

Sister Study Bladder Cancer Outcomes (any behavior)¹ and Characteristics: Data Release 10.1²

	N	% of cohort
Total Cases³	196	0.4
Timing, Behavior, and Site	N	% of cases
Baseline	62	31.6
Invasive – Unknown ⁴	56	28.6
<i>In situ</i>	6	3.1
Trigone	2	1.0
Unknown ⁴	4	2.0
Incident	134	68.4
Invasive	68	34.7
Trigone	2	1.0
Dome	2	1.0
Lateral Wall	1	0.5
Anterior Wall	1	0.5
Posterior Wall	4	2.0
Overlapping Sites	6	3.1
Unknown ⁴	52	26.5
<i>In situ</i>	61	31.1
Trigone	4	2.0
Dome	2	1.0
Lateral Wall	9	4.6
Posterior Wall	4	2.0
Overlapping Sites	4	2.0
Unknown ⁴	38	19.4
Uncertain Behavior – Unknown ⁴	5	2.6
Incident	134	
Race/Ethnicity⁵		
Non-Hispanic White	123	91.8
Non-Hispanic Black	5	3.7
Hispanic	5	3.7
Other	1	0.7
Age (in years) at Diagnosis⁶		
Under 50	2	1.5
50-64	41	30.6
65 and older	91	67.9
Diagnosis Confirmation⁷		
Medical	103	76.9
NDI Plus or death certificate only	5	3.7
None	26	19.4

Characteristic	N	%
Incident – Medically Confirmed	103	
Stage at Diagnosis⁸		
0	59	67.0
I	12	13.6
II	9	10.2
III	3	3.4
IV	5	5.7
Missing, cannot stage	15	

¹ Cancer events are defined by the following ICD10 cancer codes: invasive bladder (C67), *in situ* bladder (D09.0), uncertain behavior of bladder (D41.4), unspecified behavior of bladder (D49.4). Other ICD10 cancer codes that may be used when bladder is indicated as one of the favored primary sites: invasive urinary organ (C68.9), invasive unspecified site (C80), *in situ* urinary organ (D09.1), uncertain behavior of urinary organ (D41.9), unspecified behavior of genitourinary organ (D49.59).

² 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outcomes from follow-up phases that closed on or before 10/12/2020, excluding all data from participants who have withdrawn their data from the study (n=4).

³ Excludes cancer diagnoses where bladder site of origin could not be ruled out, but it is not the favored site [n=2]

⁴ Unknown site includes bladder – not specified

⁵ Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race

⁶ For those missing age at diagnosis [n=3], age was imputed at the midpoint of the range of plausible ages at diagnosis

⁷ Medical confirmation of reported kidney 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

⁸ Stage at diagnosis is only available for cases with medical confirmation

Sister Study First Invasive Bladder Cancer¹ Outcomes and Characteristics: Data Release 10.1²

	N	% of cohort
Total Cases³	140	0.3
Timing, Behavior, and Site	N	% of cases
Baseline – Invasive – Unknown ⁴	57	40.7
Incident – Invasive	83	59.3
Trigone	2	1.4
Dome	2	1.4
Lateral Wall	1	0.7
Anterior Wall	1	0.7
Posterior Wall	4	2.9
Overlapping Sites	6	4.3
Unknown ⁴	67	47.9
Incident	83	
Race/Ethnicity⁵		
Non-Hispanic White	73	88.0
Non-Hispanic Black	5	6.0
Hispanic	4	4.8
Other	1	1.2
Age (in years) at Diagnosis⁶		
Under 50	2	2.4
50-64	29	34.9
65 and older	52	62.7
Diagnosis Confirmation⁷		
Medical	39	47.0
NDI Plus or death certificate only	6	7.2
None	38	45.8
Incident – Medically Confirmed	39	
Stage at Diagnosis⁸		
I	12	41.4
II	9	31.0
III	3	10.3
IV	5	17.2
Missing, cannot stage	10	

¹ Cancer events are defined by the following ICD10 cancer codes: invasive bladder (C67). Other ICD10 cancer codes that may be used when bladder is indicated as one of the favored primary sites: invasive urinary organ (C68.9), invasive unspecified site (C80)

² 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)

³ Excludes cancer diagnoses where bladder site of origin could not be ruled out, but it is not the favored site [n=2]

⁴ Unknown site includes bladder – not specified

⁵ Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race

⁶ For those missing age at diagnosis [n=3], age was imputed at the midpoint of the range of plausible ages at diagnosis

⁷ Medical confirmation of reported kidney 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

⁸ Stage at diagnosis is only available for cases with medical confirmation