

Retinoblastoma**Retinoblastoma****C69.0-C69.6, C69.8-C69.9****M-9510-9514****C69.0 Conjunctiva****C69.1 Cornea, NOS****C69.2 Retina****C69.3 Choroid****C69.4 Ciliary Body****C69.5 Lacrimal Gland****C69.6 Orbit, NOS****C69.8 Overlapping lesion of eye and adnexa****C69.9 Eye, NOS****Note 1:** Laterality must be coded for this site.**Note 2:** Code all retinoblastomas using this schema, including retinoblastomas described in other parts of eye. AJCC TNM categories will be derived for retinoblastomas with a primary site code of C69.2 only.**Retinoblastoma****CS Tumor Size****See Standard Table****Retinoblastoma****CS Extension****Note 1:** For correct calculation of derived staging fields for this schema, CS Extension and CS Site-Specific Factor 1, Extension Evaluated at Enucleation, must both be coded, whether or not an enucleation was performed. Information from enucleation is excluded from CS Extension and coded only in CS Site-Specific Factor 1.**Note 2:** If both eyes are involved, code the information for the most extensively involved eye in this field, and code the information for the second eye in CS Site-Specific Factor 6.

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
110	OBSOLETE DATA RETAINED V0200 Any eye in which the largest tumor is less than or equal to 3 mm in height AND no tumor is located closer than 1 DD (1.5mm) to the optic nerve or fovea	ERROR	T1a	L	L
120	Volume no more than two-thirds of eye AND Largest dimension not greater than 3 millimeter (mm)	T1a	T1a	L	L

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
120 cont'd	<p>AND Location not closer than 1.5 mm to optic nerve or fovea</p> <p>AND Tumor formation: No vitreous or subretinal seeding and no subretinal fluid beyond 5 mm from base of tumor</p> <p>AND Retinal detachment not present</p> <p>Stated as T1a with no other information on extension</p>	T1a	T1a	L	L
130	<p>OBSOLETE DATA RETAINED</p> <p>V0200</p> <p>All other eyes in which the tumor(s) are confined to retina regardless of location or size (up to half the volume of the eye)</p> <p>AND No vitreous seeding</p> <p>AND No retinal detachment or subretinal fluid greater than 5 mm from the base of the tumor</p>	ERROR	T1b	L	L
140	<p>Volume no more than two-thirds of eye</p> <p>AND (Largest dimension greater than 3 mm</p> <p>OR location closer than 1.5 mm to optic nerve or fovea)</p> <p>AND Tumor formation: No vitreous or subretinal seeding and no subretinal fluid beyond 5mm from base of tumor</p> <p>AND Retinal detachment not present</p> <p>Stated as T1b with no other information on extension</p>	T1b	T1b	L	L
160	<p>Volume no more than two-thirds of eye</p> <p>AND (Largest dimension greater than 3 mm</p> <p>OR location closer than 1.5 mm to optic nerve or fovea)</p> <p>AND (Tumor formation: Subretinal fluid beyond 5 mm from base of tumor</p> <p>OR retinal detachment present)</p> <p>Stated as T1c with no other information on extension</p>	T1c	T2a	L	L

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
180	Volume no more than two-thirds of eye AND Tumor formation: No vitreous or subretinal seeding Stated as T1 [NOS] with no other information on extension	T1NOS	T1NOS	L	L
310	OBSOLETE DATA RETAINED V0200 Tumor confined to retina (no vitreous seeding or significant retinal detachment), NOS	ERROR	T1NOS	L	L
410	OBSOLETE DATA RETAINED V0200 Minimal tumor spread to vitreous and/or subretinal space. Fine local or diffuse vitreous seeding and/or serous retinal detachment up to total detachment may be present but no clumps, lumps, snowballs, or avascular masses are allowed in the vitreous or subretinal space. Calcium flecks in the vitreous or subretinal space are allowed. Tumor may fill up to 2/3 the volume of the eye.	ERROR	T2a	L	L
420	Volume no more than two-thirds of eye AND Tumor formation: Focal vitreous and/or subretinal seeding of fine aggregates of tumor cells but no large clumps or "snowballs" of tumor cells AND Retinal detachment may be present Stated as T2a with no other information on extension	T2a	T2a	L	L
430	OBSOLETE DATA RETAINED V0200 Massive tumor spread to vitreous and/or subretinal space. Vitreous seeding and/or subretinal	ERROR	T2b	L	L

