

The Role of Primary Care in Bundled Payment

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The Third National Bundled Payment Summit

Washington, DC

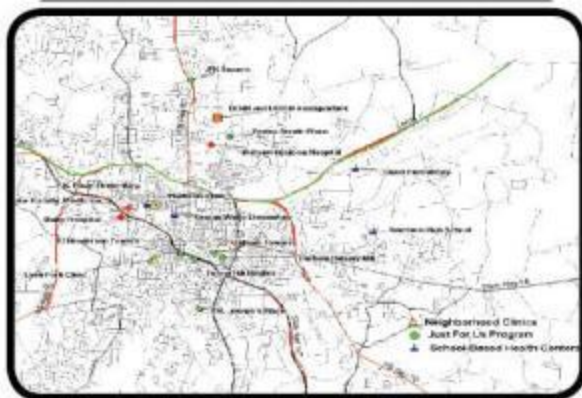
June 11th 2013



Duke Medicine



20 years of improving outcomes, lowering costs for diverse NC communities



>200 Duke Primary Care Providers

NC Medicaid: 6 counties
62,000 patients



Duke Medicine

The primary care world is transforming:

- 1) Medical Homes**
- 2) Networks**
- 3) EHRs and Big Data**

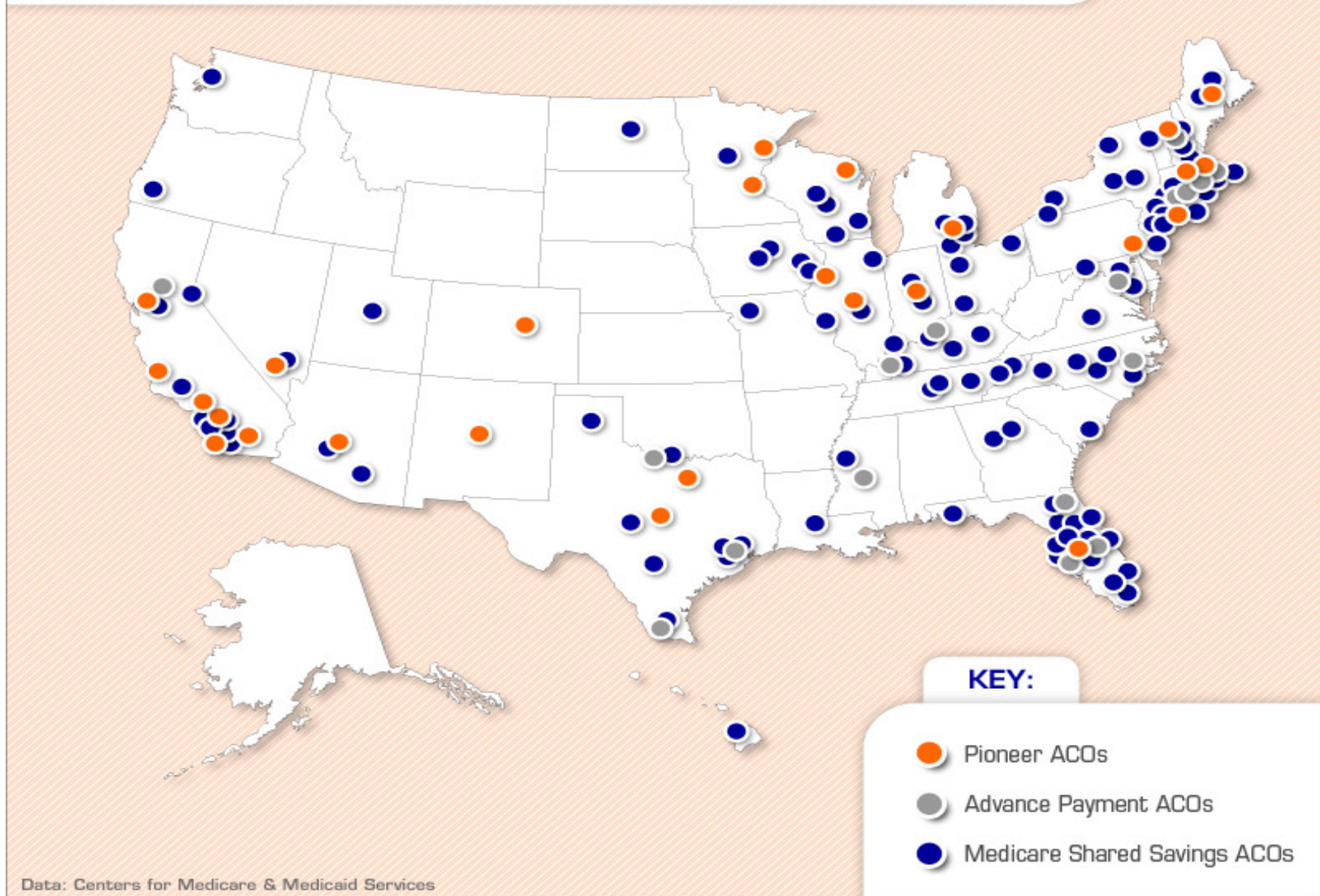
Opening new opportunities...

