

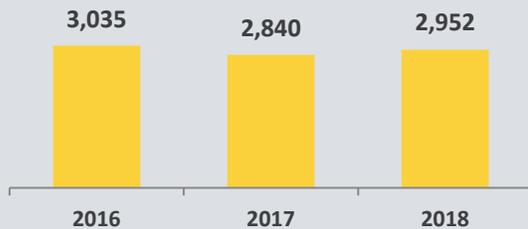


## Cancer Hospitalizations for Pennsylvania Children

This research brief examines hospitalizations for Pennsylvania children (under age 18) who were admitted to a Pennsylvania general acute care hospital with a cancer diagnosis. It includes data from calendar years 2016, 2017 and 2018. The analysis does not include Pennsylvania children admitted to a hospital outside Pennsylvania for cancer treatment.



- There were **8,827** hospital admissions with a cancer diagnosis among Pennsylvania children during the three-year period 2016-2018.



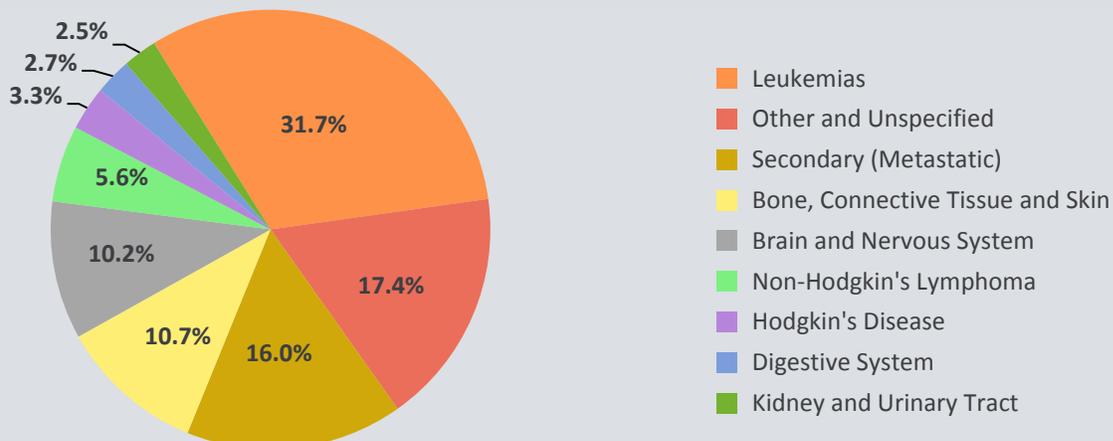
- On average, there were **8** hospital admissions per day for children with a cancer diagnosis during the three-year period.

### Outpatient Services

During the three-year period 2016-2018, there were **19,121** outpatient records (non-physician office) for children where cancer was the primary reason for the visit, accounting for **3.4%** of all outpatient records for children. The most common outpatient services for these children were:

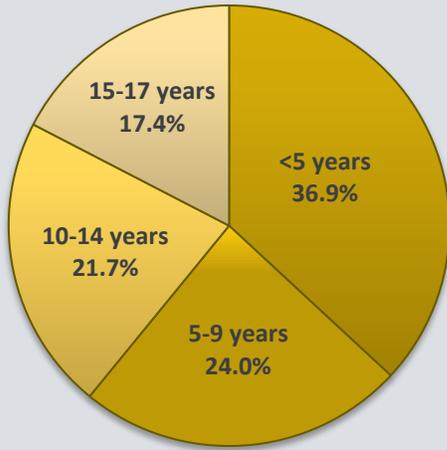
- Chemotherapy (54.1%).
- Blood transfusion (7.6%).
- Diagnostic and biopsy procedures (6.3%).

