### MIPS Program: 2021 Cataract Episode-Based Cost Measure

#### What Are Episode-Based Cost Measures?

Episode-based cost measures seek to measure the total costs of caring for a patient related to a specific "episode" of care, such as a surgical procedure or inpatient hospital stay for a particular condition. For procedural episodes, such as the cataract surgery measure, which were implemented in 2019, the measure includes the cost of pre-op care, the surgery itself, the facility payment, anesthesia costs, and any separately billable services furnished in the global period, such as the cost of surgery related to complications. Cost calculations are based on the allowed charge. Some measures may include separately payable drugs. In the case of the cataract surgery measure, there are several drugs used post-operatively to treat endophthalmitis, as well as one drug that can be used during cataract surgery to maintain pupil dilation and for post-operative pain that are included in the measure. These drugs will be updated on an annual basis. Currently, there are no pass-through drugs included. ASCRS ASOA opposes the inclusion of any drug on pass-through in the episode measure.

ASCRS ASOA opposes the inclusion of drugs on pass-through because it defeats the purpose of pass-through to provide separate payment for certain higher-cost new and innovative drugs administered during a surgical procedure and to provide time to introduce the drug into the marketplace. Following the three-year pass-through period, CMS measures the utilization of the drug, adjusts the facility fee using a formula to account for the cost of the drug based on its usage and other factors, and typically bundles the drug into the facility fee. ASCRS ASOA believes including pass-through drugs in the episode measure will inappropriately influence the utilization data for new drugs.

To be scored on the cataract episode measure, a surgeon must have at least 10 attributed cases. The episode measure is scored based on a surgeon's total cost related to the cataract surgery, compared to a national average, and awarded points based on a 10-point scale.

Episode-based measures were developed as an alternative to existing population-based, or all-cost, measures, such as total per capita costs (TPCC) and Medicare spending per beneficiary (MSPB), which were first used in the Value-Based Modifier Program and continued into MIPS. Population-based measures seek to measure the total cost of care for a patient in a year and may hold physicians responsible for the cost of care they did not provide. As a result of our advocacy, CMS has removed ophthalmologists and optometrists from attribution to the TPCC measure.

As an alternative to population-based measures, ASCRS ASOA and others in the medical community have long advocated for the development of episode-based measures to ensure that physicians are only evaluated on the costs of care that they can influence. ASCRS participated in a technical expert panel that provided input in the measure and was successful in ensuring accurate attribution, risk adjustment, and sub-grouping to compare surgeries performed in ASCs and HOPDs separately, as well as whether one eye was operated on in the global period or both eyes.

#### **Cataract Episode-Based Measure Reporting Requirements**

Similar to other Cost measures, physicians do not need to submit separate data for the cataract episode measure. CMS will determine scores through administrative claims.

#### **Cataract Episode-Based Measure Attribution**

Ophthalmologists will be attributed the cataract surgery episode measure if they perform uncomplicated cataract surgery on a Medicare Part B patient during the performance year. This includes only surgeries billed with CPT code 66984. No other cataract surgeries, such as 66982, complex cataract surgery, will be included in the measure.

Surgeons must have at least 10 cases that meet the attribution criteria to be attributed and scored on this measure.

In addition, ASCRS was successful in advocating for excluding any patients with significant ocular co-morbidities from this measure. These co-morbidity exclusions are identical to the exclusionary criteria for the cataract quality measure 191, 20/40 or Better Visual Acuity 90 Days following Cataract Surgery.

Any patient that has any of the following diagnoses will not be included in the cataract episode cost measure:

