

IcePAK

Team

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Problem

- ❖ Globally, there are over 3 million deaths per year from vaccine-preventable diseases
- ❖ Most of these occur in developing countries
- ❖ Over half of those are children under 5

Challenge

- ❖ Vaccines require specific storage requirements
- ❖ Inability to properly store vaccines can impact distribution
- ❖ Affected areas often have low visibility
- ❖ Current data is difficult and time consuming to reason about and process

Solution

- ❖ Make data easy to consume
- ❖ Highlight problem areas
- ❖ Make recommendations on future resource use
- ❖ Make it easy to update

Technology

- ❖ Touch screen mobile device
- ❖ Android
- ❖ Nexus 7
- ❖ D3.js visualization library

Accessibility

- ❖ Variety of visualizations
 - Many use cases
- ❖ Smart color coding
 - Fast to process
- ❖ Keep superfluous information at bay
 - Focus on what you need

Visibility

❖ Visual

- Color coding

❖ Spatial

- Dedicated graph space
- Clear orderings

❖ Deep

- Explore this problem area, right now

Guidance

- ❖ Who is most served by new resources?
- ❖ How many and where?
- ❖ What difference will it make?

Extention

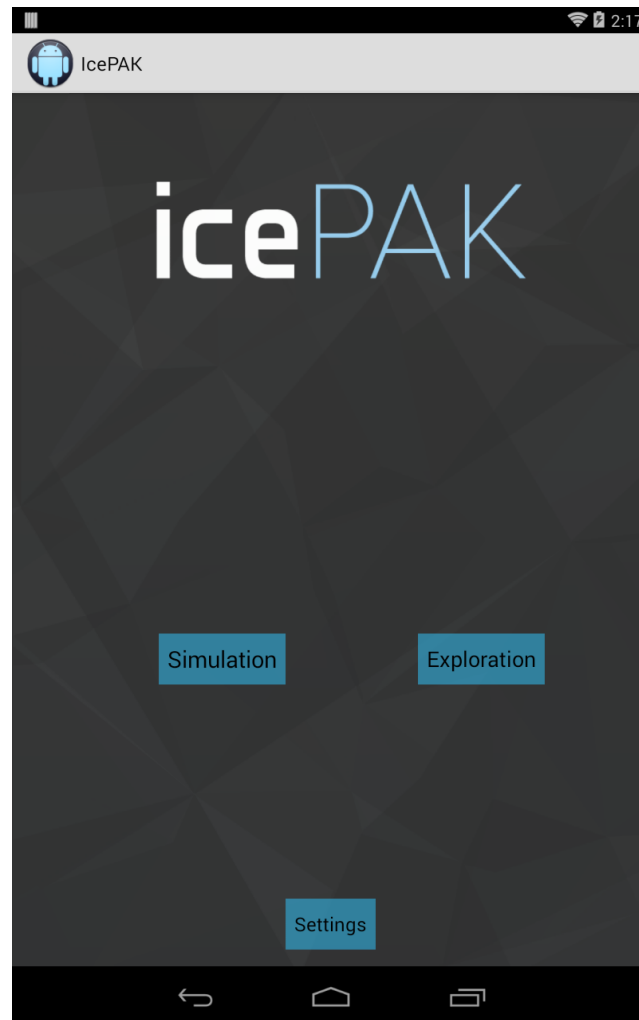
- ❖ Easy to update
- ❖ Updates quickly
- ❖ Use data in existing format

