

**Certificate of Public Review  
Freestanding Emergency Department  
Sussex County  
Corner of Route 9 and Hudson Road**



**Delaware Health Resources Board  
January 24, 2019  
Bayhealth Medical Center**

# Bayhealth Background

- Bayhealth Hospital, Kent Campus
- Bayhealth Hospital, Sussex Campus
- Physician Practices
- Freestanding Emergency Department - Smyrna

# Bayhealth Discussion Overview

- Experience in Value Based Care
- Investments in Improving Access at a Lower Cost
- Route 9 Project
- Freestanding ED

# Bayhealth Participation in Medicare Shared Savings Program (Accountable Care Organization – ACO)

## Bayhealth ACO Performance September 2017 – August 2018

	Bayhealth	National ACOs	National Regular Medicare
Medicare Cost (Per Member Per Month)	\$795	\$898	\$978
Hospital Discharges (Per Thousand Per Year)	308	306	326
ED Visits (Per Thousand Per Year)	625	686	748

# Bayhealth Bundled Payment Participation

## Agree to 3% Reduction in Reimbursement Among Providers

- Acute Myocardial Infarction (Heart Attack)
- Congestive Heart Failure
- Stroke
- Chronic Obstructive Pulmonary Disease (COPD)
- Joint Replacement

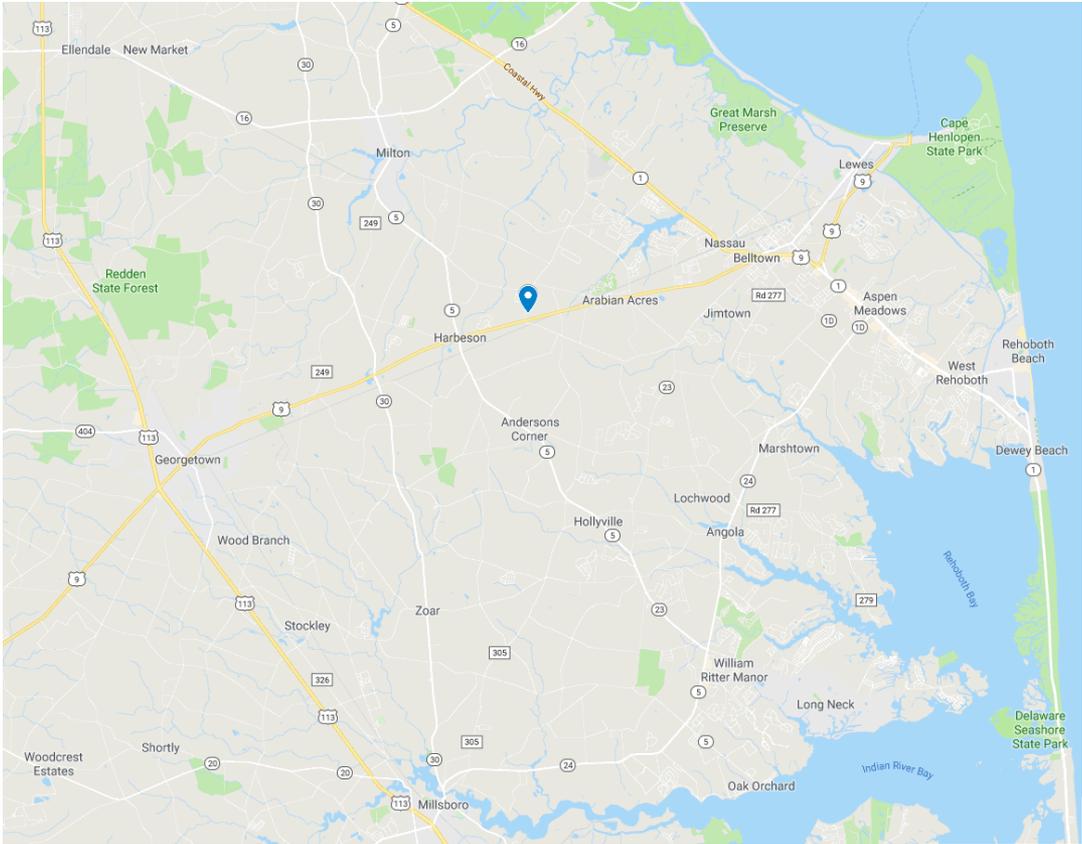
# Physician Recruitment to Improve Access