Patient Centered Medical Homes



Networks

MAP: 2012 MEDICARE ACCOUNTABLE CARE ORGANIZATIONS



North Carolina

Go There

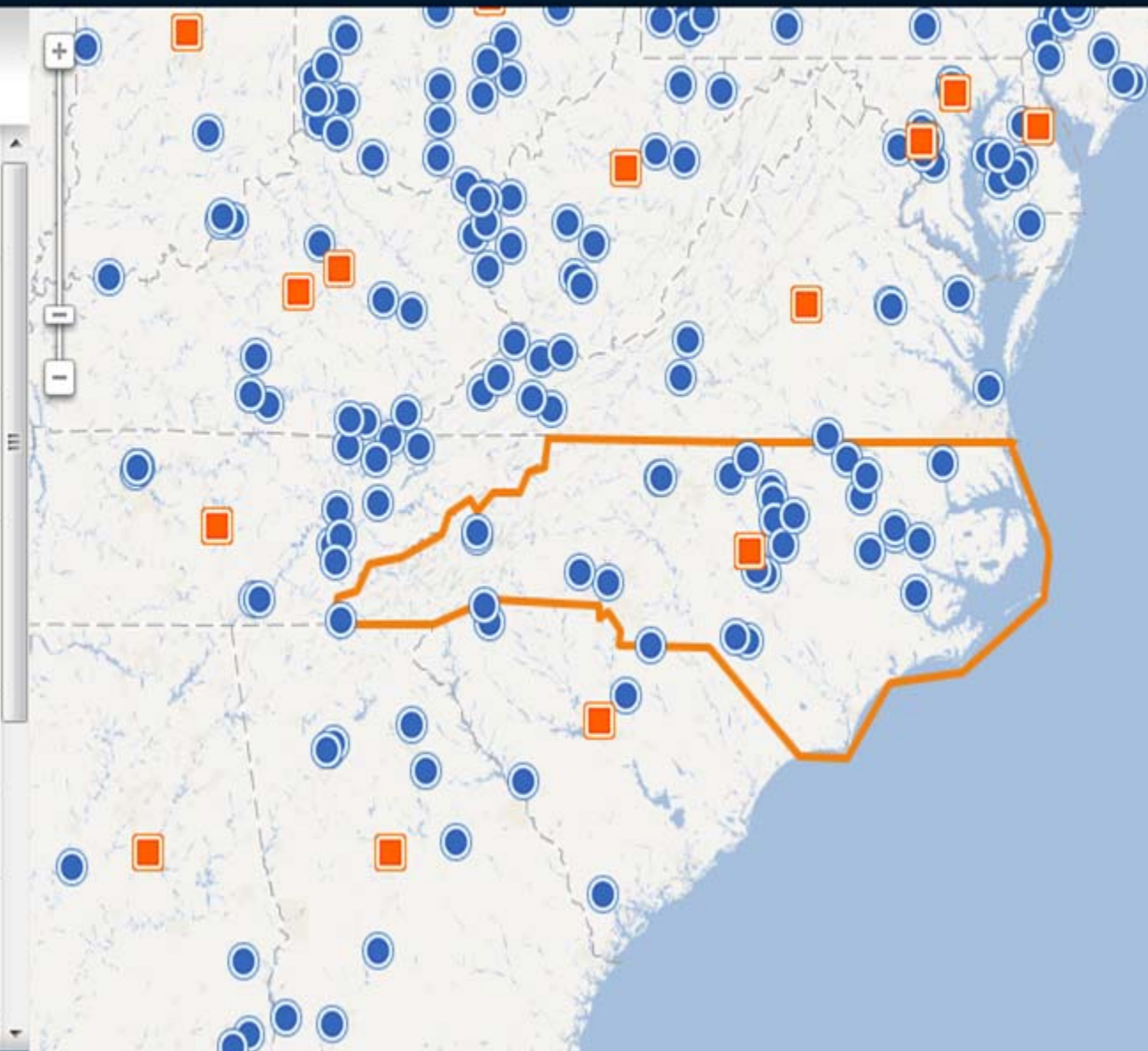
Networks

