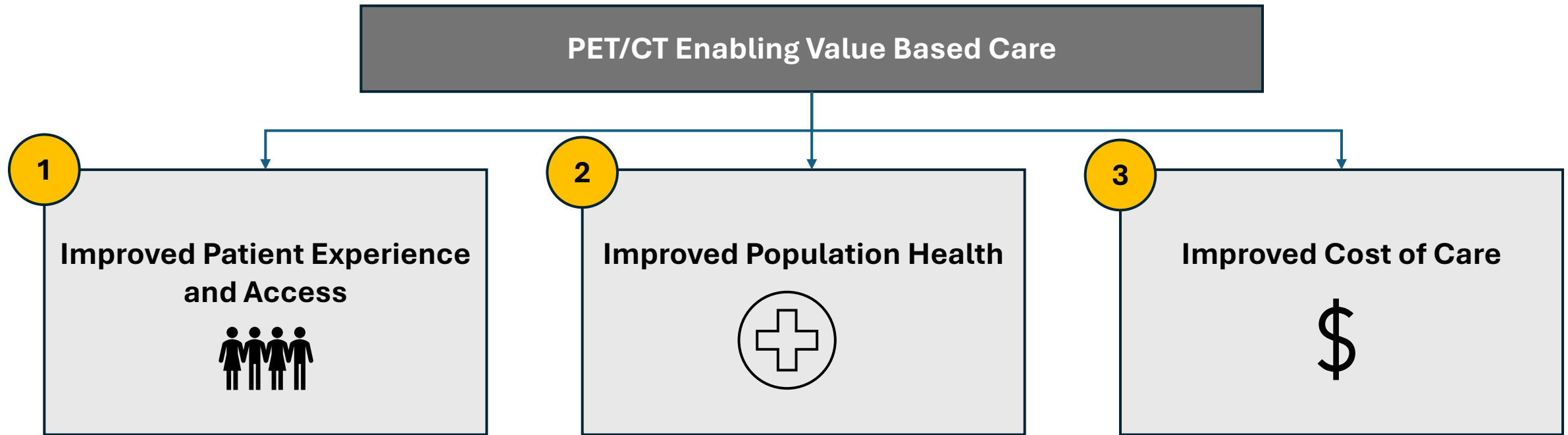


# Expansion of Cardiac PET/CT for Kent and Sussex Counties



Enhances Value Based Care Delivery Model- Triple AIM  
*Section 2- Needs of Population*  
*Section 7-Project's effect on quality of health care*





- **Mission:**

*"It is our commitment to remain the most progressive and technologically advanced cardiac group in the state of Delaware. Our multiple office locations throughout the state have been selected and diversely staffed with your needs and convenience as the primary goal."*

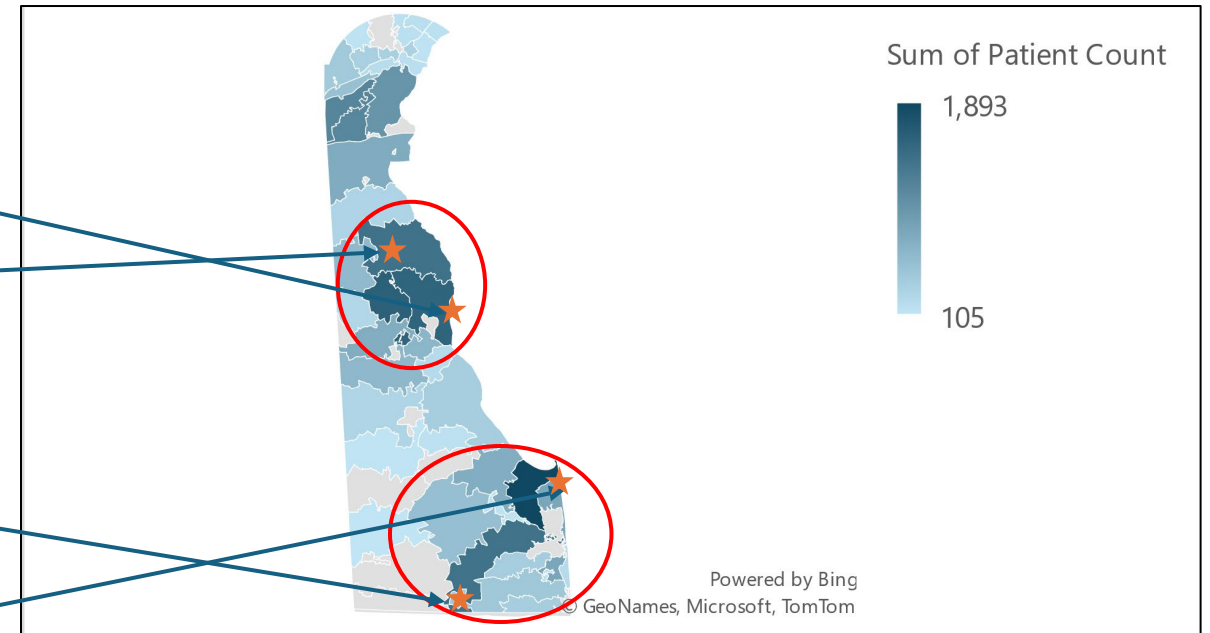
- **Locations: 11**
- **Providers: 40 (23 Physicians, 17 APPs)**
- **Patient Panel: ~68K**



