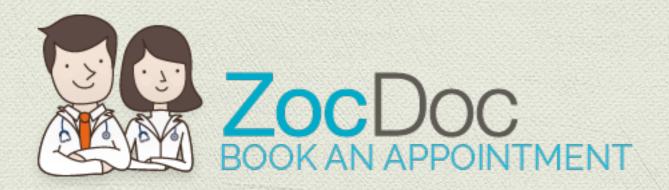# In Search of Reputable Doctors:
A Provider Recommendation App

Metis Final Project Presentation
by Itelina Ma

Sept, 2015

Finding a reputable, "good" doctor is hard ...

And current resources have limitations

Not all doctors participate or are listed

Slow and outdated provider search sites

Consumer reviews are not always reliable

CMS releases a comprehensive dataset on physician referrals …

CMS Physician Referral Data

- Referring doctor

- Referred-to doctor

- Total Referrals

- Doctor information (address, specialty)

Representing a rich resource for studying physician network relationships

CMS Physician Referral Data

- Referring doctor
- Referred-to doctor
- Total Referrals
- Doctor information (address, specialty)

Network Analysis

- Eigenvector Centrality ("importance")

- Degree ("connectedness")

Using network analysis I developed an interactive recommendation app

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Interactive App

www.providersearch
companion.com

Questions?