

Table S3. Concepts and Codes of Ophthalmic Infection

Word	UMLS	SNOMED Code	SNOMED Name	SNOMED Match	ICD-10-CM Code	ICD-10-CM Name	ICD-10 Match	ICD-11	ICD-11 Name	ICD-11 Match	ICD-11 subgroup name	ICD-11 Match
Acanthamoeba endophthalmitis	C3536667	711644007	Acanthamoeba endophthalmitis	Equal	H44.12	Parasitic endophthalmitis, unspecified	Wide	9C21.Y	Other specified endophthalmitis	Wide	No	Wide
Acanthamoeba keratitis	C0000880	231896005	Acanthamoeba keratitis	Equal	B60.13	Keratoconjunctivitis due to acanthamoeba	Wide	1F50/9A60.1	Keratoconjunctivitis due to acanthamoeba	Subgroup	Acanthamoeba keratitis	Equal
Acute blepharitis	C0521728	95750004	Acute blepharitis	Equal	H01.0	Blepharitis	Wide	9A02.01	Posterior blepharitis	Narrow	No	Narrow
Acute conjunctivitis	C0155141	53726008	Acute conjunctivitis	Equal	H10.2	Other acute conjunctivitis	Equal	9A60.Z	Conjunctivitis, unspecified	Subgroup	Acute conjunctivitis	Equal
Acute cyclitis	C1455748	42492000	Acute cyclitis	Equal	H30.2	Posterior cyclitis	Narrow	9A96.Y	Other specified anterior uveitis	Subgroup	Cyclitis acute, recurrent or subacute	Equal
Acute endophthalmitis	C0154773	1493002	Acute endophthalmitis	Equal	H44.009	Acute and subacute endophthalmitis	Narrow	9C20.2	Purulent endophthalmitis	Subgroup	Acute endophthalmitis	Equal
Acute hemorrhagic conjunctivitis	C0009765	398264003	Acute hemorrhagic conjunctivitis	Equal	B30.3	Acute epidemic hemorrhagic conjunctivitis (enteroviral)	Equal	1D84.1	Acute epidemic hemorrhagic conjunctivitis	Equal	No	Equal
Acute iridocyclitis	C1455749	77971008	Iridocyclitis	Wide	H20.0	Acute and subacute iridocyclitis	Wide	9A96.Y	Other specified anterior uveitis	Subgroup	Acute iridocyclitis	Equal
Acute iritis	C0271105	2905005	Acute iritis	Equal	H20.0	Acute and subacute iridocyclitis	Wide	9A96.Y	Other specified anterior uveitis	Subgroup	Acute iritis, recurrent or subacute	Equal
Acute posterior multifocal placoid pigment epitheliopathy	C0154884	89188001	Acute posterior multifocal placoid pigment epitheliopathy	Equal	H30.14	Acute posterior multifocal placoid pigment epitheliopathy	Equal	9B65.0	Noninfectious posterior choroiditis	Subgroup	Acute posterior multifocal placoid pigment epitheliopathy	Equal
Acute retinal necrosis	C0035319	231986000	Acute retinal necrosis	Equal	H30	Chorioretinal inflammation	Wide	9B65.1	Infectious posterior choroiditis	Subgroup	Acute retinal necrosis	Equal
Acute retrobulbar neuritis	C0155301	51604006	Acute retrobulbar neuritis	Equal	H46.1	Retrobulbar neuritis	Wide	9C40.10	Retrobulbar neuritis	Wide	No	Wide
Acute toxoplasmosis chorioretinitis	C1281937	214031009	Acute toxoplasmosis chorioretinitis	Equal	B58.01	Toxoplasma chorioretinitis	Wide	1F57.3/9B65.2	Toxoplasma chorioretinitis	Wide	No	Wide
Adenoviral keratitis	C1282239	314559002	Adenoviral keratitis	Equal	B30.0	Keratoconjunctivitis due to adenovirus	Narrow	9A71	Infectious keratitis	Wide	No	Wide
Anterior uveitis	C0052165	410692006	Anterior uveitis	Equal	H20	Iridocyclitis	Wide	9A96	Anterior uveitis	Equal	No	Equal
Areolar keratitis	C0271260	50998005	Areolar keratitis	Equal	H16.11	Macular keratitis	Equal	9A78.Z	Certain specified disorders of cornea, unspecified	Subgroup	Areolar keratitis	Equal
Ascaris lumbricoides endophthalmitis	C5395921	860836003	Endophthalmitis caused by ascaris lumbricoides	Equal	H44.12	Parasitic endophthalmitis	Wide	9C21.Y	Other specified endophthalmitis	Wide	No	Wide
Aspergillus endophthalmitis	C1531605	413583003	Aspergillus endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	1F20.OY	Invasive aspergillosis of other specified site	Subgroup	Aspergillus endophthalmitis	Equal

Aspergillus keratitis	N/A	314558005	Fungal keratitis	Wide	H16.8	Other Keratitis	Wide	1F20.0Y	Invasive aspergillosis of other specified site	Subgroup	Aspergillus keratitis	Equal
Atrophic iris	C0423319	95709007	Atrophic iris	Equal	H21.269	Iris atrophy (essential) (progressive), unspecified eye	Equal	9A90.2	Iris atrophy	Equal	No	Equal
Bacterial chorioretinitis	C0339409	231988004	Bacterial chorioretinitis	Equal	H30	Chorioretinal inflammation	Wide	9B65.2	Chorioretinal inflammation	Wide	No	Wide
Bacterial conjunctivitis	C0009763	12835005	Bacterial conjunctivitis	Equal	H10.0	Mucopurulent conjunctivitis	Wide	9A60.Y	Other specified conjunctivitis	Subgroup	Bacterial conjunctivitis	Equal
Bacterial endophthalmitis	C1531510	413626002	Bacterial endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	9B72.Y	Other specified inflammatory disease of the retina	Subgroup	Bacterial endophthalmitis	Equal
Bacterial keratitis	C0854211	314557000	Bacterial keratitis	Equal	H16	Keratitis	Wide	9A71	Infectious keratitis	Subgroup	Bacterial keratitis	Equal
Bacterial panuveitis	C5559685	789116000	Infectious panuveitis	Wide	H44.11	Panuveitis	Wide	9C20.1	Infectious panuveitis	Subgroup	Other bacterial panuveitis	Equal
Bacterial retinitis	C5559980	399463004	Retinitis	Wide	H30	Chorioretinal inflammation	Wide	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Blepharitis	C0005741	41446000	Blepharitis	Equal	H01.0	Blepharitis	Equal	9A01.3	Infectious blepharitis	Narrow	No	Narrow
Blepharoconjunctivitis	C0005743	686859002	Blepharoconjunctivitis	Equal	H10.5	Blepharoconjunctivitis	Equal	9A60.4	Blepharoconjunctivitis	Equal	No	Equal
Borrelia burgdorferi panuveitis	C5396742	870335005	Panuveitis caused by Borrelia burgdorferi	Equal	H44.11	Panuveitis	Wide	9C20.Y	Other specified panuveitis	Wide	No	Wide
Brawny scleritis	C0155356	91612009	Brawny scleritis	Equal	H15.02	Brawny scleritis	Equal	9B51	Brawny scleritis	Equal	No	Equal
Brucellosis uveitis	C1531621	413716003	Brucellosis uveitis	Equal	A23.8	Other brucellosis	Wide	9C20	Panuveitis	Wide	No	Wide
Canaliculitis	C0423172	84399007/26479009	Acute/Chronic lacrimal canaliculitis	Narrow	H04.33 / H04.42	Acute/Chronic lacrimal canaliculitis	Narrow	9A11.1	Canaliculitis	Equal	No	Equal
Candida dacryolith	N/A	47952001	Dacryolith	Wide	H04.51	Dacryolith	Wide	9A11.6	Dacryolith	Wide	No	Wide
Candida endophthalmitis	C1167769	413746000	Candida endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	9B72.Y	Other specified inflammatory diseases of the retina	Subgroup	Endogenous fungal endophthalmitis, candida	Equal
Candida retinitis	C0339412	231990003	Candida retinitis	Equal	H30	Chorioretinal inflammation	Wide	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Chalazion	C0007933	1482004	Chalazion	Equal	H00.1	Chalazion	Equal	9A02.0	Chalazion	Equal	No	Equal
Chikungunya retinitis	N/A	399463004	Retinitis	Wide	H30	Chorioretinal inflammation	Wide	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Chlamydia conjunctivitis	C1393756	231861005	Chlamydial conjunctivitis	Equal	A74.0	Chlamydial conjunctivitis	Equal	1C20	Chlamydial conjunctivitis	Equal	No	Equal
Chorioretinal scar	C0008512	53854005	Chorioretinal scar	Equal	H31.0	Chorioretinal scars	Equal	9B62	Chorioretinal scars	Equal	No	Equal

