

Key Findings and Statewide Statistics

Coronary Artery Bypass Graft (CABG)

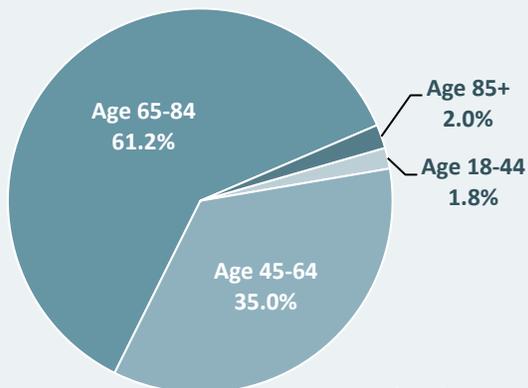
Number of Cases



There were **17,303** hospitalizations for coronary artery bypass graft (CABG) procedures performed in Pennsylvania acute care hospitals during Calendar Years (CY) 2019 and 2020.

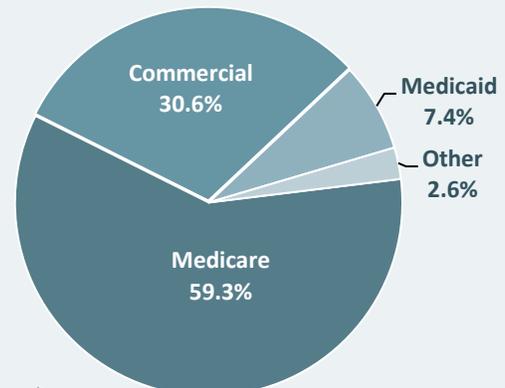
Of these hospitalizations, **13,849** cases, after exclusions, were examined in the Hospital Results section of this report in determining statewide rates of mortality, readmission and postoperative length of stay.

CABG by Age



Percentages may not add to 100% due to rounding.

CABG by Payer



Mortality

- The in-hospital mortality rate was **1.5%**.
- Patients aged 85 and older had the highest mortality rate at **4.7%**.
- Black (non-Hispanic) patients had a mortality rate of **1.9%**. Hispanic patients and White (non-Hispanic) patients had mortality rates of **1.8%** and **1.4%**, respectively.

Readmission

- **4.1%** of patients were readmitted to an acute care hospital within 7 days, **10.0%** were readmitted within 30 days, and **15.4%** were readmitted within 90 days.
- Black (non-Hispanic) patients had the highest 30-day readmission rate at **15.9%**. Hispanic and White (non-Hispanic) patients had 30-day readmission rates of **13.6%** and **9.5%** respectively.

Key Findings and Statewide Statistics

Postoperative Length of Stay

- In CY 2019-2020, patients stayed in the hospital an average of **6.3** days following a CABG procedure.
- **3.5%** of patients experienced an extended postoperative length of stay; that is, after accounting for patient risk, they stayed in the hospital longer than expected. The average postoperative stay for these patients was **19.7** days.

Medicare Payments

- The average Medicare fee-for-service payment for hospitalizations in CY 2019-2020 was **\$37,371**.
- The average Medicare fee-for-service payment for hospitalizations with an extended postoperative length of stay was **\$63,606**.

Based on the Centers for Medicare and Medicaid Services CY 2019-2020 Medicare fee-for-service payment data.

CABG Hospitalization Rates per 10,000 Pennsylvania Residents (CY 2019-2020)

Statewide Rate: 15.6

Age	Female/Male	Race/Ethnicity
Age 18-44..... 0.6	Female 7.2	White (non-Hispanic)..... 17.3
Age 45-64..... 16.7	Male 24.5	Black (non-Hispanic) 7.6
Age 65-84..... 45.5		Hispanic 6.4
Age 85 and older..... 9.6		
Poverty	Rural/Urban	Region
High Poverty 11.6	Rural County 18.1	Western PA 17.2
All Other..... 16.1	Urban County..... 14.7	Central & Northeastern PA 16.2
		Southeastern PA 13.9

Rate calculations: Hospitalization rates above were based on Pennsylvania residents (15,845 hospital stays or 91.6% of all 17,303 hospitalizations for CABG) using PHC4 discharge data and 2020 US Census Bureau population figures, with the exception of rates by poverty level, which were based on 2019 US Census Bureau estimates.

High Poverty rates included hospitalizations for residents living in areas where 20% or more of the population lives in poverty.

Rural County and *Urban County* rates were based on the designation of the county of residence as defined by The Center for Rural Pennsylvania. Urban counties are italicized in the following list of counties by region. Regional rates were adjusted for population differences in age and sex.

- Western PA includes the following counties: *Allegheny*, *Armstrong*, *Beaver*, *Bedford*, *Blair*, *Butler*, *Cambria*, *Cameron*, *Clarion*, *Clearfield*, *Crawford*, *Elk*, *Erie*, *Fayette*, *Forest*, *Greene*, *Indiana*, *Jefferson*, *Lawrence*, *McKean*, *Mercer*, *Potter*, *Somerset*, *Venango*, *Warren*, *Washington*, and *Westmoreland*.
- Central & Northeastern PA includes the following counties: *Adams*, *Bradford*, *Centre*, *Clinton*, *Columbia*, *Cumberland*, *Dauphin*, *Franklin*, *Fulton*, *Huntingdon*, *Juniata*, *Lackawanna*, *Lancaster*, *Lebanon*, *Luzerne*, *Lycoming*, *Mifflin*, *Monroe*, *Montour*, *Northumberland*, *Perry*, *Pike*, *Snyder*, *Sullivan*, *Susquehanna*, *Tioga*, *Union*, *Wayne*, *Wyoming*, and *York*.
- Southeastern PA includes the following counties: *Berks*, *Bucks*, *Carbon*, *Chester*, *Delaware*, *Lehigh*, *Montgomery*, *Northampton*, *Philadelphia*, and *Schuylkill*.

For County Rates, see “Maps – Rates by County”