Significant Ocular Condition	Corresponding ICD-10-CM Codes	
Acute and Subacute Iridocyclitis	H20.00, H20.011, H20.012, H20.013, H20.021, H20.022, H20.023, H20.031, H20.032, H20.033, H20.041, H20.042, H20.043, H20.051, H20.052, H20.053	
Amblyopia	H53.001, H53.002, H53.003, H53.011, H53.012, H53.013, H53.021, H53.022, H53.023, H53.031, H53.032, H53.033, H53.041, H53.042, H53.043	
Burn Confined to Eye and Adnexa	T26.01XA, T26.02XA, T26.11XA, T26.12XA, T26.21XA, T26.22XA, T26.31XA, T26.32XA, T26.41XA, T26.42XA, T26.51XA, T26.52XA, T26.61XA, T26.62XA, T26.71XA, T26.72XA, T26.81XA, T26.82XA, T26.91XA, T26.92XA	
Cataract Secondary to Ocular Disorders	H26.211, H26.212, H26.213, H26.221, H26.222, H26.223	
Central Corneal Ulcer	H16.011, H16.012, H16.013	
Certain Types of Iridocyclitis	H20.21, H20.22, H20.23, H20.811, H20.812, H20.813, H20.821, H20.822, H20.823, H20.9	
Chorioretinal Scars	H31.001, H31.002, H31.003, H31.011, H31.012, H31.013, H31.021, H31.022, H31.023, H31.091, H31.092, H31.093	
Choroidal Degenerations	H35.33	
Choroidal Detachment	H31.411, H31.412, H31.413	
Choroidal Hemorrhage and Rupture	H31.301, H31.302, H31.303, H31.311, H31.312, H31.313, H31.321, H31.322, H31.323	
Chronic Iridocyclitis	A18.54, H20.11, H20.12, H20.13, H20.9	
Cloudy Cornea	H17.01, H17.02, H17.03, H17.11, H17.12, H17.13, H17.811, H17.812, H17.813, H17.821, H17.822, H17.823	
Corneal Edema	H18.11, H18.12, H18.13, H18.20, H18.221, H18.222, H18.223, H18.231, H18.232, H18.233, H18.421, H18.422, H18.423, H18.43	
Corneal Opacity and Other Disorders of Cornea	H17.01, H17.02, H17.03, H17.11, H17.12, H17.13, H17.89, H17.9	
Degeneration of Macula and	H35.30, H35.3110, H35.3111, H35.3112, H35.3113, H35.3114, H35.3120, H35.3121, H35.3122,	
Posterior Pole	H35.3123, H35.3124, H35.3130, H35.3131, H35.3132, H35.3133, H35.3134, H35.3210, H35.3211, H35.3212, H35.3213, H35.3220, H35.3221, H35.3222, H35.3223, H35.3230, H35.3231, H35.3232, H35.3233, H35.341, H35.342, H35.343, H35.351, H35.352, H35.353, H35.361, H35.362, H35.363, H35.371, H35.372, H35.373, H35.381, H35.382, H35.383	
Degenerative Disorders of Globe	H44.2A1, H44.2A2, H44.2A3, H44.2B1, H44.2B2, H44.2B3, H44.2C1, H44.2C2, H44.2C3, H44.2D1, H44.2D2, H44.2D3, H44.2E1, H44.2E2, H44.21, H44.22, H44.23, H44.311, H44.312, H44.313, H44.321, H44.322, H44.323, H44.323, H44.393	
Diabetic Macular Edema	E08.311, E08.3211, E08.3212, E08.3213, E08.3311, E08.3312, E08.3313, E08.3411, E08.3412, E08.3413, E08.3511, E08.3512, E08.3513, E08.3521, E08.3522, E08.3523, E08.3523, E08.3531, E08.3532, E08.3533, E08.3541, E08.3542, E08.3543, E08.3551, E08.3552, E08.3553, E08.37X1, E08.37X2, E08.37X3, E09.311, E09.3211, E09.3212, E09.3213, E09.3311, E09.3312, E09.3313, E09.3411, E09.3412, E09.3413, E09.3511, E09.3512, E09.3513, E09.3521, E09.3523, E09.3523, E09.3531, E09.3533, E09.3541, E09.3542, E09.3543, E09.3551, E09.3552, E09.3553, E09.37X1, E09.37X2, E09.37X3, E10.311, E10.3211, E10.3212, E10.3213, E10.3311, E10.3312, E10.3313, E10.3411, E10.3412, E10.3413, E10.3511, E10.3512, E10.3513, E10.3521, E10.3522, E10.3523, E10.3531, E10.3532, E10.3533, E10.3541, E10.3542, E10.3543, E10.3551, E10.3552, E10.3553, E10.37X1, E10.37X2, E10.37X3, E11.311, E11.3211, E11.3212, E11.3213, E11.3311, E11.3312, E11.3313, E11.3411, E11.3412, E11.3413, E11.3511, E11.3512, E11.3513, E11.3521, E11.3522, E11.3523, E11.3531, E11.3532, E11.3533, E11.3541, E11.3541, E11.3542, E11.3543, E11.3551, E11.3552, E11.3553, E11.37X1, E11.37X2, E11.37X3, E13.3511, E13.3512, E13.3513, E13.3512, E13.3533, E13.3531, E13.3531, E13.3532, E13.3533, E13.3541, E13.3542, E13.3551, E13.3552, E13.3553, E13.37X1, E13.37X2, E13.37X3	
Diabetic Retinopathy	E08.311, E08.319, E08.3211, E08.3212, E08.3213, E08.3291, E08.3292, E08.3293, E08.3311, E08.3312,	