Chorioretinitis	C0008513	46627006	Chorioretinitis	Equal	H30	Chorioretinal inflammation	Equal	9B65.2	Chorioretinal inflammation	Equal	No	Equal
Chorioretinitis with coccidiomycosis	C1562346	417405005	Chorioretinitis with coccidiomycosis	Equal	H30	Chorioretinal inflammation	Wide	9B65.2	Chorioretinal inflammation	Wide	No	Wide
Choroiditis	C008526	16553002	Choroiditis	Equal	H30	Chorioretinal inflammation	Wide	9B65	Choroiditis	Equal	No	Equal
Chronic blepharitis	C0521729	95751000	Chronic blepharitis	Equal	H01.0	Blepharitis	Wide	9A02.1	Posterior blepharitis	Narrow	No	Narrow
Chronic conjunctivitis	C0155145	73762008	Chronic conjunctivitis	Equal	H10.4	Chronic conjunctivitis	Equal	9A60.Z	Conjunctivitis, unspecified	Subgroup	Chronic conjunctivitis	Equal
Chronic endophthalmitis	C0154774	13978000	Chronic endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	9B72.Y	Other specified inflammatory diseases of the retina	Subgroup	Chronic postoperative bacterial endophthalmitis	Equal
Chronic iridocyclitis	C1510449	193493000	Chronic iridocyclitis due to another disorder	Narrow	H20.1	Chronic iridocyclitis	Equal	9A96.Y	Other specified anterior uveitis	Subgroup	Chronic iridocyclitis, unspecified	Equal
Cicatrizating conjunctivitis	C1274790	403436006	Cicatrizating conjunctivitis	Equal	H10	Conjunctivitis	Wide	9A60.2	Cicatrizating conjunctivitis	Equal	No	Equal
Congenital syphilitic chorioretinitis	C2887119	9941009	Congenital syphilitic chorioiditis	Narrow	A50.32	Late congenital syphilitic chorioretinitis	Narrow	1A60.0/9B65.2	Congenital syphilitic chorioretinitis	Equal	No	Equal
Conjunctival abscess	C0239086	95746006	Abscess of conjunctiva	Equal	H11	Other disorder of conjunctiva	Wide	9A60.31	Abscess of conjunctiva	Equal	No	Equal
Conjunctivitis	C0009763	9826008	Conjunctivitis	Equal	H10	Conjunctivitis	Equal	9A60	Conjunctivitis	Equal	No	Equal
Conjunctivitis due to acquired toxoplasmosis	C0153307	67372006	Conjunctivitis due to acquired toxoplasmosis	Equal	H10	Conjunctivitis	Wide	1F57.3	Eye disease due to Toxoplasma gondii	Wide	No	Wide
Conjunctivitis due to adenovirus	C0600124	186679007	Conjunctivitis due to adenovirus	Equal	B30.1	Conjunctivitis due to adenovirus	Equal	1D84.0	Conjunctivitis due to adenovirus	Equal	No	Equal
Corneal transplant infection	C2891298	314553001	Cornea graft infection	Equal	T86.842	Corneal transplant infection	Equal	NE83.1	Infection arising from device, implant or graft, not elsewhere classified	Wide	No	Wide
Corneal ulcer	C0010043	91514001	Corneal ulcer	Equal	H16.0	Corneal ulcer	Equal	9A76	Corneal ulcer	Equal	No	Equal
Cryptococcal chorioretinitis	C1562194	416877003	Cryptococcal chorioretinitis	Equal	H30	Chorioretinal inflammation	Wide	9B65.2	Chorioretinal inflammation	Wide	No	Wide
Cryptococcal choroiditis	C1562082	417344003	Cryptococcal choroiditis	Equal	H30	Chorioretinal inflammation	Wide	9B65.1	Infectious posterior choroiditis	Wide	No	Wide
Cryptococcal endophthalmitis	C1562278	416296007	Cryptococcal endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	9C21	Endophthalmitis	Wide	No	Wide
Cryptococcal retinitis	C1562210	417547006	Cryptococcal retinitis	Equal	H30	Chorioretinal inflammation	Wide	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Cyclitis	C0010543	17657000	Cyclitis	Equal	H30.2	Posterior cyclitis	Narrow	9A96.Z	Anterior uveitis, unspecified	Subgroup	Cyclitis	Equal
Cysticercosis of eye	C0348996	187149005	Cysticercosis of eye	Equal	B69.1	Cysticercosis of eye	Equal	1F70.1	Cysticercosis of eye	Equal	No	Equal
Cytomegalovirus chorioretinitis	C0877072	711616006	Cytomegalovirus chorioretinitis	Equal	H30	Chorioretinal inflammation	Wide	9B72.00	Cytomegaloviral retinitis	Narrow	No	Narrow

Cytomegalovirus keratitis	N/A	314020001	Viral keratitis	Wide	H16.8	Other keratitis	Wide	9A71	Infectious keratitis	Wide	No	Wide
Cytomegalovirus retinitis	C0206178	22455005	Cytomegaloviral retinitis	Equal	H30	Chorioretinal inflammation	Wide	9B72.00	Cytomegaloviral retinitis	Equal	No	Equal
Cytomegalovirus uveitis	N/A	128473001	Uveitis	Wide	H20	Iridocyclitis	Wide	9A96	Anterior uveitis	Wide	No	Wide
Dacryoadenitis	C0155223	86927009	Dacryoadenitis	Equal	H04.0	Dacryoadenitis	Equal	9A10.Y	Other specified disorders of the lacrimal gland	Wide	No	Wide
Dacryocystitis	C0010930	85777005	Dacryocystitis	Equal	H04.30	Unspecified dacryocystitis	Wide	9A11.2	Dacryocystitis	Equal	No	Equal
Dacryolith	C0155249	47952001	Dacryolith	Equal	H04.51	Dacryolith	Equal	9A11.6	Dacryolith	Equal	No	Equal
Deep scleritis	C0521768	95796007	Deep scleritis	Equal	H15.03	Posterior scleritis	Narrow	9B51	Scleritis	Wide	No	Wide
Dendritic keratitis	C0022570	29943008	Herpes simplex dendritic keratitis	Equal	B00.52	Herpesviral keratitis	Wide	1F100.10	Herpes simplex keratitis	Subgroup	Dendritic keratitis	Equal
Dermatoblepharitis	N/A	41446000	Blepharitis	Equal	H01.0	Blepharitis	Equal	9A01.3	Infectious blepharitis	Wide	No	Wide
Diffuse chorioretinal lesion	C0423446	247194002	Diffuse chorioretinal lesion	Equal	H30.133	Disseminated chorioretinal inflammation, generalized, bilateral	Narrow	9B7Z	Disorders of the retina, unspecified	Wide	No	Wide
Diffuse episcleritis	C1282232	314549003	Diffuse episcleritis	Equal	H15.1	Episcleritis	Wide	9B50	Episcleritis	Wide	No	Wide
Diffuse unilateral subacute neuroretinitis	C0339404	1119281000	Diffuse unilateral subacute neuroretinitis	Equal	H30	Chorioretinal inflammation	Wide	9B65.0	Noninfectious posterior choroiditis	Subgroup	Diffuse unilateral subacute neuroretinitis	Equal
Disciform keratitis	C0339235	231907006	Disciform keratitis	Equal	B00.52	Herpesviral keratitis	Wide	1F100.10	Herpes simplex keratitis	Subgroup	Disciform keratitis	Equal
Disseminated choroiditis	C0271027	27339005	Disseminated choroiditis	Equal	H30.139	Disseminated chorioretinal inflammation, generalized, bilateral	Narrow	9B65	Choroiditis	Wide	No	Wide
Eales Disease	C0271073	54122009	Eales' disease	Equal	H35.06	Eales' disease	Equal	9B77	Eales disease	Equal	No	Equal
Ebola virus panuveitis	N/A	789116000	Infectious panuveitis	Wide	H44.11	Panuveitis	Wide	9C20	Panuveitis	Wide	No	Wide
Endophthalmitis	C0014236	1847009	Endophthalmitis	Equal	H44.0	Purulent endophthalmitis	Narrow	9C21	Endophthalmitis	Equal	No	Equal
Episcleritis	C0014583	815008	Episcleritis	Equal	H15.1	Episcleritis	Equal	9B50	Episcleritis	Equal	No	Equal
Epstein-Barr virus conjunctivitis	N/A	9826008	Conjunctivitis	Wide	H10.89	Other Conjunctivitis	Wide	9A60	Conjunctivitis	Wide	No	Wide
Epstein-Barr virus dacryoadenitis	C5767335	840443008	Dacryoadenitis due to infectious mononucleosis	Equal	H04.0	Dacryoadenitis	Wide	9A10.0	Infections of the lacrimal gland	Wide	No	Wide
Epstein-Barr virus infection of the retina	C1562149	416195002	Epstein-Barr virus infection of the retina	Equal	H30	Chorioretinal inflammation	Wide	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Epstein-Barr virus keratitis	N/A	5888003	Keratitis	Wide	H16.8	Other keratitis	Wide	9A71	Infectious keratitis	Wide	No	Wide

