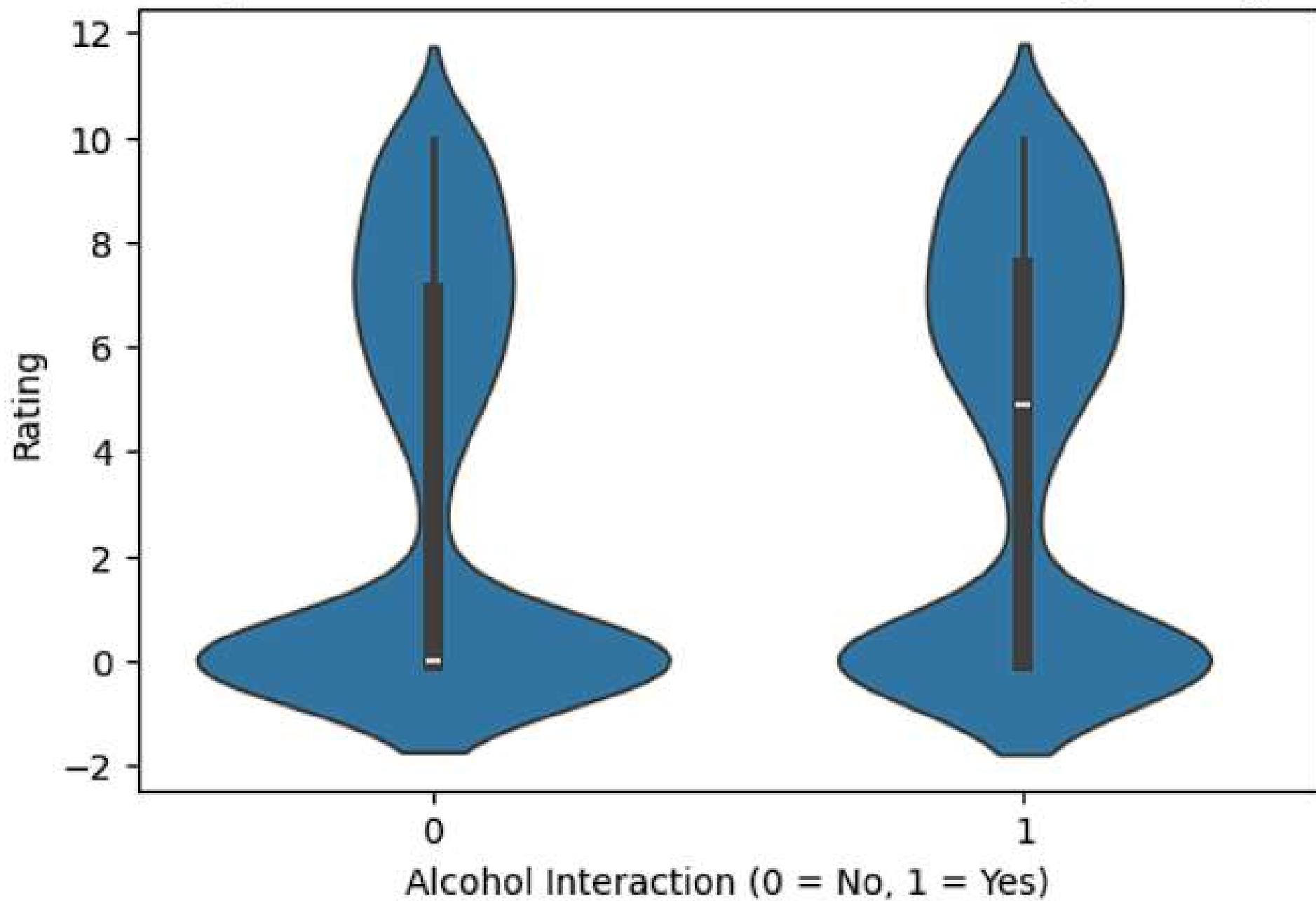
## Drug Rating Distribution by Risk Score