Demo

Demo

- ❖ We are a manager in Pakistan
- ❖ Data for June 2014 just arrived

Demo

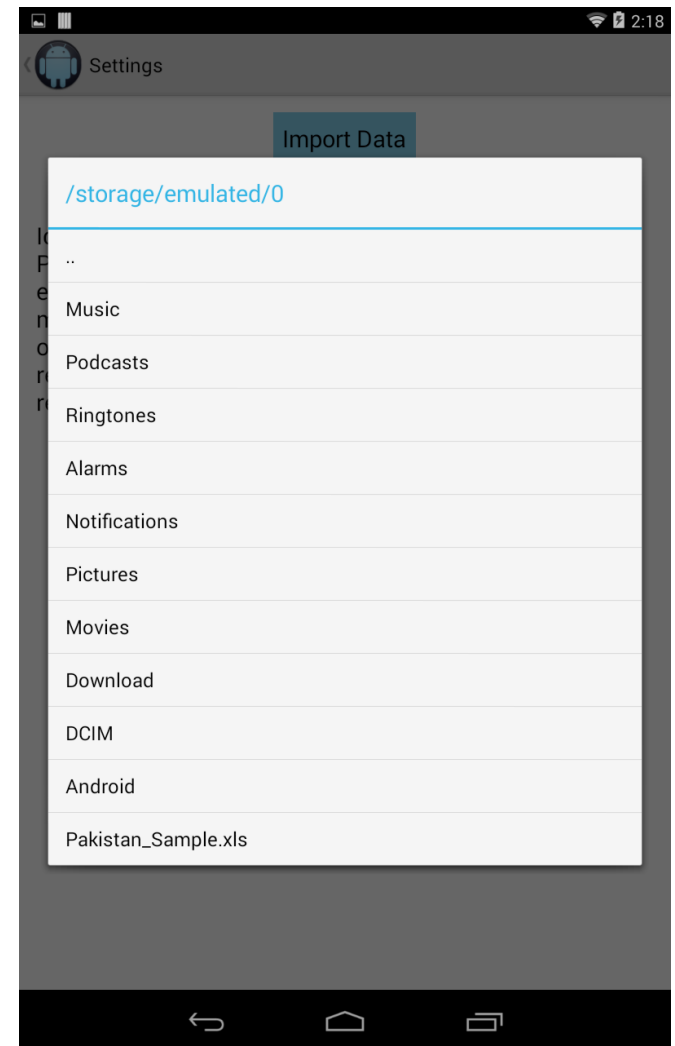


Demo

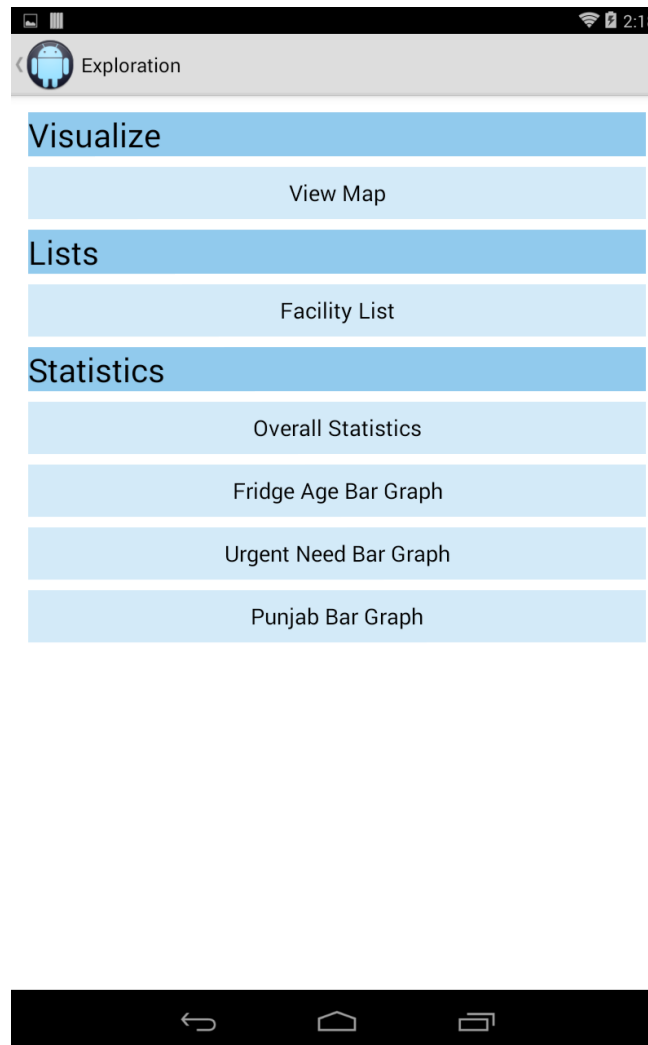


Import Data

IcePAK is focused on vaccine cold chain management in Pakistan. Its goal is to integrate large amounts of data into easily consumable