

CATARACT

Includes Infantile, Senile, and Traumatic Cataracts and Cataracts Secondary to Ocular Disorders

Background

This case definition was developed by the Armed Forces Health Surveillance Branch (AFHSB) for the purpose of epidemiological surveillance of a condition important to military-associated populations.

Clinical Description

A cataract is a pathologic condition characterized by opacity of the lens in the eye. The condition is associated with visual impairment and usually related to advancing age. Additional risk factors include trauma, cigarette smoking, and exposure to excessive ultraviolet rays.¹ Symptoms of an early cataract may be improved with eyeglasses. Definitive treatment is surgical removal of the cloudy lens and replacement with an artificial lens. Cataracts are currently the leading cause of vision loss in the U.S.² and are a disqualifying condition for service members under current enlistment standards.

Case Definition and Incidence Rules

For surveillance purposes, a case of cataract is defined as:

- *One hospitalization or one outpatient medical encounter* with a case defining diagnosis of cataract (see ICD9 and ICD10 code lists below) in *any* diagnostic position.

Incidence rules:

For individuals who meet the case definition:

- The incidence date is considered the date of the first hospitalization or outpatient medical encounter that includes a defining diagnosis of cataract.
- For the purpose of categorizing cataracts by etiologic type, the earliest medical encounter with a diagnosis of cataract is used.
- An individual is considered an incident case only *once per surveillance period*

Exclusions:

- None

¹ Armed Forces Health Surveillance Center. Surveillance of Cataract in Active Component Service Members, U.S. Armed Forces, 2000-2013. *Medical Surveillance Monthly Report (MSMR)*; 2014 July; Vol 21(7): 10-13.

² Jacobs DS, Trobe J, Park L. UpToDate: Cataracts in Adults. Found at: <http://www.uptodate.com/contents/cataract-in-adults>. Accessed on 8 July 2014.



Codes

The following ICD9 and ICD10 codes are included in the case definition:

Cataract Type	ICD-10-CM Codes	ICD-9-CM Codes
Age-related cataract	<i>H25 (age-related cataract)</i>	<i>366.1 (senile cataract)</i>
	<i>H25.0 (age-related incipient cataract)</i>	
	H25.01 (cortical age-related cataract...)	366.15 (cortical senile cataract)
	- H25.011 (<i>right eye</i>)	
	- H25.012 (<i>left eye</i>)	
	- H25.013 (<i>bilateral</i>)	
	- H25.019 (<i>unspecified eye</i>)	
	H25.03 (anterior subcapsular polar age-related cataract...)	366.13 (anterior subcapsular polar senile cataract)
	- H25.031 (<i>right eye</i>)	
	- H25.032 (<i>left eye</i>)	
	- H25.033 (<i>bilateral</i>)	
	- H25.039 (<i>unspecified eye</i>)	
	H25.04 (posterior subcapsular polar age-related cataract...)	366.14 (posterior subcapsular polar senile cataract)
	- H25.041 (<i>right eye</i>)	
	- H25.042 (<i>left eye</i>)	
	- H25.043 (<i>bilateral</i>)	
	- H25.049 (<i>unspecified eye</i>)	
	H25.09 (other age-related incipient cataract...)	366.12 (incipient cataract)
	- H25.091 (<i>right eye</i>)	
	- H25.092 (<i>left eye</i>)	
- H25.093 (<i>bilateral</i>)		
- H25.099 (<i>unspecified eye</i>)		
H25.1 (age-related nuclear cataract...)	366.16 (nuclear sclerosis)	
- H25.10 (<i>unspecified</i>)		
- H25.11 (<i>right eye</i>)		
- H25.12 (<i>left eye</i>)		
- H25.13 (<i>bilateral</i>)		

