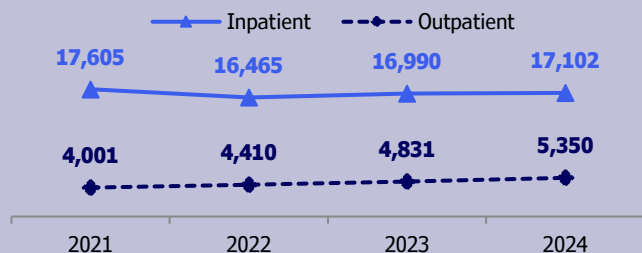


Key Findings & Statewide Statistics

Spinal Fusion

Number of Cases by Fiscal Year



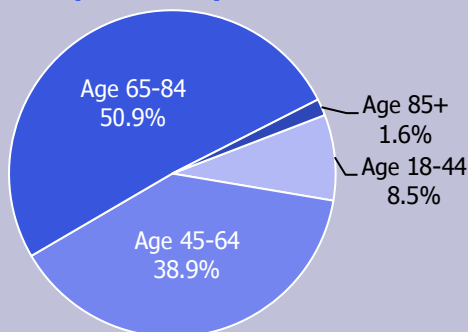
2021 through 2023 data are displayed for trending purposes only and are not included in the report analyses.

There were **17,102** inpatient hospitalizations and **5,350** outpatient encounters for spinal fusion procedures in Pennsylvania facilities from October 1, 2023 through September 30, 2024 (fiscal year 2024).

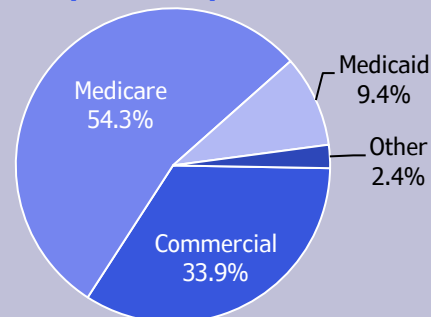
Of the inpatient hospitalizations, **12,503** cases, after exclusions, were examined in the Hospital Results section of this report in determining statewide rates of complications and postoperative length of stay.

The number of inpatient spinal fusion cases decreased **2.9%** and the number of outpatient cases increased **33.7%** between fiscal years 2021 and 2024.

Spinal Fusion, by Age for Inpatient Hospitalizations



Spinal Fusion, by Payer for Inpatient Hospitalizations



Percentages may not add to 100% due to rounding.

Complications for Inpatient Hospital Stays

- The in-hospital complication rate was **2.3%** and the readmission for complication rate was **2.3%**.
- Patients age 85 and older had the highest rate of in-hospital complication at **3.3%**. This age group also had the highest rate of readmission for complication at **3.0%**.
- The in-hospital complication rate for Black (non-Hispanic) patients was **3.3%**. White (non-Hispanic) and Hispanic patients had in-hospital complication rates of **2.2%** and **1.3%**, respectively.
- The readmission for complication rate among Black (non-Hispanic) patients was **3.2%**. White (non-Hispanic) and Hispanic patients had readmission for complication rates of **2.3%** and **2.2%**, respectively.
- The in-hospital complication rates were **2.2%** and **2.3%** for female and male patients, respectively. The readmission for complication rates were **2.8%** and **1.8%** for female and male patients, respectively.

Postoperative Length of Stay for Inpatient Hospital Stays

- Patients stayed in the hospital an average of **3.6 days** following an inpatient spinal fusion.
- 2.4%** of patients who had a spinal fusion during an inpatient hospitalization 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 **14.2 days**.

Common Procedures Report October 1, 2023 through September 30, 2024 Data

Medicare Payments for Inpatient Hospital Stays

- The average Medicare fee-for-service payment for spinal fusion hospitalizations was **\$34,243**.
- The average Medicare fee-for-service payment for spinal fusion hospitalizations with an extended postoperative length of stay was **\$48,916**.

Results were based on the Centers for Medicare and Medicaid Services Calendar Year 2023 Medicare fee-for-service payment data.

Spinal Fusion Inpatient Hospitalization Rates per 10,000 Pennsylvania Residents Statewide Rate: 14.8

Age	Female/Male	Race/Ethnicity
Age 18-44 2.9	Female 14.8	White (non-Hispanic) 16.4
Age 45-64 18.7	Male 14.8	Black (non-Hispanic) 13.1
Age 65-84 33.1		Hispanic 3.7
Age 85 and older 8.8		

Poverty	Rural/Urban	Region
High Poverty 11.0	Rural County 16.4	Western PA 16.2
All Other 15.3	Urban County 14.2	Central & Northeastern PA 14.3
		Southeastern PA 14.1

Rate calculations: The inpatient hospitalization rates above were based on Pennsylvania residents (15,427 hospital stays or 90.2% of all 17,102 hospitalizations for spinal fusion) using PHC4 discharge data and 2024 US Census Bureau population figures (2023 for poverty rates).

High Poverty rates included inpatient 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”