ICD–10–CM is Coming!
Be Ready!

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American Optometric Association
Overview

This webinar will provide an overview of ICD–10–CM coding changes and begin your preparation.

There are more resources available on the AOA website to further prepare you for the change to ICD–10–CM.

A list of resources will be presented at the end of this webinar.
Are You Well Connected??

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KCWebb@AOA.org
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Recording and Handouts for this Course

Recorded presentation and webinar course handouts will be available at: http://www.aoa.org/coding

Click ICD–10 on the right hand column and it will take you to all the available resources for ICD–10
Q&A and After the Webinar

• **AT THE END OF THE PRESENTATION:**
  Questions will be answered at the end of the presentation, as time permits.
  To ask a question that pertains to this presentation:
  Click on the red arrow to maximize the webinar control panel and expand the ‘Questions’ section. Type questions in the dialog box and press ‘Send’.

• **AFTER THE WEBINAR**
  Please send questions to…
  [https://www.aoa.org/ask-the-coding-experts](https://www.aoa.org/ask-the-coding-experts)

**Note:**
*Please remember to include the AOA member’s name and state in your emails.*
What we will cover today

• Overview of ICD–10–CM: Why and How
• How to prepare
• ICD–CM–Coding System Overview
  • Alphabetical Indexes
  • Tabular Index
• ICD–10–CM Code Details and Nomenclature
• ICD–10–CM Coding Examples
• Summary and Resources
• Questions
Hank is obviously excited about ICD–10–CM! Is this the way YOU feel??
But Hank **WILL** succeed! And so will you!
ICD–10–CM Conversion

• September 30, 2015
  • All encounter on or before this date
    • ICD–9–CM codes
    • Even for Refiling, appeals etc

• October 1, 2015
  • All encounters on or after this date
    • ICD–10–CM codes
July 6, 2015: Breaking News
AMA Announces Agreement with CMS

For first year of ICD-10-CM, CMS and Recovery Audit Contractors will abide by the following:

1. Will not deny claims solely based on diagnosis specificity if code used is from appropriate ICD-10 code family → will not deny for unintentional errors
2. Will not subject physicians to penalties for PQRS, value-based payment modifier or meaningful use if code used is from appropriate ICD-10 code family
3. No penalties will not be applied if CMS experiences difficulties calculating quality scores for these programs due ICD-10 implementation
4. Will authorize advance payments to physicians if contractors are unable to process claims due to ICD-10 problems
5. Will establish communication center to monitor and resolve issues quickly, including an “ICD-10 ombudsman” to triaging physician issues

**US Version of ICD–10–CM**

**NOT WHO Version**

ICD–10–CM owned by World Health Organization

**BUT for United States –**

ICD–10–CM code set – maintained by the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC) for use in the United States

Thus some different rules will apply for US vs World Health Organization versions of code set

[www.cdc.gov/nchs/icd/icd10cm.htm](http://www.cdc.gov/nchs/icd/icd10cm.htm)
<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICD-9-CM = 13,000 codes</td>
<td>ICD-10-CM = 68,000 +</td>
</tr>
<tr>
<td>3-5 characters</td>
<td>3 -7 characters</td>
</tr>
<tr>
<td>Character 1 = # or alpha (V,E)</td>
<td>Character 1 = alpha (except U)</td>
</tr>
<tr>
<td>Character 2-5 = #</td>
<td>Character 2 = #</td>
</tr>
<tr>
<td></td>
<td>Characters 3-7 = alpha or #</td>
</tr>
<tr>
<td>Decimal after 3 characters</td>
<td></td>
</tr>
<tr>
<td>Alpha characters <strong>not</strong> case-sensitive</td>
<td></td>
</tr>
<tr>
<td>ICD-10: Dummy placeholder “x” used when need 7(^{th}) character</td>
<td></td>
</tr>
</tbody>
</table>

**American Optometric Association**
Determine conditions for coding from medical documentation following ICD rules

Use Alphabetical Index to locate condition and allocate code

Use Tabular Listing to review all coding instructions related to code (e.g. inclusion, exclusion)

