

Cancer Surgery Volume Report
July 1, 2022 through June 30, 2023 Data

Summary and Highlights

- PHC4 reports cancer surgery volumes each year, for surgeries performed at Pennsylvania hospitals and ambulatory surgery centers, across 11 types of cancers. The types of cancer surgery included in the report are bladder, brain, breast, colon, esophagus, liver, lung, pancreas, prostate, rectum, and stomach. The data included is from July 1, 2022, through June 30, 2023 (state fiscal year 2023), and is reported individually for each facility.
- Hospital-specific results are shown for all 11 cancer types. Surgeries performed in ambulatory surgery centers and hospital outpatient departments are included for cancers of the bladder, breast, and prostate.
- This information can be helpful to cancer patients, families, and caregivers, when making decisions about cancer surgical care in Pennsylvania. There is evidence in the scientific literature that facilities with higher volumes of these surgeries will have better outcomes for the patient. Facilities with lower volumes are more likely to have worse outcomes, such as more deaths. Patients, caregivers, and families should always consult their healthcare provider when deciding where to receive their care.
- New this year, the bladder, breast, and prostate cancer categories were expanded to include both inpatient and outpatient surgeries for both hospitals and ambulatory surgery centers.
- Over the past five years, the percent of prostate cancer surgeries performed in the outpatient setting (hospital outpatient departments and ambulatory surgery centers) increased from 25% in state fiscal year 2019 to 57% in state fiscal year 2023. The percent of breast cancer surgeries performed in the outpatient setting also increased, from 87% to 94%, while the percent of bladder surgeries performed in the outpatient setting decreased slightly, from 85% to 84%.

Cancer Surgery Type	Percent of Cancer Surgeries Performed in the Outpatient Setting by Year†				
	2019	2020	2021	2022	2023
Bladder	85%	86%	85%	85%	84%
Breast	87%	88%	91%	93%	94%
Prostate	25%	30%	41%	52%	57%

† Years represented are state fiscal years, which reflect twelve consecutive months beginning in July and ending in June.

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- Over the past five years, the total volume of cancer surgeries across these 11 types decreased by 1%.

Cancer Surgery Type	Volume of Cancer Surgeries per Year ¹					
	2019	2020	2021	2022	2023	% Change 2019 to 2023
Bladder²	7,735	7,431	7,730	8,072	7,317	-5%
Brain	1,277	1,296	1,384	1,426	1,437	13%
Breast²	13,306	12,886	13,364	13,840	13,616	2%
Colon	3,604	3,389	3,436	3,521	3,509	-3%
Esophagus	343	335	313	298	283	-17%
Liver	549	528	560	555	594	8%
Lung	2,374	2,298	2,225	2,377	2,566	8%
Pancreas	505	519	499	490	512	1%
Prostate²	4,072	3,994	3,837	3,889	3,874	-5%
Rectum	966	904	860	838	810	-16%
Stomach	309	296	315	325	300	-3%
Total (all 11 cancers listed)	35,040	33,876	34,523	35,631	34,818	-1%

¹ Years represented are state fiscal years, which reflect twelve consecutive months beginning in July and ending in June.

² Includes inpatient and outpatient cases.

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- During state fiscal year 2023, some facilities performed only one or two cancer surgeries for these cancer surgery types.

Cancer Surgeries Performed in State Fiscal Year 2023 ¹				
Cancer Surgery Type	Total Number of Surgeries	Number of Reported ² Facilities that Performed the Surgery	Reported ² Facilities that Performed Only One or Two of these Surgeries	
			Number of Facilities	Percent of Facilities
Bladder³	7,317	148	8	5%
Brain	1,437	43	7	16%
Breast³	13,616	141	6	4%
Colon	3,509	115	12	10%
Esophagus	283	32	11	34%
Liver	594	33	13	39%
Lung	2,566	62	9	15%
Pancreas	512	22	3	14%
Prostate³	3,874	104	17	16%
Rectum	810	78	26	33%
Stomach	300	53	30	57%

¹ Years represented are state fiscal years, which reflect twelve consecutive months beginning in July and ending in June.

² Children's hospitals and facilities that have newly opened, closed, or merged (as of the report preparation date) are not listed in the report, but all surgeries performed by these facilities are included in the total number of surgeries.

³ Bladder, breast, and prostate cancer counts include surgeries performed in inpatient and outpatient settings.