- Dozens of Physicians Recruited to Area Each Year
  - Focus on Primary Care
- Graduate Medical Education Program Application
  - Residency Program at Kent and Milford
  - Introduce Physicians to Southern Delaware

# Ambulatory Center Development

- New Primary Care Center – Dover
- Ambulatory Care Center – Milford
- Nemours Medical Office Building – Milford
- Expansion in Smyrna
- Route 9

# Bayhealth Route 9 Location



# Bayhealth FED Building Rendering



# Bayhealth Ambulatory Center Site Plan



# First Floor Services

## Emergency Department (10,730 Sq. Ft.)

- 8 Treatment Bays / Exam Rooms
- 1 Negative Pressure Exam Room
- 1 Medical Resuscitation Room
- Laboratory

## Imaging (5,460 Sq. Ft.)

- X-Ray
- CT
- Ultrasound

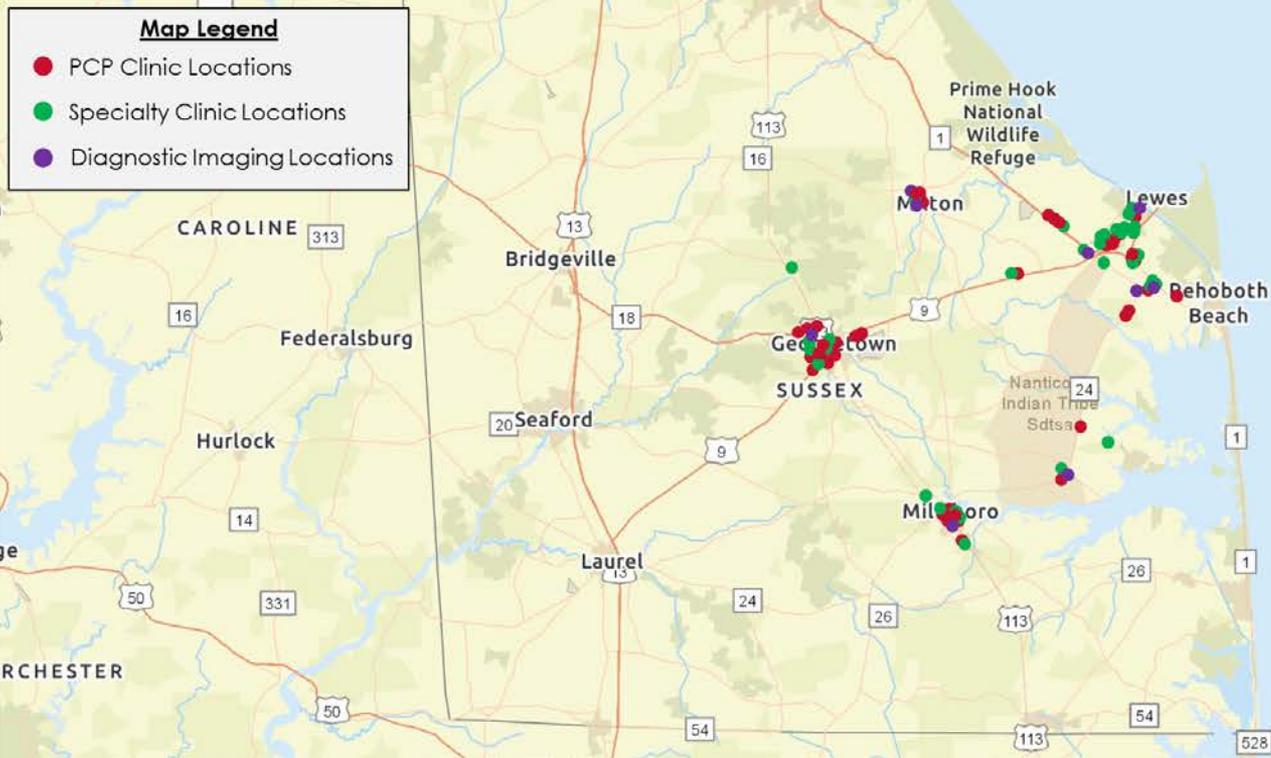