External hordeolum	C0085690	1489008	External hordeolum	Equal	H00.01	Hordeolum externum	Equal	9A01.21	Hordeolum externum	Equal	No	Equal
Filamentary keratitis	C0155077	51286002	Filamentary keratitis	Equal	H16.129	Filamentary keratitis, unspecified eye	Equal	9A78.Z	Certain specified disorders of the cornea, unspecified	Subgroup	Filamentary keratitis	Equal
Flat chorioretinal lesion	C0423443	247191005	Flat chorioretinal lesion	Equal	H30	Chorioretinal inflammation	Wide	9B65.2	Chorioretinal inflammation	Wide	No	Wide
Focal chorioretinal lesion	C0423440	247188005	Focal chorioretinal lesion	Equal	H30	Chorioretinal inflammation	Wide	9B65.2	Chorioretinal inflammation	Wide	No	Wide
Focal retinitis	C0271025	359668007	Focal retinitis	Equal	H30.049	Focal chorioretinal inflammation, macular or paramacular, unspecified eye	Narrow	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Follicular conjunctivitis	C0221384	86402005	Follicular conjunctivitis	Equal	H10.01 / H10.43	Acute/chronic follicular conjunctivitis	Equal	9A60.1	Follicular conjunctivitis	Equal	No	Equal
Fovealitis	N/A	399463004	Retinitis	Wide	H30	Chorioretinal inflammation	Wide	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Frosted branch angiitis	C1532529	414297000	Frosted branch angiitis	Equal	H30	Chorioretinal inflammation	Wide	9B72.00	Cytomegaloviral retinitis	Wide	No	Wide
Fungal choroiditis	C0339411	359702001	Fungal choroiditis	Equal	H30	Chorioretinal inflammation	Wide	9B65	Choroiditis	Wide	No	Wide
Fungal conjunctivitis	C0339170	231862003	Fungal conjunctivitis	Equal	H10.8	Other conjunctivitis	Wide	9A60.Y	Other specified conjunctivitis	Wide	No	Wide
Fungal endophthalmitis	C1532533	414303007	Fungal endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	9B72.Y	Other specified inflammatory diseases of the retina	Subgroup	Fungal endophthalmitis	Equal
Fungal keratitis	C1262117	314558005	Fungal keratitis	Equal	H16.8	Other keratitis	Wide	9A71	Infectious keratitis	Subgroup	Fungal keratitis	Equal
Fungal orbital cellulitis	N/A	194005002	Orbital cellulitis	Wide	H05.01	Cellulitis of orbit	Wide	9A21.0	Orbital cellulitis	Wide	No	Wide
Fungal panuveitis	C5567920	75614007	Panuveitis	Wide	H44.11	Panuveitis	Wide	9C20	Panuveitis	Subgroup	Other fungal panuveitis	Equal
Fungal retinitis	C23663910	399463004	Retinitis	Wide	H30	Chorioretinal inflammation	Wide	9B72.Z	Inflammatory diseases of the retina, unspecified	Wide	No	Wide
Giant papillary conjunctivitis	C0009769	231857004	Giant papillary conjunctivitis	Equal	H10.41	Chronic giant papillary conjunctivitis	Narrow	9A60.00	Giant papillary conjunctivitis	Equal	No	Equal
Gonococcal conjunctivitis	C4304446	231858009	Gonococcal conjunctivitis	Equal	A54.31	Gonococcal conjunctivitis	Equal	1A72.4	Gonococcal infection of the eye	Subgroup	Gonococcal conjunctivitis	Equal
Gonococcal endophthalmitis	C0153213	111807001	Gonococcal endophthalmitis	Equal	A54.3	Gonococcal infection of eye	Wide	1A72.4	Gonococcal infection of eye	Wide	No	Wide
Gonococcal iridocyclitis	C0153212	9091006	Gonococcal iridocyclitis	Equal	A54.32	Gonococcal iridocyclitis	Equal	1A72.4	Gonococcal infection of eye	Subgroup	Gonococcal iridocyclitis	Equal
Gonococcal keratitis	C0153214	40149008	Gonococcal keratitis	Equal	A54.33	Gonococcal keratitis	Equal	1A72.4	Gonococcal infection of eye	Subgroup	Gonococcal keratitis	Equal
Gonococcal uveitis	N/A	410477000	Infective uveitis	Wide	A54.3	Gonococcal infection of eye	Wide	1A72.4	Gonococcal infection of eye	Subgroup	Gonococcal anterior uveitis	Equal

Granular conjunctivitis	C1393763	9006000	Trachomatous granular conjunctivitis	Narrow	H10	Conjunctivitis	Wide	1C23.1	Active stage of trachoma	Subgroup	Granular conjunctivitis	Equal
Granulomatous chorioretinitis	C0521679	95682009	Granulomatous chorioretinitis	Equal	H30	Chorioretinal inflammation	Wide	1B12.1	Tuberculosis of the eye	Wide	No	Wide
Granulomatous choroiditis	C0521680	95683004	Granulomatous choroiditis	Equal	H30	Chorioretinal inflammation	Wide	9B65	Choroiditis	Wide	No	Wide
Granulomatous conjunctivitis	C0521726	95748007	Granulomatous conjunctivitis	Equal	H11.2 23	Conjunctival granuloma, bilateral	Narrow	9A60	Conjunctivitis	Wide	No	Wide
Granulomatous keratitis	C0521718	95734007	Granulomatous keratitis	Equal	H16.8	Other keratitis	Wide	9A71	Infectious keratitis	Wide	No	Wide
Herpes simplex conjunctivitis	C1096627	410508006	Herpes simplex conjunctivitis	Equal	B00.5 3	Herpesviral conjunctivitis	Wide	1D84.Y&XA8PS3	Herpes simplex conjunctivitis	Equal	No	Equal
Herpes simplex disciform keratitis	C0153038	59523007	Herpes simplex disciform keratitis	Equal	B00.5 2	Herpesviral keratitis	Wide	1F100.1	Herpes simplex keratitis	Equal	No	Equal
Herpes simplex eyelid dermatitis	C0153037	186544000	Herpes simplex eyelid dermatitis	Equal	B00.5 9	Other herpesviral disease of eye	Wide	1F100.11	Herpes simplex infection of eyelid	Equal	No	Equal
Herpes simplex iridocyclitis	C0153039	13608004	Herpes simplex iridocyclitis	Equal	B00.5 1	Herpesviral iridocyclitis	Wide	1F100.1Y/9A96.2& XA03X9	Herpesviral iridocyclitis	Wide	No	Wide
Herpes simplex keratouveitis	C1275686	397572000	Herpes simplex keratouveitis	Equal	B00.5 9	Other herpesviral disease of eye	Wide	1F100.1Y/9A96.2	Herpes simplex anterior uveitis	Wide	No	Wide
Herpes simplex necrotizing stromal keratitis	C1301534	397571007	Herpes simplex necrotizing stromal keratitis	Equal	H16.8	Other keratitis	Wide	1F100.10	Herpes simplex keratitis	Wide	No	Wide
Herpes simplex retinitis	C5567343	186542001	Ophthalmic herpes simplex	Wide	B00.5 9	Other herpesviral disease of eye	Wide	1F00.1	Herpes simplex infection of eye	Wide	No	Wide
Herpes simplex stromal keratitis	C1301533	397570008	Herpes simplex stromal keratitis	Equal	B00.5 9	Other herpesviral disease of eye	Wide	1F100.10	Herpes simplex keratitis	Wide	No	Wide
Herpes simplex uveitis	N/A	186542001	Ophthalmic herpes simplex	Wide	B00.5 9	Other herpesviral disease of eye	Wide	1F00.1/9A96.2	Herpes simplex anterior uveitis	Narrow	No	Narrow
Herpes simplex virus epithelial keratitis	C1561991	417091001	Herpes simplex virus epithelial keratitis	Equal	B00.5 2	Herpesviral keratitis	Wide	1F100.10	Herpes simplex keratitis	Wide	No	Wide
Herpes zoster acute retinal necrosis	C1827297	422471006	Herpes zoster acute retinal necrosis	Equal	B02.3 9	Other herpes zoster eye disease	Wide	1E91.1	Ophthalmic zoster	Wide	No	Wide
Herpes zoster anterior uveitis	N/A	410692006	Anterior uveitis	Wide	B02.3 9	Other herpes zoster eye disease	Wide	1E91.1/9A96.2	Zoster anterior uveitis	Equal	No	Equal
Herpes zoster interstitial keratitis	C1959857	426570007	Herpes zoster interstitial keratitis	Equal	B02.3 9	Other herpes zoster eye disease	Wide	1E91.1	Ophthalmic zoster	Wide	No	Wide
Herpes zoster iridocyclitis	C0153028	10698009	Herpes zoster iridocyclitis	Equal	B02.3 2	Zoster iridocyclitis	Equal	1E91.1/9A96.2	Zoster anterior uveitis	Equal	No	Equal
Herpes zoster keratitis	C1275687	397573005	Herpes zoster keratitis	Equal	B02.3 3	Zoster keratitis	Equal	1E91.1	Ophthalmic zoster	Subgroup	Herpes zoster keratitis	Equal
Herpes zoster retinitis	C0748380	421029004	Herpes zoster retinitis	Equal	B02.3 9	Other herpes zoster eye disease	Wide	1E91.1	Ophthalmic zoster	Wide	No	Wide
Herpes zoster scleritis	C3509198	1.08713E+15	Herpes zoster scleritis	Equal	B02.3 4	Zoster scleritis	Equal	1E91.1/9B51	Zoster scleritis	Equal	No	Equal
Herpesvirus panuveitis	C5396739	870332008	Panuveitis caused by Herpesvirus	Equal	H44.1 1	Panuveitis	Wide	9C20.1	Infectious panuveitis	Subgroup	Herpesvirus related panuveitis	Equal
Herpetic iridocyclitis	C1719768	420485005	Herpetic iridocyclitis	Equal	B00.5 1	Herpesviral iridocyclitis	Equal	1F100.1Y/9A96.2& XA03X9	Herpesviral iridocyclitis	Equal	No	Equal