forms, enabling decision makers and managers to allocate resources effectively. High visibility of problem areas and automated allocation recommendations, allows these at risk locations to be recognised early and dealt with efficiently.



Demo

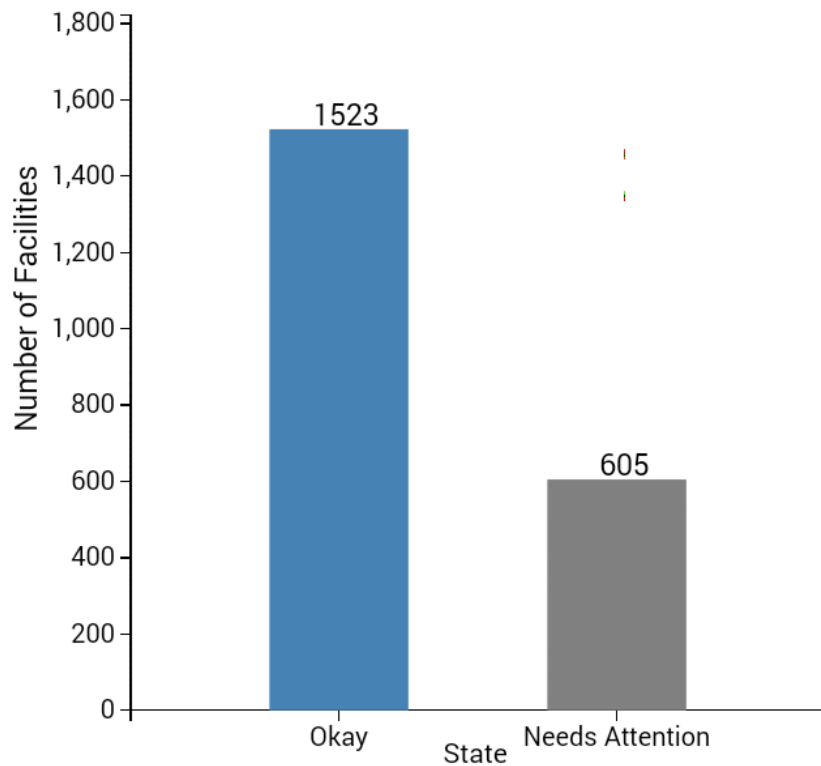


Demo

Saving screenshot...



