WNY Cancer Snapshot: 2022

September 2022
Part I: Data trends
Western New York Catchment Area

- Urban/Suburban
- Appalachian
- Rural
- Native American Territory
- Roswell Park Comprehensive Cancer Center
  Practices, Satellites, and Affiliates
# Top 10 cancers in WNY – incidence

## WNY ALL RACES, 2015-2019

<table>
<thead>
<tr>
<th>Cancer Type</th>
<th>Rate (PER 100,000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breast</td>
<td>142.4</td>
</tr>
<tr>
<td>Prostate</td>
<td>141.6</td>
</tr>
<tr>
<td>Lung and Bronchus</td>
<td>72.0</td>
</tr>
<tr>
<td>Colon and Rectum</td>
<td>39.7</td>
</tr>
<tr>
<td>Corpus and Uterus, NOS</td>
<td>33.8</td>
</tr>
<tr>
<td>Urinary Bladder</td>
<td>29.9</td>
</tr>
<tr>
<td>Melanoma of the Skin</td>
<td>28.4</td>
</tr>
<tr>
<td>Non-Hodgkin Lymphoma</td>
<td>22.9</td>
</tr>
<tr>
<td>Kidney and Renal Pelvis</td>
<td>18.9</td>
</tr>
<tr>
<td>Leukemia</td>
<td>17.6</td>
</tr>
<tr>
<td><strong>All Sites</strong></td>
<td><strong>540.7</strong></td>
</tr>
</tbody>
</table>

*Numbers displayed in **pink** indicate rate is higher than NYS and/or US 2015-2019 Cancer Incidence for WNY catchment area.
NYS Cancer Registry 2022*
Top 10 cancers in WNY—deaths

WNY ALL RACES, 2015–2019

RATE
PER 100,000

LUNG AND BRONCHUS 1 42.9
BREAST 2 20.6
PROSTATE 3 17.8
COLON and RECTUM 4 12.7
PANCREAS 5 11.4
OVARY 6 7.5
LEUKEMIA 7 6.5
NON-HODGKIN LYMPHOMA 8 5.7
LIVER and INTRAHEPATIC BILE DUCT 9 5.4
CORPUS and UTERUS, NOS 10 5.2

ALL SITES 163.4

Numbers displayed in PINK indicate rate is higher than NYS and/or US 2015-2019 Cancer Mortality for WNY catchment area NYS Cancer Registry 2021
Part II: Insights and outreach
WNY incidence rates – top 4 cancers

CANCER INCIDENCE ACROSS RACE & ETHNICITY
FOR WESTERN NEW YORK CATCHMENT AREA
2015-2019

RATE PER 100,000

- Breast (female)
  - All races: 142.4
  - White non-Hispanic: 144.5
  - Black: 139.2
  - Hispanic: 105.3

- Prostate
  - All races: 141.6
  - White non-Hispanic: 137.0
  - Black: 213.7
  - Hispanic: 131.3

- Lung and bronchus
  - All races: 72.0
  - White non-Hispanic: 72.2
  - Black: 49.2
  - Hispanic: 53.3

- Colorectal
  - All races: 39.7
  - White non-Hispanic: 38.7
  - Black: 51.1
  - Hispanic: 34.7

ALL RACES  WHITE NON-HISPANIC  BLACK  HISPANIC
WNY rates of death – top 4 cancers

CANCER MORTALITY ACROSS RACE & ETHNICITY FOR WESTERN NEW YORK CATCHMENT AREA

2015-2019

RATE PER 100,000

LUNG and BRONCHUS

42.9
42.8
51.1
24.3

BREAST (female)

20.6
19.9
29.5
10.2

PROSTATE

17.8
16.7
38.5
19.3

COLORECTAL

12.7
12.3
18.2
7.3

ALL RACES
WHITE NON-HISPANIC
BLACK
HISPANIC

ROSWELL PARK COMPREHENSIVE CANCER CENTER
Roswell Park Outreach & Education

49,299 Community members reached since 2018
## Deaths from cancer – Haudenosaunee

### NYS HAUDENOSAUNEE NATIONS, 1990-2009

#### RATE PER 100,000

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<tr>
<td>COLON and RECTUM</td>
<td>21.4</td>
</tr>
<tr>
<td>LIVER and INTRAHEPATIC BILE DUCT</td>
<td>9.1</td>
</tr>
<tr>
<td>PANCREAS</td>
<td>8.1</td>
</tr>
<tr>
<td>KIDNEY and RENAL PELVIS</td>
<td>6.0</td>
</tr>
<tr>
<td>STOMACH</td>
<td>5.3</td>
</tr>
<tr>
<td><strong>ALL MALIGNANT CANCERS</strong></td>
<td><strong>180.8</strong></td>
</tr>
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#### COUNT

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<td>PANCREAS</td>
<td>19</td>
</tr>
<tr>
<td>KIDNEY and RENAL PELVIS</td>
<td>15</td>
</tr>
<tr>
<td>STOMACH</td>
<td>13</td>
</tr>
<tr>
<td><strong>ALL MALIGNANT CANCERS</strong></td>
<td><strong>442</strong></td>
</tr>
</tbody>
</table>

Numbers displayed in **PINK** indicate rate is higher than NYS and/or US

Source: AI/AN Mortality Supplement Database (1991-2009)


*Reporting on race/ethnicity for Native American data is suppressed by state and federal agencies due to small n and the risk of identifying by tribe or individual/family level.
• Roswell Park led a 2018 study on breast cancer incidence in the Haudenosaunee compared to tribes in the Eastern U.S. and nationally.

• Our analysis showed that Haudenosaunee women in NYS developed breast cancer 1.4 times more often than those from other Eastern tribes.

• Incidence rates for Haudenosaunee women in NYS increased significantly — by 2.7 percent annually between 1998 and 2018; rates in Non-Hispanic American Indian/Alaska Native women in East region overall were stable.

• Additional Roswell Park research shows that cancer was the second leading cause of death and that deaths related to all malignant cancer was discovered to be higher among the Haudenosaunee than previously published for the East.
Part III: Impact
WNY rates of late-stage cancer

1. **Late-stage Lung Cancer Rate**
   - Western NY: 58.1 in 2010-2014, 48.3 in 2015-2019

2. **Invasive Colorectal Cancer Rate**
   - Western NY: 42.5 in 2010-2014, 39.7 in 2015-2019

3. **Late-stage Breast Cancer Rate**
   - Western NY: 46.3 in 2010-2014, 42.0 in 2015-2019

4. **Late-stage Prostate Cancer Rate**
   - Western NY: 7.8 in 2010-2014, 9.6 in 2015-2019

Rozwell Park Comprehensive Cancer Center
WNY rates of death from cancer

LUNG CANCER DEATH RATE

BREAST CANCER DEATH RATE

COLORECTAL CANCER DEATH RATE

PROSTATE CANCER DEATH RATE