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
430 cont'd	implantation may consist of lumps, clumps, snowballs, or avascular tumor masses. Retinal detachment may be total. Tumor may fill up to 2/3 the volume of the eye.	ERROR	T2b	L	L
440	Volume no more than two-thirds of eye AND Tumor formation: Massive vitreous and/or subretinal seeding defined as diffuse clumps or "snowballs" of tumor cells AND Retinal detachment may be present Stated as T2b with no other information on extension	T2b	T2b	L	L
450	OBSOLETE DATA RETAINED V0200 Extension reassigned to codes 500, 520 Unsalvageable intraocular disease: Tumor fills more than 2/3 the eye No possibility of visual rehabilitation. One or more of the following are present: Tumor-associated glaucoma, either neovascular or angle closure Anterior segment extension of tumor Ciliary body extension of tumor HypHEMA (significant) Massive vitreous hemorrhage Tumor in contact with lens Orbital cellulitis-like clinical presentation	ERROR	T2c	L	L
460	Volume no more than two-thirds of eye AND Tumor formation: Vitreous and/or subretinal seeding AND Retinal detachment may be present Stated as T2 [NOS] with no other information on extension	T2NOS	T2NOS	L	L

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
470	OBSOLETE DATA RETAINED V0200 Tumor with contiguous spread to adjacent tissues or spaces (vitreous or subretinal space), NOS	ERROR	T2NOS	L	L
500	Severe intraocular disease: Tumor occupies more than two-thirds volume of eye Stated as T3a with no other information on extension	T3a	T2c	L	L
520	Severe intraocular disease: One or more complications present including: Tumor-associated neovascular or angle closure glaucoma Tumor extension into anterior segment Hyphema (blood in anterior chamber) Vitreous hemorrhage Orbital cellulitis Stated as T3b with no other information on extension	T3b	T2c	L	L
540	Severe intraocular disease NOS Stated as T3 [NOS] with no other information on extension	T3NOS	T2c	L	L
590	OBSOLETE DATA RETAINED V0200 Invasion of optic nerve and/or optic coats, NOS	ERROR	T3	RE	RE
680	Extraocular disease detected by imaging studies: Invasion of optic nerve Stated as T4a with no other information on extension	T4a	T3	RE	RE

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
700	Extraocular disease detected by imaging studies: Invasion into orbit Stated as T4b with no other information on extension	T4b	T4	RE	RE
720	Extraocular disease detected by imaging studies: Intracranial extension not past optic chiasm Stated as T4c with on other information on extension	T4c	T4	D	D
740	Extraocular disease detected by imaging studies: Intracranial extension past optic chiasm Stated as T4d with no other information on extension	T4d	T4	D	D
750	OBSOLETE DATA RETAINED V0200 Extraocular tumor	ERROR	T4	RE	RE
760	Extraocular disease detected by imaging studies NOS Stated as T4 [NOS]	T4NOS	T4	RE	RE
800	OBSOLETE DATA RETAINED V0200 Further contiguous extension	ERROR	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 the CS Extension fields for this site, the mapping values for the T category for AJCC stage, SS77, and SS2000 and the associated c, p, y, or a indicator are assigned based on the values in CS Extension, CS TS/Ext Eval, and CS Site-Specific Factor 1 as shown in the Special Calculation Table for AJCC T and Special Calculation Table for SEER Summary Stage Also Used for AJCC T When TS/Ext Eval is Not Coded.

Retinoblastoma**CS Tumor Size/Ext Eval****See Standard Table**

Note: This item reflects the validity of the classification of the Tumor Size and CS Extension were determined based on the diagnostic methods employed.

Retinoblastoma**CS Lymph Nodes**

Note: Distant lymph node involvement, considered N2 for AJCC 7 staging for retinoblastoma, is coded in CS Lymph Nodes. Distant lymph node involvement was considered M1 for AJCC 6 staging, and was coded in CS Mets at DX in CS Version 1.