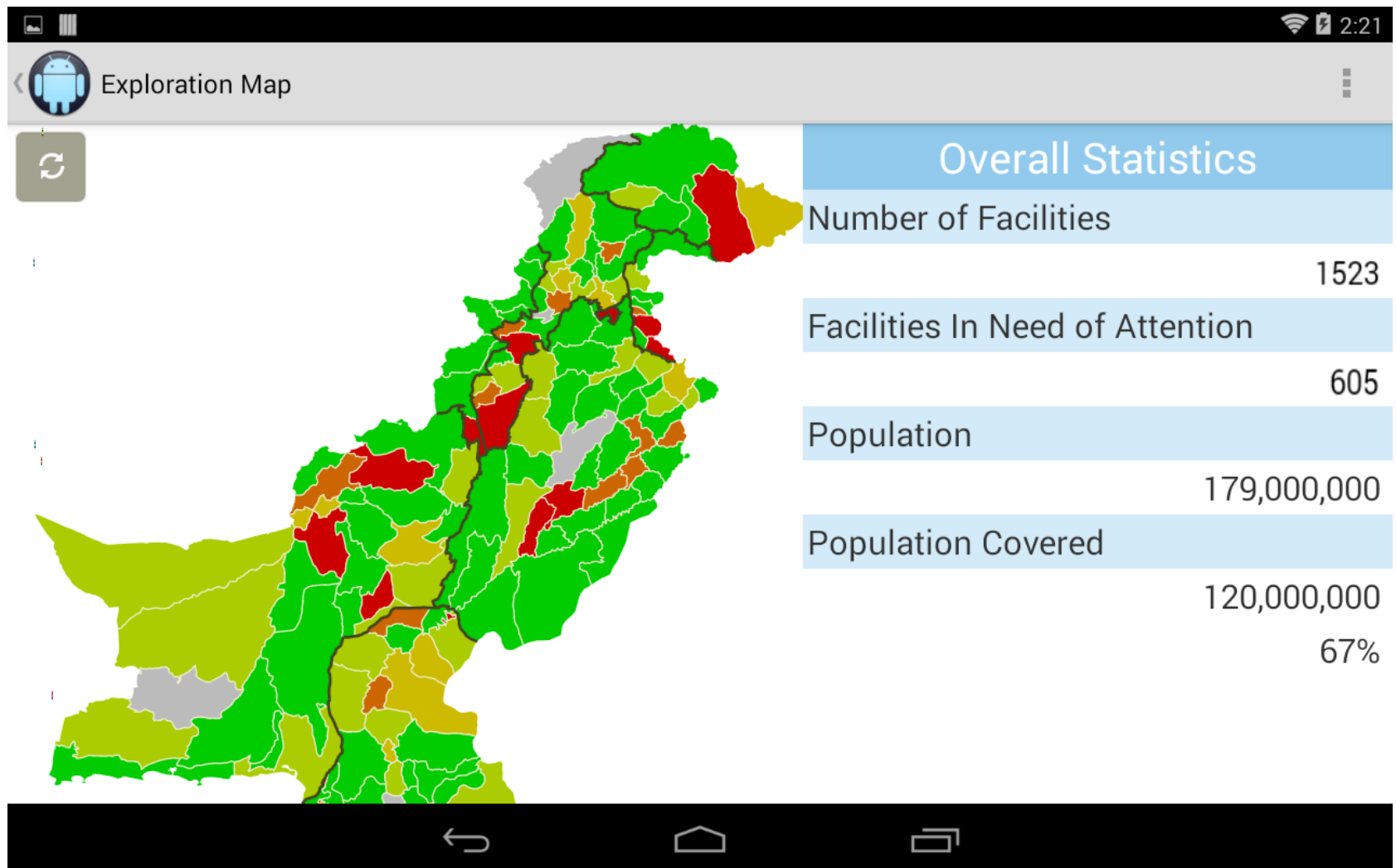
Urgent Need Bar Graph



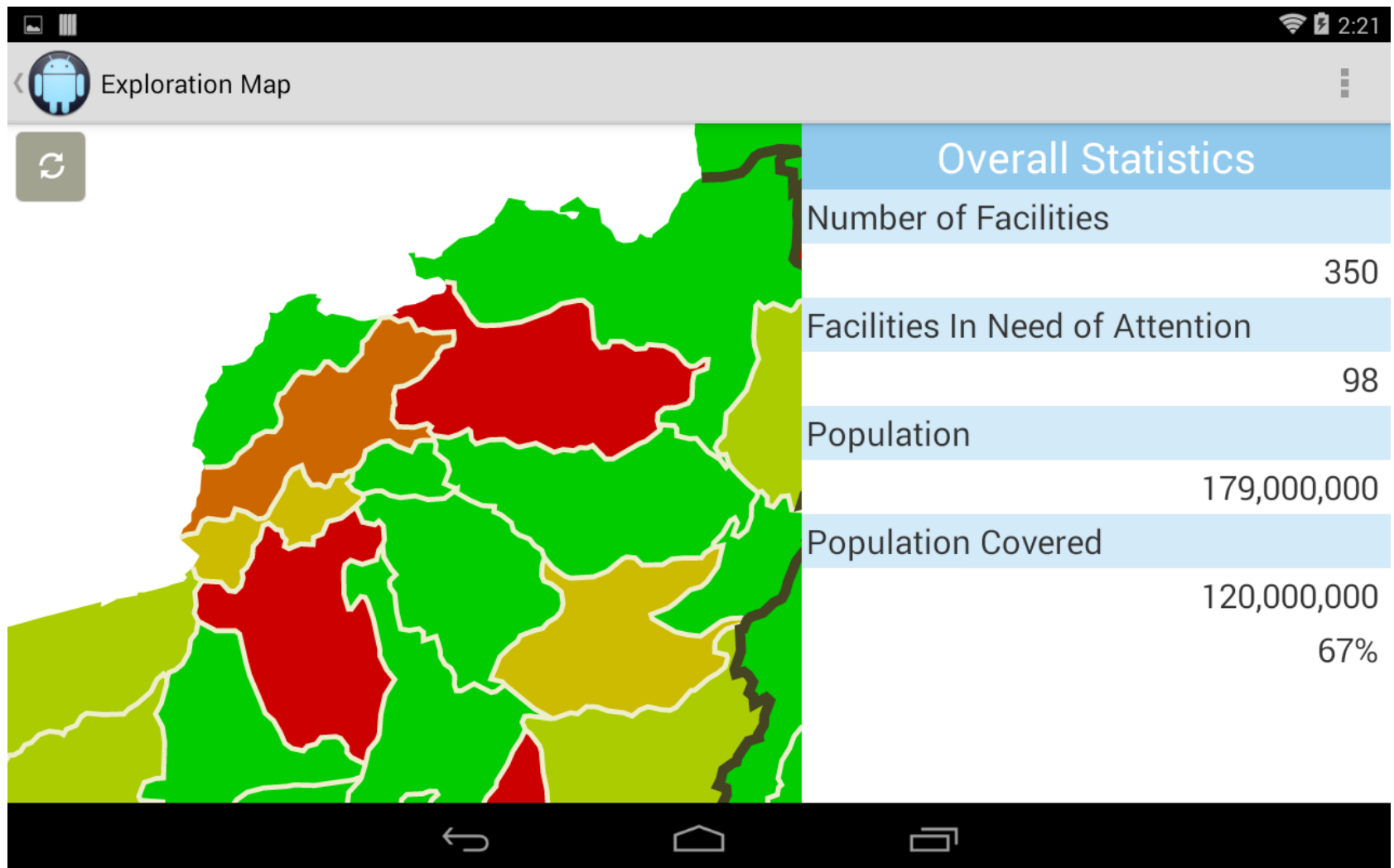
Facility	Coverage %
CB DISPENSARY WALTON	64%
Facility ID: AZ1350B180	
Current Refrigerator Capacity: 32	
Required Refrigerator Capacity: 50	
Population: 30792	
NISHTE EPI CENTER	66%
Facility ID: AZ360B48	