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H40.53X1, H40.53X2, H40.53X3, H40.53X3, H40.61X0, H40.61X1, H40.61X2, H40.61X3, H40.62X4, H40.62X0, H40.62X1, H40.62X2, H40.62X3, H40.62X4, H40.63X0, H40.63X1, H40.63X3, H40.63X3, H40.63X4, H40.811, H40.811, H40.812, H40.813, H40.822, H40.823, H40.823, H40.823, H40.833, H40.89, Q15.0  Glaucoma Associated with  Congenital Anomalies, Dystrophies, and Systemic Syndromes  H40.31X0, H40.31X1, H40.31X2, H40.31X3, H40.33X2, H40.33X3, H40.32X4, H40.32X2, H40.32X3, H40.41X3, H40.41X4, H40.43X4, H40.43X4, H40.42X1, H40.42X2, H40.42X2, H40.42X3, H40.43X1, H40.43X2, H40.43X3, H40.53X3, H40.53X4, H40.53X3, H40.53X3, H40.53X3, H40.53X3, H40.53X3, H40.52X1, H40.52X2, H40.52X2, H40.52X3, H40.52X3, H40.52X3, H40.52X3, H40.53X3, H40.821, H40.823, H40.823, H40.831, H40.832, H40.833, H40.89, H40.9, H42  Hereditary Choroidal Dystrophies  H31.20, H31.21, H31.22, H31.23, H31.29  Hereditary Corneal Dystrophies  H31.50, H35.51, H35.52, H35.53, H35.54, H36  Injury to Optic Nerve and Pathways  Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye  Nystagmus and Other Irregular Eye  Movements  Open Wound of Eyeball  S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.51XA, S05.62XA, S05.71XA, S05.22XA, S05.81XA, S05.82XA, S05.92XA  Optic Atrophy  H47.20, H47.211, H47.212, H47.213, H47.223, H47.231, H47.232, H47.233, H47.291, H47.292, H47.293  Optic Neuritis		
H40.62X0, H40.62X1, H40.62X2, H40.62X3, H40.62X3, H40.63X1, H40.63X2, H40.63X3, H40.63X3, H40.63X1, H40.63X2, H40.831, H40.831, H40.832, H40.831, H40.832, H40.833, H40.89, Q15.0  Glaucoma Associated with Congenital Anomalies, Dystrophies, and Systemic Syndromes H40.31X0, H40.31X1, H40.31X2, H40.31X3, H40.31X4, H40.32X0, H40.32X1, H40.32X2, H40.32X3, H40.41X0, H40.41X1, H40.41X2, H40.41X3, H40.41X4, H40.42X0, H40.42X1, H40.42X3, H40.42X3, H40.43X1, H40.43X2, H40.43X3, H40.52X2, H40.52X3, H40.52X3, H40.52X3, H40.52X3, H40.52X3, H40.52X3, H40.52X3, H40.52X3, H40.52X4, H40.52X3, H40.52X3, H40.52X3, H40.52X4, H40.52X3, H40.53X3, H40.53X3, H40.831, H40.832, H40.831, H40.812, H40.813, H40.821, H40.822, H40.823, H40.831, H40.832, H40.833, H40.89, H40.9, H42  Hereditary Choroidal Dystrophies H31.20, H31.21, H31.22, H31.23, H31.29  Hereditary Retinal Dystrophies H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59 Hereditary Retinal Dystrophies H35.50, H35.51, H35.52, H35.53, H35.54, H36  Injury to Optic Nerve and Pathways Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye Nystagmus and Other Irregular Eye Movements  Open Wound of Eyeball  S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.82XA, S05.81XA, S05.92XA  Optic Atrophy  H47.20, H47.211, H47.212, H47.213, H47.221, H47.231, H47.232, H47.233, H47.291, H47.292, H47.293  Optic Neuritis H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.8, H46.9		
H40.63X4, H40.811, H40.812, H40.813, H40.821, H40.822, H40.823, H40.831, H40.832, H40.833, H40.89, Q15.0  Glaucoma Associated with Congenital Anomalies, Dystrophies, and Systemic Syndromes  H40.31X0, H40.31X1, H40.31X2, H40.31X3, H40.31X4, H40.32X0, H40.32X1, H40.32X2, H40.32X3, H40.33X4, H40.33X1, H40.33X3, H40.33X3, H40.33X3, H40.41X0, H40.41X1, H40.41X2, H40.41X3, H40.41X4, H40.42X0, H40.42X1, H40.42X2, H40.42X3, H40.42X3, H40.42X3, H40.51X2, H40.51X2, H40.51X3, H40.52X0, H40.52X1, H40.52X1, H40.52X2, H40.52X3, H40.52X3, H40.53X0, H40.53X1, H40.53X2, H40.53X3, H40.53X3, H40.831, H40.832, H40.831, H40.812, H40.812, H40.812, H40.822, H40.823, H40.831, H40.832, H40.833, H40.83, H40.89, H40.9, H42  Hereditary Choroidal Dystrophies  H31.20, H31.21, H31.22, H31.23, H31.29  Hereditary Retinal Dystrophies  H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59  Hereditary Retinal Dystrophies  H35.50, H35.51, H35.52, H35.53, H35.54, H36  Injury to Optic Nerve and Pathways  Moderate or Severe Impairment, Better Eye, Profound Impairment  Lesser Eye  Nystagmus and Other Irregular Eye  Movements  Open Wound of Eyeball  S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Atrophy  H47.20, H47.211, H47.212, H47.213, H47.231, H47.233, H47.233, H47.291, H47.292, H47.293  Optic Neuritis  H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
H40.89, Q15.0  Glaucoma Associated with Congenital Anomalies, Dystrophies, and Systemic Syndromes  H40.31X0, H40.31X1, H40.31X2, H40.33X2, H40.33X3, H40.33X4, H40.41X2, H40.41X1, H40.41X2, H40.43X2, H40.43X2, H40.42X2, H40.42X2, H40.42X3, H40.43X1, H40.43X1, H40.43X1, H40.43X2, H40.52X1, H40.52X2, H40.52X3, H40.52X3, H40.52X4, H40.52X1, H40.52X2, H40.52X3, H40.52X4, H40.52X4, H40.52X2, H40.52X3, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X1, H40.52X2, H40.52X3, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.52X1, H40.52X2, H40.52X3, H40.52X4, H40.52X		
Glaucoma Associated with Congenital Anomalies, Dystrophies, and Systemic Syndromes  H40.31X0, H40.31X1, H40.31X2, H40.31X3, H40.31X4, H40.32X0, H40.42X1, H40.42X3, H40.42X3, H40.43X4, H40.43X3, H40.43X4, H40.42X1, H40.42X2, H40.42X3, H40.42X3, H40.43X1, H40.43X4, H40.43X3, H40.43X4, H40.51X0, H40.51X1, H40.51X2, H40.52X1, H40.52X1, H40.52X4, H40.52X4, H40.52X4, H40.52X4, H40.833, H40.831, H40.822, H40.823, H40.833, H40.831, H40.833, H40.831, H40.832, H40.831, H40.832, H40.831, H40.832, H40.831, H40.822, H40.822, H40.823, H40.831, H40.832, H40.833, H40.89, H40.9, H42  Hereditary Choroidal Dystrophies  Hereditary Corneal Dystrophies  H85.0, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59  Hereditary Retinal Dystrophies  H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59  Hereditary Corneal Dystrophies  H35.50, H35.51, H35.52, H35.53, H35.54, H36.  Injury to Optic Nerve and Pathways  Moderate or Severe Impairment, B43.1131, H54.1132, H54.1141, H54.1142, H54.1151, H54.1152, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225  H55.01  H55.01  S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Atrophy  Optic Neuritis  H40.31X0, H40.31X1, H40.31X1, H40.31X3, H40.33X3, H40.33X3, H40.404.3X3, H40.41X0, H40.41X2, H40.42X2, H40.42X3, H40.42X4, H40.42X4, H40.42X4, H40.42X2, H40.42X3, H40.42X4, H40.43X1, H40.42X4, H40.42X4		
