

# In Search of Reputable Doctors: A Provider Recommendation App

Metis Final Project Presentation  
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Finding a good doctor is hard ...



**ZocDoc**  
BOOK AN APPOINTMENT



CASTLE CONNOLLY  
**AMERICA'S**  
**TOP DOCTORS®**



healthgrades



**Angie's list.**



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outdated provider  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

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## Network Analysis

- Eigenvector Centrality (“importance”)
- Degree (“connectedness”)



# Using network analysis I developed an interactive recommendation app

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## Interactive App

[www.providersearchcompanion.com](http://www.providersearchcompanion.com)



# Questions?