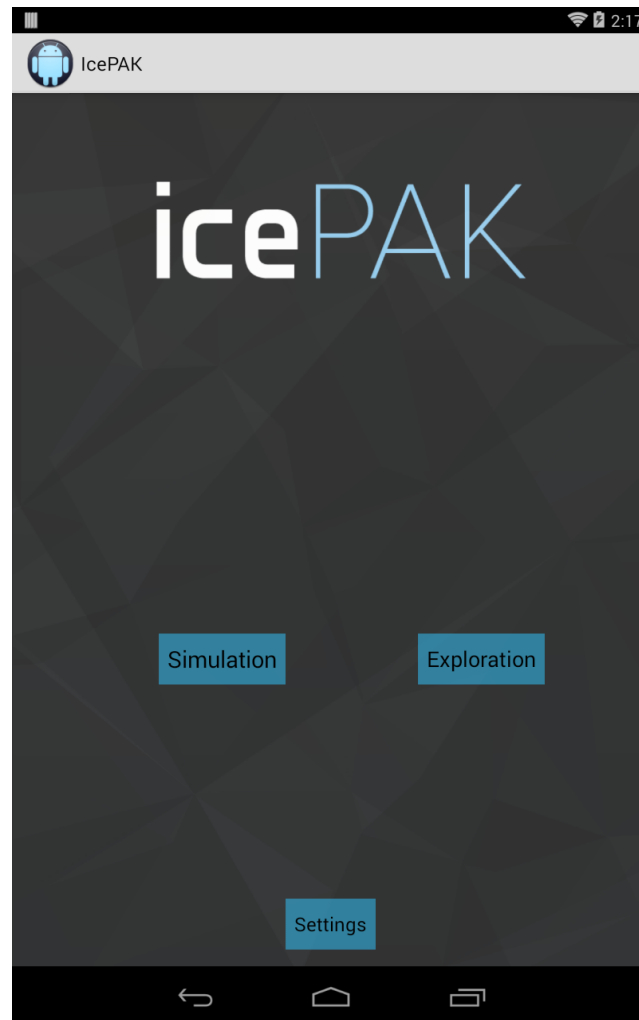
Demo



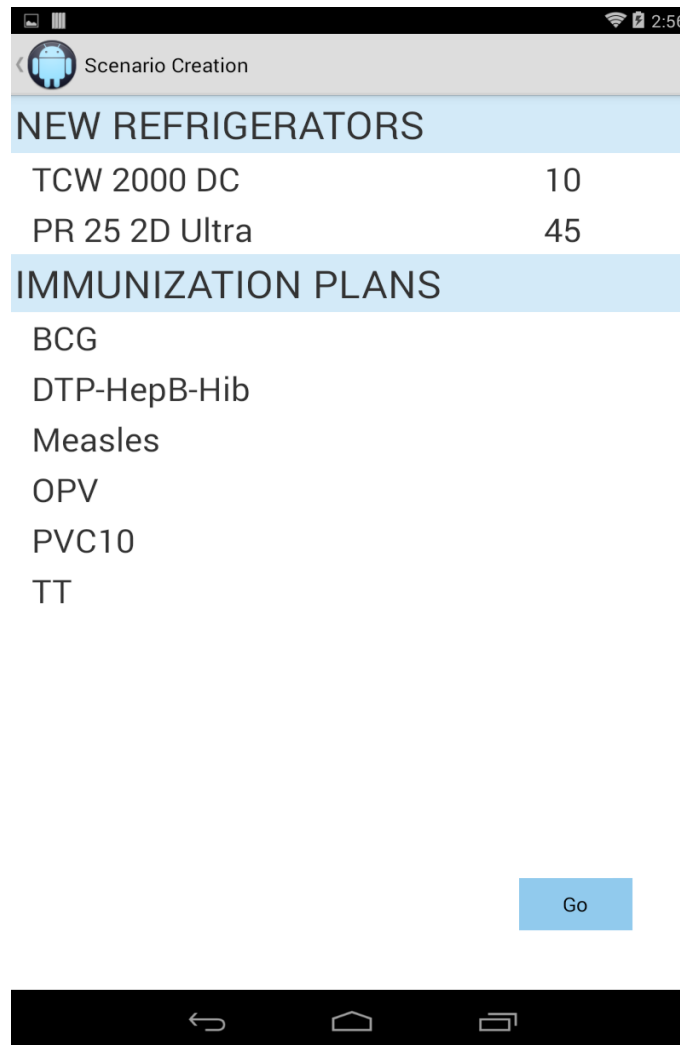