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	H25.20 (age-related cataract, Morgagnian type...)	366.18 (hypermaturing cataract)
	- H25.20 (<i>unspecified eye</i>)	
	- H25.21 (<i>right eye</i>)	
	- H25.22 (<i>left eye</i>)	
	- H25.23 (<i>bilateral</i>)	
	H25.8 (<i>other age-related cataract</i>)	--
	H25.81 (combined forms of age-related cataract...)	366.19 (other and combined forms of senile cataract)
	- H25.811 (<i>right eye</i>)	
	- H25.812 (<i>left eye</i>)	
	- H25.813 (<i>bilateral</i>)	
	- H25.814 (<i>unspecified eye</i>)	
	H25.89 (other age-related cataract)	- 366.17 (total or mature cataract) - 366.11 (pseudoexfoliation of lens capsule)
	H25.9 (unspecified age-related cataract)	- 366.10 (senile cataract, unspecified)
Infantile, juvenile, and presenile cataract	<i>H26 (other cataract)</i>	--
	<i>H26.0 (infantile and juvenile cataract)</i>	<i>366.0 (infantile, juvenile, and presenile cataract)</i>
	H26.00 (unspecified infantile and juvenile cataract...)	366.00 (nonsenile cataract, unspecified)
	- H26.001 (<i>right eye</i>)	
	- H26.002 (<i>left eye</i>)	
	- H26.003 (<i>bilateral</i>)	
	- H26.009 (<i>unspecified eye</i>)	
	H26.01 (infantile and juvenile cortical, lamellar, or zonular cataract...)	366.03 (cortical, lamellar, or zonular cataract)
	- H26.011 (<i>right eye</i>)	
	- H26.012 (<i>left eye</i>)	
	- H26.013 (<i>bilateral</i>)	
	- H26.019 (<i>unspecified eye</i>)	
	H26.03 (infantile and juvenile nuclear cataract...)	366.04 (nuclear cataract)
- H26.031 (<i>right eye</i>)		

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	- H26.032 (<i>left eye</i>)	
	- H26.033 (<i>bilateral</i>)	
	- H26.039 (<i>unspecified eye</i>)	
	H26.04 (anterior subcapsular polar infantile and juvenile cataract...)	366.01 (anterior subcapsular polar cataract)
	- H26.041 (<i>right eye</i>)	
	- H26.042 (<i>left eye</i>)	
	- H26.043 (<i>bilateral</i>)	
	- H26.049 (<i>unspecified eye</i>)	
	H26.05 (posterior subcapsular polar infantile and juvenile cataract...)	366.02 (posterior subapsular polar cataract)
	- H26.051 (<i>right eye</i>)	
	- H26.052 (<i>left eye</i>)	
	- H26.053 (<i>bilateral</i>)	
	- H26.059 (<i>unspecified eye</i>)	
	H26.06 (combined forms of infantile and juvenile cataract...)	366.09 (other and combined forms of nonsenile cataract)
	- H26.061 (<i>right eye</i>)	
	- H26.062 (<i>left eye</i>)	
	- H26.063 (<i>bilateral</i>)	
	- H26.069 (<i>unspecified eye</i>)	
	H26.09 (other infantile and juvenile cataract)	
Traumatic cataract	<i>H26.1 (traumatic cataract)</i>	<i>366.2 (traumatic cataract)</i>
	H26.10 (unspecified traumatic cataract...)	366.20 (traumatic cataract, unspecified)
	- H26.101 (<i>right eye</i>)	
	- H26.102 (<i>left eye</i>)	
	- H26.103 (<i>bilateral</i>)	
	- H26.109 (<i>unspecified eye</i>)	
	H26.11 (localized traumatic opacities...)	366.21 (localized traumatic opacities)
	- H26.111 (<i>right eye</i>)	
	- H26.112 (<i>left eye</i>)	
	- H26.113 (<i>bilateral</i>)	