## *Proposed PET/CT Locations*

- 1113 S. State St., Dover, DE
- 201 N. Main St., Smyrna, DE
- 92A Atlantic Ave, Ocean View, DE
- 34453 King Street Row, Lewes, DE

**Count of CPLLC Patients by Zip Code**

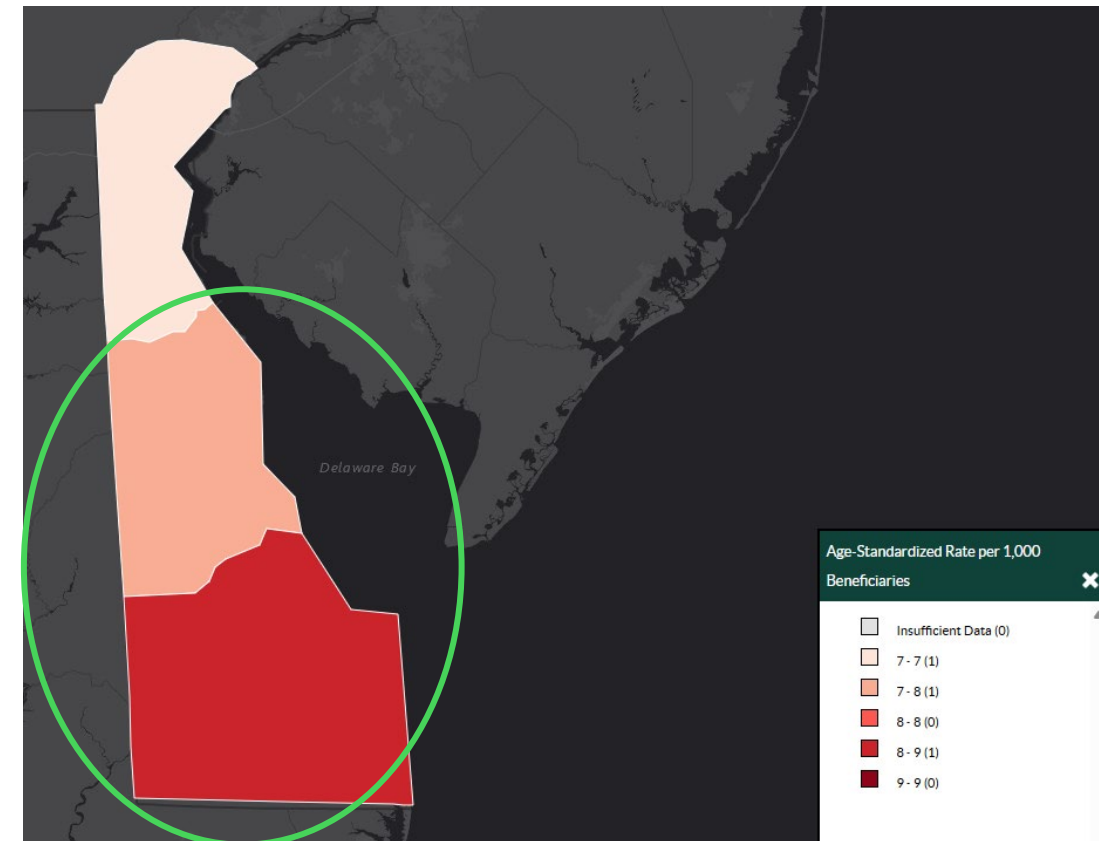


Darker shading indicates  
higher patient count

# Section 1 -Health Resource Management Plan

- **Heart Disease is Delaware's Leading Killer** – One person dies every 33 seconds from cardiovascular disease, the state's #1 cause of death
- **Significant Access Gaps in Kent & Sussex Counties** – Kent (191K residents, 18% of the state) and Sussex (267K residents, 26% of the state) have no non-facility-based PET/CT scanners, limiting access to advanced cardiac imaging
- **Strain on Existing Resources** – New Castle County, with 581K residents (56% of the state), has two non-facility-based PET/CT scanners, already operating at full utilization
- **Proven Clinical Benefits** – PET/CT provides fast (25 min), accurate, and low-radiation coronary disease diagnosis, reducing unnecessary repeat imaging and improving outcomes, particularly for high-risk and obese patients
- **Advancing Health Equity & Timely Care** – Expanding PET/CT access in Kent and Sussex Counties supports HRMP's goal of reducing geographic disparities and improving timely access to life-saving diagnostics
- **Targeting a Critical Health Priority** – Cardiovascular disease is a leading cause of death in Delaware, and improving access to PET/CT aligns with HRMP's focus on addressing high-burden conditions through better resource distribution.

**Coronary Heart Disease Hospitalization Rate per 1,000 Medicare Beneficiaries,**  
All Races/Ethnicities, All Genders, Ages 65+, 2019-2021



Source: Interactive Atlas of Heart Disease and Stroke

## Section 3

### Alternatives to the Project

#### **Lack of PET/CT Alternatives in Delaware**

#### **No Lower-Cost, More Effective Alternatives**

The proposed PET/CT technology is the best available option for advanced cardiac imaging

