

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

	N	% of cohort
Total Cases	218	0.4
Timing, Behavior, and Site	N	% of cases
Baseline - Invasive – Kidney	61	28.0
Incident	157	72.0
Invasive	156	71.6
Kidney	155	71.1
Unknown ³	1	0.5
Uncertain Behavior – Kidney	1	0.5
Incident	157	
Race/Ethnicity⁴		
Non-Hispanic White	131	83.4
Non-Hispanic Black	16	10.2
Hispanic	6	3.8
Other	4	2.5
Age (in years) at Diagnosis⁵		
Under 50	7	4.5
50-64	69	43.9
65 and older	81	51.6
Diagnosis Confirmation⁶		
Medical	111	70.7
NDI Plus or death certificate only	5	3.2
None	41	26.1
Incident – Medically Confirmed	111	
Stage at Diagnosis⁷		
0	0	0.0
I	70	67.3
II	13	12.5
III	12	11.5
IV	9	8.7
Missing, cannot stage	7	

¹ Cancer events are defined by the following ICD10 cancer codes: invasive kidney (C64), uncertain behavior of kidney (D41.0), unspecified behavior of kidney (D49.51). Other ICD10 cancer codes that may be used when kidney 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outcomes from follow-up phases that closed on or before 10/12/2020, excluding all data from participants who have withdrawn their data from the study (n=4).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 Unknown site includes reports of kidney or renal pelvis.

⁴ Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race.

⁵ For those missing age at diagnosis [n=3], age was imputed at the midpoint of the range of plausible ages at diagnosis.

⁶ 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.

⁷ Stage at diagnosis is only available for cases with medical confirmation.

Sister Study First Invasive Kidney Cancer Outcomes¹ and Characteristics: Data Release 10.1²

	N	% of cohort
Total Cases	218	0.4
Timing, Behavior, and Site	N	% of cases
Baseline – Invasive – Kidney	61	28.0
Incident – Invasive	157	72.0
Kidney	156	71.6
Unknown ³	1	0.5
Incident	157	
Race/Ethnicity⁴		
Non-Hispanic White	131	83.4
Non-Hispanic Black	16	10.2
Hispanic	6	3.8
Other	4	2.5
Age (in years) at Diagnosis⁵		
Under 50	7	4.5
50-64	69	43.9
65 and older	81	51.6
Diagnosis Confirmation⁶		
Medical	111	70.7
NDI Plus or death certificate only	5	3.2
None	41	26.1
Incident – Medically Confirmed	111	
Stage at Diagnosis⁷		
I	71	67.6
II	13	12.4
III	12	11.4
IV	9	8.6
Missing, cannot stage	6	

¹ Cancer events are defined by the following ICD10 cancer code: invasive kidney (C64). Other ICD10 cancer codes that may be used when kidney is indicated as one of the favored primary sites: invasive urinary organ (C68.9) and 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 Unknown site includes reports of kidney or pelvis.

⁴ Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race.

⁵ For those missing age at diagnosis [n=3], age was imputed at the midpoint of the range of plausible ages at diagnosis.

⁶ Medical confirmation of reported anal 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.

⁷ Stage at diagnosis is only available for cases with medical confirmation.