

VDH Data Jedis



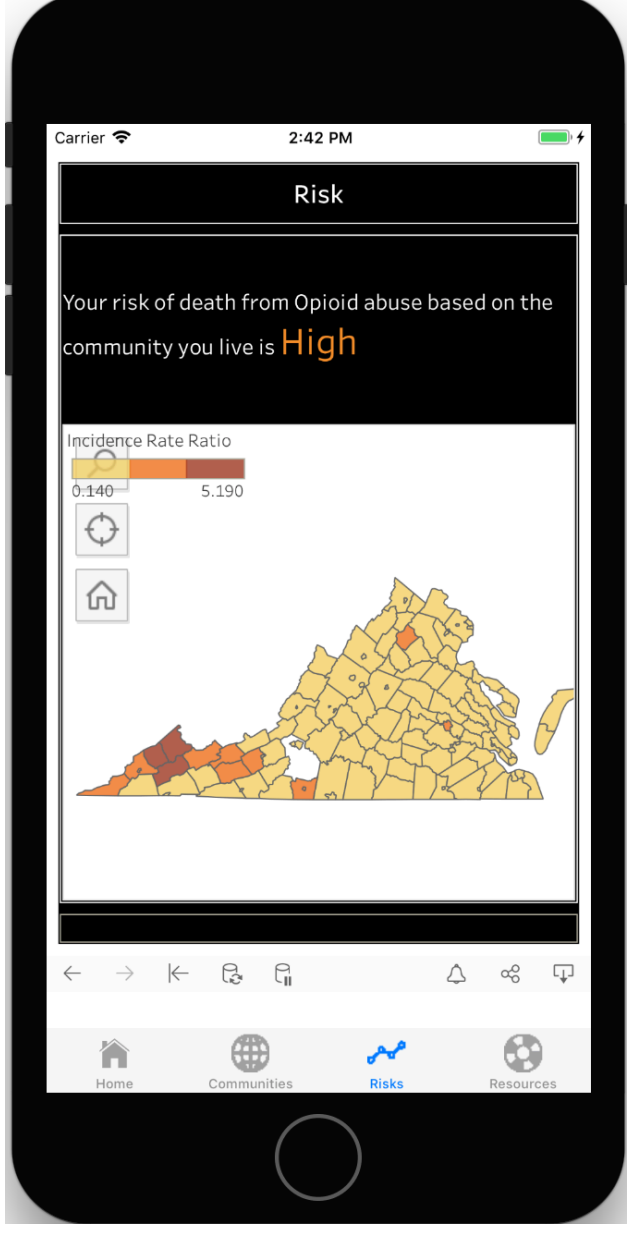
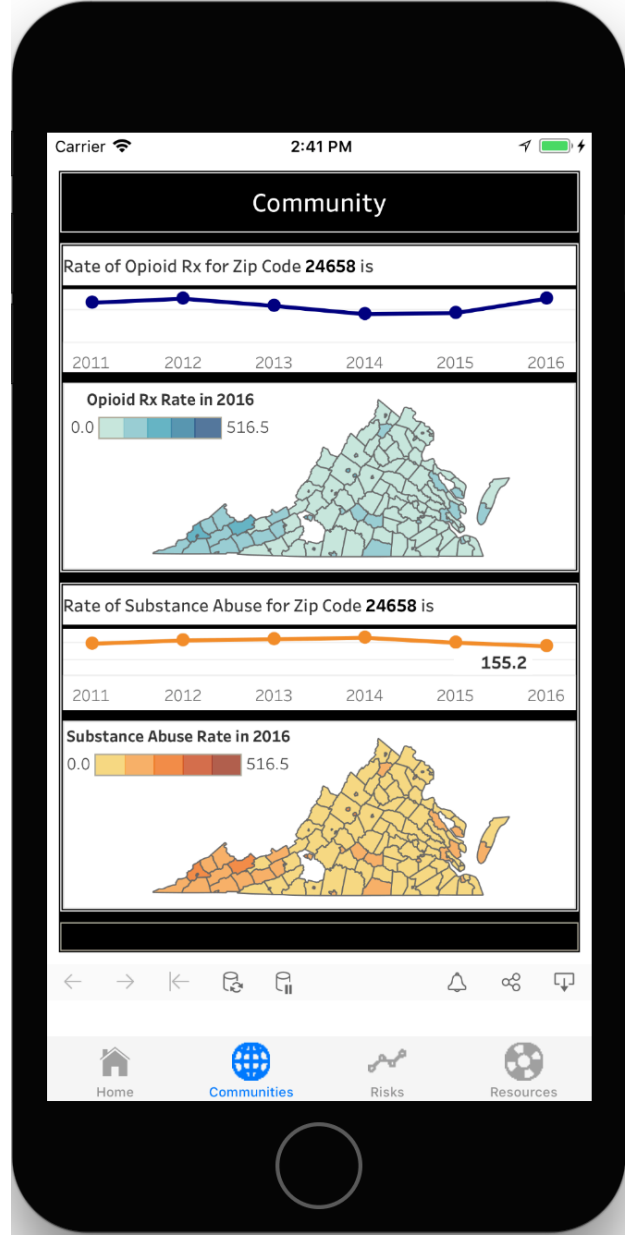
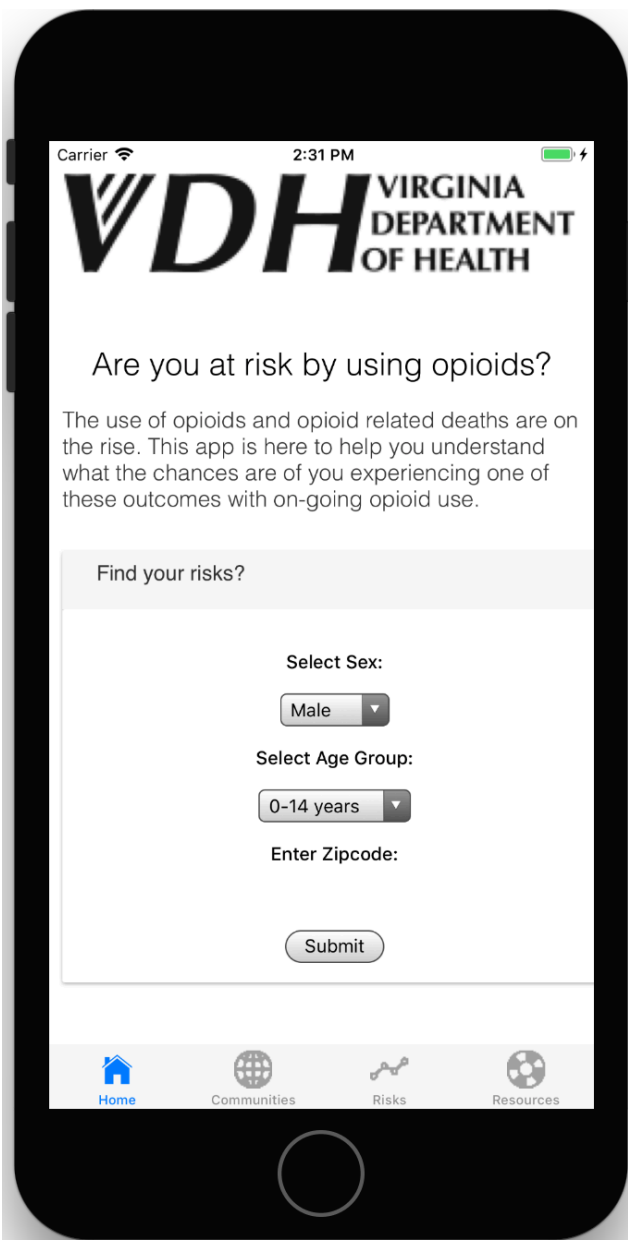
Opioid Risk Aware
Mobile App to Inform and Empower

Why

- Addiction is hard to overcome without assistance.
- Interaction with community resources identified that connecting people with resources is one of the greatest challenges.
- “Knowledge is Power” utilized to help trigger action.

Solution

- Developed an adjusted rate risk model that identifies a user's likelihood of death associated with opioid use relative to the other localities in Virginia.
 - Age, Sex
 - 1999-2016
- Provide the user the ability to see the resources that are available to them within their locality.
 - Pharmacies for Narcan, treatment centers, hospitals
- Deliver the solution in a mobile, visually appealing format.



Challenges and Next Steps

- Data!!!! The level of granularity available in most public datasets makes it challenging to develop “Personal” risk models.
 - Utilized data elements that are not publicly available to show how inclusion can enable better targeted communication, but ultimately not enough time.
- Additional time to finish app coding, not currently able to pass user selected attributes to the results, but totally possible.
 - More community resources will enhance value
- Social media campaign to make the population aware of the app.

Data Sources

Deaths- Virginia Vital Records

Substance Abuse - SAMSHA

Opioid Prescriptions - CDC Wonder