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 node(s): Cervical Parotid (preauricular) Submandibular Regional lymph node(s), NOS	N1	N1	RN	RN
200	Distant lymph nodes	N2	*	D	D
250	200 + 100	N1	*	D	D
800	Lymph nodes, NOS	N1	N1	RN	RN
999	Unknown; regional lymph nodes not stated; Regional lymph nodes cannot be assessed Not documented in patient record	NX	NX	U	U

* For CS Lymph Nodes codes 200 and 250 ONLY, the N category and M categories for AJCC 6 staging are assigned based on the values of CS Lymph Nodes, CS Lymph Nodes Eval, CS Mets at DX, and CS Mets Eval as shown in the Lymph Nodes Mets at DX AJCC 6 Table for this schema.

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

Retinoblastoma**Regional Nodes Positive****See Standard Table**

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

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

Note 1: Distant lymph node involvement is considered N2 for AJCC 7 staging for retinoblastoma and is coded in the CS Lymph Nodes field. Distant lymph node involvement was considered M1 in AJCC 6 staging for retinoblastoma and was coded in CS Mets at DX in CS Version 1.

Note 2: Code single and multiple metastatic lesions in this field based on the presentation of metastases in all distant sites excluding distant lymph nodes.

Note 3: Consider metastasis to bone marrow as a single site of involvement.

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
00	No distant metastasis	M0	*	NONE	NONE
10	OBSOLETE DATA RETAINED V0200 Distant lymph nodes coded in CS Lymph Nodes Distant lymph node(s)	ERROR	*	D	D
20	Single metastatic lesion only: Distant metastasis to site other than bone marrow or CNS	M1a	*	D	D
30	Single metastatic lesion only: Distant metastasis to bone marrow only	M1a	*	D	D
35	Distant metastasis to single lesion, NOS Stated as M1a with no other information on metastasis	M1a	*	D	D
40	OBSOLETE DATA CONVERTED V0200; See code 80	ERROR	ERROR	ERROR	ERROR

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
40 cont'd	Distant metastasis except distant lymph node(s) (10) or bone marrow (30) Distant metastasis, NOS Carcinomatosis	ERROR	ERROR	ERROR	ERROR
45	Multiple metastatic lesions involved Distant metastasis to sites other than CNS WITH or WITHOUT bone marrow involvement Stated as M1b with no other information on metastasis	M1b	*	D	D
50	OBSOLETE DATA RETAINED V0200 Distant lymph nodes coded in CS Lymph Nodes (10) + any of [(30) or (40)] Distant lymph node(s) plus other distant metastases	ERROR	*	D	D
55	OBSOLETE DATA CONVERTED V0200; See code 80 Stated as M1, NOS	ERROR	ERROR	ERROR	ERROR
60	Metastasis to CNS: Location not specified Stated as M1c with no other information on metastasis	M1c	*	D	D
65	Metastasis to CNS: Prechiasmatic lesions WITHOUT leptomeningeal and/or CSF involvement	^	*	D	D
70	Metastasis to CNS: Postchiasmatic lesions WITHOUT leptomeningeal and/or CSF involvement Stated as M1d with no other information on metastasis	M1d	*	D	D

Code	Description	TNM 7 Map	TNM 6 Map	SS77 Map	SS2000 Map
75	Metastasis to CNS: WITH Leptomeningeal and/or CSF involvement Stated as M1e with no other information on metastasis	M1e	*	D	D
80	Distant metastasis, NOS Stated as M1, NOS with no other information on distant metastasis	M1NOS	*	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 code 65 ONLY, the M category for AJCC 7 staging is assigned based on the values of CS Mets at DX and CS Mets Eval, as shown in the Mets at DX Mets Eval AJCC 7 Table for this schema.

* For CS Mets at DX codes 00 through 99, when CS Lymph Nodes code is only 000, 100, 800, or 999, the M category for AJCC 6 staging is assigned based on the values of CS Mets at DX and CS Mets Eval, as shown in the Mets at DX Mets Eval AJCC 6 Table for this schema. When the CS Lymph Nodes code is 200 or 250, the M category for AJCC 6 staging is assigned based on the value of CS Lymph Nodes and CS Nodes Eval as shown in the Lymph Nodes Mets at DX AJCC 6 Table for this schema.

Retinoblastoma

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.