## **Second Floor Services**

- Primary Care Offices (10,365 Sq. Ft.)
- Specialty Care Offices (7,748 Sq. Ft.)

## **Third Floor Services**

- Mechanical and Support Space

# Clinic Location Map



# Need for the Bayhealth Route 9 FED

## Traffic Difficulties in Traveling / Crossing Route 1

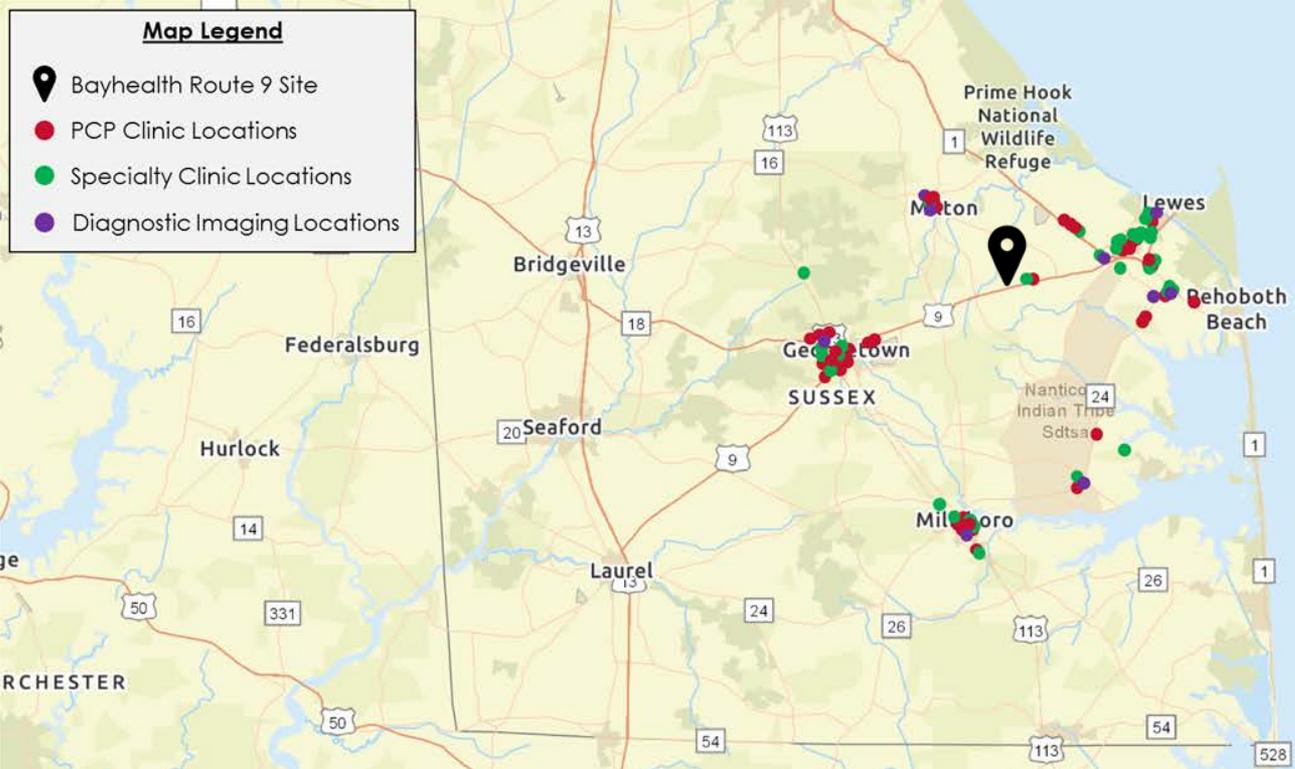
- Sussex County Transportation Operations Management Plan
  - Takes 2 – 2.5 Times as Long to Travel Route 1 During Peak Times
  - Intersection of Route 1 and Route 9
    - Insufficient to Handle Current Load
    - Drivers Should Expect to Sit Through Multiple Traffic Signals
- Challenges for Senior Drivers
  - Decreased mobility
  - Diminished Hearing and Eyesight
  - Forgetfulness
  - Medication Side Effects (i.e. slower reaction time)