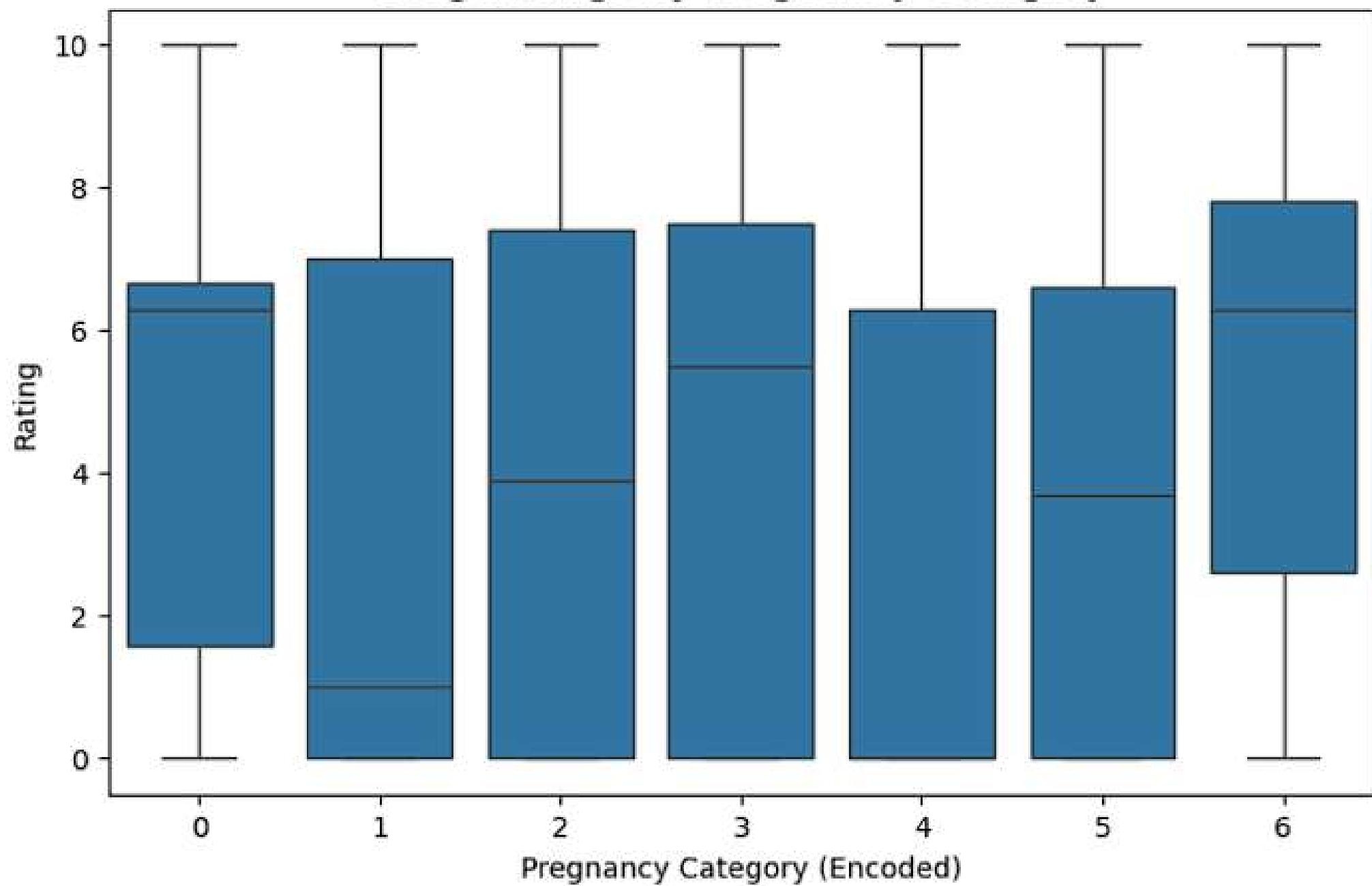
## Top 10 Drugs by Average Rating



