

**Sister Study Liver (including Intrahepatic Bile Duct) Cancer Outcomes (any type)¹ and Characteristics:
Data Release 7.2²**

Characteristic	N	%
Total Cases³	48	
Timing, Behavior, and Site		
Baseline	7	14.6
Hepatoma	2	4.2
Unknown ⁴	5	10.4
Incident	41	85.4
Hepatoma	6	12.5
Other sarcoma	1	2.1
Intrahepatic bile duct	9	18.8
Unknown ⁵	25	52.1
Incident	41	
Race/Ethnicity⁶		
Non-Hispanic White	34	82.9
Non-Hispanic Black	5	12.2
Hispanic	1	2.4
Other	1	2.4
Age (in years) at Diagnosis⁷		
Under 50	1	2.4
50-64	18	43.9
65 and older	22	53.7
Diagnosis Confirmation⁸		
Medical	11	26.8
NDI Plus or death certificate only	13	31.7
None	17	41.5

Characteristic	N	%
Incident – Medically Confirmed	11	
Stage at Diagnosis⁹		
0	0	0.0
I	1	14.3
II	1	14.3
III	0	0.0
IV	5	71.4
Missing, cannot stage	4	

¹ Cancer events are defined by the following ICD10 cancer codes: Invasive liver (including intrahepatic bile duct) (C22). Other ICD10 cancer codes that may be used when liver or intrahepatic bile duct is indicated as one of the favored primary sites: invasive digestive organ (C26.9), invasive unspecified site (C80), in situ liver, gallbladder and bile ducts (D01.5), in situ digestive organ (D01.9), uncertain behavior of liver, gallbladder and bile ducts (D37.6), uncertain behavior of digestive organ (D37.9), unspecified behavior of digestive organ (D49.0).

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

³ Excludes cancer diagnoses where liver site of origin could not be ruled out, but it is not the favored site [n=18].

⁴ Unknown site generally includes report of liver – not specified [n=2]; and also includes diagnoses where uncertain if liver is primary site or if it is metastasis from a different primary site [n=3]

⁵ Unknown site generally includes reports of liver – not specified [n=2]; liver or intrahepatic bile duct [n=4]; and also includes diagnoses where liver or intrahepatic bile duct is one of the favored primary site(s) but other digestive site(s) cannot be ruled out [n=4] and includes diagnoses where uncertain if liver is primary site or if it is metastasis from a different primary site [n=15]

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

⁷ For those missing age at diagnosis [n=9], age was imputed as the midpoint of the range of plausible ages at diagnosis

⁸ Medical confirmation of reported liver or intrahepatic bile duct 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

⁹ Stage at diagnosis is only available for cases with medical confirmation