# Need for the Bayhealth Route 9 FED

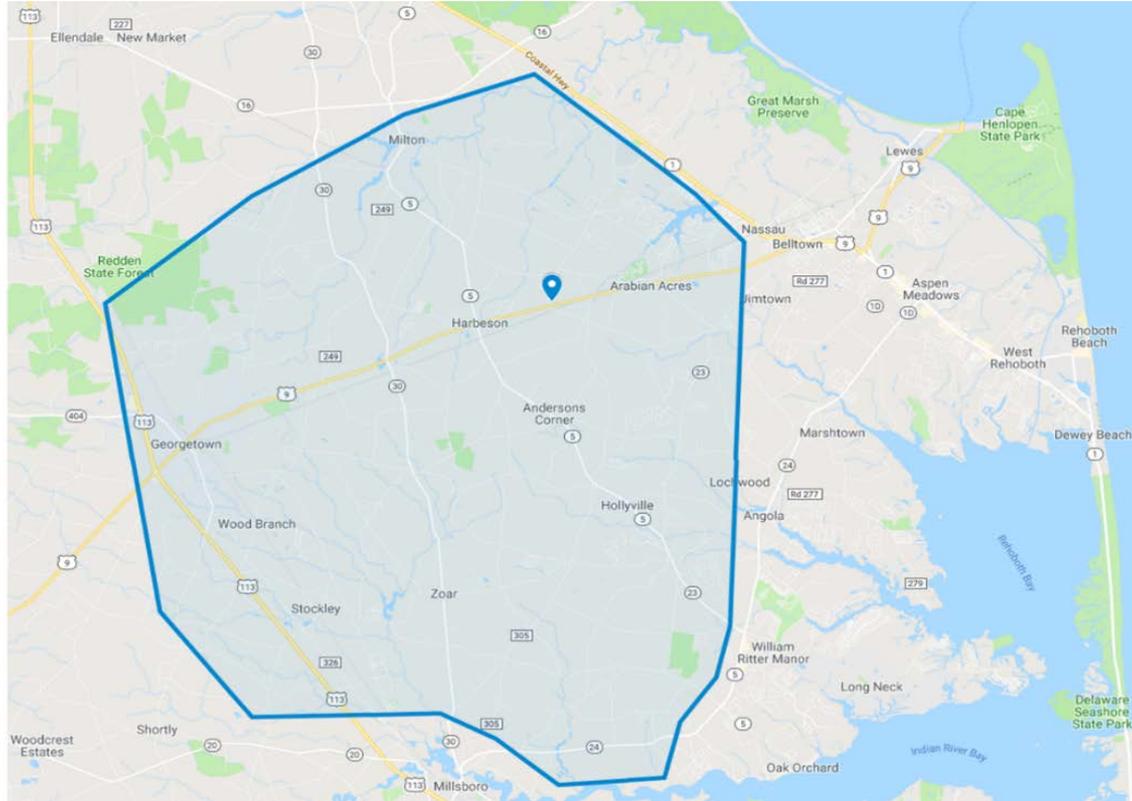
## Emergency Medical Services

- Delays in Ambulance Transport
  - Taking Patient to Hospital
  - Returning From Hospital to Reach Other Patients
- Access for Hospitals on Diversion