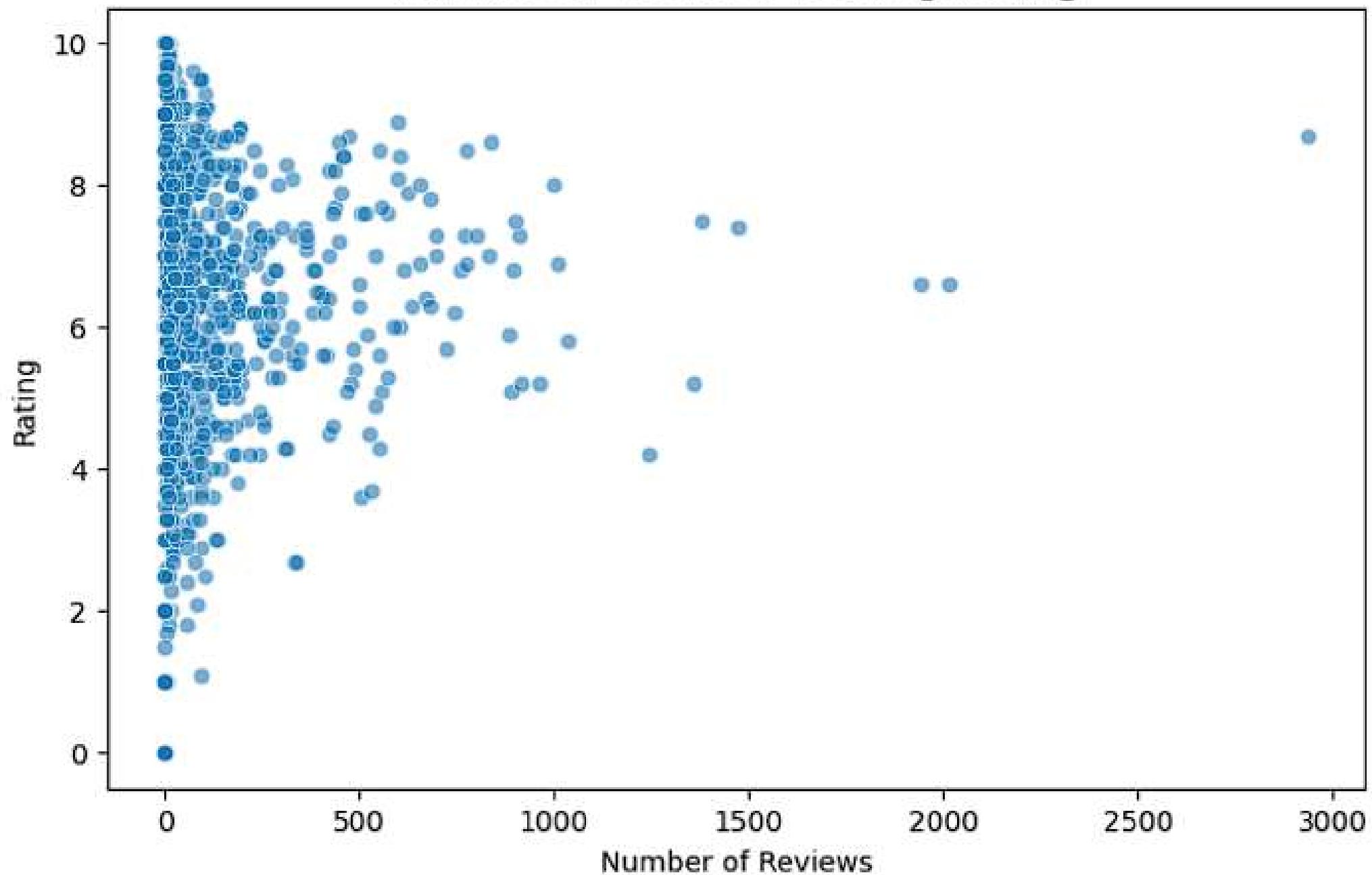
# Impact of Alcohol Interaction on Drug Ratings