Congenital Anomalies, Dystrophies, and Systemic Syndromes  H40.32X4, H40.33X0, H40.33X1, H40.33X2, H40.33X3, H40.41X0, H40.41X1, H40.41X2, H40.41X3, H40.41X4, H40.42X0, H40.42X1, H40.42X2, H40.42X3, H40.42X4, H40.43X0, H40.43X1, H40.43X2, H40.52X1, H40.52X2, H40.52X3, H40.52X3, H40.52X4, H40.52X4, H40.53X1, H40.53X2, H40.53X3, H40.53X4, H40.811, H40.811, H40.812, H40.813, H40.821, H40.822, H40.823, H40.831, H40.832, H40.833, H40.83, H40.89, H40.9, H42  Hereditary Corneal Dystrophies  H31.20, H31.21, H31.22, H31.23, H31.29  Hereditary Retinal Dystrophies  H35.50, H35.51, H35.52, H35.53, H35.54, H36  Injury to Optic Nerve and Pathways  Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye  Nystagmus and Other Irregular Eye Movements  Open Wound of Eyeball  S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Atrophy  Optic Neuritis  H40.41X3, H40.41X2, H40.42X2, H40.42X3, H40.42X3, H40.42X3, H40.42X3, H40.43X3, H40.43X1, H40.43X2, H40.43X3, H40.43X3, H40.43X3, H40.43X3, H40.53X1, H40.53X2, H40.53X1, H40.53X2, H40.53X3, H40.53X3, H40.831, H40.832, H40.833, H40.831, H40.832, H40.833, H40.89, H40.9, H42.832, H40.822,		, .
H40.41X3, H40.41X4, H40.42X0, H40.42X1, H40.42X2, H40.42X3, H40.42X4, H40.43X0, H40.43X1, H40.43X2, H40.43X3, H40.43X3, H40.43X4, H40.51X2, H40.51X1, H40.51X2, H40.51X3, H40.51X3, H40.52X0, H40.52X1, H40.52X1, H40.52X2, H40.52X3, H40.52X4, H40.53X1, H40.53X2, H40.53X3, H40.53X4, H40.811, H40.812, H40.813, H40.821, H40.822, H40.823, H40.823, H40.831, H40.832, H40.833, H40.89, H40.9, H42  Hereditary Corneal Dystrophies H81.20, H31.21, H31.22, H31.23, H31.29 Hereditary Retinal Dystrophies H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59 Hereditary Corneal Postrophies H35.50, H35.51, H35.52, H35.53, H35.54, H36 Injury to Optic Nerve and Pathways Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye Nystagmus and Other Irregular Eye Mystagmus and Other Irregular Eye Movements  Open Wound of Eyeball S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Atrophy Optic Neuritis H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
H40.43X2, H40.43X3, H40.43X4, H40.51X0, H40.51X1, H40.51X2, H40.51X3, H40.52X0, H40.52X1, H40.52X2, H40.52X2, H40.52X3, H40.52X4, H40.53X0, H40.53X1, H40.53X2, H40.53X3, H40.53X4, H40.811, H40.812, H40.813, H40.821, H40.823, H40.831, H40.832, H40.833, H40.833, H40.89, H40.9, H42  Hereditary Corneal Dystrophies H18.50, H31.21, H31.22, H31.23, H31.29 Hereditary Retinal Dystrophies H18.50, H31.51, H31.52, H31.53, H31.54, H31.55, H31.59 Hereditary to Optic Nerve and Pathways Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye Nystagmus and Other Irregular Eye Movements  Open Wound of Eyeball S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.82XA, S05.91XA, S05.92XA Optic Atrophy Optic Neuritis H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.1, H46.13, H46.8, H46.9		
H40.52X1, H40.52X2, H40.52X3, H40.53X3, H40.53X1, H40.53X2, H40.53X3, H40.53X4, H40.811, H40.811, H40.812, H40.813, H40.821, H40.822, H40.823, H40.831, H40.832, H40.833, H40.89, H40.9, H42  Hereditary Choroidal Dystrophies H31.20, H31.21, H31.22, H31.23, H31.29  Hereditary Retinal Dystrophies H35.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59  Hereditary Retinal Dystrophies H35.50, H35.51, H35.52, H35.53, H35.54, H36  Injury to Optic Nerve and Pathways S04.011A, S04.012A, S04.02XA, S04.031A, S04.032A, S04.041A, S04.042A  Moderate or Severe Impairment, B41.1131, H54.1132, H54.1141, H54.1142, H54.1151, H54.1152, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225  Lesser Eye  Nystagmus and Other Irregular Eye Movements  Open Wound of Eyeball S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Atrophy H47.20, H47.21, H47.212, H47.213, H47.22, H47.231, H46.2, H46.3, H46.9	and Systemic Syndromes	
H40.811, H40.812, H40.813, H40.821, H40.823, H40.823, H40.831, H40.832, H40.833, H40.89, H40.9, H42  Hereditary Choroidal Dystrophies H31.20, H31.21, H31.22, H31.23, H31.29  Hereditary Corneal Dystrophies H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59  Hereditary Retinal Dystrophies H35.50, H35.51, H35.52, H35.53, H35.54, H36  Injury to Optic Nerve and Pathways S04.011A, S04.012A, S04.02XA, S04.031A, S04.032A, S04.041A, S04.042A  Moderate or Severe Impairment, H54.1131, H54.1132, H54.1141, H54.1142, H54.1151, H54.1152, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225  Lesser Eye  Nystagmus and Other Irregular Eye Movements  Open Wound of Eyeball S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Atrophy H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.291, H47.292, H47.293  Optic Neuritis H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.8, H46.8, H46.9		
H42   Hereditary Choroidal Dystrophies		
Hereditary Choroidal Dystrophies         H31.20, H31.21, H31.22, H31.23, H31.29           Hereditary Corneal Dystrophies         H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59           Hereditary Retinal Dystrophies         H35.50, H35.51, H35.52, H35.53, H35.54, H36           Injury to Optic Nerve and Pathways         S04.011A, S04.012A, S04.02XA, S04.031A, S04.032A, S04.041A, S04.042A           Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye         H54.1131, H54.1132, H54.1125, H54.1125, H54.1151, H54.1152, H54.1213, H54.1214, H54.1225           Nystagmus and Other Irregular Eye Movements         H55.01           Open Wound of Eyeball         S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA           Optic Atrophy         H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.291, H47.292, H47.293           Optic Neuritis         H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