Use Instruction Manual for any rules regarding selection for reporting mortality/morbidity
Overview of ICD–10–CM Alphabetical Index

• This is where you begin!
• Can make errors if you do not start here!
• Alphabetical list of codes from the Tabular List

<table>
<thead>
<tr>
<th>Alphabetical list of terms and corresponding code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Index of Diseases and Injury</td>
</tr>
<tr>
<td>2. Index of External Causes of Injury</td>
</tr>
<tr>
<td>3. Table of Neoplasms</td>
</tr>
<tr>
<td>4. Table of Drugs and Chemicals</td>
</tr>
</tbody>
</table>
Overview of ICD-10-CM
Alphabetical Index

Helpful Hint

- Syndromes under “syndrome” listing
  - Dry eye syndrome
    - Not under corneal
    - Not under lacrimal
    - Not under ocular
    - UNDER SYNDROME

- Dysfunctions under “dysfunctions” listing

- Degenerations under “degeneration” listing
  - Macular degeneration
    - Not under retinal
    - Not under macula
    - UNDER DEGENERATION
ICD–10–CM Terminology and Conventions
Alphabetic Index Example

Macula
- cornea, corneal — see Opacity, cornea
- degeneration (atrophic) (exudative) (senile) — see also Degeneration, macula
  - hereditary — see Dystrophy, retina

Degeneration, degenerative
- macula, macular (acquired) (age-related) (senile) H35.30
  - angioid streaks H35.33
  - atrophic age-related H35.31
  - congenital or hereditary — see Dystrophy, retina
  - cystoid H35.35
  - drusen H35.36
  - exudative H35.32
  - hole H35.34
  - nonexudative H35.31
  - puckering H35.37
  - toxic H35.38
### ICD–10–CM Terminology and Conventions

#### Tabular List

Tabular list → chapters ➤ body system/condition

Divided into categories, subcategories and codes. Can **ONLY** report codes.

<table>
<thead>
<tr>
<th><strong>Categories</strong> - 3 characters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• If has no further subdivision is equivalent to code</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Subcategories</strong> - 4 or 5 characters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Each level of subdivision after a category is a subcategory</td>
<td></td>
</tr>
<tr>
<td>• If no further subdivision is equivalent to a code</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Codes</strong> - 3, 4, 5, 6 or 7 characters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Final level of subdivision</td>
<td></td>
</tr>
<tr>
<td>• If 7th character is required invalid without 7th character</td>
<td></td>
</tr>
<tr>
<td>• If placeholder needed—X used for code to be valid code</td>
<td></td>
</tr>
</tbody>
</table>
ICD–10–CM Terminology and Conventions

Tabular List

H35 Other Retinal Disorders

H35.3 Degeneration of macula and posterior pole
  H35.30 Unspecified macular degeneration
    Age–related macular degeneration
  H35.31 Nonexudative age–related macular degeneration
    Atrophic age–related macular degeneration
  H35.32 Exudative age–related macular degeneration
  H35.33 Angioid streaks of macula
  H35.34 Macular cyst, hole, or pseudohole
    H35.341 ...... right eye
    H35.342 ...... left eye
    H35.343 ...... bilateral
    H35.349 ...... unspecified eye

Category

Subcategory that is a Code

Subcategory NOT a code

These are final codes
ICD–10–CM Terminology and Conventions
7th Characters

Certain ICD-10-CM categories need 7th character

When 7th character is required → used for all codes within category or as noted in Tabular List instructions

The 7th character must be 7th character in data field

If code requires 7th character but is not 6 characters long THEN must use placeholder X to fill in empty characters
ICD–10–CM Terminology and Conventions

Punctuation

[ ] Brackets
– Alphabetic Index: identify manifestation codes
– Tabular List: enclose synonyms, alternative wording or explanatory phrases

( ) Parentheses
– Alphabetic Index and Tabular List:
  enclose supplementary words that may or may not be present in statement
  of disease or procedure without affecting code number assignment