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	- H26.119 (<i>unspecified eye</i>)	
	H26.12 (partially resolved traumatic cataract...)	366.23 (partially resolved traumatic cataract)
	- H26.121 (<i>right eye</i>)	
	- H26.122 (<i>left eye</i>)	
	- H26.123 (<i>bilateral</i>)	
	- H26.129 (<i>unspecified eye</i>)	
	H26.13 (total traumatic cataract...)	366.22 (total traumatic cataract)
	- H26.131 (<i>right eye</i>)	
	- H26.132 (<i>left eye</i>)	
	- H26.133 (<i>bilateral</i>)	
	- H26.139 (<i>unspecified eye</i>)	
Cataract secondary to ocular disorders	<i>H26.2 (complicated cataract)</i>	<i>366.3 (cataract secondary to ocular disorders)</i>
	H26.20 (unspecified complicated cataract)	366.30 (cataract complicata, unspecified)
	H26.21 (cataract with neovascularization...)	366.33 (cataract with neovascularization)
	- H26.211 (<i>right eye</i>)	
	- H26.212 (<i>left eye</i>)	
	- H26.213 (<i>bilateral</i>)	
	- H26.219 (<i>unspecified eye</i>)	
	H26.22 (cataract secondary to ocular disorders; degenerative; inflammatory...)	366.32 (cataract in inflammatory disorders)
	- H26.221 (<i>right eye</i>)	366.34 (cataract in degenerative disorders)
	- H26.222 (<i>left eye</i>)	
	- H26.223 (<i>bilateral</i>)	
	- H26.229 (<i>unspecified eye</i>)	
	H26.23 (glaucomatous flecks; subcapsular...)	366.31 (glaucomatous flecks; subcapsular)
	- H26.231 (<i>right eye</i>)	
	- H26.232 (<i>left eye</i>)	
- H26.233 (<i>bilateral</i>)		
- H26.239 (<i>unspecified eye</i>)		

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	H26.3 (drug-induced cataract)	366.45 (toxic cataract)
	- H26.30 (<i>unspecified eye</i>)	
	- H26.31 (<i>right eye</i>)	
	- H26.32 (<i>left eye</i>)	
	- H26.33 (<i>bilateral</i>)	
Secondary cataract	<i>H26.4 (secondary cataract)</i>	<i>366.5 (after-cataract)</i>
	H26.40 (unspecified secondary cataract)	366.50 (after-cataract, unspecified)
	H26.41 (Soemmering's ring...)	366.51 (Soemmering's ring)
	- H26.411 (<i>right eye</i>)	
	- H26.412 (<i>left eye</i>)	
	- H26.413 (<i>bilateral</i>)	
	- H26.419 (<i>unspecified eye</i>)	
	H26.49 (other secondary cataract...)	366.52 (other after-cataract, not obscuring vision)
	- H26.491 (<i>right eye</i>)	366.53 (after-cataract, obscuring vision)
	- H26.491 (<i>left eye</i>)	
	- H26.493 (<i>bilateral</i>)	
- H26.499 (<i>unspecified eye</i>)		
Other cataract	<i>H26.8 (other specified cataract)</i>	<i>366.8 (other cataract)</i> 366.46 (cataract associated with radiation and other physical influences)
Unspecified cataract	<i>H26.9 (unspecified cataract)</i>	<i>366.9 (unspecified cataract)</i>
Cataract associated with other disorders	--	366.4 (cataract associated with other disorders)
	- E08.36 (diabetes mellitus due to underlying condition with diabetic cataract)	366.41 (diabetic cataract)
	- E09.36 (drug or chemical induced diabetes mellitus with diabetic cataract)	
	- E10.36 (Type 1 diabetes mellitus with diabetic cataract)	
	- E11.36 (Type 2 diabetes mellitus with diabetic cataract)	
	- E13.36 (other specified diabetes mellitus with diabetic cataract)	

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	H28 (cataract in diseases classified elsewhere)	366.42 (tetanic cataract)
		366.43 (myotonic cataract)
		366.44 (cataract associated with other syndromes)

Development and Revisions

- In August of 2016 the case definition was updated to include ICD10 codes.
- This case definition was developed in July of 2014 by AFHSB Epidemiology and Analyses staff for use in a *MSMR* article on cataracts.¹ The case definition was developed based on reviews of the ICD9 and ICD10 codes, the scientific literature, and previous AFHSB analyses.

Case Definition and Incidence Rule Rationale

- None

Code Set Determination and Rationale

- None

Reports

AFHSB reports on cataracts in the following reports:

- None

Review

Aug 2016	Case definition reviewed and adopted by the AFHSB Surveillance Methods and Standards (SMS) working group.
Feb 2014	Case definition developed by AFHSB Epidemiology and Analysis staff.

Comments

None