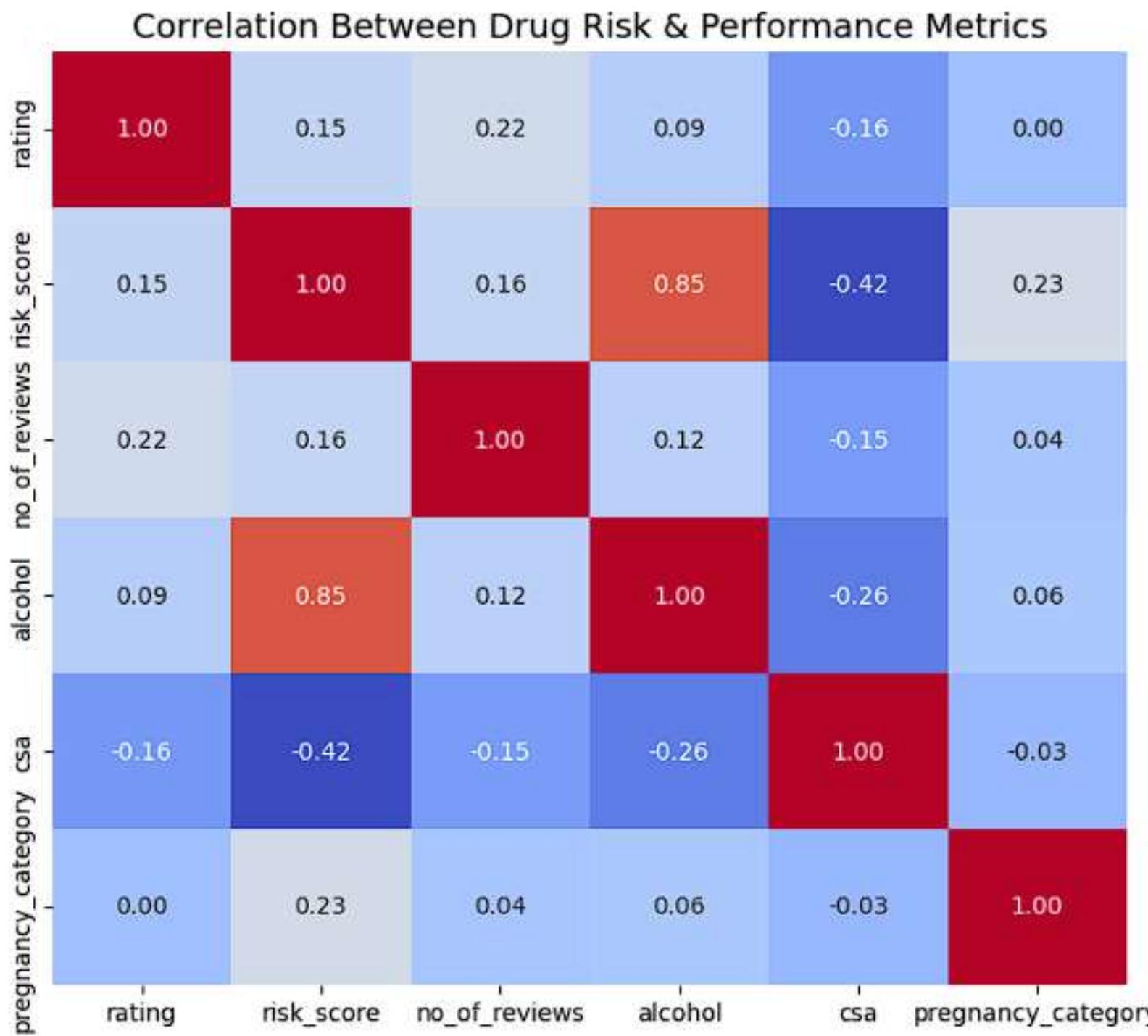


## Drug Ratings by Pregnancy Category



## Number of Reviews vs Drug Rating





	drug_name	medical_condition	side_effects	generic_name	drug_classes	brand_names	activity	rx_otc	pregnancy_category	csa	alcohol	related_drugs
0	doxycycline	Acne	(hives, difficult breathing, swelling in your ...)	doxycycline	Miscellaneous antimalarials, Tetracyclines	Acticlate, Adoxa CK, Adoxa Pak, Adoxa TT, Aloid...	87%	Rx	D	N	X	<a href="https://www.drugs.com/amoxicillin.html">amoxicillin: https://www.drugs.com/amoxicillin.html</a>
1	spironolactone	Acne	hives ; difficulty breathing; swelling of your...	spironolactone	Aldosterone receptor antagonists, Potassium-sp...	Aldactone, CaroSpir	82%	Rx	C	N	X	<a href="https://www.drugs.com/amlodipine.html">amlodipine: https://www.drugs.com/amlodipine.html</a>
2	minocycline	Acne	skin rash, fever, swollen glands, flu-like sym...	minocycline	Tetracyclines	Dynacin, Minocin, Minolira, Solodyn, Ximino, V...	48%	Rx	D	N	NaN	<a href="https://www.drugs.com/amoxicillin.html">amoxicillin: https://www.drugs.com/amoxicillin.html</a>
3	Accutane	Acne	problems with your vision or hearing; muscle o...	isotretinoin (oral)	Miscellaneous antineoplastics, Miscellaneous u...	NaN	41%	Rx	X	N	X	<a href="https://www.drugs.com/doxycycline.html">doxycycline: https://www.drugs.com/doxycycline.html</a>
4	clindamycin	Acne	hives ; difficult breathing; swelling of your ...	clindamycin topical	Topical acne agents, Vaginal anti-infectives	Cleocin T, Clindacin ETZ, Clindacin P, Clindag...	39%	Rx	B	N	NaN	<a href="https://www.drugs.com/doxycycline.html">doxycycline: https://www.drugs.com/doxycycline.html</a>

data.describe(include=[-all-])

	drug_name	medical_condition	side_effects	generic_name	drug_classes	brand_names	activity	rx_otc	pregnancy_category	csa	alcohol	related_
count	2931	2931	2807	2888	2849	1718	2931	2930		2702	2931	1377
unique	2912	47	2759	1392	274	1552	93	3		6	7	1
top	triamcinolone	Pain	hives ; difficult breathing; swelling of your ...	diphenhydramine	Upper respiratory combinations	Acne-Clear, Benzac AC, BenzePrO, Benziq, Brevo...	0%	Rx		C	N	X
freq	3	264	10	17	245	10	895	1998		1382	2688	1377
mean	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN
std	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN
min	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN
25%	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN
50%	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN
75%	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN
max	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN		NaN	NaN	NaN