

Liver**C22.0, C22.1****C22.0 Liver****C22.1 Intrahepat bile duct**

Note 1: For C22.0, the Liver schema includes only M-8000-8157, 8162-8175, 8190-9136, 9141-9582, and 9700-9701. For cholangiocarcinoma (M-8160, 8161, and 8180), see Bile Ducts Intra Hepat schema.

Note 2: For C22.1, the Liver schema includes only M-8170-8175. For other histologies, see Bile Ducts Intra Hepat schema.

Note 3: AJCC 7 TNM staging will be derived for hepatocellular carcinoma only, M-8170-8175.

Liver**CS Tumor Size**

Code	Description
000	No mass/tumor found
001-988	001 - 988 millimeters (mm); (Exact size to nearest mm)
989	989 mm or larger
990	Microscopic focus or foci only and no size of focus given
991	Described as "less than 1 centimeter (cm)"
992	Described as "less than 2 cm," or "greater than 1 cm," or "between 1 cm and 2 cm"
993	Described as "less than 3 cm," or "greater than 2 cm," or "between 2 cm and 3 cm"
994	Described as "less than 4 cm," or "greater than 3 cm," or "between 3 cm and 4 cm"
995	Described as "less than 5 cm," or "greater than 4 cm," or "between 4 cm and 5 cm"
996	Described as "greater than 5cm"
999	Unknown; size not stated; Size of tumor cannot be assessed Not documented in patient record

Liver**CS Extension**

Note 1: In codes 390, 400, and 440, "multiple (satellite) nodules/tumors" includes satellitosis, multifocal tumors, and intrahepatic metastases.

Note 2: Major vascular invasion (code 630) is defined as invasion of the branches of the main portal vein (right or left portal vein, not including sectoral or segmental branches) or as invasion of one or more of the three hepatic veins (right, middle, or left). Invasion of hepatic artery or vena cava is coded to 660.

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
100	Single lesion (one lobe) WITHOUT intrahepatic vascular invasion, including vascular invasion not stated	T1	T1	L	L
150	More than one lobe involved by contiguous growth (single lesion) WITHOUT intrahepatic vascular invasion, including vascular invasion not stated	T1	T1	RE	RE
170	Confined to liver, NOS Localized, NOS	T1	T1	L	L
200	OBSOLETE DATA CONVERTED V0200; See code 350 Single lesion (one lobe) WITH intrahepatic vascular invasion	ERROR	ERROR	ERROR	ERROR
250	Single lesion WITH involvement of one or more lobes of liver or extension within liver not stated, WITH extension to gallbladder WITHOUT vascular invasion, including vascular invasion not stated	T1	T1	RE	RE
270	Stated as T1 with no other information on extension	T1	T1	L	L
300	OBSOLETE DATA CONVERTED V0200; See code 390 Multiple (satellite) nodules/tumors (one lobe) WITHOUT intrahepatic vascular invasion, including vascular invasion not stated	ERROR	ERROR	ERROR	ERROR

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
350	Single lesion (one lobe) WITH intrahepatic vascular invasion	T2	T2	L	L
370	More than one lobe involved by contiguous growth (single lesion) WITH vascular invasion	T2	T2	RE	RE
380	Single lesion WITH involvement of one or more lobes of liver or extension within liver not stated WITH extension to gallbladder WITH intrahepatic vascular invasion	T2	T2	RE	RE
390	Multiple (satellite) nodules/tumors (one lobe) WITHOUT intrahepatic vascular invasion, including vascular invasion not stated	^	*	L	L
400	Multiple (satellite) nodules/tumors (one lobe) WITH intrahepatic vascular invasion	^	*	L	L
420	Multiple (satellite) nodules/tumors (one lobe) WITH extension to gallbladder WITH or WITHOUT intrahepatic vascular invasion	^	*	RE	RE
440	Multiple (satellite) nodules/tumors in more than one lobe of liver or on surface of parenchyma Satellite nodules, NOS	^	*	D	RE
460	Stated as T2 with no other information on extension	T2	T2	L	L
500	OBSOLETE DATA CONVERTED V0200 ; See code 170 Confined to liver, NOS Localized, NOS	ERROR	ERROR	ERROR	ERROR

