

FAST FACTS

LUNG CANCER

Up-to-date insights on disease, treatment, and care based on real-world data from Komodo's full-stack healthcare analytics platform

Lung cancer is the third most common cancer in the U.S. and the leading cause of cancer-related mortality. While overall rates have declined in recent decades, largely due to a reduction in smoking, lung cancer

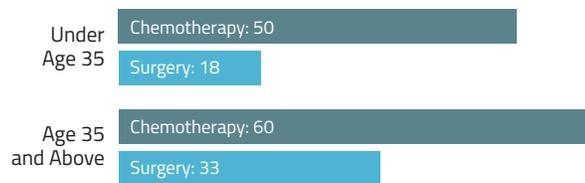
still leads to more deaths than breast, prostate, and colon cancers combined. Older adults are most affected by lung cancer, but in recent years, research has shown increasing rates among younger age brackets.

PREVALENCE

Based on data available in Komodo's Healthcare Map™, there were approximately **518,866** insured Americans living with lung cancer in 2022

TIME TO TREATMENT

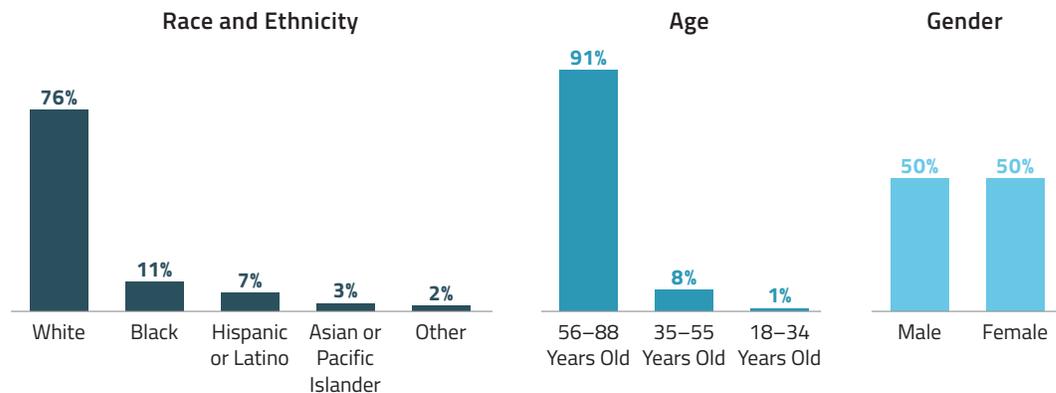
Days from Diagnosis to Treatment, by Age Group



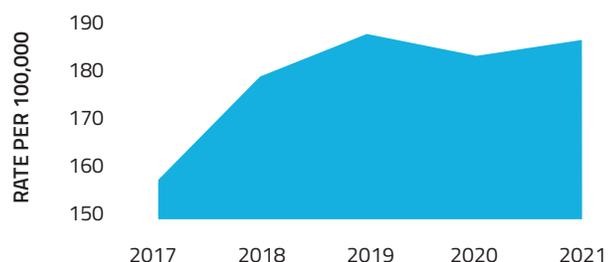
Patients under age 35 received chemotherapy 10 days sooner and received surgery 15 days sooner than patients ages 35 and over, on average.

DEMOGRAPHICS

Based on data available in Komodo's Healthcare Map of newly diagnosed lung cancer patients in 2022



ALL AGES: Patients Living With Lung Cancer



Presentation and Patient Characteristics

Red Flag Symptoms

- 55% Shortness of breath
- 41% Chest pain
- 33% Cough

Nonspecific Symptoms

- 31% Abdominal pain
- 20% Acute respiratory infection
- 20% Nausea
- 3% Fever

Comorbidities

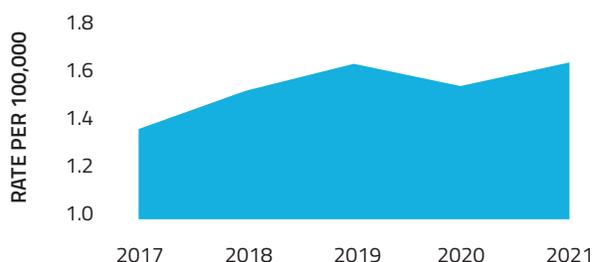
- 76% Hypertension
- 47% Chronic obstructive pulmonary disease
- 33% Type 2 diabetes
- 31% Anxiety

Top Diagnosing Specialties

- Hematology and oncology
- Internal medicine
- Pulmonary disease

Percentage of patients age 35 or older with an emergency department visit prior to their lung cancer diagnosis: **33%**

UNDER 35: Patients Living With Lung Cancer



Presentation and Patient Characteristics

Red Flag Symptoms

- 42% Shortness of breath
- 40% Chest pain
- 33% Cough

Nonspecific Symptoms

- 44% Abdominal pain
- 42% Fever
- 35% Acute respiratory infection
- 32% Nausea

Younger patients were more likely to present with nonspecific symptoms.

Comorbidities

- 35% Anxiety
- 24% Hypertension
- 9% Type 2 diabetes
- 5% Chronic obstructive pulmonary disease

Top Diagnosing Specialties

- Radiology, diagnostic
- Internal medicine
- Emergency medicine

Percentage of patients under age 35 with an emergency department visit prior to their lung cancer diagnosis: **42%**

SMOKING STATUS*

Among patients diagnosed with lung cancer in 2022:

- 79% were smokers
(52% were male, 48% female; 59% were between 65–88 years old)
- 21% were not smokers

Among current smokers who received a screening CT scan:

- 50% were male
- 50% were female
- 77% were White
- 12% were Black
- 99.8% were ages 45–88
- 2% received a lung cancer diagnosis within a year of their scan

SCREENING, DIAGNOSIS, AND MANAGEMENT

Most commonly performed diagnostic scan:

- 1 Chest X-ray
- 2 CT scan
- 3 MRI scan

Most commonly used therapies/procedures:

- 1 Intravenous pembrolizumab
- 2 Mid-chest lymph node removal
- 3 Lung lobe removal
- 4 Intravenous atezolizumab
- 5 Intravenous durvalumab

*Determined using a variety of EMR sources covering a multitude of inpatient and outpatient disease settings, country-wide.

Komodo Health *Fast Facts* are derived from the Komodo Healthcare Map, the largest and most complete database of de-identified, real-world patient data. The Healthcare Map uses artificial intelligence and advanced analytics to track the individual encounters with the healthcare system of over 330 million patients. Drawing data from both providers and payers, the Healthcare Map is the only database of its kind to provide a longitudinal view of the entire patient journey: whether care was delivered in-network or out-of-network and through a specialist, an urgent care center, or a retail clinic. The data in this *Fast Facts* report represent the latest real-world patient data from October 2015 to December 2022.

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