### Types of Childhood Cancer Admissions

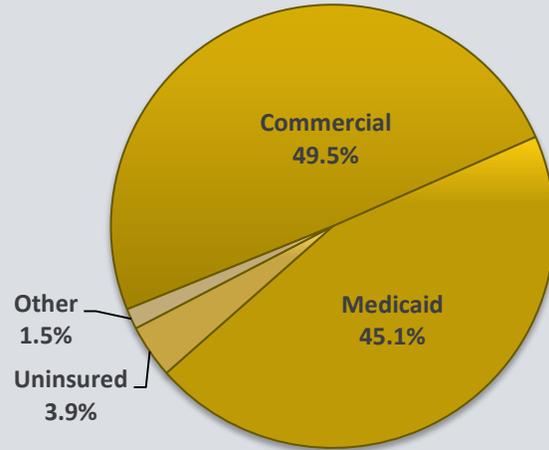


Note: This analysis includes cases where cancer was the principal reason for the admission and cases where the patient was admitted for another reason but also had a diagnosis of cancer.

### Cancer Admissions, By Age



### Cancer Admissions, By Payer



### Age Breakdown by Cancer Type

Leukemias (2,794 cases)	
Age	Percent of Cases
<5	37.1%
5-9	28.9%
10-14	21.0%
15-17	13.0%

Secondary (Metastatic) (1,409 cases)	
Age	Percent of Cases
<5	41.7%
5-9	24.7%
10-14	17.8%
15-17	15.8%

Bone, Connective Tissue and Skin (947 cases)	
Age	Percent of Cases
<5	15.7%
5-9	18.4%
10-14	32.1%
15-17	33.8%

Brain and Nervous System (896 cases)	
Age	Percent of Cases
<5	34.9%
5-9	32.3%
10-14	21.3%
15-17	11.5%

Non-Hodgkin's Lymphoma (497 cases)	
Age	Percent of Cases
<5	9.3%
5-9	24.9%
10-14	40.6%
15-17	25.2%

Hodgkin's Disease (287 cases)	
Age	Percent of Cases
<5	3.1%
5-9	1.4%
10-14	38.7%
15-17	56.8%

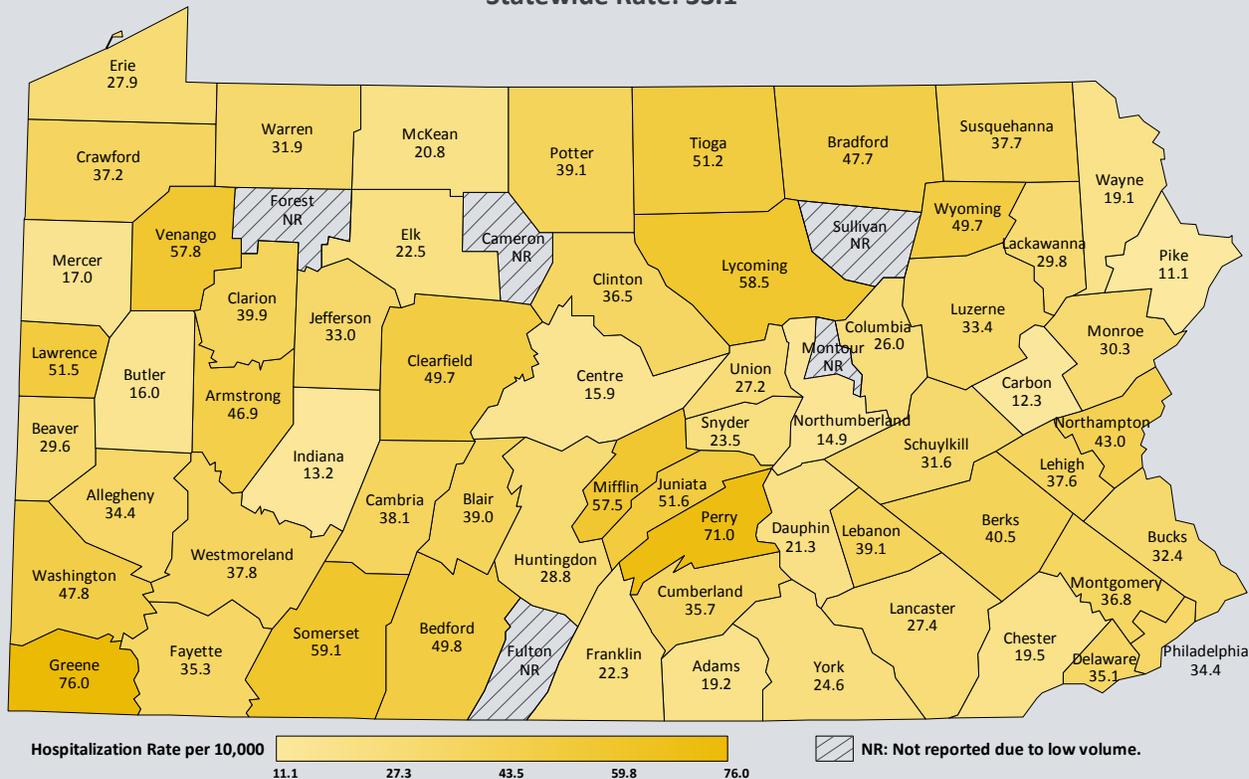
Digestive System (236 cases)	
Age	Percent of Cases
<5	55.5%
5-9	14.0%
10-14	15.7%
15-17	14.8%

