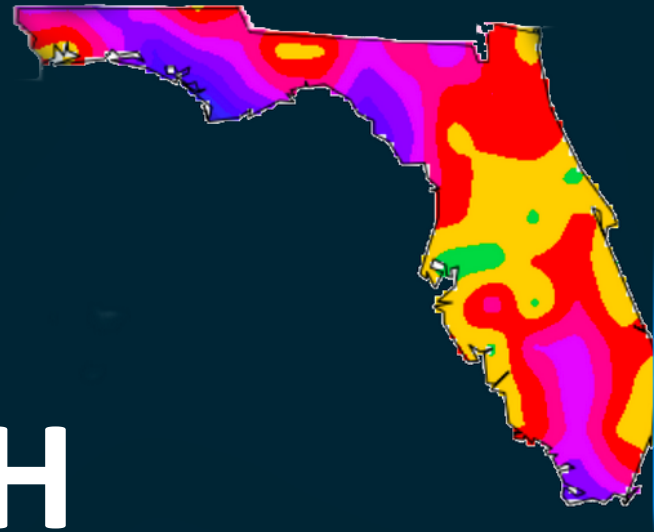# Team FloriDUH

Health Datapalooza Code-A-Palooza
June 2, 2014 Washington, DC

The Team

Lauren Still
San Francisco
Platform Dev
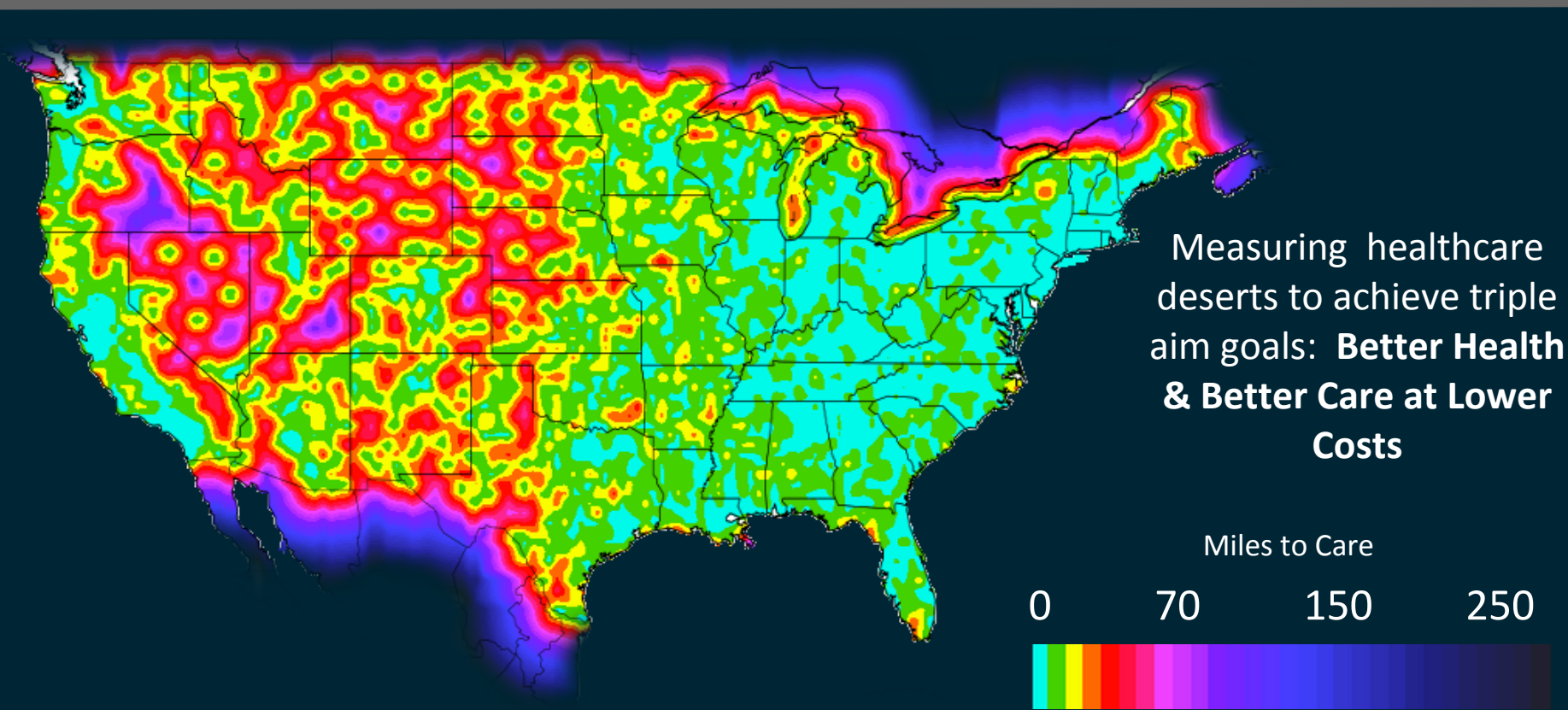

Nick Kypreos
Seattle
Data Science

Mandi Bishop
Jacksonville
Healthcare

The Void

Measuring healthcare deserts to achieve triple aim goals: **Better Health & Better Care at Lower Costs**

Miles to Care

0   70   150   250

Patient Care Problem