Herpetic keratitis	C0019357	9389005	<i>Herpes simplex keratitis</i>	Narrow	B00.52	Herpesviral keratitis	Equal	1F100.1	Herpes simplex keratitis	Subgroup	Herpetic keratitis	Equal
Histoplasma capsulatum retinitis	C0153264	187039009	Histoplasma capsulatum with retinitis	Equal	B39.3	<i>Disseminated histoplasmosis capsulatii</i>	Wide	9B72.Z	<i>Inflammatory diseases of the retina, unspecified</i>	Wide	No	Wide
Histoplasma duboisii retinitis	C0153272	187049007	Histoplasma duboisii with retinitis	Equal	H30	<i>Chorioretinal inflammation</i>	Wide	9B72.Z	<i>Inflammatory diseases of the retina, unspecified</i>	Wide	No	Wide
Histoplasmosis retinitis	C0153278	187058000	Histoplasmosis with retinitis	Equal	H30	<i>Chorioretinal inflammation</i>	Wide	9B72.Z	<i>Inflammatory diseases of the retina, unspecified</i>	Wide	No	Wide
Hordeolum	C0019917	397513003	Hordeolum	Equal	H00.0	Hordeolum of eyelid	Equal	9A01.2	Hordeolum	Equal	No	Equal
Human immunodeficiency virus retinitis	C0744977	69154000	<i>AIDS with background retinopathy</i>	Wide	H35.00	<i>Unspecified background retinopathy</i>	Wide	9B72.01	HIV retinitis	Equal	No	Equal
Human immunodeficiency virus retinopathy	C0276592	69154000	<i>AIDS with background retinopathy</i>	Narrow	H35.00	<i>Unspecified background retinopathy</i>	Wide	9B72.01	<i>HIV retinitis</i>	Narrow	No	Narrow
Hypopyon	C0020641	87807004	Hypopyon	Equal	H20.05	Hypopyon	Equal	MC20.2	Hypopyon	Equal	No	Equal
Hypopyon ulcer	C0155070	6395007	Hypopyon ulcer	Equal	H16.03	Corneal ulcer with hypopyon	Equal	9A76	<i>Corneal ulcer</i>	Subgroup	Hypopyon ulcer	Equal
Infectious blepharitis	C0729587	312219000	Infective blepharitis	Equal	H01.00	<i>Unspecified blepharitis</i>	Wide	9A01.3	Infectious blepharitis	Equal	No	Equal
Infectious conjunctivitis	C0497209	299699004	Infective conjunctivitis	Equal	H10.8	<i>Other conjunctivitis</i>	Wide	9A60.Y	<i>Other specified conjunctivitis</i>	Subgroup	Infectious conjunctivitis	Equal
Infectious crystalline keratopathy	C0339237	231909009	Infectious crystalline keratopathy	Equal	H18.9	<i>Unspecified disorder of cornea</i>	Wide	9A78.Z	<i>Certain specified disorders of the cornea, unspecified</i>	Wide	No	Wide
Infectious endophthalmitis	C1532322	414491002	Infectious endophthalmitis	Equal	H44.1	<i>Other endophthalmitis</i>	Wide	9C21	<i>Endophthalmitis</i>	Wide	No	Wide
Infectious epithelial keratitis	C4749790	771232003	Infectious epithelial keratitis	Equal	H16.8	<i>Other keratitis</i>	Wide	9A71	<i>Infectious keratitis</i>	Subgroup	Infectious epithelial keratitis	Equal
Infectious intermediate choroiditis	N/A	16553002	<i>Choroiditis</i>	Wide	H30	<i>Chorioretinal inflammation</i>	Wide	9B66.1	Infectious intermediate choroiditis	Equal	No	Equal
Infectious keratitis	C3898765	733312003	Keratitis caused by infection	Equal	H16.8	<i>Other keratitis</i>	Wide	9A71	Infectious keratitis	Equal	No	Equal
Infectious optic neuritis	C0029134	66760008	<i>Optic neuritis</i>	Wide	H46	<i>Optic neuritis</i>	Wide	9C40.0	<i>Infectious optic neuropathy</i>	Wide	No	Wide
Infectious panuveitis	C5230354	789116000	Infectious panuveitis	Equal	H44.11	<i>Panuveitis</i>	Wide	9C20.1	Infectious panuveitis	Equal	No	Equal
Infectious scleritis	C14444691	410578007	Infective scleritis	Equal	H15.09	<i>Other scleritis</i>	Wide	9B51	<i>Scleritis</i>	Wide	No	Wide
Infectious uveitis	C1444604	210477000	Infective uveitis	Equal	H44.11	<i>Panuveitis</i>	Wide	9C20.1	<i>Infectious panuveitis</i>	Narrow	No	Narrow
Infectious vitritis	C5208309	95802009	<i>Vitritis</i>	Wide	H43	<i>Disorders of vitreous body</i>	Wide	9B8Y	<i>Other specified disorders of the vitreous body</i>	Wide	No	Wide
Intermediate choroiditis	N/A	16553002	<i>Choroiditis</i>	Wide	H30	<i>Chorioretinal inflammation</i>	Wide	9B66	Intermediate choroiditis	Equal	No	Equal
Internal hordeolum	C0019919	414521009	Internal hordeolum	Equal	H00.02	Hordeolum internum	Equal	9A01.20	Hordeolum internum	Equal	No	Equal