Retinoblastoma

CS Site-Specific Factor 1

Extension Evaluated at Enucleation

Note: See page A-163

Note 1: True invasion of the choroid is defined as one or more solid nests of tumor cells that fills or replaces the choroid and has pushing borders. This is distinguished from artifactual invasion, or groups of tumor cells in the open spaces between intraocular structures, extraocular tissues, and/or subarachnoid space. Focal choroidal invasion is a solid nest of tumor measuring less than 3 millimeter (mm) in maximum diameter. Massive choroidal invasion is a solid tumor nest 3 mm or more in maximum diameter.

Note 2: For correct calculation of derived staging fields for this schema, CS Extension and CS Site-

Specific Factor 1, Extension Evaluated at Enucleation, must both be coded, whether or not an enucleation was performed. Information from enucleation is excluded from CS Extension and coded only in CS Site-Specific Factor 1.

Code	Description	TNM 7 Map	TNM 6 Map	SS77	SS2000
000	OBSOLETE DATA CONVERTED V0200 ; See code 970 No enucleation performed	ERROR	ERROR	ERROR	ERROR
030	OBSOLETE DATA CONVERTED V0200 ; See code 300 Tumor(s) confined to retina, NOS	ERROR	ERROR	ERROR	ERROR
041	OBSOLETE DATA CONVERTED V0200 ; See code 410 Tumor cells in the vitreous body	ERROR	ERROR	ERROR	ERROR
043	OBSOLETE DATA CONVERTED V0200 ; See code 430 Tumor(s) confined to subretinal space No optic nerve or choroidal invasion	ERROR	ERROR	ERROR	ERROR
044	OBSOLETE DATA CONVERTED V0200 ; See code 440 Tumor invades optic nerve up to, but not through, level of lamina cribrosa	ERROR	ERROR	ERROR	ERROR
046	OBSOLETE DATA CONVERTED V0200 ; See code 460 Tumor invades choroid focally	ERROR	ERROR	ERROR	ERROR
047	OBSOLETE DATA CONVERTED V0200 ; See code 470 Tumor invades optic nerve up to, but not through, level of lamina cribrosa AND invades the choroid focally	ERROR	ERROR	ERROR	ERROR
048	OBSOLETE DATA CONVERTED V0200 ; See code 440 Optic nerve as far as lamina cribrosa, NOS	ERROR	ERROR	ERROR	ERROR

Code	Description	TNM 7 Map	TNM 6 Map	SS77	SS2000
049	OBSOLETE DATA CONVERTED V0200 ; See code 490 Minimal invasion of optic nerve and/or optic coats, NOS	ERROR	ERROR	ERROR	ERROR
054	OBSOLETE DATA CONVERTED V0200 ; See code 540 Tumor invades optic nerve through the level of lamina cribrosa but not to line of resection	ERROR	ERROR	ERROR	ERROR
056	OBSOLETE DATA CONVERTED V0200 ; See code 560 Tumor massively invades choroid	ERROR	ERROR	ERROR	ERROR
057	OBSOLETE DATA CONVERTED V0200 ; See code 570 Tumor invades optic nerve through level of lamina cribrosa but not to line of resection AND massively invades choroid	ERROR	ERROR	ERROR	ERROR
059	OBSOLETE DATA CONVERTED V0200 ; See code 590 Significant invasion of optic nerve and/or optic coats, NOS	ERROR	ERROR	ERROR	ERROR
072	OBSOLETE DATA CONVERTED V0200 ; See code 765 Extraocular extension including: Both anteriorly or posteriorly into orbit Optic nerve to line of resection Orbit through sclera Extension into subarachnoidal space of optic nerve Extension to apex of orbit	ERROR	ERROR	ERROR	ERROR
074	OBSOLETE DATA RETAINED V0200	ERROR	T4	D	D