Case Study: Joe & Meryl Retiring in Florida

Joe: High BP, High Cholesterol, Enlarged Prostate
2 Comorbidities

Meryl: Diabetes, Kidney Disease, Depression, Needs Home Health
3 Comorbidities

Florida: Retirees need help evaluating communities

Multiple Chronic Conditions
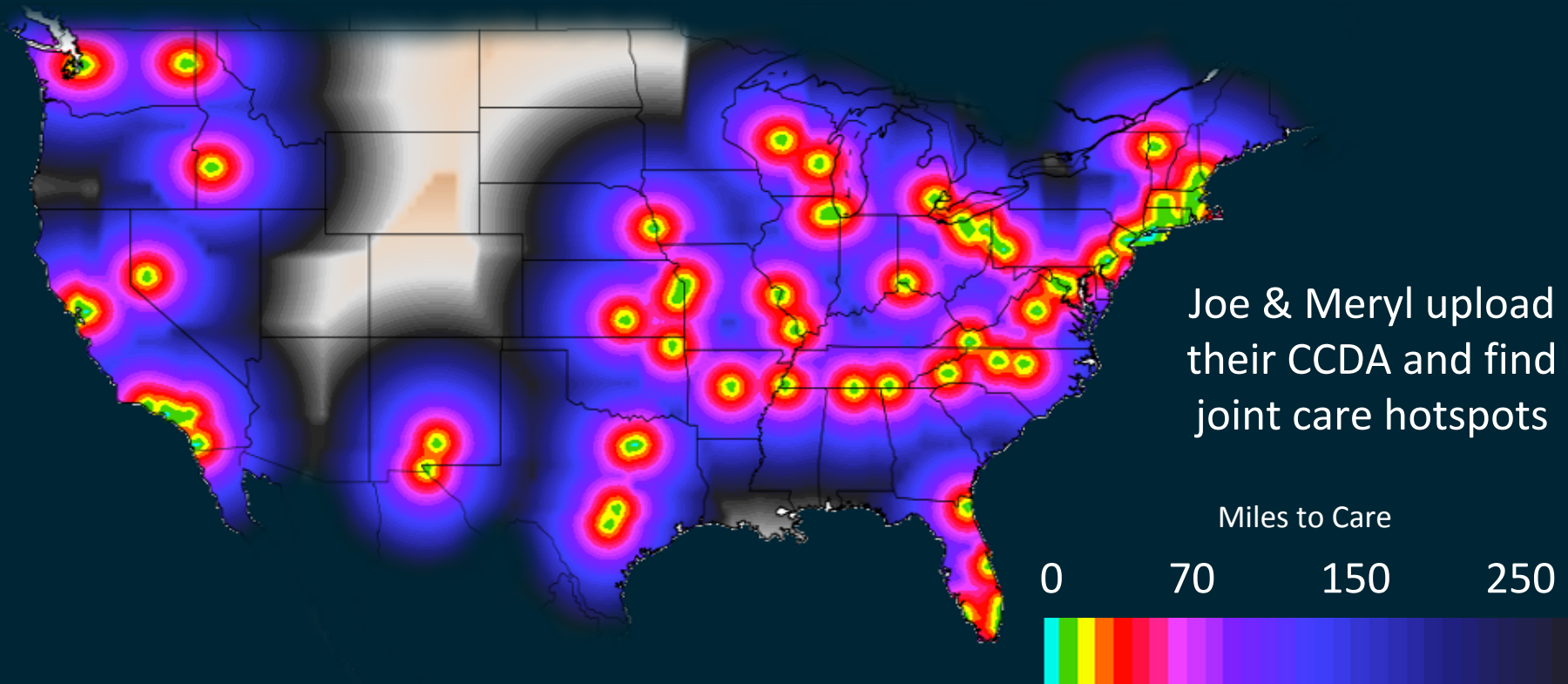
MCC patients account for **93%** of Medicare spending
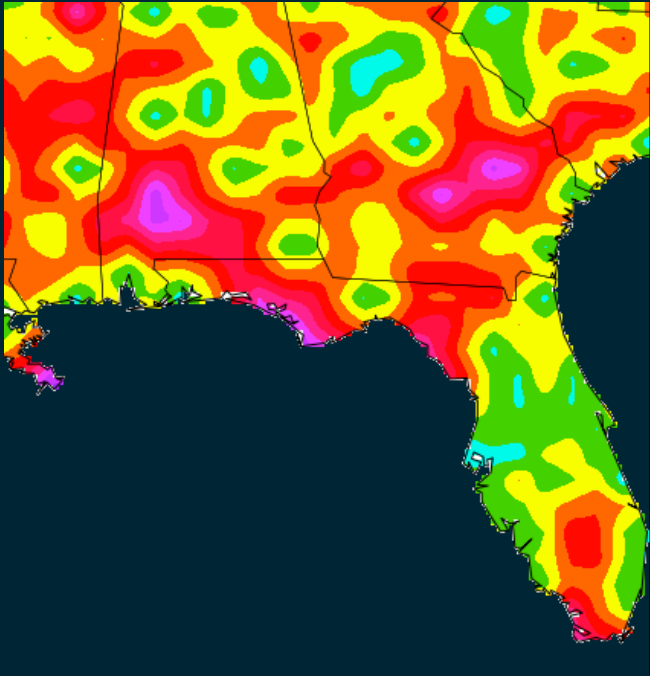
Inpatient care is **24%** more expensive for MCC patients