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
510	OBSOLETE DATA CONVERTED V0200; See code 150 More than one lobe involved by contiguous growth (single lesion) WITHOUT vascular invasion, including vascular invasion not stated	ERROR	ERROR	ERROR	ERROR
520	OBSOLETE DATA CONVERTED V0200; See code 370 More than one lobe involved by contiguous growth (single lesion) WITH vascular invasion	ERROR	ERROR	ERROR	ERROR
530	OBSOLETE DATA CONVERTED V0200; See code 250 Extension to gallbladder, extent within liver not stated	ERROR	ERROR	ERROR	ERROR
540	OBSOLETE DATA CONVERTED V0200; See code 250 Extension to gallbladder 530 + (100 or 510)	ERROR	ERROR	ERROR	ERROR
550	OBSOLETE DATA CONVERTED V0200; See code 380 Extension to gallbladder 530 + (200 or 520)	ERROR	ERROR	ERROR	ERROR
560	OBSOLETE DATA CONVERTED V0200; See code 420 Extension to gallbladder 530 + (300 or 400)	ERROR	ERROR	ERROR	ERROR
580	OBSOLETE DATA CONVERTED V0200; See code 645 Extrahepatic bile ducts	ERROR	ERROR	ERROR	ERROR
600	Stated as T3a with no other information regarding extension	T3a	T3	RE	RE

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
630	Single or multiple tumor(s) WITH major vascular invasion: major branch(es) of portal or hepatic vein(s); (See Note 2)	T3b	T3	RE	RE
635	630 + 440 Single or multiple tumor(s) with major vascular invasion: major branch(es) of portal or hepatic vein(s) plus multiple nodules/tumors in more than one lobe of liver or on surface of parenchyma	T3b	T3	D	RE
638	Stated as T3b with no other information on extension	T3b	T3	RE	RE
640	Direct extension/perforation of visceral peritoneum	T4	T4	RE	RE
645	Extrahepatic bile ducts	T4	T4	RE	RE
650	OBSOLETE DATA CONVERTED V0200 ; See code 440 Multiple (satellite) nodules/tumors in more than one lobe of liver or on surface of parenchyma Satellite nodules, NOS	ERROR	ERROR	ERROR	ERROR
660	Extension to hepatic artery or vena cava	T4	T4	RE	RE
670	OBSOLETE DATA CONVERTED V0200 ; See code 635 630+650	ERROR	ERROR	ERROR	ERROR
700	Diaphragm	T4	T4	RE	RE
750	OBSOLETE DATA RETAINED AND REVIEWED V0203 Perforation of visceral peritoneum	T4	T4	RE	RE

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
750 cont'd	included in 2 codes in CSv2: V0201, V0202. Any case coded 750 for perforation of visceral peritoneum should be recoded to 640. See codes 640, 755 Lesser omentum Ligament(s): Coronary Falciform Hepatoduodenal Hepatogastric Round (of liver) Triangular Perforation of visceral peritoneum Parietal peritoneum	T4	T4	RE	RE
755	Lesser omentum Ligament(s): Coronary Falciform Hepatoduodenal Hepatogastric Round (of liver) Triangular Parietal peritoneum	T4	T4	RE	RE
760	OBSOLETE DATA CONVERTED V0200 ; See code 770 (650 or 670) + any of (640 or 660 or 700 or 750)	ERROR	ERROR	ERROR	ERROR
770	(640, 645, 660, 700, or 755) + (440 or 635) Any extension coded in (640, 645, 660, 700, or 750) plus multiple tumors/nodules in more than one lobe of liver or on surface of parenchyma	T4	T4	D	RE
800	Further contiguous extension: Pancreas Pleura	T4	T4	D	D

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
800 cont'd	Stomach Other contiguous extension	T4	T4	D	D
805	OBSOLETE DATA CONVERTED V0203; See code 950 No evidence of primary tumor	ERROR	ERROR	ERROR	ERROR
810	Stated as T4 with no other information on extension	T4	T4	D	D
950	No evidence of primary tumor	T0	T0	U	U
999	Unknown, extension not stated Primary tumor cannot be assessed Not documented in patient record	TX	TX	U	U

^ For CS Extension codes 390, 400, 420, and 440 ONLY, the T category for AJCC 7 staging is assigned based on the value of CS Tumor Size, as shown in the Extension Size AJCC 7 Table for this schema.