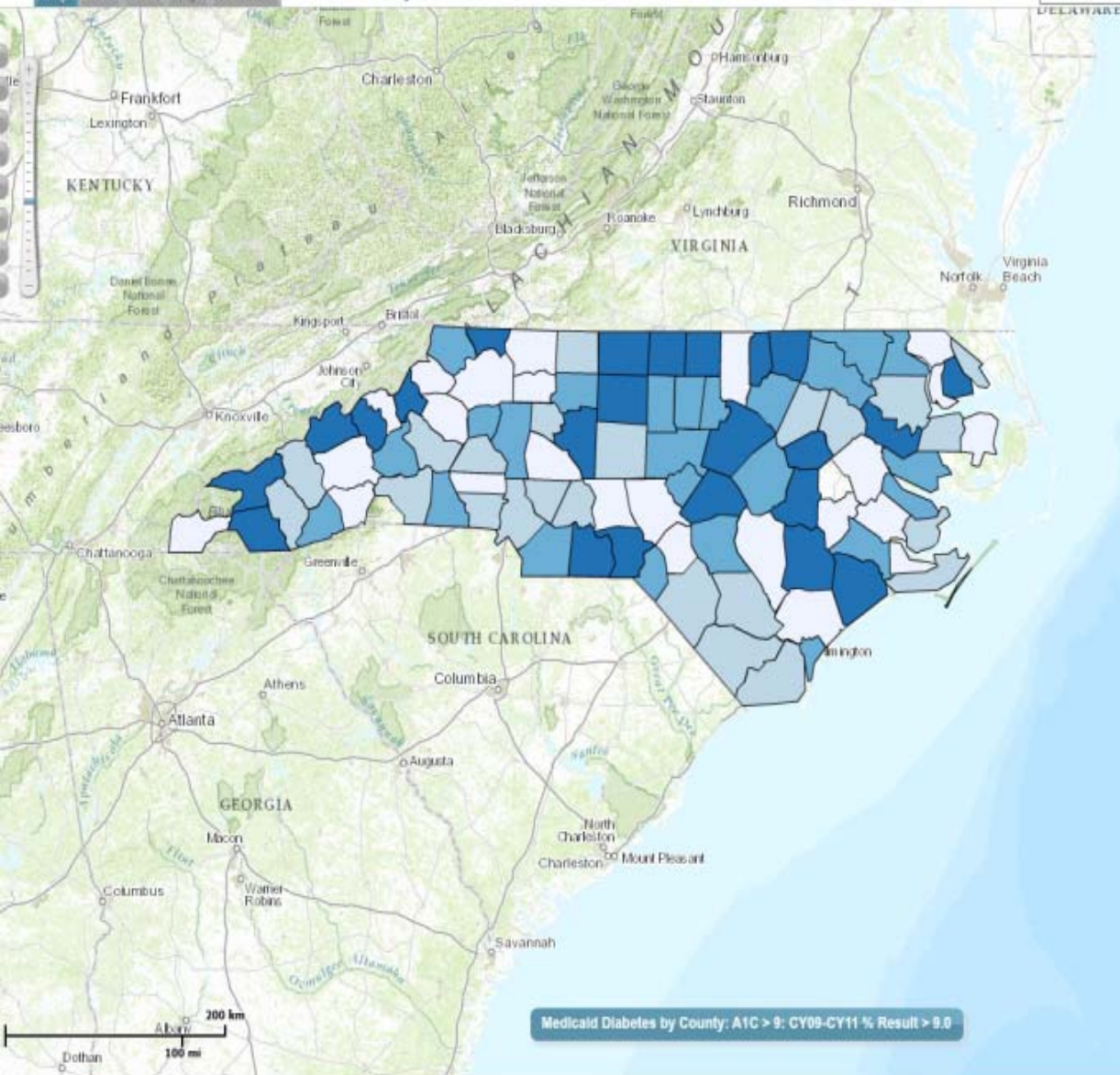
Current View: North Carolina

Select your Models to display

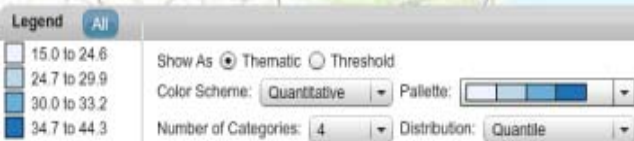
[Select All](#) | [Unselect All](#)

