AZiCATS NOW:
Mobile access to clinical studies

http://studies.medicine.arizona.edu/apps

Presented by:
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AGENDA

- AZ what?
  - Context

- Process and lessons
  - Project management
  - Design
WHAT IS AZiCATS NOW?
CONTEXT

- Studies for laypeople
- Grant application
- Short timeframe
  - 10 working days from request to launch
CONTEXT LESSONS

- Leadership buy-in
- Carrot and stick
PROJECT MANAGEMENT

- Agile management
- Communications management
PROJECT MANAGEMENT

- Project charter
  - Objectives -> Features
  - Features -> Releases

<table>
<thead>
<tr>
<th>Release 1</th>
<th>Release 2</th>
<th>TBD</th>
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<tbody>
<tr>
<td>• iOS/Android app&lt;br&gt; • UA studies&lt;br&gt; • Browse offline&lt;br&gt; • New study email digest</td>
<td>• ClinicalTrials.gov studies&lt;br&gt; • Geolocation data for all studies</td>
<td>• Multiple languages&lt;br&gt; • e-consent&lt;br&gt; • Participant database</td>
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PROJECT MANAGEMENT LESSONS

- Break up big problems
- Meet frequently
- SMEs
- Plan for the problems you can foresee
  - iOS app store review period
  - Enterprise license loophole solution
DESIGN – HOME SCREEN

Home

App Title

Find a Trial
FAQs
Learn About New Trials
Saved Trials
About this App
Design – Trial View (v1)

Individual Trial

Trial Info

- Title
- Description
- like website

- INFO
- CONTACT

[Diagram showing trial details and user interaction elements]
Contact for more information:

Study coordinator:
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Primary investigator:
Sairam Parthasarathy, MD

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Immunity in Aging

This study will examine immunity in a very large group of healthy individuals between the ages of 21 up to 100+ years. The goal of the study is to learn why some individuals have an increased sensitivity to new infections, such as West Nile Virus, and/or poor response to vaccinations (such as the flu vaccine). This information will be used to discover which parts of immunity may not be working properly.

Official study title:
Immunological Vulnerability and West Nile Virus Infection in Humans

Primary disease category:
Aging

Secondary disease category:
Healthy Volunteers, HIV/AIDS, Infectious
Find a Trial
(Categories)

Find a Trial

Segmented Control

universal search on all fields/trials
DESIGN – BROWSE/SEARCH (V2)
DESIGN LESSONS

- Paper prototypes are great
- Iteration improves design
  - Without iterations what would the app look like?
- Incorporating Milo Font
- New features require reevaluation
- No fixed size/ratio/orientation in modern mobile design
- Last minute changes are hard
- Limited Testing
SUMMARY: WHAT WORKED

- Agility + documentation
- Team commitment
- Engaged leadership
SUMMARY: CHALLENGES

- Sustainability
- Grant requirements vs. user requirements
- Short timeline
THANKS!

- UAHS BioCom
  - David Celaya, Rita Ellsworth, Margrit McIntosh
- UAHS Research Administration
  - Delfina Gaxiola, Dionisia Saner
- College of Medicine – Tucson ITS
  - Marcus Bates, Syed Hussain, Max Lieberman, Mary Vega, Keith Wilburn
- UITS Mobile Services
  - Ami Buczek, Wayne Peterson, Casey Skowron
QUESTIONS?