* For CS Extension codes 390, 400, 420, and 440 ONLY, the T category for AJCC 6 staging is assigned based on the value of CS Tumor Size, as shown in the Extension Size AJCC 6 Table for this schema.

Liver

CS Tumor Size/Ext Eval

See Standard Table

Liver

CS Lymph Nodes

Note 1: Code only regional nodes and nodes, NOS, in this field. Distant nodes are coded in CS Mets at DX.

Note 2: Inferior phrenic nodes are classified as regional nodes for AJCC 7 staging.

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
000	No regional lymph node involvement	N0	N0	NONE	NONE
100	Regional lymph nodes: Hepatic, NOS: Hepatic artery	N1	N1	RN	RN

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
100 cont'd	Hepatic pedicle Inferior vena cava Porta hepatis (hilar) (in hilus of liver) Hepatoduodenal ligament Periportal Portal vein Regional lymph node(s), NOS	N1	N1	RN	RN
200	Inferior phrenic nodes	N1	N0	D	D
300	200 + 100	N1	N1	D	D
350	Stated as N1 with no other information on regional lymph nodes	N1	N1	RN	RN
800	OBSOLETE DATA RETAINED AND REVIEWED V0203 See codes 350, 805 Lymph nodes, NOS Stated as N1[NOS]	N1	N1	RN	RN
805	Lymph nodes, NOS	N1	N1	RN	RN
999	Unknown; regional lymph nodes not stated; Regional lymph node(s) cannot be assessed; Not documented in patient record	NX	NX	U	U

Liver**CS Lymph Nodes Eval****See Standard Table**

Note 1: This field is used primarily to derive the staging basis for the N category in the TNM system. It records how the code for the item "CS Lymph Nodes" was determined based on the diagnostic methods employed and their intent.

Note 2: In the 7th edition of the AJCC manual, the clinical and pathologic classification rules for the N category were changed to reflect current medical practice. The N is designated as clinical or pathologic based on the intent (workup versus treatment) matching with the assessment of the T classification. When the intent is workup, the staging basis is clinical, and when the intent is treatment, the staging basis is pathologic.

A. Microscopic assessment including biopsy of regional nodes or sentinel nodes if being

performed as part of the workup to choose the treatment plan, is therefore part of the clinical staging. When it is part of the workup, the T category is clinical, and there has not been a resection of the primary site adequate for pathologic T classification (which would be part of the treatment).

B. Microscopic assessment of regional nodes if being performed as part of the treatment is therefore part of the pathologic staging. When it is part of the treatment, the T category is pathologic, and there has been a resection of the primary site adequate for pathologic T classification (all part of the treatment).

Note 3: Microscopic assessment of the highest N category is always pathologic (code 3).

Note 4: If lymph node dissection is not performed after neoadjuvant therapy, use code 0 or 1.

Note 5: Only codes 5 and 6 are used if the node assessment is performed after neoadjuvant therapy.

Code	Description	Staging Basis
0	Does not meet criteria for AJCC pathologic staging: No regional lymph nodes removed for examination. Evidence based on physical examination, imaging examination, or other non-invasive clinical evidence. No autopsy evidence used.	c
1	Does not meet criteria for AJCC pathologic staging based on at least one of the following criteria: No regional lymph nodes removed for examination. Evidence based on endoscopic examination, or other invasive techniques including surgical observation, without biopsy. No autopsy evidence used. OR Fine needle aspiration, incisional core needle biopsy, or excisional biopsy of regional lymph nodes or sentinel nodes as part of the diagnostic workup, WITHOUT removal of the primary site adequate for pathologic T classification (treatment).	c
2	Meets criteria for AJCC pathologic staging: No regional lymph nodes removed for examination, but evidence derived from autopsy (tumor was suspected or diagnosed prior to autopsy).	p
3	Meets criteria for AJCC pathologic staging based on at least one of the following criteria: Any microscopic assessment of regional nodes (including FNA, incisional core needle bx, excisional bx, sentinel node bx or node resection), WITH removal of the primary site adequate for pathologic T classification (treatment) or biopsy assessment of the highest T category. OR Any microscopic assessment of a regional node in the highest N category, regardless of the T category information.	p
5	Does not meet criteria for AJCC y-pathologic (yp) staging: Regional lymph nodes removed for examination AFTER neoadjuvant	c

