

## Introduction

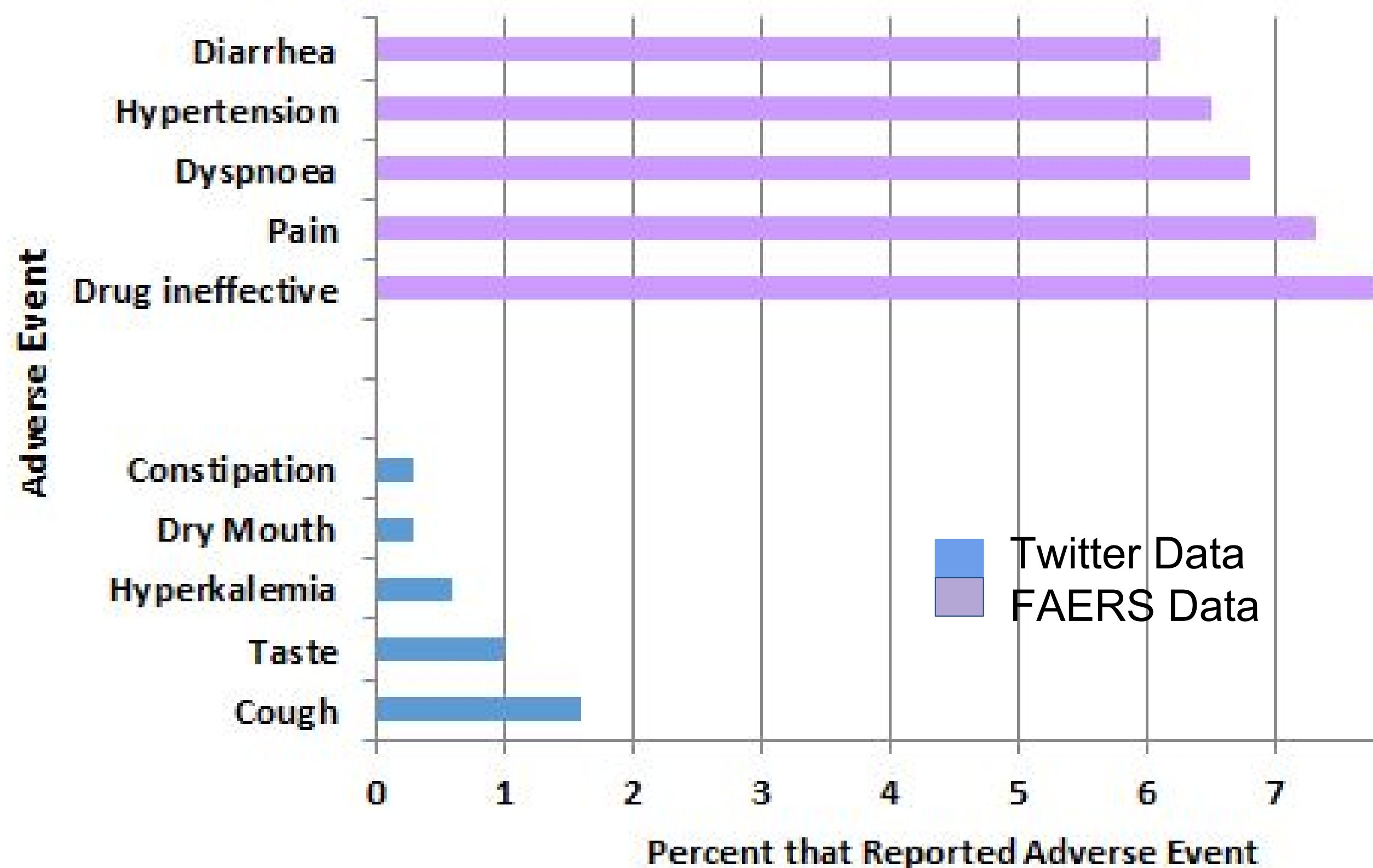
Captopril was the drug of choice because it is an ACE inhibitor, which is one of the most common drug choices to treat Hypertension.

## Twitter Data

- 300 tweets from 1/13/12 to 12/21/12 were randomly selected.
- 16/300 tweets stated at least 1 adverse event (5.3%)
  - 2 tweets expressed at least 2 ADE's

## TWITTER vs. FAERS

### Faers vs. Twitter



## Conclusion

Conclusively, this evidence shows that the ADE's on Twitter are very different from those listed on the FAERS. Many adverse drug events (ADE) listed on the FAERS were not also listed in the Twitter data. We believe this is due to how the small the Twitter data is compared to FAERS data.

## FAERS Data

- 825 ADE's were reported from 2011-2012
- 284/825 reported one of the Top 5 ADE's (34.4%)

### Top 5 Twitter ADEs

Event	Number of Events
Cough	5
Taste	3
Hyperkalemia	2
Dry Mouth	1
Constipation	1

### Top 5 FAERS ADEs

Event	Number of Events
Drug Ineffective	64
Pain	60
Dyspnea	56
Hypertension	54
Diarrhea	50