Hereditary Corneal Dystrophies         H18.50, H18.51, H18.52, H18.53, H18.54, H18.55, H18.59           Hereditary Retinal Dystrophies         H35.50, H35.51, H35.52, H35.53, H35.54, H36           Injury to Optic Nerve and Pathways         S04.011A, S04.012A, S04.02XA, S04.031A, S04.032A, S04.041A, S04.042A           Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye         H54.1131, H54.1132, H54.1141, H54.1142, H54.1151, H54.1152, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225           Movements         H55.01           Open Wound of Eyeball         S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA           Optic Atrophy         H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.233, H47.291, H47.292, H47.293           Optic Neuritis         H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
Hereditary Retinal Dystrophies         H35.50, H35.51, H35.52, H35.53, H35.54, H36           Injury to Optic Nerve and Pathways         S04.011A, S04.012A, S04.02XA, S04.031A, S04.032A, S04.041A, S04.042A           Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye         H54.1131, H54.1132, H54.1141, H54.1142, H54.1151, H54.1152, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225           Movements         H55.01           Open Wound of Eyeball         S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA           Optic Atrophy         H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.233, H47.291, H47.292, H47.293           Optic Neuritis         H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
Injury to Optic Nerve and Pathways         \$04.011A, \$04.012A, \$04.02XA, \$04.031A, \$04.032A, \$04.041A, \$04.042A           Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye         H54.1131, H54.1132, H54.1141, H54.1142, H54.1151, H54.1152, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225           Movements         H55.01           Movements         S05.11XA, \$05.12XA, \$05.21XA, \$05.22XA, \$05.31XA, \$05.32XA, \$05.51XA, \$05.52XA, \$05.61XA, \$05.62XA, \$05.71XA, \$05.72XA, \$05.8X1A, \$05.8X2A, \$05.91XA, \$05.92XA           Optic Atrophy         H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.233, H47.291, H47.292, H47.293           Optic Neuritis         H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9	Hereditary Corneal Dystrophies	
Moderate or Severe Impairment, Better Eye, Profound Impairment Lesser Eye Nystagmus and Other Irregular Eye Movements Open Wound of Eyeball Optic Atrophy Optic Neuritis  H54.1131, H54.1132, H54.1141, H54.1142, H54.1151, H54.1152, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225  H55.01  S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Neuritis  H54.1131, H54.1132, H54.1141, H54.1151, H54.1152, H54.1213, H54.1213, H54.1214, H54.1215, H54.1223, H54.1224, H54.1225  H55.01  S05.11XA, S05.12XA, S05.21XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA  Optic Neuritis  H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
Better Eye, Profound Impairment       H54.1223, H54.1224, H54.1225         Lesser Eye       Nystagmus and Other Irregular Eye       H55.01         Movements       S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA         Optic Atrophy       H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.291, H47.293         Optic Neuritis       H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
Lesser Eye       Nystagmus and Other Irregular Eye       H55.01         Movements       S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA         Optic Atrophy       H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.291, H47.293         Optic Neuritis       H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		
Nystagmus and Other Irregular Eye         H55.01           Movements         S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA           Optic Atrophy         H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.291, H47.293           Optic Neuritis         H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9	Better Eye, Profound Impairment	H54.1223, H54.1224, H54.1225
Movements         S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA, S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA           Optic Atrophy         H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.293, H47.293, H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9	Lesser Eye	
Open Wound of Eyeball         \$05.11XA, \$05.12XA, \$05.21XA, \$05.22XA, \$05.31XA, \$05.32XA, \$05.51XA, \$05.52XA, \$05.61XA, \$05.62XA, \$05.71XA, \$05.72XA, \$05.8X1A, \$05.8X2A, \$05.91XA, \$05.92XA           Optic Atrophy         \$147.20, \$147.212, \$147.212, \$147.213, \$147.222, \$147.232, \$147.232, \$147.233, \$147.292, \$147.293           Optic Neuritis         \$146.01, \$146.02, \$146.03, \$146.11, \$146.12, \$146.13, \$146.2, \$146.3, \$146.8, \$146.9	Nystagmus and Other Irregular Eye	H55.01
S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA         Optic Atrophy       H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.291, H47.292, H47.293         Optic Neuritis       H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9	Movements	
Optic Atrophy         H47.20, H47.211, H47.212, H47.213, H47.221, H47.231, H47.232, H47.233, H47.291, H47.292, H47.293           Optic Neuritis         H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9	Open Wound of Eyeball	S05.11XA, S05.12XA, S05.21XA, S05.22XA, S05.31XA, S05.32XA, S05.51XA, S05.52XA, S05.61XA,
Optic Neuritis H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9		S05.62XA, S05.71XA, S05.72XA, S05.8X1A, S05.8X2A, S05.91XA, S05.92XA
	Optic Atrophy	H47.20, H47.211, H47.212, H47.213, H47.22, H47.231, H47.232, H47.233, H47.291, H47.292, H47.293
Other and Unspecified Forms of H30.21, H30.22, H30.23, H30.811, H30.812, H30.813, H30.891, H30.892, H30.893, H30.91, H30.92,	Optic Neuritis	H46.01, H46.02, H46.03, H46.11, H46.12, H46.13, H46.2, H46.3, H46.8, H46.9
	Other and Unspecified Forms of	H30.21, H30.22, H30.23, H30.811, H30.812, H30.813, H30.891, H30.892, H30.893, H30.91, H30.92,