Interstitial keratitis	C0155088	1763009	Interstitial keratitis	Equal	H16.30	Unspecified interstitial keratitis	Equal	9A78.Z	Certain specified disorders of the cornea, unspecified	Subgroup	Interstitial keratitis	Equal
Intraretinal schisis	C4023321	44268007	Retinoschisis	Equal	H33.10	Unspecified retinoschisis	Narrow	9B73.1	Retinoschisis	Equal	No	Equal
Iridocyclitis	C0022073	77971008	Iridocyclitis	Equal	H20	Iridocyclitis	Equal	9A96.Z	Anterior uveitis, unspecified	Subgroup	Iridocyclitis	Equal
Iris nodosa	N/A	12371008	Ophthalmia nodosa	Wide	H16.24	Ophthalmia nodosa	Wide	9C20.2	Purulent endophthalmitis	Wide	No	Wide
Iris papulosa	C1444597	410469004	Iris papulosa	Equal	H21.23	Degeneration of iris	Wide	9A90.1	Degeneration of iris	Wide	No	Wide
Iris roseola	C1444596	410468007	Iris roseola	Equal	H21.23	Degeneration of iris	Wide	9A90.1	Degeneration of iris	Wide	No	Wide
Iritis	C0022081	6507400	Iritis	Equal	H20	Iridocyclitis	Wide	9A96.Z	Anterior uveitis, unspecified	Subgroup	Iritis	Equal
Keratitis	C0022568	5888003	Keratitis	Equal	H16	Keratitis	Equal	9A7Y	Other specified disorders of the cornea	Subgroup	keratitis or keratoconjunctivitis	Equal
Keratitis due to syphilis	C0339233	19378600	Keratitis due to syphilis	Equal	H16.8	Other keratitis	Wide	1A6Z	Syphilis, unspecified	Subgroup	keratitis or keratoconjunctivitis in Syphilis	Equal
Keratitis follicularis	C0022595	48611009	Darier disease	Equal	L11.0	Acquired keratosis follicularis	Narrow	LC00.Y	Other specified keratinocytic epidermal hamartoma	Wide	No	Wide
Keratoconjunctivitis	C0022573	88151007	Keratoconjunctivitis	Equal	H16.2	Keratoconjunctivitis	Equal	9A7Y	Other specified disorders of the cornea	Wide	keratitis or keratoconjunctivitis	Wide
Keratoconjunctivitis due to acanthamoeba	C23830273	231896005	Acanthamoeba keratitis	Narrow	B60.13	Keratoconjunctivitis due to acanthamoeba	Equal	1F50/9A60.1	Keratoconjunctivitis due to Acanthamoeba	Equal	No	Equal
Keratouveitis	C1299910	370506009	Keratouveitis	Equal	H16	Keratitis	Wide	9A96.Z	Anterior uveitis, unspecified	Subgroup	Keratouveitis	Equal
Late syphilitic episcleritis	C2893359	860894002	Episcleritis due to late syphilis	Equal	A52.71	Late syphilitic oculopathy	Wide	1A62.20/9B50	Late syphilitic episcleritis	Equal	No	Equal
Late syphilitic oculopathy	C2893336	186842007	Late congenital syphilitic oculopathy	Narrow	A52.71	Late syphilitic oculopathy	Equal	1A60.2	Late congenital syphilitic oculopathy	Narrow	No	Narrow
Leber stellate neuroretinitis	C5396393	86609002	Leber idiopathic stellate neuroretinitis	Equal	H46	Optic neuritis	Wide	9C40.2	Neuroretinitis	Subgroup	Leber idiopathic stellate neuroretinitis	Equal
Leptospirosis uveitis	C1532134	410476009	Uveitis due to leptospirosis	Equal	H40	Iridocyclitis	Wide	9A96	Anterior uveitis	Wide	No	Wide
Listeria conjunctivitis	C0275684	29786001	Listeria conjunctivitis	Equal	H10	Conjunctivitis	Wide	9A60	Conjunctivitis	Wide	No	Wide
Loiasis	C0023968	44250009	Infection by Loa Loa	Equal	B74.3	Loiasis	Equal	1F66.0	Loiasis	Equal	No	Equal
Lyme conjunctivitis	C1444602	410475008	Lyme conjunctivitis	Equal	H10	Conjunctivitis	Wide	1C1G.12	Ophthalmic Lyme borreliosis	Wide	No	Wide
Lyme iridocyclitis	N/A	410473001	Lyme uveitis	Wide	H20	Iridocyclitis	Wide	1C1G.12	Ophthalmic Lyme borreliosis	Subgroup	Lyme iridocyclitis	Equal
Lyme keratitis	C1444601	410474007	Lyme keratitis	Equal	H16	Keratitis	Wide	1C1G.12	Ophthalmic Lyme borreliosis	Wide	No	Wide
Lyme uveitis	C1444600	410473001	Lyme uveitis	Equal	H20	Iridocyclitis	Wide	1C1G.12	Ophthalmic Lyme borreliosis	Subgroup	Lyme uveitis	Equal

Macular granuloma	C2074217/47	72776003	<i>Orbital granuloma</i>	<i>Wide</i>	H05.11	Granuloma of orbit	<i>Wide</i>	9A22.2	Granulomatous orbital inflammation	<i>Wide</i>	No	<i>Wide</i>
Marginal keratitis	C0521714	95730003	Marginal keratitis	Equal	H16	<i>Keratitis</i>	<i>Wide</i>	9A7Y	<i>Other specified disorders of the cornea</i>	<i>Wide</i>	No	<i>Wide</i>
Measles keratitis	C0276335	28463004	Measles keratitis	Equal	B05.81	<i>Measles keratitis and keratoconjunctivitis</i>	<i>Narrow</i>	1F03.Y	<i>Measles with other complications</i>	<i>Subgroup</i>	Keratitis and keratoconjunctivitis in measles	Equal
Measles keratoconjunctivitis	C0153052	60013002	Measles keratoconjunctivitis	Equal	B05.81	<i>Measles keratitis and keratoconjunctivitis</i>	<i>Narrow</i>	1F03.Y	<i>Measles with other complications</i>	<i>Subgroup</i>	Keratitis and keratoconjunctivitis in measles	Equal
Membranous conjunctivitis	C0311343	102451006	Membranous conjunctivitis	Equal	H10	<i>Conjunctivitis</i>	<i>Wide</i>	9A60	<i>Conjunctivitis</i>	<i>Subgroup</i>	Pseudomembranous conjunctivitis	Equal
Meningococcal conjunctivitis	C0686709	94151004	Meningococcal conjunctivitis	Equal	H10	<i>Conjunctivitis</i>	<i>Wide</i>	1C1C.Y	<i>Other specified meningococcal disease</i>	<i>Subgroup</i>	Meningococcal conjunctivitis	Equal
Meningococcal optic neuritis	C01529662	73431005	Meningococcal optic neuritis	Equal	A39.82	Meningococcal retrobulbar neuritis	Equal	9C40.10	<i>Retrobulbar neuritis</i>	<i>Wide</i>	No	<i>Wide</i>
Metaherpetic ulcers	N/A	5888003	<i>Keratitis</i>	<i>Wide</i>	H16	<i>Keratitis</i>	<i>Wide</i>	9A74	<i>Neurotrophic keratitis</i>	<i>Subgroup</i>	Neurotrophic keratitis, metaherpetic ulcers	Equal
Mooren's ulcer	C0155072	22440001	Mooren's ulcer	Equal	H16.05	Mooren's corneal ulcer	Equal	9A76	<i>Corneal ulcer</i>	<i>Subgroup</i>	Mooren's ulcer	Equal
Mucopurulent conjunctivitis	C0009768	243462001	Mucopurulent conjunctivitis	Equal	H10.0	Mucopurulent conjunctivitis	Equal	9A60.3	Mucopurulent conjunctivitis	Equal	No	Equal
Multifocal retinitis	N/A	399463004	<i>Retinitis</i>	<i>Wide</i>	H30	<i>Chorioretinal inflammation</i>	<i>Wide</i>	9B72.Z	<i>Inflammatory diseases of the retina, unspecified</i>	<i>Wide</i>	No	<i>Wide</i>
Multiple evanescent white dot syndrome	C0730322	312951006	Multiple evanescent white dot syndrome	Equal	H30	<i>Chorioretinal inflammation</i>	<i>Wide</i>	9B65.0	<i>Noninfectious posterior choroiditis</i>	<i>Subgroup</i>	Multiple evanescent white dot syndrome	Equal
Mycobacterial keratitis	C1960555	425618009	Mycobacterial keratitis	Equal	A18.52	<i>Tuberculous keratitis</i>	<i>Narrow</i>	1B12.1	<i>Tuberculosis of eye</i>	<i>Wide</i>	No	<i>Wide</i>
Mycobacterium tuberculosis panuveitis	C5396740	870333003	Panuveitis caused by mycobacterium tuberculosis	Equal	H44.11	<i>Panuveitis</i>	<i>Wide</i>	1B12.1	<i>Tuberculosis of eye</i>	<i>Wide</i>	No	<i>Wide</i>
Mycotic corneal ulcer	C0155071	397977001	Mycotic corneal ulcer	Equal	H16.06	Mycotic corneal ulcer	Equal	9A76	<i>Corneal ulcer</i>	<i>Subgroup</i>	Mycotic corneal ulcer	Equal
Mycotic keratitis due to fusarium	C0276760	45194000	Mycotic keratitis due to fusarium	Equal	H16.8	<i>Other keratitis</i>	<i>Wide</i>	9A71	<i>Infectious keratitis</i>	<i>Wide</i>	No	<i>Wide</i>
Necrotizing herpetic retinopathy	C1282534	315288007	Necrotizing herpetic retinopathy	Equal	H35.00	<i>Unspecified background retinopathy</i>	<i>Wide</i>	9B71	<i>Retinopathy</i>	<i>Wide</i>	No	<i>Wide</i>
Neuroretinitis	C0154874	410471004	Neuroretinitis	Equal	H30	<i>Chorioretinal inflammation</i>	<i>Wide</i>	9C40.2	Neuroretinitis	Equal	No	Equal
Neurotrophic keratopathy	C0339296	128080005	Neurotrophic keratitis	Equal	H16.23	<i>Neurotrophic keratoconjunctivitis</i>	<i>Narrow</i>	1F00.10	<i>Herpes simplex keratitis(It is Subgroup)</i>	<i>Subgroup</i>	Neurotrophic keratopathy	Equal
Nodular episcleritis	C0155325	70558001	Nodular episcleritis	Equal	H15.12	Nodular episcleritis	Equal	9B50	<i>Episcleritis</i>	<i>Subgroup</i>	Nodular episcleritis	Equal
Nodular scleritis	C0339194	95195003	Nodular scleritis	Equal	H15.0	<i>Scleritis</i>	<i>Wide</i>	9B51	<i>Scleritis</i>	<i>Wide</i>	No	<i>Wide</i>