Kidney and Urinary Tract (225 cases)	
Age	Percent of Cases
<5	81.8%
5-9	13.3%
10-14	4.0%
15-17	0.9%

Other and Unspecified (1,536 cases)	
Age	Percent of Cases
<5	52.2%
5-9	20.0%
10-14	14.7%
15-17	13.1%

# Childhood Cancer Hospitalization Rate per 10,000 County Residents Under Age 18 Three-Year Period 2016 through 2018

Statewide Rate: 33.1



Note that county rates were not adjusted for population differences (e.g., age and sex) so that important effects of these patient characteristics were not masked by such adjustment. Rates included residents under age 18 and were calculated using PHC4 hospital discharge data and US Census Bureau data (2018 population figures).

## About PHC4

Created by the Pennsylvania General Assembly in 1986, the Pennsylvania Health Care Cost Containment Council (PHC4) is an independent state agency charged with collecting, analyzing and reporting information that can be used to improve the quality and restrain the cost of health care in the state. Today, PHC4 is a recognized national leader in public health care reporting. PHC4 is governed by a 25-member board of directors, representing business, labor, consumers, health care providers, insurers and state government.

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## Childhood Cancer Hospitalizations per 10,000 County Residents Under Age 18 Three-Year Period 2016 through 2018

	2016-2018 Hospitalizations	
	Number	Rate
Statewide	8,827	33.1
Adams	40	19.2
Allegheny	796	34.4
Armstrong	58	46.9
Beaver	94	29.6
Bedford	46	49.8
Berks	383	40.5
Blair	98	39.0
Bradford	63	47.7
Bucks	410	32.4
Butler	61	16.0
Cambria	98	38.1
Cameron	NR	NR
Carbon	15	12.3
Centre	47	15.9
Chester	231	19.5
Clarion	31	39.9
Clearfield	71	49.7
Clinton	30	36.5
Columbia	33	26.0
Crawford	66	37.2
Cumberland	186	35.7
Dauphin	131	21.3
Delaware	441	35.1
Elk	13	22.5
Erie	165	27.9
Fayette	87	35.3
Forest	NR	NR
Franklin	76	22.3
Fulton	NR	NR
Greene	55	76.0
Huntingdon	24	28.8
Indiana	22	13.2
Jefferson	30	33.0

	2016-2018 Hospitalizations	
	Number	Rate
Juniata	28	51.6
Lackawanna	130	29.8
Lancaster	351	27.4
Lawrence	88	51.5
Lebanon	125	39.1
Lehigh	313	37.6
Luzerne	210	33.4
Lycoming	138	58.5
McKean	17	20.8
Mercer	37	17.0
Mifflin	58	57.5
Monroe	103	30.3
Montgomery	652	36.8
Montour	NR	NR
Northampton	267	43.0
Northumberland	26	14.9
Perry	69	71.0
Philadelphia	1,206	34.4
Pike	11	11.1
Potter	13	39.1
Schuylkill	87	31.6
Snyder	21	23.5
Somerset	77	59.1
Sullivan	NR	NR
Susquehanna	28	37.7
Tioga	42	51.2
Union	24	27.2
Venango	57	57.8
Warren	24	31.9
Washington	194	47.8
Wayne	16	19.1
Westmoreland	241	37.8
Wyoming	26	49.7
York	242	24.6

NR: Not reported due to low volume.