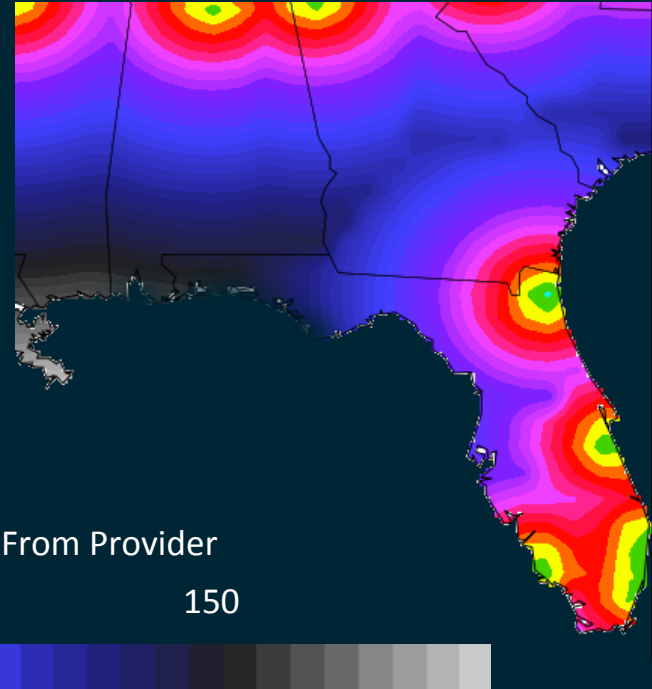**66%** of Medicare patients have multiple chronic conditions

