

**Sister Study Renal Pelvis, Ureteral, and Urethral 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</b>	<b>28</b>	<b>0.1</b>
<b>Timing, Behavior, and Site</b>	<b>N</b>	<b>% of cases</b>
Baseline	2	7.1
Invasive	2	7.1
Ureter	1	3.6
Urethra	1	3.6
Incident	26	92.9
Invasive	21	75.0
Renal Pelvis	11	39.3
Ureter	7	25.0
Urethra	2	7.1
Unknown <sup>3</sup>	1	3.6
<i>In situ</i>	5	17.9
Renal Pelvis	3	10.7
Ureter	2	7.1
<b>Incident</b>	<b>26</b>	
<b>Race/Ethnicity<sup>4</sup></b>		
Non-Hispanic White	26	100.0
Non-Hispanic Black	0	0.0
Hispanic	0	0.0
Other	0	0.0
<b>Age (in years) at Diagnosis<sup>5</sup></b>		
Under 50	0	0.0
50-64	7	26.9
65 and older	19	73.1
<b>Diagnosis Confirmation<sup>6</sup></b>		
Medical	20	76.9
NDI Plus or death certificate only	2	7.7
None	4	15.4
<b>Incident – Medically Confirmed</b>	<b>20</b>	
<b>Stage at Diagnosis<sup>7</sup></b>		
0	5	27.8
I	2	11.1
II	1	5.6
III	6	33.3
IV	4	22.2
Missing, cannot stage	2	

- <sup>1</sup> Cancer events are defined by the following ICD10 cancer codes: invasive renal pelvis (C65), invasive ureter (C66), invasive urethra (C68.0), uncertain behavior of renal pelvis (D41.1), uncertain behavior of ureter (D41.2), uncertain behavior of urethra (D41.3). Other ICD10 cancer codes that may be used when renal pelvis, ureter, or urethra are 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).
- <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outcomes from follow-up phases that closed on or before 10/12/2020, excluding all data from participants who have withdrawn their data from the study (n=4).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> Unknown site includes reports of kidney or renal pelvis
- <sup>4</sup> Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race
- <sup>5</sup> For those missing age at diagnosis [n=3], age was imputed at the midpoint of the range of plausible ages at diagnosis
- <sup>6</sup> 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
- <sup>7</sup> Stage at diagnosis is only available for cases with medical confirmation