Chorioretinitis and Retinochoroiditis	H30.93		
Other Background Retinopathy and	H35.021, H35.022, H35.023, H35.051, H35.052, H35.053, H35.061, H35.062, H35.063		
Retinal Vascular Changes			
Other Corneal Deformities	H18.70, H18.711, H18.712, H18.713, H18.721, H18.722, H18.723, H18.731, H18.732, H18.733, H18.791,		
	H18.792, H18.793		
Other Disorders of Optic Nerve	H47.011, H47.012, H47.013		
Other Disorders of Sclera	H15.831, H15.832, H15.833, H15.841, H15.842, H15.843		
Other Endophthalmitis	H16.241, H16.242, H16.243, H21.331, H21.332, H21.333, H33.121, H33.122, H33.123, H44.111, H44.11		
	H44.113, H44.121, H44.122, H44.123, H44.131, H44.132, H44.133, H44.19		
Other Proliferative Retinopathy	H35.101, H35.102, H35.103, H35.111, H35.112, H35.113, H35.121, H35.122, H35.123, H35.131, H35.13		
	H35.133, H35.141, H35.142, H35.143, H35.151, H35.152, H35.153, H35.161, H35.162, H35.163, H35.171,		
	H35.172, H35.173		
Other Retinal Disorders	H35.61, H35.62, H35.63, H35.81, H35.82, H35.89		
Pathologic Myopia	ppia H44.2A1, H44.2A2, H44.2A3, H44.2B1, H44.2B2, H44.2B3, H44.2C1, H44.2C2, H44.2C3, H44.2D1,		
	H44.2D2, H44.2D3, H44.2E1, H44.2E2, H44.21, H44.22, H44.23, H44.30		
Prior Penetrating Keratoplasty	H18.601, H18.602, H18.603, H18.611, H18.612, H18.613, H18.621, H18.622, H18.623		
Profound Impairment, Both Eyes	H54.0X33, H54.0X34, H54.0X35, H54.0X43, H54.0X44, H54.0X45, H54.0X53, H54.0X54, H54.0X55		
Purulent Endophthalmitis	H44.001, H44.002, H44.003, H44.011, H44.012, H44.013, H44.021, H44.022, H44.023		
Retinal Detachment with Retinal	H33.001, H33.002, H33.003, H33.011, H33.012, H33.013, H33.021, H33.022, H33.023, H33.031, H33.032,		
Defect	H33.033, H33.041, H33.042, H33.043, H33.051, H33.052, H33.053, H33.8		
Retinal Vascular Occlusion	H34.11, H34.12, H34.13, H34.231, H34.232, H34.233, H34.8110, H34.8111, H34.8112, H34.8120,		
	H34.8121, H34.8122, H34.8130, H34.8131, H34.8132, H34.8310, H34.8311, H34.8312, H34.8320,		
	H34.8321, H34.8322, H34.8330, H34.8331, H34.8332		
Scleritis and Episcleritis	A18.51, H15.021, H15.022, H15.023, H15.031, H15.032, H15.033, H15.041, H15.042, H15.043, H15.051,		
	H15.052, H15.053, H15.091, H15.092, H15.093		
Separation of Retinal Layers	H35.711, H35.712, H35.713, H35.721, H35.722, H35.723, H35.731, H35.732, H35.733		
Uveitis	H44.111, H44.112, H44.113, H44.131, H44.132, H44.133		
Visual Field Defects	H53.411, H53.412, H53.413		

