

WebMD.com Review

KO841610 | 25-34 | Female | On medication for less than 1 month | Patient 8/4/2018

### **Condition: Vaginosis caused by Bacteria**

Overall rating 4.0  $\pm \pm \pm \pm$ 

Effectiveness  $\star$   $\star$   $\star$   $\star$ 

Ease of Use  $\star$   $\star$   $\star$   $\star$ 

Satisfaction  $\star$ 

I find reviews to be helpful for people looking for real life answers like myself. Information is valuable. I had been dealing with BV for 6 long torturous months. The fishy smell was embarrassing and it would make me nauseous after while. When I got tested from my gynecologist, she told me that I was borderline BV....so they refused to give me anything. After a 2nd visit and more compliants from me because it would come back every single month after I took OTC med every month....my doctor finally prescribed me with Product A The rx was like \$120 even with my insurance! Luckily, my dr gave me a coupon and it dropped the price down to around \$40. I inserted the vaginal cream that same night (it's only one dose). Ever since I inserted it, I've had no more fishy smell and no more thin milky discharge....and it's been 2 months so far that I'm BV free! I'm so relieved! However, I did get a yeast infection that keeps coming back after I've tried several treatments (I tried three over-the-counter products ). BV gone but YI is still lingering around. I'm currently trying boric acid suppositories for my reoccurring YI. I hope it works. But as far as Product A for BV, it worked for me! I'm 2 months free of BV and I was getting them every month for the last 7 months! I would recommend Product A but please beware of possible yeast infection or UTI. I hope that this information helps. Read Less ~