Demo



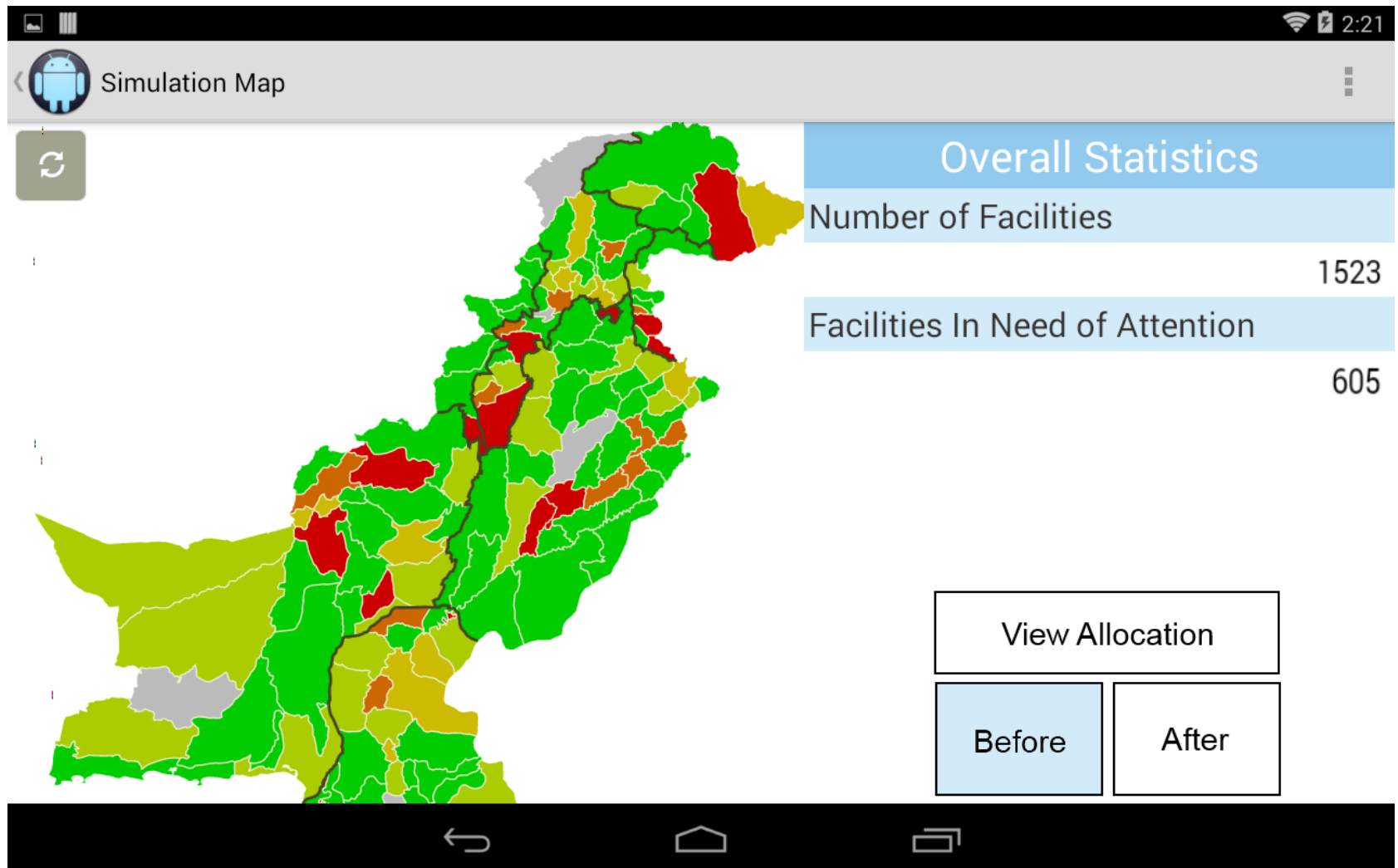
Demo



