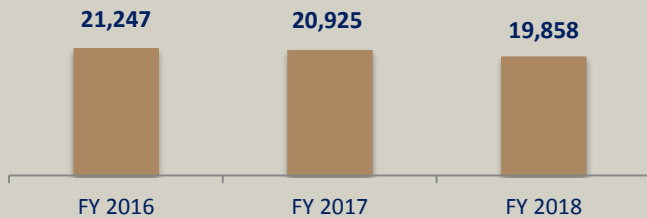


Key Findings and Statewide Statistics

Spinal Fusion

Number of Cases, FY 2016 to FY 2018

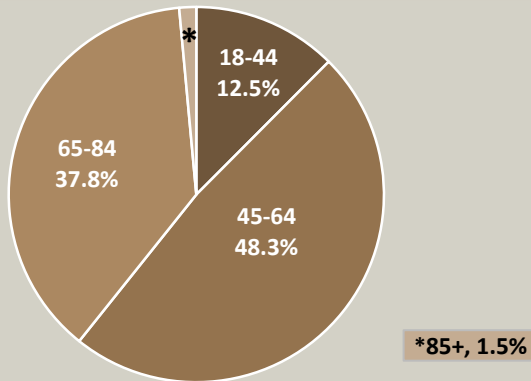


Fiscal Year spans the period from July 1 through June 30.

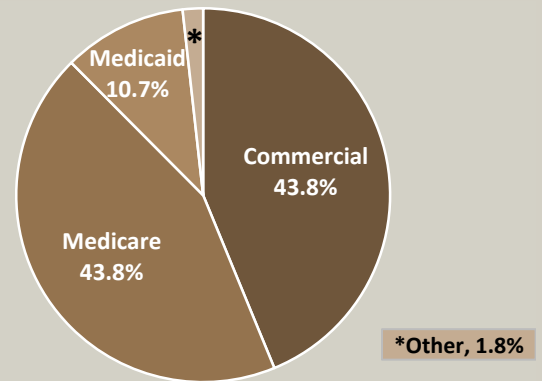
This report examines the 19,858 hospitalizations for spinal fusion surgery performed in Pennsylvania general acute care hospitals in Fiscal Year (FY) 2018.

The number of spinal fusion procedures decreased 6.5% between FY 2016 and FY 2018.

By Age, FY 2018



By Payer, FY 2018



Complications

- **1.8%** of patients who underwent spinal fusion in FY 2018 had an in-hospital complication, and **2.0%** were readmitted to an acute care hospital for a complication within 7, 30, or 90 days of discharge depending on the complication.
- Black (non-Hispanic) patients had slightly higher complication rates (**2.1%** had an in-hospital complication, and **2.7%** were readmitted for a complication).
- Among the age groups studied, patients age 65 and older had the highest complication rates (**2.5%** had an in-hospital complication, and **2.4%** were readmitted for a complication).

Length of Hospital Stay

- In FY 2018, patients stayed in the hospital an average of **3.0 days** following spinal fusion. Patients who developed a complication in the hospital stayed an average of **9.1 days** following the spinal fusion surgery.
- **2.5%** of patients stayed in the hospital for an extended length of stay; that is, after accounting for patient risk, they stayed in the hospital longer than expected. The average stay for these patients was **10.8 days**.

Key Findings and Statewide Statistics

Medicare Payments, FY 2018

- The average Medicare fee-for-service payment for a spinal fusion hospitalization in FY 2018 was **\$27,471**.
- The average Medicare fee-for-service payment for a spinal fusion hospitalization with an extended length of stay was **\$41,484**.

Based on the Centers for Medicare and Medicaid Services FY 2018 Medicare Fee-for-Service payment data.

Spinal Fusion Hospitalization Rates per 10,000 Pennsylvania Residents (FY 2018)

Statewide Rate: 17.8

<p>Age</p> <p>Age 18-44 5.3 Age 45-64 25.2 Age 65-84 33.8 Age 85 and older 8.0</p>	<p>Female/Male</p> <p>Female 18.1 Male 17.5</p>	<p>Race/Ethnicity</p> <p>White (non-Hispanic) 19.7 Black (non-Hispanic) 13.3 Hispanic 5.1</p>
<p>Poverty</p> <p>High Poverty* 13.2 All Other 18.8</p>	<p>Rural/Urban**</p> <p>Rural County 19.9 Urban County 17.0</p>	<p>Region***</p> <p>Western PA 19.6 Central & Northeastern PA 18.3 Southeastern PA 16.1</p>

* Residents living in areas where 20% or more of the population lives in poverty (2017 US Census Bureau estimates).

**Residents living in counties designated as urban or rural (source The Center for Rural Pennsylvania). Urban counties are italicized in the list of counties below.

***Residents living within three Pennsylvania regions. 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.

Regional rates were adjusted for population differences in age and sex.

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