#### **Costs Included in the Cataract Episode Measure**

As noted above, the episode-based measures seek to measure the cost of care related to a specific procedure or condition—what CMS terms an "episode." The following costs are included in a cataract episode:

- Pre-operative testing,
- The physician's professional fee for the surgery itself,
- The facility fee,
- Some drugs separately payable under Part B,
- Anesthesia, and
- Additional post-operative care billed separately from the surgery, such as additional procedures as a result of a complication.

The measure includes costs 60 days prior to the surgery and 90 days following it. Costs are calculated based on the allowed charge.

Each year, the episode measures will be updated to include new Part B drugs on a case-by-case basis.

# For 2021, the following Part B drugs are included in the cataract surgery episode measure in conjunction with certain diagnoses:

HCPCS Code	Description	Included Diagnoses
C9447	Injection, phenylephrine and ketorolac, 4 ml vial	Included regardless of diagnosis
J0278	Injection, amikacin sulfate, 100 mg	H44.021, H44.022, unspecified purulent endophthalmitis
J0713	Injection, ceftazidime, per 500 mg	H44.021, H44.022, unspecified purulent endophthalmitis
J0197	Phenylephrine 10.16 Mg/Ml And Ketorolac 2.88 Mg/Ml Ophthalmic	Included regardless of diagnosis
J3370	Injection, vancomycin hcl, 500 mg	H25.11, H25.12, age-related nuclear cataract; H25.811, H25.812, combined forms of age-related cataract; H26.8, other specified cataract; H26.9, unspecified cataract; H44.021, H44.022, unspecified purulent endophthalmitis
J3465	Injection, voriconazole, 10 mg	H44.021, H44.022, unspecified purulent endophthalmitis; H44.011, H44.012, panophthalmitis (acute)

#### **Cataract Surgery Episode Sub-Groups**

Because the cost of cataract surgery varies greatly depending on whether it is performed in an ASC or an HOPD, the cataract episode separates surgeries into sub-groups to compare the cost of similar surgeries. In other words, the cost of surgery performed in an ASC will only be compared to others performed in ASCs, and those performed in HOPDs will only be compared to others in HOPDs. To further sub-divide the episodes, there are sub-groups for whether one surgery was performed within the 90-day window of the measure (unilateral) or if the second eye was operated on within the 90-day global of the first surgery.

