

**Sister Study Bronchus and Lung Cancer Outcomes (Any Behavior)<sup>1</sup> and Characteristics: Data Release 10.1<sup>2</sup>**

	<b>N</b>	<b>% of cohort</b>
<b>Total Cases<sup>3</sup></b>	<b>646</b>	<b>1.3</b>
<b>Timing, Behavior, and Site</b>	<b>N</b>	<b>% of cases</b>
Baseline	65	10.1
Invasive	65	10.1
Upper lobe	3	0.5
Middle lobe	1	0.2
Lower lobe	3	0.5
Unknown <sup>4</sup>	58	9.0
Unknown timing <sup>5</sup>	3	0.5
Invasive - Unknown <sup>4</sup>	3	0.5
Incident	578	89.5
Invasive	574	88.9
Main bronchus	2	0.3
Upper lobe <sup>6</sup>	142	22.0
Middle lobe	13	2.0
Lower lobe	87	13.5
Overlapping sites	5	0.8
Unknown <sup>4</sup>	325	50.3
<i>In situ</i> – Unknown <sup>4</sup>	1	0.2
Uncertain behavior - Lung	3	0.5
<b>Incident</b>	<b>578</b>	
<b>Race/Ethnicity<sup>7</sup></b>		
Non-Hispanic White	513	88.8
Non-Hispanic Black	33	5.7
Hispanic	11	1.9
Other	21	3.6
<b>Age (in years) at Diagnosis<sup>8</sup></b>		
Under 50	7	1.2
50-64	168	29.1
65 and older	403	69.7
<b>Diagnosis Confirmation<sup>9</sup></b>		
Medical	283	49.0
NDI Plus or death certificate only	146	25.3
None	149	25.8

Characteristics	N	% of cases
<b>Incident – Medically Confirmed</b>	<b>283</b>	
<b>Stage at Diagnosis<sup>10</sup></b>		
0	1	0.4
I	104	42.6
II	26	10.7
III	51	20.9
IV	62	25.4
Missing, cannot stage	39	

<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 10.1 includes outcomes from follow-up phases that closed on or before 10/12/2020, excluding all data from participants who have withdrawn their data from the study [n=4]

<sup>3</sup> Excludes cancer diagnoses where a bronchus or lung site of origin could not be ruled out, but it is not the favored site [n=3]

<sup>4</sup> Unknown site generally includes bronchus or lung - not specified, with the following exceptions: incident includes lung or mesothelioma [n=2] 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> Includes diagnosis where there was also a second tumor in an unspecified location [n=1]

<sup>7</sup> Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race

<sup>8</sup> For those missing age at diagnosis [n=49], age was imputed as the midpoint of the range of plausible ages at diagnosis

<sup>9</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>10</sup> Stage at diagnosis is only available for cases with medical confirmation