Ocular bartonellosis	N/A	410472006	<i>Bartonella henselae</i> neuroretinitis	Narrow	A44	Bartonellosis	Wide	1C11.Y	Other form of bartonellosis	Wide	No	Wide
Ocular histoplasmosis syndrome	C1562543	415770009	Ocular histoplasmosis syndrome	Equal	B39	Histoplasmosis	Wide	1F2A.Y	Other specified histoplasmosis	Wide	No	Wide
Ocular nocardiosis	N/A	29227009	Nocardiosis	Wide	A43.8	Other form of nocardiosis	Wide	1C1B.Y	Other specified forms of nocardiosis	Wide	No	Wide
Ocular toxocariasis	C0040553	240866006	Ocular toxocariasis	Equal	B83.0	Visceral larva migrans	Wide	1F6D	Toxocariasis	Wide	No	Wide
Ocular toxoplasmosis	C0040561	416481006	Ocular toxoplasmosis	Equal	B58.8	Toxoplasmosis with other organ involvement	Wide	1F57.3	Eye disease due to Toxoplasma gondii	Equal	No	Equal
Onchocerca chorioretinitis	C0339415	231992006	Onchocerca chorioretinitis	Equal	B73.00	Onchocerciasis with eye involvement, unspecified	Wide	1F6A.0	Onchocerciasis of the eye	Wide	No	Wide
Onchocerciasis endophthalmitis	C1396619	57100005	Parasitic endophthalmitis	Wide	B73.01	Onchocerciasis with endophthalmitis	Equal	1F6A.0	Onchocerciasis of the eye	Subgroup	Onchocerciasis endophthalmitis	Equal
Optic neuritis	C0029134	66760008	Optic neuritis	Equal	H46	Optic neuritis	Equal	9C40.1	Optic neuritis	Equal	No	Equal
Orbital abscess	C0271331	39828002	Abscess of orbit	Equal	H05	Disorders of orbit	Wide	9A21.2	Orbital abscess	Equal	No	Equal
Orbital cellulitis	C0149507	194005002	Orbital cellulitis	Equal	H05.01	Cellulitis of orbit	Equal	9A01.0	Orbital cellulitis	Equal	No	Equal
Orbital mucormycosis	C1301527	397562003	Orbital mucormycosis	Equal	B46.1	Rhinocerebral mucormycosis	Wide	1F2C	Mucormycosis	Wide	No	Wide
Panophthalmitis	C0030332	33382000	Panophthalmitis	Equal	H44.01	Panophthalmitis (acute)	Narrow	9C20.2	Purulent endophthalmitis	Subgroup	Panophthalmitis	Equal
Panuveitis	C0030343	75614007	Panuveitis	Equal	H44.11	Panuveitis	Equal	9C20	Panuveitis	Equal	No	Equal
Papillary conjunctivitis	C0854165	416878008	Papillary conjunctivitis	Equal	H10.41	Chronic giant papillary conjunctivitis	Narrow	9A60.0	Papillary conjunctivitis	Equal	No	Equal
Papilledema	C0030353	15731521000119100 / 15731561000119100	Papilledema of right/left eye	Equal	H47.1	Papilledema	Equal	9C40.A0	Papilloedema	Equal	No	Equal
Papillitis	C2881208	73221001	Optic papillitis	Equal	H46.0	Optic papillitis	Equal	9C40.1Y	Other specified optic neuritis	Wide	Papillitis NOS	Wide
Parasitic chorioretinitis	C2937242	359698000	Parasitic chorioretinitis	Equal	H30	Chorioretinal inflammation	Wide	9B65.2	Chorioretinal inflammation	Subgroup	Chorioretinal inflammation in infectious and parasitic disease classified elsewhere	Equal
Parasitic choroiditis	C0339413	359695002	Parasitic choroiditis	Equal	H30	Chorioretinal inflammation	Wide	9B65	Choroiditis	Wide	No	Wide
Parasitic conjunctivitis	C0155148	13816006	Parasitic conjunctivitis	Equal	H10.8	Other conjunctivitis	Wide	9A71	Infectious keratitis	Subgroup	Keratitis and keratoconjunctivitis in other infectious and parasitic disease classified elsewhere	Equal
Parasitic endophthalmitis	C0014238	57100005	Parasitic endophthalmitis	Equal	H44.12	Parasitic endophthalmitis, unspecified	Equal	9C21.Y	Other specified endophthalmitis	Subgroup	Parasitic endophthalmitis	Equal
Parasitic panuveitis	C5396737	870330000	Panuveitis caused by parasite	Equal	H44.11	Panuveitis	Wide	9C20.1	Infectious panuveitis	Subgroup	Parasitic panuveitis	Equal

Parinaud oculoglandular syndrome	C1409213	37991008	Parinaud syndrome	Wide	H10.8	Other conjunctivitis	Wide	9A60.Y	Other specified conjunctivitis	Subgroup	Parinaud oculoglandular syndrome	Equal
Parinaud syndrome	C0152222	37991008	Parinaud syndrome	Equal	H51.0	Palsy (spasm) of conjugate gaze	Wide	9C83.01	Vertical gaze palsy	Subgroup	Parinaud syndrome	Equal
Pars planitis	C0030593	45688009	Pars planitis	Equal	H20.9	Cyclitis	Wide	9B66.0	Noninfectious intermediate choroiditis	Subgroup	Pars planitis	Equal
Phthiriasis palpebrum	C1274549	403143009	Phthiriasis of eyelashes	Equal	B85.3	Phthiriasis	Equal	1G03	Phthiriasis	Equal	No	Equal
Pneumocystis jirovecii choroiditis	C0339416	443201006	Pneumocystis jirovecii choroiditis	Equal	H30	Chorioretinal inflammation	Wide	9B65	Choroiditis	Wide	No	Wide
Posterior blepharitis	N/A	41446000	Blepharitis	Wide	H01.0	Blepharitis	Wide	9A02.1	Posterior blepharitis	Equal	No	Equal
Posterior scleritis	C0155357	267660007	Posterior scleritis	Equal	H15.03	Posterior scleritis	Equal	9B51	Scleritis	Subgroup	Posterior scleritis	Equal
Posterior uveitis	C0042167	43363007	Posterior uveitis	Equal	H20	Iridocyclitis	Wide	9B65.Z	Choroiditis, unspecified	Subgroup	Posterior uveitis	Equal
Postoperative infectious endophthalmitis	C1444624	410497005	Postoperative infectious endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	9B72.Y	Other specified inflammatory diseases of the retina	Wide	No	Wide
Preseptal cellulitis	C1282208	314516007	Preseptal cellulitis	Equal	L03.213	Periorbital cellulitis	Narrow	9A01.0	Preseptal cellulitis	Equal	No	Equal
Primary ocular tuberculosis	N/A	49107007	Ocular tuberculosis	Wide	A18.5	Tuberculosis of eye	Wide	1B12.1	Tuberculosis of eye	Wide	No	Wide
Progressive outer retinal necrosis	C0730302	312933005	Progressive outer retinal necrosis	Equal	H30	Chorioretinal inflammation	Wide	9B65.1	Infectious posterior choroiditis	Subgroup	Progressive outer retinal necrosis	Equal
Propionibacterium acnes endophthalmitis	C1533046	415182001	Propionibacterium acnes endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	9B72.Y	Other specified inflammatory diseases of the retina	Wide	No	Wide
Punctate keratitis	C0259799	338411000119106/332801000119108	Left/right punctate keratitis	Equal	H16.14	Punctate keratitis	Equal	9A78.Z	Certain disorders of cornea, unspecified	Subgroup	Punctate keratitis	Equal
Punctate outer retinal toxoplasmosis	C1532019	415218004	Punctate outer retinal toxoplasmosis	Equal	B58.8	Toxoplasmosis with other organ involvement	Wide	1F57.3	Eye disease due to Toxoplasma gondii	Wide	No	Wide
Purulent conjunctivitis	C0009768	243321006	Purulent conjunctivitis	Equal	H10.0	Mucopurulent conjunctivitis	Narrow	9A60.3	Mucopurulent conjunctivitis	Equal	No	Equal
Purulent endophthalmitis	C0259800	4172003	Purulent endophthalmitis	Equal	H44.0	Purulent endophthalmitis	Equal	9C20.2	Purulent endophthalmitis	Equal	No	Equal
Pyogenic granuloma of eye	N/A	200722003	Pyogenic granuloma	Wide	L98.0	Pyogenic granuloma	Wide	9C20.2	Purulent endophthalmitis	Wide	No	Wide
Retinal vasculitis	C0152026	77628002	Retinal vasculitis	Equal	H35.06	Retinal vasculitis	Equal	9B78.12	Retinal vasculitis	Equal	No	Equal
Retinitis	C0035333	399463004	Retinitis	Equal	H30	Chorioretinal inflammation	Narrow	9B72.Z	Inflammatory diseases of the retina, unspecified	Subgroup	Retinitis NOS	Equal
Retrolubar neuritis	C0085582	230507009	Retrolubar neuritis	Equal	H46.1	Retrolubar neuritis	Equal	9C40.10	Retrolubar neuritis	Equal	No	Equal
Rhino-orbito-cerebral mucormycosis	C0348802	397562003	Orbital mucormycosis	Narrow	B46.1	Rhinocerebral mucormycosis	Wide	1F2C	Mucormycosis	Wide	No	Wide