Therefore, the measure assigns each episode to one of four sub-groups:

- ASC, unilateral
- ASC, bilateral
- HOPD, unilateral
- HOPD, bilateral

#### **Cataract Episode Measure Score**

To calculate the total measure score, CMS will evaluate each surgery, or episode, and calculate an "observed" cost, then compare it to the national average "expected" cost for its sub-group. The observed cost is based on the Medicare allowed charge; however, CMS standardizes the charges to account for geographic differences and does risk adjustment based on Hierarchical Category Codes (HCC), which account for patient complexity but do not include any ophthalmic conditions. The comparison from the national average is done by dividing the observed cost of the episode by its expected cost, which expresses the observed cost's deviation from the expected cost as a ratio.

CMS will then add all the episodes' ratios together, across all sub-groups, and divide that sum by the total number of episodes to determine the total average of the surgeon's episodes' deviations from the expected costs. That figure is then multiplied by a national average total cost to represent the surgeon's average deviation from expected costs as a dollar figure. If the surgeon is reporting MIPS as part of a group, then the group's combined average cost is calculated.

CMS then compares the physician's or group's average cost to a benchmark and assigns the measure a score of 1 to 10 points. The benchmark will be determined based on **cost data from the performance period.** The lower the average cost of the cataract episode, the higher the measure score will be. Physicians or groups will not lose or receive negative points for higher costs, but their measure score will be lower.

Once the cataract episode measure is scored, CMS then determines the Cost category score for the physician or group.

The total category points possible for a performance year depend on how many measures the physician, or if reporting as a group, the group is attributed. However, since ASCRS and the medical community were successful in advocating for updated attribution methodology, CMS will now exclude ophthalmologists, optometrists, and other non-primary care specialists from the total per capita cost measure, which is still in the Cost category. In addition, the Medicare spending per beneficiary measure remains, but it is based on inpatient care and unlikely to be attributed to ophthalmologists. Therefore, it is likely that the only cost measure an ophthalmologist is attributed is the cataract episode-based measure, and CMS will base the entirety of the category score on that measure.

If a provider does not have any attributed measures, the Cost category will not be scored, and the Quality category will be re-weighted to 60% to account for the 20% from the Cost category.

#### **Cataract Episode Cost Measure FAQs**

### Q: I perform all my surgeries in an HOPD because there is no ASC available locally. Will I receive a lower score because the facility fee is greater?

A: Because of the sub-groups, these surgeries performed in an HOPD will only be compared to other surgeries performed in HOPDs. CMS calculates the expected national average cost for each sub-group and then determines by what percentage the surgeon is deviating from that average expected cost for that type of surgery.

#### Q: Will I receive a lower measure score for using Omidria?

A: It depends. If you use Omidria for its primary indication of pupil dilation, the patient will be excluded from the measure as long as you are using the drug on a patient undergoing complex cataract surgery (66982) or who has one of the listed co-morbidities. Therefore, using the drug would not impact your score at all because those cases would not be included. However, if you use it on every case, it will likely increase your average costs and earn a lower score because those patients without co-morbidities will be included.

## Q: Will I receive a lower measure score for using any drug currently paid on pass-through or those that will become available in the future and paid on pass-through?

A: None of the drugs that came onto the market recently were added to the specifications nor count toward the cost of the episode in 2021. The 2021 measure specifications that were released did not include any drugs currently on pass-through. CMS has indicated that adding additional drugs, including those on pass-through, would require input from the technical expert panel (of which ASCRS is a member), which has not occurred. ASCRS ASOA continue to advocate that any pass-through drug be excluded from the episode.

#### Q: Will using other drugs separately payable under Part B increase my costs?

A: It depends on the drug. As listed above in this guide, there are four Part B drugs included in the measure when they are used to treat endophthalmitis following cataract surgery. Because these drugs are administered following cataract surgery as a result of a complication and paid separately, they are considered as additional costs in the episode and will impact the measure score. If a physician administers these drugs to treat another condition with any diagnosis not listed in the measure specifications, then they will not be included in the measure and will not impact the score.

### Q: I perform MIGS or other glaucoma procedures in conjunction with cataract surgery. Will this increase my costs?

A: No, any patient with glaucoma is excluded from the cataract episode measure. Performing additional glaucoma procedures in conjunction with cataract surgery will not impact your cataract episode measure score. In fact, a surgeon who specializes in glaucoma procedures may not have the required 10 cases that meet the attribution criteria of uncomplicated cataract with no co-morbidities and, therefore, would not have the cataract episode measure attributed to him or her at all.