- ☒ Health Care Innovation Awards
- ☒ Multi-payer Advanced Primary Care Practice Demonstration
- ☒ Medicaid Emergency Psychiatric Demonstration
- ☐ Incentives for the Prevention of Chronic Disease in Medicaid Demonstration
- ☐ Comprehensive Primary Care Initiative
- ☒ Community-based Care Transitions Program
- ☒ Graduate Nurse Education Demonstration
- ☒ Independence at Home





Medicaid Diabetes by County: A1C > 9: CY09-CY11 % Result > 9.0



Primary Indicator

search

Select a topic

Community Characteristics	Community Health Assessment
Medicaid/Medicare Population Profile	Health System Performance: Medicaid
Health System Performance: Medicaid	CCNC Quality Improvement

Select an indicator

- ☐ Medicaid Asthma by County [show all](#)
- ☐ Medicaid Cancer Screening by County [show all](#)
- ☐ Medicaid Cardiovascular by County [show all](#)
- ☐ Medicaid Dental Care by County [show all](#)
- Medicaid Diabetes by County [hide list](#)
 - ☐ A1C < 8 [about](#)
 - ☒ A1C > 9 [about](#)
 - ☐ A1C Testing [about](#)
 - ☐ BP < 130/80 [about](#)
 - ☐ BP > 140/90 [about](#)
 - ☐ Cholesterol Screening [about](#)
 - ☐ DM and HTN ACE/ARB Therapy [about](#)
 - ☐ Foot Exam [about](#)
 - ☐ LDL < 100 [about](#)
 - ☐ LDL > 130 [about](#)
 - ☐ Nephropathy Treatment or Screening [about](#)
 - ☐ Retinal Eye Exam [about](#)
- ☐ Medicaid Heart Failure by County [show all](#)
- ☐ Medicaid Pediatric by County [show all](#)