Roth spot	C0240916	95688008	Roth spots	Equal	H35.6	Retinal hemorrhage	Wide	9B78.5	Retinal hemorrhage	Wide	No	Wide
Rubella retinopathy	C0339408	231985001	Rubella retinopathy	Equal	H30	Chorioretinal inflammation	Wide	9B72.Y	Other specified inflammatory diseases of the retina	Wide	No	Wide
Rubeola retinopathy	C1563255	417145006	Rubeola retinopathy	Equal	H30	Chorioretinal inflammation	Wide	9B72.Y	Other specified inflammatory diseases of the retina	Wide	No	Wide
Scleral abscess	C0271402	50675000	Scleral abscess	Equal	H15	Disorders of sclera	Wide	9B51	Scleritis(Subgroup)	Subgroup	Scleral abscess	Equal
Scleritis	C0036416	78370002	Scleritis	Equal	H15.0	Scleritis	Equal	9B51	Scleritis	Equal	No	Equal
Scleroconjunctivitis	C1409550	9826008	Conjunctivitis	Wide	H10	Conjunctivitis	Wide	9A60	Conjunctivitis	Subgroup	Scleroconjunctivitis	Equal
Sclerosing keratitis	C0155090	27886001	Sclerosing keratitis	Equal	H16.33	Sclerosing keratitis	Equal	9A78.A	Sclerosing keratitis	Equal	No	Equal
Sclerouveitis	C0521677	95680001	Sclerouveitis	Equal	H15.0	Scleritis	Wide	9B51	Scleritis	Wide	No	Wide
Secondary infectious iridocyclitis	C0154911	193487008	Secondary infected iridocyclitis	Equal	H20.03	Secondary infectious iridocyclitis	Equal	9A96.Z	Anterior uveitis, unspecified	Wide	No	Wide
Secondary infectious uveitis	C3536575	4.34391E+14	Secondary infected uveitis	Equal	H20.03	Secondary infectious iridocyclitis	Wide	9A96.Y	Other specified anterior uveitis	Wide	No	Wide
Secondary syphilitic chorioretinitis	C0153145	66281009	Secondary syphilitic chorioretinitis	Equal	H30	Chorioretinal inflammation	Wide	9B65.2	Chorioretinal inflammation	Subgroup	Secondary infectious anterior uveitis	Equal
Secondary syphilitic iridocyclitis	C0153146	3008002	Secondary syphilitic iridocyclitis	Equal	H20.03	Secondary infectious iridocyclitis	Wide	1A61.4/9A96.2	Secondary syphilitic anterior uveitis	Subgroup	Secondary syphilitic iridocyclitis	Equal
Secondary syphilitic oculopathy	C2893334	1052322008	Secondary syphilis of eye	Equal	A51.43	Secondary syphilitic oculopathy	Equal	1A61.4	Secondary syphilis of other sites	Wide	No	Wide
Secondary syphilitic uveitis	C0275836	186854007	Uveitis due to secondary syphilis	Equal	A51.43	Secondary syphilitic oculopathy	Wide	1A61.4/9A96.2	Secondary syphilitic anterior uveitis	Narrow	No	Narrow
Serous conjunctivitis	C0339159	193859006	Serous conjunctivitis	Equal	H10.23	Serous conjunctivitis, except viral	Narrow	9A60.6	Serous conjunctivitis, except viral	Narrow	No	Narrow
Serpiginous choroiditis	C0729842	312491004	Serpiginous choroiditis	Equal	H30	Chorioretinal inflammation	Wide	9B65.0	Noninfectious posterior choroiditis	Subgroup	Serpiginous choroiditis	Equal
Simple episcleritis	C0339192	231873005	Simple episcleritis	Equal	H15.1	Episcleritis	Wide	9B50	Episcleritis	Wide	No	Wide
Solitary raised chorioretinal lesion	C0423441	247189002	Solitary raised chorioretinal lesion	Equal	H31.0	Chorioretinal scar	Wide	9B62	Chorioretinal scar	Wide	No	Wide
Staphylococcal blepharitis	C0241812	278808000	Staphylococcal blepharitis	Equal	H01.009	Blepharitis (angularis)	Equal	9A60.4	Blepharoconjunctivitis	Wide	No	Wide
Stellate keratitis	C0271262	70615006	Stellate keratitis	Equal	H16	Keratitis	Wide	9A78.Z	Certain specified disorders of cornea, unspecified	Subgroup	Stellate keratitis	Equal
Stye	C0019919	193912000	Stye	Equal	H00	Hordeolum and chalazion	Wide	9A01.20	Hordeolum externum	Subgroup	Stye	Equal

Subacute iridocyclitis	C5441519	1144419002	Subacute iridocyclitis	Equal	H20.0	Acute and subacute iridocyclitis	Narrow	9A96.Y	Other specified anterior uveitis	Subgroup	Subacute iridocyclitis	Equal
Subperiosteal orbit abscess	C1960657	427692005	Subperiosteal abscess of orbit	Equal	H05.01	Cellulitis of orbit	Wide	9A21.1	Orbital subperiosteal abscess	Equal	No	Equal
Superficial keratitis	C0155074	2701900	Superficial keratitis	Equal	H16.10	Unspecified superficial keratitis	Equal	9A78.Z	Certain specified disorders of cornea, unspecified	Subgroup	Superficial keratitis NOS	Equal
Superficial scleritis	C0521767	95795006	Superficial scleritis	Equal	H15.0	Scleritis	Wide	9B51	Scleritis	Wide	No	Wide
Syphilitic chorioretinitis	C0238057	312934004	Syphilitic chorioretinitis	Equal	A50.32	Late congenital syphilitic chorioretinitis	Narrow	1A62.20	Ocular late syphilis	Wide	No	Wide
Syphilitic choroiditis	C3840052	3.31151E+14	Syphilitic choroiditis	Equal	A52.71	Late syphilitic aculopathy	Wide	1A60.0/9B65.1	Congenital syphilitic choroiditis	Wide	No	Wide
Syphilitic disseminated retinochoroiditis	C0153170	77939001	Syphilitic disseminated retinochoroiditis	Equal	A52.71	Late syphilitic aculopathy	Wide	1A60.0/9B65.2	Congenital syphilitic choroiditis	Wide	No	Wide
Syphilitic episcleritis	C0153176	11338007	Syphilitic episcleritis	Equal	A52.71	Late syphilitic oculopathy	Wide	1A62.20/9B50	Late syphilitic episcleritis	Narrow	No	Narrow
Syphilitic interstitial keratitis	C0153131	44568006	Syphilitic interstitial keratitis	Equal	A50.31	Late congenital syphilitic interstitial keratitis	Narrow	1A60.2	Late congenital syphilitic oculopathy	Wide	No	Wide
Syphilitic retinitis	C1444598	410470003	Syphilitic retinitis	Equal	A50.71	Late syphilitic oculopathy	Wide	1A6Z	Syphilis unspecified	Subgroup	Intestinal keratitis and keratoconjunctivitis in syphilis	Equal
Syphilitic uveitis	C5567809	70983007	Secondary syphilitic uveitis	Narrow	A50.71	Late syphilitic oculopathy	Wide	1A62.20/9A96.2	Syphilitic uveitis	Equal	No	Equal
Tertiary syphilitic chorioretinitis	C0730327	312955002	Tertiary syphilitic chorioretinitis	Equal	A50.71	Late syphilitic oculopathy	Wide	1A60.0/9B65.2	Congenital syphilitic choroiditis	Wide	No	Wide
Toxocara chorioretinitis	C0339417	231994007	Toxocara chorioretinitis	Equal	H30	Chorioretinal inflammation	Wide	1F6D	Toxocariasis	Wide	No	Wide
Toxocara endophthalmitis	C1532408	415737009	Toxocara endophthalmitis	Equal	H44.1	Other endophthalmitis	Wide	16FD	Toxocariasis	Subgroup	Toxocara endophthalmitis	Equal
Toxoplasma choroiditis	C2830053	3.31E+14	Toxoplasma choroiditis	Equal	B58.01	Toxoplasma chorioretinitis	Wide	1F57.3/9B65.2	Toxoplasma chorioretinitis	Wide	No	Wide
Toxoplasma retinitis	C0748386	416589006	Toxoplasma retinitis	Equal	B58.01	Toxoplasma chorioretinitis	Wide	1F57.3/9B65.2	Toxoplasma chorioretinitis	Wide	No	Wide
Toxoplasma uveitis	C2830266	15992991000119100 / 15992951000119100	Uveitis of left/right eye due to Toxoplasma gondii	Equal	B58.8	Toxoplasmosis with other organ involvement	Wide	1F57.3/9B65.1	Toxoplasma posterior uveitis	Narrow	No	Narrow
Toxoplasmosis chorioretinitis	C0153308	187194004	Toxoplasmosis chorioretinitis	Equal	B58.01	Toxoplasma chorioretinitis	Equal	1F57.3/9B65.2	Toxoplasma chorioretinitis	Equal	No	Equal
Trabeculitis	C1444626	410499008	Trabeculitis	Equal	H20	Iridocyclitis	Wide	9A96.Z	Anterior uveitis, unspecified	Wide	No	Wide
Trachoma	C0040592	2576002	Trachoma	Equal	A71	Trachoma	Equal	1C23	Trachoma	Equal	No	Equal
Trachomatous dacryocystitis	C1394669	85777005	Dacryocystitis	Narrow	A71.1	Active stage of trachoma	Wide	9A11.2	Dacryocystitis	Wide	No	Wide
Trachomatous follicular conjunctivitis	c0276103	27020006	Trachomatous follicular conjunctivitis	Equal	H10.01 / H10.43	Acute/chronic follicular conjunctivitis	Wide	1C23.1	Active stage of trachoma	Subgroup	Trachomatous follicular conjunctivitis	Equal

