

**Sister Study Bronchus or Lung Cancer Outcomes (any type)<sup>1</sup> and Characteristics: Data Release 7.2<sup>2</sup>**

| <b>Characteristic</b>   | <b>N</b>   | <b>%</b> |
|---|------------|----------|
| <b>Total Cases<sup>3</sup></b>                                | <b>458</b> |          |
| <b>Timing, Behavior, and Site</b>                             |            |          |
| Baseline - Invasive   | 63         | 13.8     |
| Upper lobe  | 3          | 0.7      |
| Middle lobe   | 1          | 0.2      |
| Lower lobe  | 3          | 0.7      |
| Unknown <sup>4</sup>  | 56         | 12.2     |
| Unknown timing <sup>5</sup> - Invasive - Unknown <sup>4</sup> | 5          | 1.1      |
| Incident  | 390        | 85.2     |
| Invasive  | 389        | 84.9     |
| Main bronchus   | 2          | 0.4      |
| Upper lobe  | 85         | 18.6     |
| Middle lobe   | 8          | 1.7      |
| Lower lobe  | 53         | 11.6     |
| Overlapping sites   | 2          | 0.4      |
| Unknown <sup>4</sup>  | 239        | 52.2     |
| Uncertain behavior - Lung                                     | 1          | 0.2      |
| <b>Incident</b>   | <b>390</b> |          |
| <b>Race/Ethnicity<sup>6</sup></b>                             |            |          |
| Non-Hispanic White  | 345        | 88.5     |
| Non-Hispanic Black  | 24         | 6.2      |
| Hispanic  | 7          | 1.8      |
| Other   | 14         | 3.6      |
| <b>Age (in years) at Diagnosis<sup>7</sup></b>                |            |          |
| Under 50  | 8          | 2.1      |
| 50-64   | 127        | 32.6     |
| 65 and older  | 255        | 65.4     |
| <b>Diagnosis Confirmation<sup>8</sup></b>                     |            |          |
| Medical   | 179        | 45.9     |
| NDI Plus or death certificate only                            | 109        | 27.9     |
| None  | 102        | 26.2     |

| Characteristic                        | N          | %    |
|---------------------------------------|------------|------|
| <b>Incident – Medically Confirmed</b> | <b>179</b> |      |
| <b>Stage at Diagnosis<sup>9</sup></b> |            |      |
| I                                     | 59         | 38.1 |
| II                                    | 15         | 9.7  |
| III                                   | 37         | 23.9 |
| IV                                    | 44         | 28.4 |
| Missing, cannot stage                 | 24         |      |

<sup>1</sup> Cancer events are defined by the following ICD10 cancer code: invasive bronchus and lung (C34), in situ bronchus and lung (D02.2). Other ICD10 cancer codes that may be used when bronchus or lung are indicated as one of the favored primary sites: invasive lower respiratory tract (C39.9), invasive unspecified site (C80), in situ respiratory organ (D02.4), uncertain behavior of trachea, bronchus and lung (D38.1), uncertain behavior of respiratory organ (D38.6), unspecified behavior of respiratory organ (D49.1).

<sup>2</sup> Data release 7.2 includes outcomes from follow-up phases that closed on or before 9/15/2017

<sup>3</sup> Excludes bronchus or lung cancers that likely but not definitely originate from carcinoid tumors and diagnoses where a bronchus or lung site of origin could not be ruled out, but neither is the favored site [n=7]

<sup>4</sup> Unknown site generally includes bronchus or lung - not specified, with the following exceptions: incident includes lung or mesothelioma [n=1] and report of bronchus or lung as one of favored primary site(s) but other site(s) cannot be ruled out [n=3]

<sup>5</sup> Unknown timing represents cases that are unknown if diagnosis at or prior to baseline vs. post-baseline (i.e. incident case)

<sup>6</sup> Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race

<sup>7</sup> For those missing age at diagnosis [n=40], age was imputed as the midpoint of the range of plausible ages at diagnosis

<sup>8</sup> Medical confirmation of reported bronchus or lung cancer is generally from pathology report but may include other medical documentation; National Death Index (NDI) Plus or death certificate confirmation is specific to cases that do not have medical confirmation

<sup>9</sup> Stage at diagnosis is only available for cases with medical confirmation