Patient Solution

Joe & Meryl upload their CCDA and find joint care hotspots

Miles to Care

0   70   150   250

Individualized Mapping

Joe: 2 Comorbidities

Joe & Meryl Together

Miles From Provider
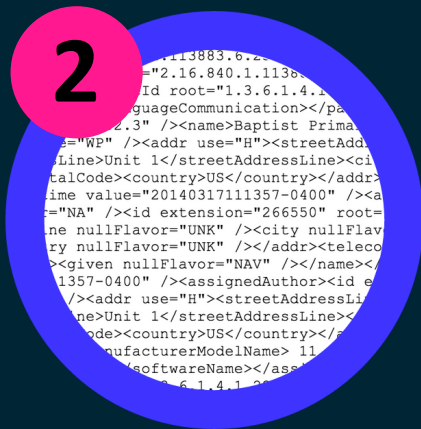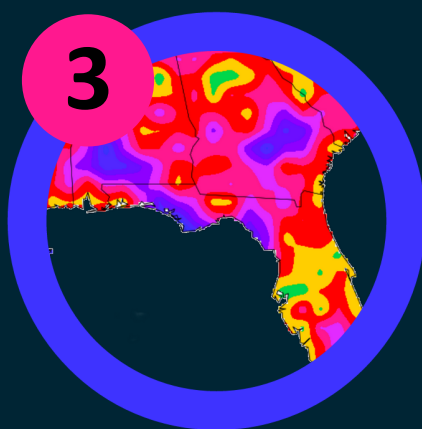
0   70   150

210

How It Works: UI

1 Download CCDA Data from Patient Portal

2 Upload one or more CCDAs into mapping platform

3 Discover areas of tailored care availability

Health System Problem

Case Study: ACO Network Performance

Attribution: Do available specialty providers meet needs?

VBP: Are outcomes, care status, satisfaction, cost measures met?

PHM: How does care availability impact risk strat, engagement, and management strategies?

FFS to Value-Based Payment

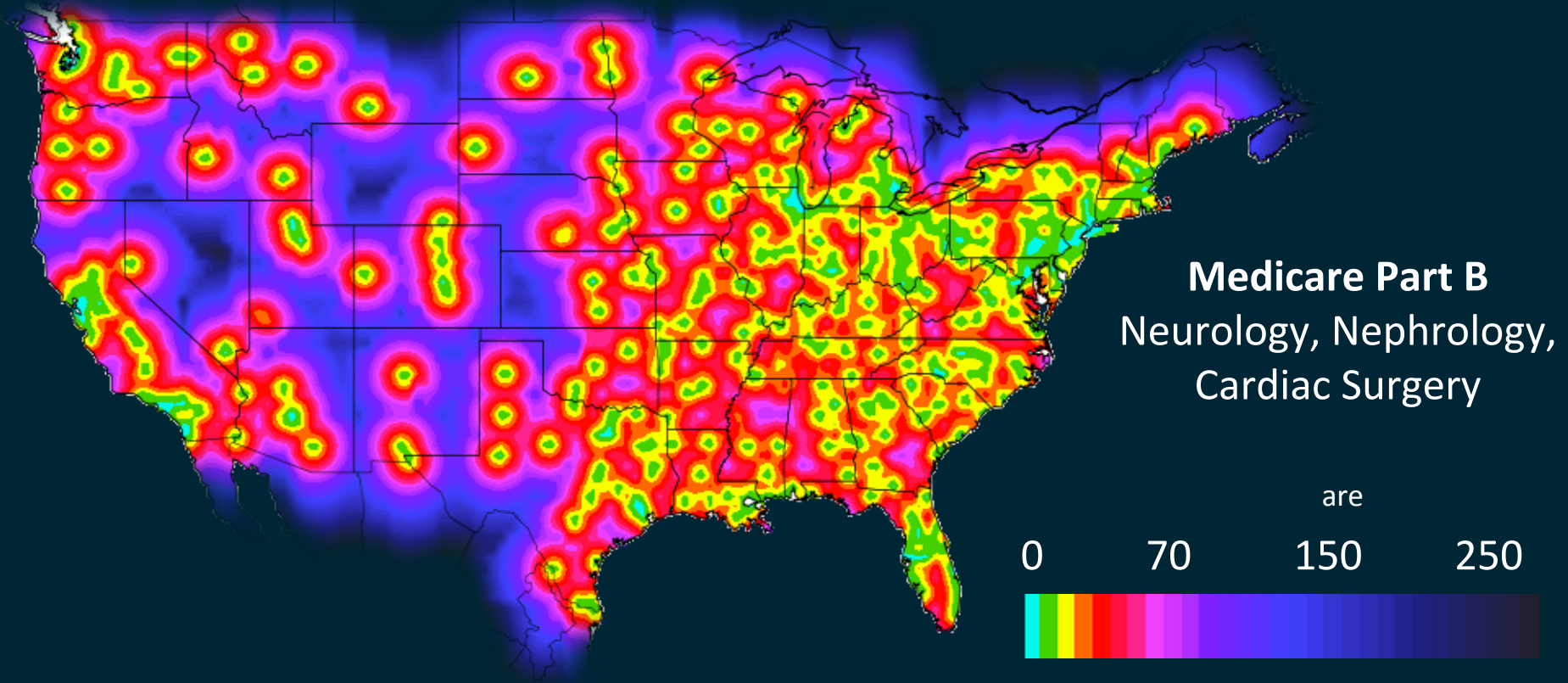VBP expected to save Medicare **$214B** over next 10 years