Trachomatous keratitis	C1401581	55555001	<i>Trachomatous pannus</i>	<i>Narrow</i>	H16.8	Other keratitis	<i>Wide</i>	1C23.1	Active stage of trachoma	<i>Subgroup</i>	Trachomatous keratitis	Equal
Treponema pallidum panuveitis	C5396738	870331001	Panuveitis caused by Treponema pallidum	Equal	H44.11	<i>Panuveitis</i>	<i>Wide</i>	9C20	<i>Panuveitis</i>	<i>Wide</i>	No	<i>Wide</i>
Tuberculosis chronic iridocyclitis	C0275947	186266008	Tuberculous chronic iridocyclitis	Equal	A18.54	<i>Tuberculous iridocyclitis</i>	<i>Wide</i>	1B12.1/9A96.2	Chronic tuberculous iridocyclitis	Equal	No	Equal
Tuberculosis disseminated chorioretinitis	C0275944	48225000	Tuberculous disseminated chorioretinitis	Equal	A18.53	<i>Tuberculous chorioretinitis</i>	<i>Wide</i>	1B12.1/9B65.2	Tuberculous chorioretinitis	Equal	No	Equal
Tuberculosis panophthalmitis	N/A	33382000	<i>Panophthalmitis</i>	<i>Wide</i>	H44.01	<i>Panophthalmitis (acute)</i>	<i>Wide</i>	9C20.2	<i>Purulent endophthalmitis</i>	<i>Wide</i>	No	<i>Wide</i>
Tuberculosis retinitis	C1407691	95685006	<i>Granulomatous retinitis</i>	<i>Wide</i>	A18.53	<i>Tuberculous chorioretinitis</i>	<i>Narrow</i>	1B12.1/9B65.2	<i>Tuberculous chorioretinitis</i>	<i>Wide</i>	No	<i>Wide</i>
Tuberculous chorioretinitis	C0339410	186263000	Tuberculous chorioretinitis	Equal	A18.53	Tuberculous chorioretinitis	Equal	1B12.1/9B65.2	Tuberculous chorioretinitis	Equal	No	Equal
Tuberculous episcleritis	C0275945	84288007	Tuberculous episcleritis	Equal	A18.51	Tuberculous episcleritis	Equal	1B12.1/9B50	Tuberculous episcleritis	Equal	No	Equal
Tuberculous uveitis	C1281935	314029000	Tuberculous uveitis	Equal	A18.54	<i>Tuberculous iridocyclitis</i>	<i>Wide</i>	1B12.1/9A96.2	<i>Tuberculous anterior uveitis</i>	<i>Narrow</i>	No	<i>Narrow</i>
Uveitis	C0042164	128473001	Uveitis	Equal	H20	<i>Iridocyclitis</i>	<i>Narrow</i>	9A96	<i>Anterior uveitis</i>	<i>Subgroup</i>	Uveitis NOS	Equal
Varicella zoster conjunctivitis	N/A	410509003	Herpes zoster conjunctivitis	Equal	B02.31	Zoster conjunctivitis	Equal	1E91.1	<i>Ophthalmic zoster</i>	<i>Wide</i>	No	<i>Wide</i>
Varicella zoster dermatoblepharitis	N/A	41446000	<i>Blepharitis</i>	<i>Wide</i>	B02.39	<i>Other herpes zoster eye disease</i>	<i>Wide</i>	1E91.1/9A01.3	Zoster infection of eyelid	Equal	No	Equal
Varicella zoster Keratitis	N/A	397573005	Herpes zoster keratitis	Equal	B02.33	Zoster keratitis	Equal	1E91.1	<i>Ophthalmic zoster</i>	<i>Wide</i>	No	<i>Wide</i>
Viral conjunctivitis	C0009774	45261009	Viral conjunctivitis	Equal	B30	Viral conjunctivitis	Equal	1D84	Viral conjunctivitis	Equal	No	Equal
Viral keratitis	C0847226	314020001	Viral keratitis	Equal	H16.8	<i>Other keratitis</i>	<i>Wide</i>	9A71	<i>Infectious keratitis</i>	<i>Subgroup</i>	Viral keratitis	Equal
Viral retinitis	C0339406	231984002	Viral retinitis	Equal	H30	<i>Chorioretinal inflammation</i>	<i>Wide</i>	9B72.0	Viral retinitis	Equal	No	Equal
Viral uveitis	C5567796	1.28E+08	<i>Uveitis</i>	<i>Wide</i>	H20	<i>Iridocyclitis</i>	<i>Wide</i>	9C20.1	<i>Infectious panuveitis</i>	<i>Wide</i>	No	<i>Wide</i>
Virus panuveitis	C5396736	870329005	Panuveitis caused by virus	Equal	H44.11	<i>Panuveitis</i>	<i>Wide</i>	9C20.1	<i>Infectious panuveitis</i>	<i>Subgroup</i>	Other viral panuveitis	Equal
Vitreous abscess	C0042904	48142003	Vitreous abscess	Equal	H44.02	<i>Vitreous abscess (chronic)</i>	<i>Narrow</i>	9C20.2	<i>Purulent endophthalmitis</i>	<i>Subgroup</i>	Vitreous abscess	Equal
Vitritis	C0235812	95802009	Vitritis	Equal	H43	<i>Disorders of vitreous body</i>	<i>Wide</i>	9B8Y	<i>Other specified disorders of the vitreous body</i>	<i>Wide</i>	No	<i>Wide</i>
West Nile virus chorioretinitis	N/A	46627006	<i>Chorioretinitis</i>	<i>Wide</i>	H30	<i>Chorioretinal inflammation</i>	<i>Wide</i>	9B65.2	<i>Chorioretinal inflammation</i>	<i>Wide</i>	No	<i>Wide</i>
Zika virus chorioretinitis	N/A	46627006	<i>Chorioretinitis</i>	<i>Wide</i>	H30	<i>Chorioretinal inflammation</i>	<i>Wide</i>	9B65.2	<i>Chorioretinal inflammation</i>	<i>Wide</i>	No	<i>Wide</i>
Zygomycosis	C0043541	59277005	Zygomycosis	Equal	B46	Zygomycosis	Equal	1F2C	<i>Mucormycosis</i>	<i>Subgroup</i>	Zygomycosis	Equal

UMLS = Unified Medical Language System; SNOMED-CT = Systemized Nomenclature of Medicine Clinical Terms; ICD-10-CM=International Classification of Diseases, version 10 Clinical Modification; ICD-11=International Classification of Diseases, version 11

Table S3 includes all the ophthalmic infection concepts found in the BCSC book and the codes in the different data sets.