Code	Description	Staging Basis
5 cont'd	therapy AND lymph node evaluation based on clinical evidence, unless the pathologic evidence at surgery (AFTER neoadjuvant) is more extensive (see code 6).	c
6	Meets criteria for AJCC y-pathologic (yp) staging: Regional lymph nodes removed for examination AFTER neoadjuvant therapy AND lymph node evaluation based on pathologic evidence, because the pathologic evidence at surgery is more extensive than clinical evidence before treatment.	yp
8	Meets criteria for AJCC autopsy (a) staging: Evidence from autopsy; tumor was unsuspected or undiagnosed prior to autopsy.	a
9	Unknown if lymph nodes removed for examination Not assessed; cannot be assessed Unknown if assessed Not documented in patient record	c

Liver**Regional Nodes Positive****See Standard Table**

Note: Record this field even if there has been preoperative treatment.

Liver**Regional Nodes Examined****See Standard Table****Liver****CS Mets at DX**

Note: Inferior phrenic nodes were reclassified from distant to regional nodes in AJCC 7th Edition. They are now coded in CS Lymph Nodes.

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
00	No distant metastasis	M0	*	NONE	NONE
10	Distant lymph node(s), NOS	M1	M1	D	D

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
11	Distant lymph nodes: Cardiac Lateral (aortic) (lumbar) Pericardial (pericardiac) Posterior mediastinal (tracheoesophageal) including juxtaphrenic nodes Retroperitoneal, NOS	M1	M1	RN	D
12	Distant lymph nodes: Coronary artery Renal artery	M1	M1	RN	D
13	Distant lymph node(s): Aortic (para-, peri-) Diaphragmatic, NOS Peripancreatic (near head of pancreas only)	M1	M1	D	D
15	OBSOLETE DATA RETAINED V0200 Inferior phrenic nodes reclassified from distant to regional nodes in AJCC 7th Edition See code 16 or CS Lymph Node code 200 Distant lymph node(s) other than codes 10-13, including inferior phrenic nodes	ERROR	M1	D	D
16	Distant lymph node(s) other than codes 10-13	M1	M1	D	D
40	Distant metastasis except distant lymph node(s) (codes 10-16) Carcinomatosis	M1	M1	D	D
50	OBSOLETE DATA RETAINED V0200 Inferior phrenic nodes reclassified from distant to regional nodes in	ERROR	M1	D	D

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
50 cont'd	AJCC 7th Edition See code 51 40 + any of (10 or 11 or 15) Distant lymph node(s) plus other distant metastases	ERROR	M1	D	D
51	40 + (10,11, or 16) Distant metastasis plus distant lymph node(s) in codes 10, 11, or 16	M1	M1	D	D
52	40 + (12 or 13) Distant metastasis plus distant lymph node(s) in codes 12 or 13	M1	M1	D	D
60	Distant metastasis, NOS Stated as M1 with no other information on distant metastasis	M1	M1	D	D
99	Unknown; distant metastasis not stated Distant metastasis cannot be assessed Not documented in patient record	M0	*	U	U

* For CS Mets at DX codes 00 and 99, the M category for AJCC 6 staging is assigned based on the coding of CS Lymph Nodes as shown in the Lymph Nodes Mets at DX AJCC 6 Table.

Liver

CS Mets Eval

See Standard Table

Note: This item reflects the validity of the classification of the item CS Mets at DX only according to the diagnostic methods employed.