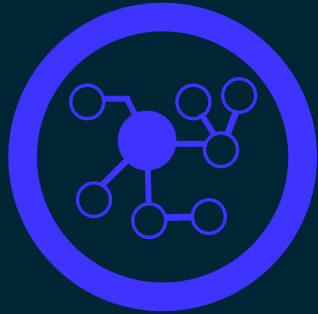Care coordination between hospitals and practices required to achieve savings

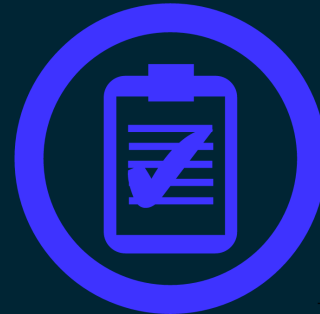Patient satisfaction scores impact reimbursement

Health System Solution

Medicare Part B
Neurology, Nephrology, Cardiac Surgery

are

0   70   150   250

Industry Benefits

Maximize ACO Specialty Provider Attribution

Reduce Hospital Readmission Rates

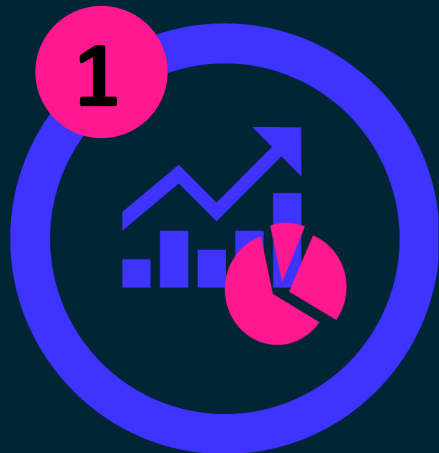**Reduce ED Utilization for Primary Care Providers**

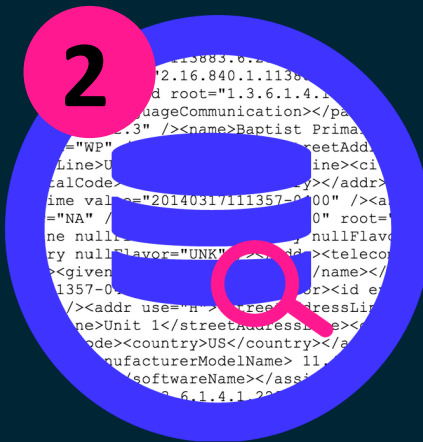**Replace Post-Acute Care w/ Preventative**

Improve VBP Performance and Patient Satisfaction

Analyze Population Health, Improve Outcomes, Lower Costs

How It Works: API

1

Connect prefered BI tool to the mapping platform

2

Customize query parameters

3

Discover geographic gaps in care availability

Future Goals

Current Stack:
- Python Analysis/Dataviz
- SQLite Database
- Ruby, Jekyll, JS Frontend
- Leaflet Geo,D3, Google Maps API

Long Term Goals:
- Full capacity analysis with populations
- Unified platform
- Security layer, and DB encryption
- Better geolocation granularity
- API to patient portals
- Blue Button, Direct integration

Special Thanks:
Erick Larin, Robert Scott Herrick, Eric Robbins, Alisa Woideck, Sheri Barley, Neueon and James Scott, Adaptive Project Solutions (Craig Steffen and Doug Mitchell), HL7S and Chad Johnson, Mark Silverberg, Rodolfo Sanchez, Harold Smith, Steve Sisko, Lynn Phillips, John Lynn, Greg Meyer, David Meyers, Brent Meyers, Esther Phillips and many more! Thank you for the love and support!

Questions

Get it? Got it? Good!

@TeamFloriduh
teamfloriduh.com