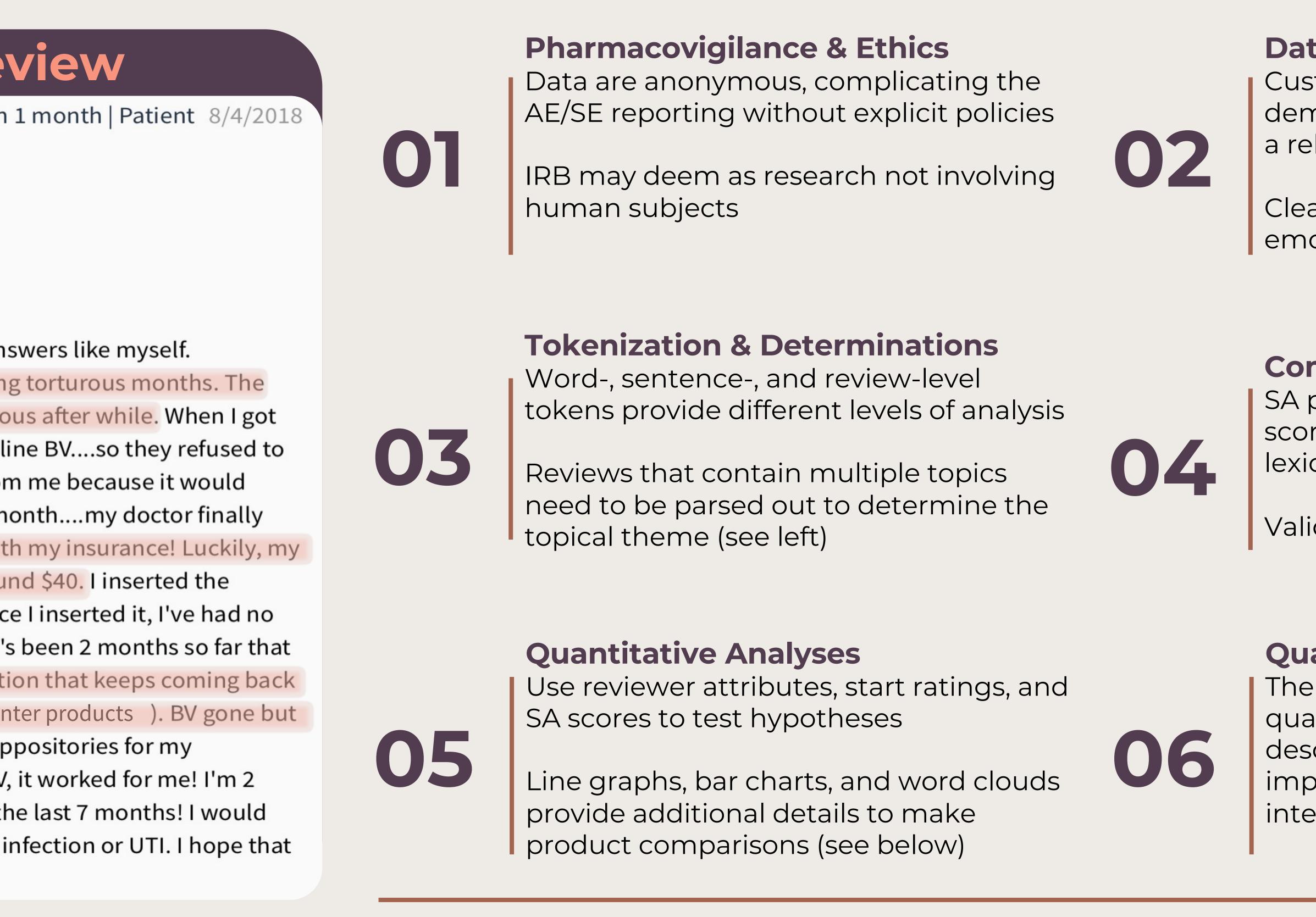
## **DETERMINATION PROPORTIONS**

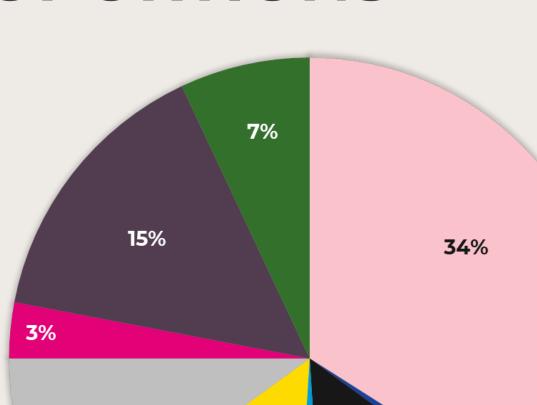
**Attribute:** Product characteristics **Use:** Reviewers' advice on how to use product Side Effects: Intended or unintended effect (excludes "no side effects") Efficacy, price, worth, or usefulness Value Adherence: Reviewers who stopped taking it **Condition:** Disease state and its impact **Cross Product:** Other products used & efficacy **Doctor:** Interactions with a provider **Neutral:** Dose, encouragement, questions

# A Methodological Approach Using Sentiment Analysis (SA) of Online Medical Forums as a Source of Real-World Data on Patient Experiences

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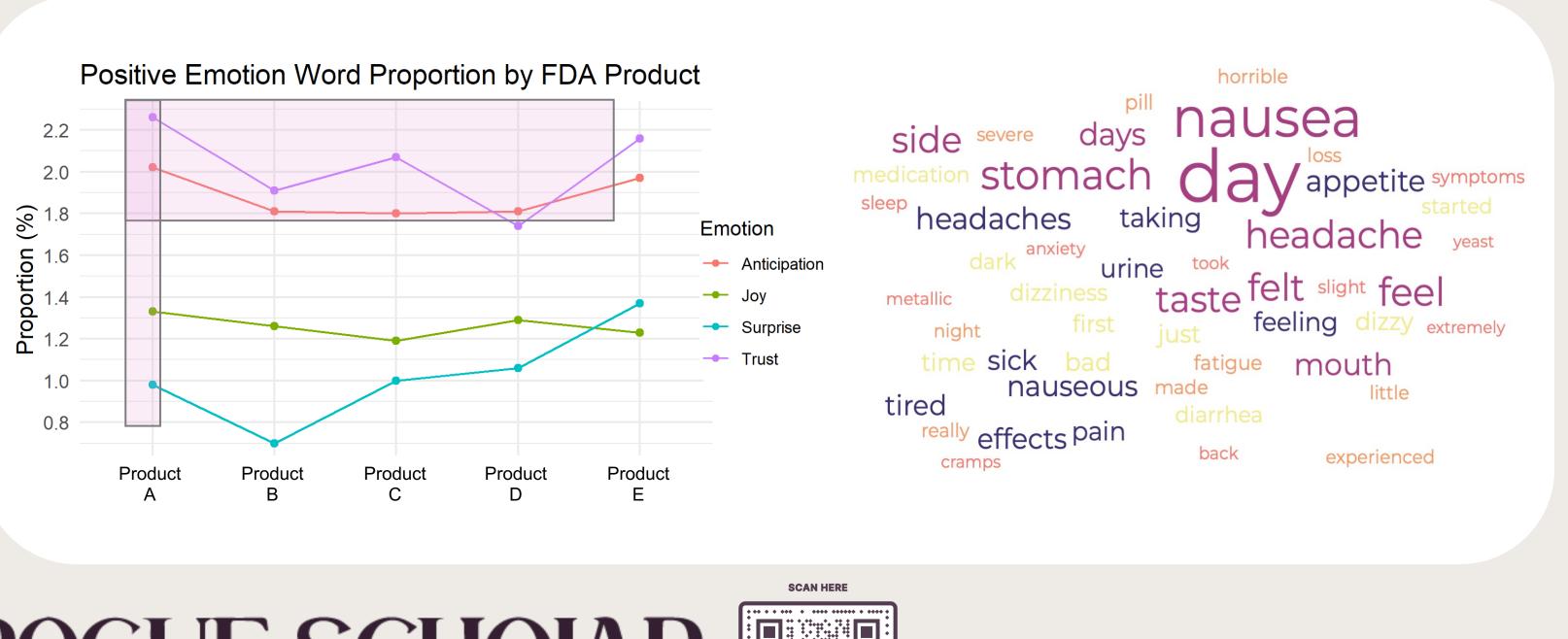
Online reviews of products used to treat medical conditions are a rich source of real-world data. Analyzing these data is a novel alternative to patient interviews and focus groups. The methods described here have broad application across diseases, new and emerging therapeutic areas, and for outcomes research evidence generation





14%

14%



**ROGUE SCHOLAR** 

CONSULTING

## **LINE CHARTS & WORD CLOUDS**



## **RWD119**

## **Data Extraction & Cleaning**

Custom web scraper can extract all text, demographics, star ratings, & dates into a relational SQL database

Clean text of cases, special characters, emojis, contractions and typos

## **Compare & Validate SA Packages**

SA packages use different lexicons & scoring algorithms. Consider building a lexicon for a disease state of interest

Validate scores with a human review

## **Qualitative Analyses**

Themes can be summarized using qualitative description for a rich, straight description of an experience without the imposition of a theoretical or interpretative lens