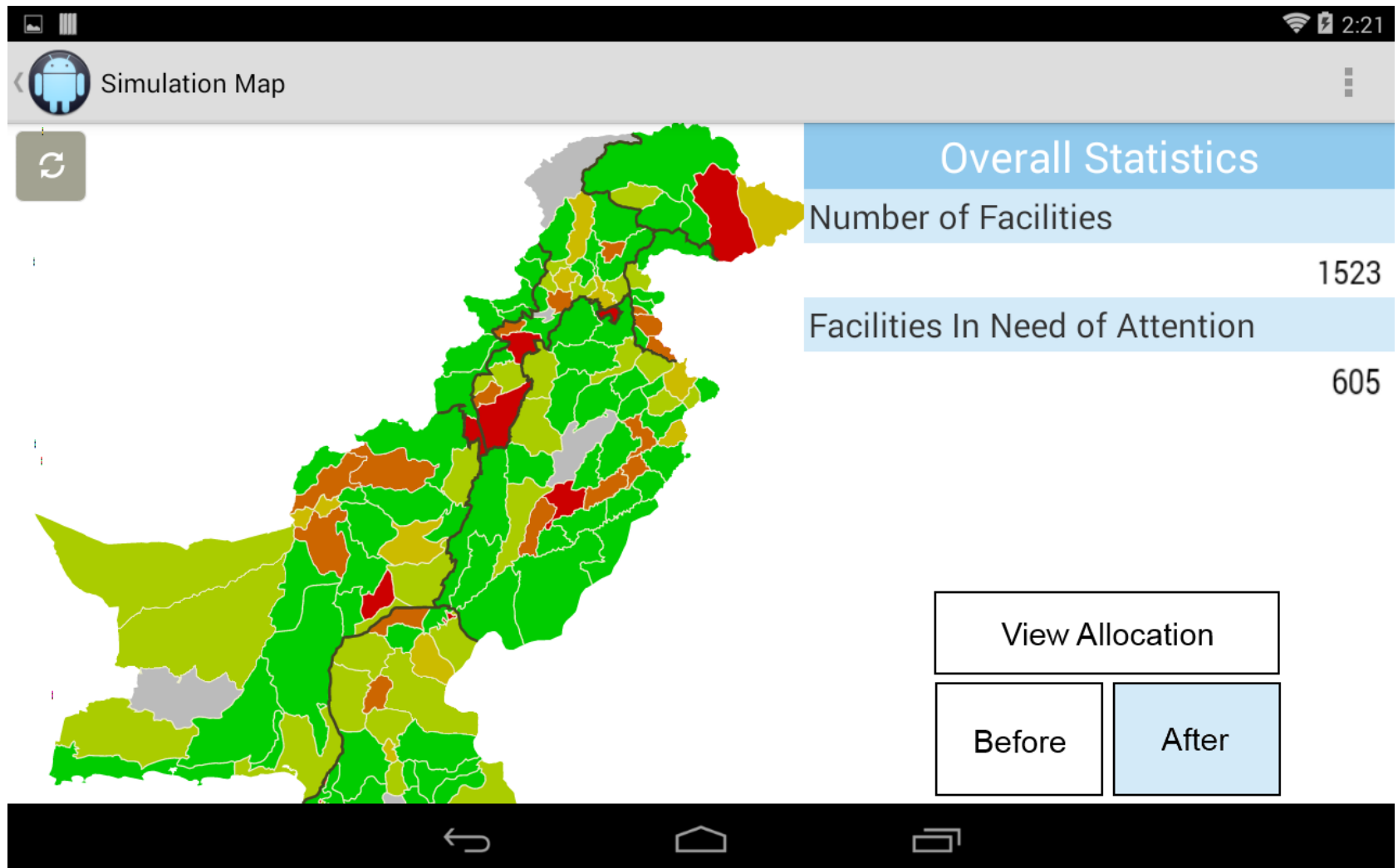
Demo



Demo



Demo



Thank you

Questions?