# Clinic Location Map



# Primary Service Area of the Route 9 Ambulatory Center / FED



# Need for the Bayhealth Route 9 FED

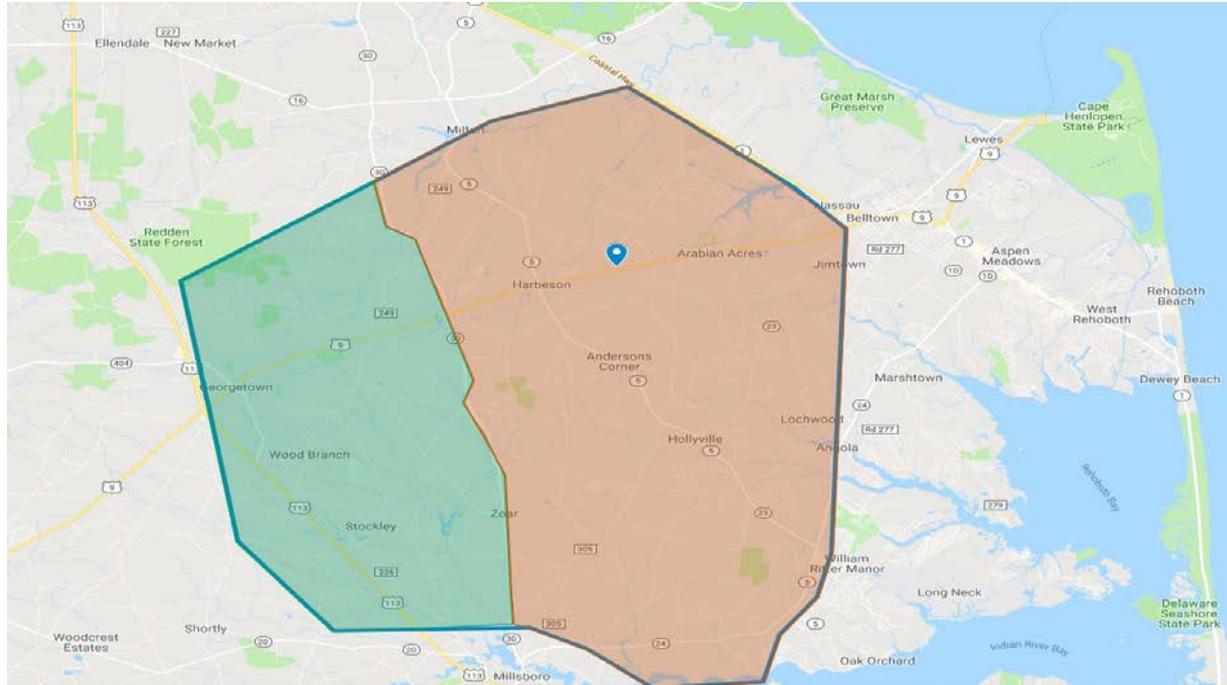
## Highest Population Growth in the State

Service Area Population							
	2010	Est. 2018	Increase 2010-2018	% Change 2010-2018	Projected 2023	Increase 2018-2023	% Change 2018-2023
Total Population	35,486	41,498	6,012	16.9%	44,885	3,387	8.2%
65+ Population	6,376	9,429	3,053	47.9%	11,151	1,722	18.3%