Code	Description	TNM 7 Map	TNM 6 Map	SS77	SS2000
074 cont'd	Extraocular extension including into: Brain Brain beyond the chiasm	ERROR	T4		
075	OBSOLETE DATA RETAINED V0200 Other adjacent extraocular extension	ERROR	T4	RE	RE
080	OBSOLETE DATA RETAINED V0200 Further contiguous extension	ERROR	T4	D	D
095	OBSOLETE DATA CONVERTED V0200; See code 950 No evidence of primary tumor	ERROR	ERROR	ERROR	ERROR
096	OBSOLETE DATA CONVERTED V0200; See code 960 Unknown if enucleation done	ERROR	ERROR	ERROR	ERROR
300	Tumor(s) confined to retina, NOS	T1	T1	L	L
410	Tumor cells in the vitreous body WITHOUT optic nerve invasion and WITHOUT choroidal invasion	T1	T1	L	L
430	Tumor(s) confined to subretinal space WITHOUT optic nerve invasion and WITHOUT choroidal invasion	T1	T1	L	L
435	Tumor confined to eye NOS WITHOUT optic nerve and WITHOUT choroidal invasion Stated as pT1 with no other information on extension	T1	T1	L	L
440	Tumor invades optic nerve up to, but not through, level of lamina cribrosa	T2a	T2a	L	L

Code	Description	TNM 7 Map	TNM 6 Map	SS77	SS2000
440 cont'd	WITHOUT invasion of choroid	T2a			
460	Tumor invades choroid focally WITHOUT invasion of optic nerve	T2a	T2b	L	L
465	Stated as pT2a with no other information on extension	T2a	T2a	L	L
470	Tumor invades optic nerve up to, but not through, level of lamina cribrosa WITH focal invasion of the choroid Stated as pT2b with no other information on extension	T2b	T2c	L	L
490	Tumor with minimal optic nerve and/or choroidal invasion, NOS Stated as pT2 [NOS] with no other information on extension	T2NOS	T2NOS	L	L
540	Tumor invades optic nerve through the level of lamina cribrosa but not to line of resection WITHOUT massive invasion of choroid	T3a	T3a	RE	RE
550	Tumor massively invades choroid WITHOUT invasion of optic nerve through level of lamina cribrosa	T3a	T3b	RE	RE
560	Tumor with significant optic nerve and/or choroidal invasion Stated as pT3a with no other information on extension	T3a	T3a	RE	RE

Code	Description	TNM 7 Map	TNM 6 Map	SS77	SS2000
570	Tumor invades optic nerve through level of lamina cribrosa but not to line of resection WITH massive invasion of choroid Stated as pT3b with no other information on extension	T3b	T3c	RE	RE
590	Tumor with significant optic nerve and/or choroidal invasion, NOS Stated as pT3 [NOS] with no other information	T3NOS	T3NOS	RE	RE
725	Invasion of optic nerve to resection line WITHOUT extraocular extension Stated as pT4a with no other information on extension	T4a	T4	RE	RE
745	Extraocular extension WITHOUT invasion of optic nerve to resection line including: Invasion of orbit through sclera Extension anteriorly or posteriorly into orbit Extension into subarachnoidal space of optic nerve Extension to apex of orbit	T4NOS	T4	RE	RE
755	Extraocular extension WITHOUT invasion of optic nerve to resection line including: Extension to brain Extension to brain beyond chiasm	T4NOS	T4	D	D
765	Invasion of optic nerve to resection line WITH extraocular extension including: Invasion of orbit through sclera Extension anteriorly or posteriorly into orbit Extension into subarachnoidal space	T4b	T4	RE	RE

Code	Description	TNM 7 Map	TNM 6 Map	SS77	SS2000
765 cont'd	of optic nerve Extension to apex of orbit	T4b	T4	RE	RE
775	Invasion of optic nerve to resection line WITH extraocular extension including: Extension to brain Extension to brain beyond chiasm	T4b	T4	D	D
790	Stated as pT4b with no other information on extension	T4b	T4	RE	RE
810	Stated as pT4 [NOS] with no other information on extension	T4NOS	T4	RE	RE
950	No evidence of primary tumor	T0	T0	U	U
960	Unknown if enucleation performed	TX	TX	U	U
970	No enucleation performed	TX	TX	U	U
999	Enucleation performed: Extension unknown	TX	TX	U	U

For the CS Extension fields for this site, the mapping values for TNM, SS77, and SS2000 and the associated c, p, y, or a indicator are assigned based on the values in CS Extension, CS TS/Ext Eval, and Site-Specific Factor 1 as shown in the Special Calculation Table for AJCC Stage and Special Calculation Table for SEER Summary Stage.