Select group/category

CY09-CY11 % Result > 9.0

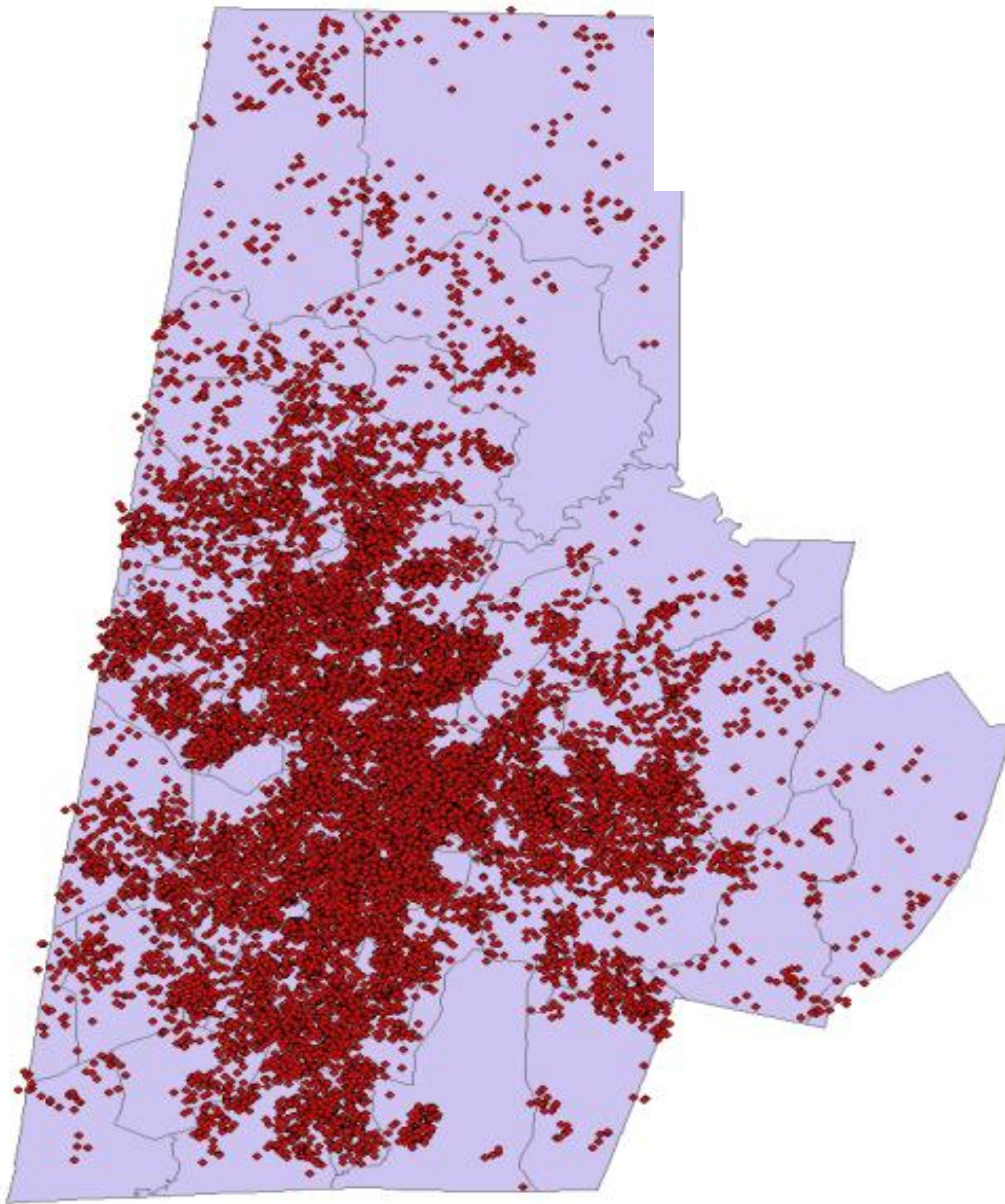
- Add Secondary Indicator -

Basemaps and Optional Layers

Layer Controls

Login And Account Settings

Map Gallery
Coming Soon



DM patients seen at Duke 2007-2009

14,345 unique patients

8.7% of all patients >20 yo

14.3% of all patients >40 yo

Durham County Stats (per CDC):

2008 ~ 10% of adults diagnosed
with diabetes

North Carolina (CDC):

2008 ~ 9% of adults diagnosed
with diabetes

By Race:

8.4% White

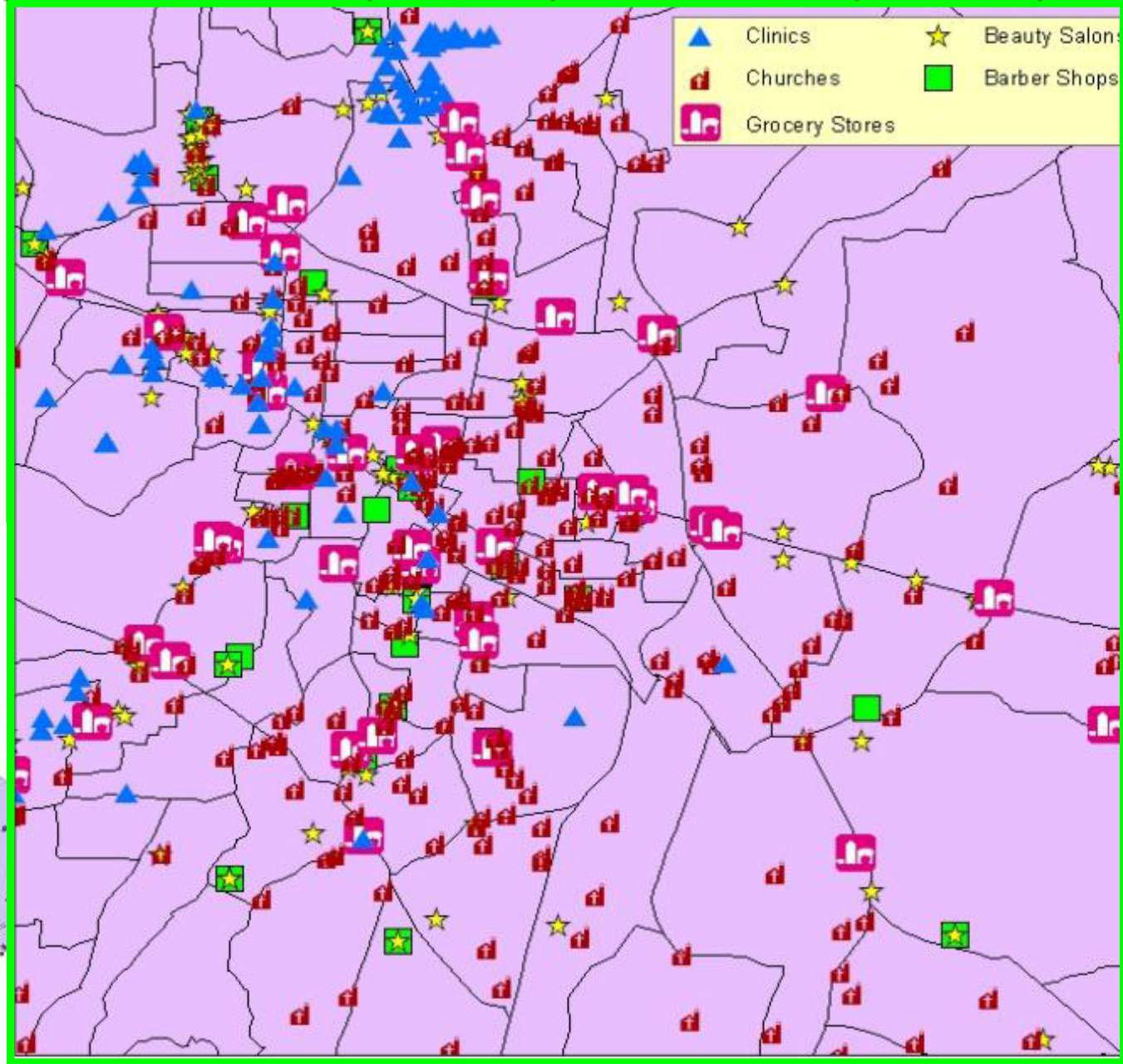
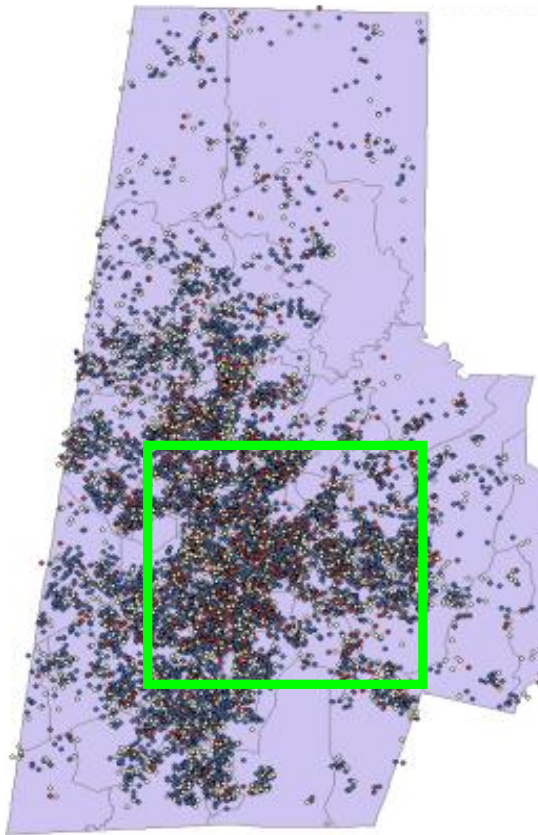
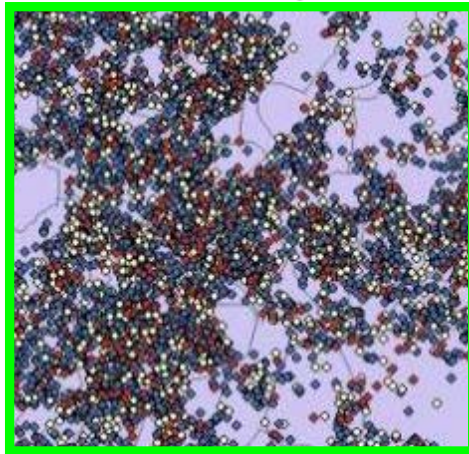
15.6% AA

12.4% NA

4.5% Hispanic

4.3% Other

◆ $\text{HbA1C} < 7$ (5817, 54%) ◆ $7 < \text{HbA1C} < 9$ (3279, 30%) ◆ $\text{HbA1C} > 9$ (1715, 16%)