Source: The Claritas Company, 2018

# Need for the Bayhealth Route 9 FED

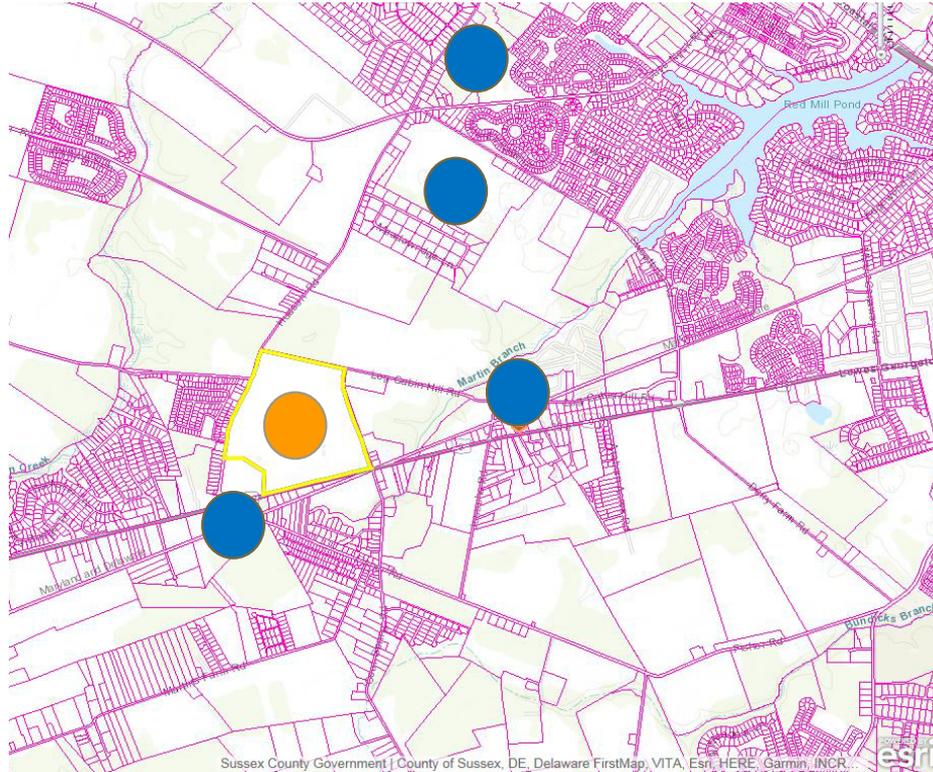
## Distribution of Growth



	2010	Est. 2018	Increase 2010-2018	% Change 2010-2018	Projected 2023	Increase 2018-2023	% Change 2018-2023
West Route 30	14,585	15,981	1,396	9.6%	16,901	920	5.8%
East Route 30	20,901	25,518	4,617	22.1%	27,985	2,467	9.7%
Total PSA	35,486	41,498	6,012	16.9%	44,885	3,387	8.2%

# Need for the Bayhealth Route 9 FED

## New Housing Developments Within 2.5 Miles of FED



- Bayhealth Route 9 FED
- New Housing Development

# Route 9 Location Summary

- Limited Services Between Georgetown and Lewes
- Highest Growth in the State, Particularly in Seniors
- Route 1 is a Barrier to Access
- Route 9 and Hudson Road Location Provides Most Convenient Access to Majority of People

# Why Route 9 Location is Preferred to Georgetown

1. Georgetown is at Western Edge of Service Area
2. Route 1 Limits Access, not Distance
3. Majority of Service Area Population Lives East of Route 30
4. Minimized Negative Impact to Nanticoke Hospital

# Improvements on Quality

- Reduce Time and Distance to Obtain Emergency Care
  - Improve Outcomes
  - Reduce Mortality
- Enhance Access to Behavioral Health Services
  - Time Dependent Administration for Naloxone for Overdose
  - Tele-Psychiatry
- Planetree Model of Care
- Care Coordination Throughout Bayhealth Medical Center

# Summary of Bayhealth Route 9 FED

- Improves Access to Area Residents
- Improves Access for Elderly Drivers
- Improves Access for Emergency Medical Services (EMS)
- Improved Access to Inpatient Care
  - Travel Route 30 to Bayhealth, Sussex Campus
- Improves Access to Value-Based Services
- Complements Bayhealth's Expansion of Primary Care and Physician Specialists



THE DRIVE IS *here.*<sup>®</sup>