#### **Existing PET/CT Locations Are Insufficient**

Cameras in Newark serve New Castle County, and Salisbury, MD, cannot accommodate Delaware Medicaid patients

#### **Long Travel Distances for Patients**

Many residents must travel long distances (e.g., 35-60+ miles each way) for advanced cardiac imaging, creating significant access barriers

#### **Facility-Based Options Have Long Wait Times**

Existing facility-based PET/CT scanners have wait times exceeding 90 days, far beyond the optimal timeframe for cardiac imaging.

## Section 4

### Impact on Existing Healthcare Delivery

#### Improving Cardiovascular Care with Office-Based PET/CT

- **Reducing Hospitalizations** – 20% of heart failure patients without timely follow-up are hospitalized within 30 days.
- **Addressing Disparities** – Younger patients, women, and non-Hispanic Black individuals face lower follow-up rates.
- **Lowering ED & Hospital Dependence** – Faster diagnosis reduces ED congestion and 90-day imaging wait times.
- **Proven in Delaware** – CPLLC has decades of experience, major payor contracts, and Medicare/Medicaid access.
- **Advancing Value-Based Care** – Ambulatory PET/CT improves quality, convenience, and cost-efficiency.

# Effect of Cardiac PET/CT on healthcare costs

## *Section 6*

### PET/CT Downstream Cost-Savings

**50%**

#### **Reduces Invasive Procedures**

Cardiac PET MPI reduces the need for diagnostic arteriography and CABG by over 50%, leading to fewer invasive interventions.

**30%**

#### **Lowers CAD Management Costs**

PET MPI lowers overall CAD management costs by 30% while maintaining excellent clinical outcomes.

### **Other Cost-Related Benefits**

- **Eases Financial Burden** – Expands imaging access, reducing reliance on costly interventions.
- **Addresses High-Need Areas** – Sussex & Kent counties have high heart disease rates but limited cath labs.
- **Improves Cost Control & Care Coordination** – Office-based PET/CT reduces fragmentation in cardiovascular care.