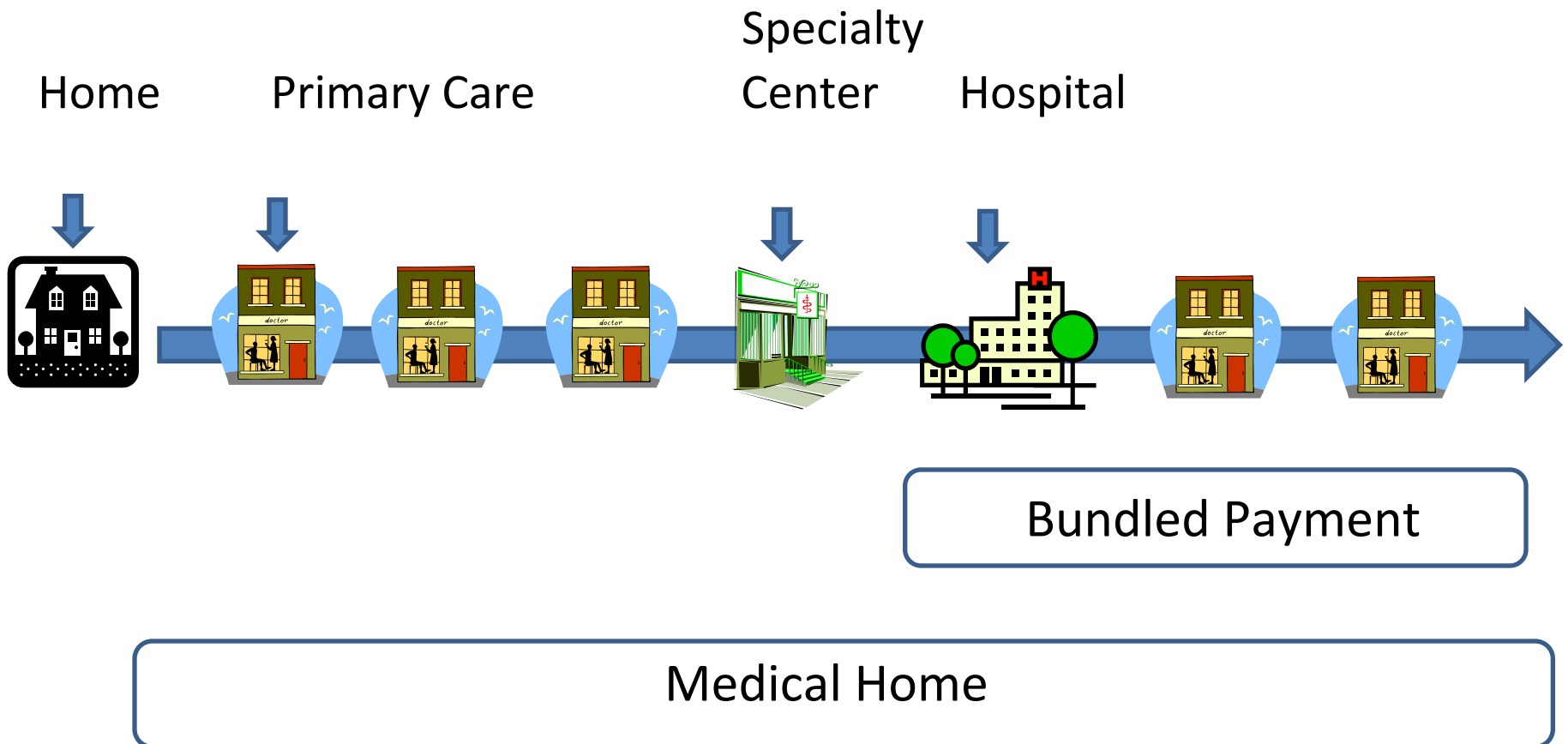
Just For Us

- 350 patients since 2000
- Average age 70, multiple chronic conditions
- 44% have mental illness
- All are home-bound
- 84% African-American; many with low to no family support
- Low literacy or illiterate

Outcomes:

Ambulance costs	49%	
ER costs	41%	
Inpatient costs	68%	
Prescription costs	25%	
Home health costs	52%	
All patients with hypertension	79% $\leq$ 140/90	
Diabetics with hypertension	84% $\leq$ 140/90	

Episode of Illness



Bundled Payment and Primary Care

Opportunities: both up and downstream

- **Post discharge follow-up**
- **Care Management**
- **HIT**
- **Population health strategies**
 - Avoid primary admissions
 - Improve health outcomes