: Colons
– Tabular List: after incomplete term which needs one or more of modifiers
  following colon to make it assignable to a category
ICD-10-CM Terminology and Conventions
Includes Notes

Includes Notes: immediately under three character code title
  further define or give examples of category content

Inclusion terms are list of terms included under some codes
  Defines when code is to be used
  May be synonyms of the code title
For “other specified” codes is list of various conditions assigned to code
BUT not necessarily exhaustive

Additional terms found only in the Alphabetic Index may also be assigned to a code
ICD–10–CM Terminology and Conventions

Excludes Notes

Excludes1

- Pure excludes note—meaning “NOT CODED HERE!”
- Excluded code **should never be used at same time** as code above Excludes1 note
- Used when two conditions cannot occur together
  (Example: congenital versus acquired form of same condition)

Excludes2

- Means “Not included here”
- Excluded condition is not part of condition represented by code,
  BUT patient may have both conditions at the same time
- Excludes2 code acceptable to use when both the code and excluded code occur together
Examples

H53 Visual disturbances

H53.0 Amblyopia ex anopsia

Excludes1: amblyopia due to vitamin A deficiency (E50.5)

H53.00 Unspecified amblyopia

H11.1 Conjunctival degenerations and deposits

Excludes2: pseudopterygium (H11.81)

H11.10 Unspecified conjunctival degenerations

H11.11 Conjunctival deposits
ICD–10–CM Sequencing Order

Tabular Notes

• "In diseases classified elsewhere" codes:
  • Never permitted to be used as first-listed diagnosis code
  • Must be used with underlying condition code
  • Must be listed following the underlying condition

• But some manifestation codes do not have “in diseases classified elsewhere” in title
  • “use additional code” note for the etiology code
  • “code first” note at the manifestation code
  • Rules for sequencing apply→
    etiology code then manifestation code
ICD–10–CM Terminology and Conventions
Other Nomenclature

“Code also” note

Instructs that two codes may be required to fully describe condition, but this note does not provide sequencing direction

Default codes

Listed next to a main term in Alphabetic Index

The default code represents condition most commonly associated with main term or is the unspecified code for the condition

If condition is documented in medical record (for example, appendicitis) without any additional information, such as acute or chronic, the default code should be assigned
ICD–10–CM and Electronic Medical Records

• Your success rate for properly billing ICD–10–CM will depend on your properly selecting the impressions and proper laterality in your electronic medical record program.

• Typically your ICD–10–CM code choices will be a one-to-one correlation with your choices for ICD–9–CM within your electronic medical record program.
ICD–10–CM and Electronic Medical Records

If the code you need is due to drug or chemical interactions, any underlying condition or certain atypical diabetes, such as secondary or gestational, then you will need to ensure the code choice is proper and correct. And, again, remember to choose the proper laterality to obtain the most specific codes.

You need to be aware of the correct Includes and Excludes1 and Excludes2 Notes to further ensure the correct code(s) have been chosen within your electronic medical records.
Tabular Index Chapter VII Categories

H00–H05→Disorders of eyelid, lacrimal system, orbit
H10–H11→Disorders of conjunctiva
H15–H22→Disorders of sclera, cornea, iris, ciliary body
H25–H28→Disorders of lens
H30–H36→Disorders of choroid and retina
H40–H42→Glaucoma
H43–H44→Disorders of vitreous body and globe
H46–H47→Disorders of optic nerve & visual pathways
H49–H52→Disorders of ocular muscles, binocular movement, accommodation and refraction
H53–H54→Visual disturbances and blindness
H55–H57→Other disorders of eye and adnexa
H 59→Intraoperative and postprocedural complications and disorders
Chapter VII Diseases of the eye and adnexa (H00–H59) Notes and Exclusions

**Note:** Use an external cause code following the code for the eye condition, if applicable, to identify the cause of the eye condition

**Excludes2:**

- Certain conditions originating in the perinatal period (P04–P96)
- **Certain infectious and parasitic diseases (A00–B99)**
- Complications of pregnancy, childbirth and the puerperium (O00–O9A)
- **Congenital malformations, deformations, and chromosomal abnormalities (Q00–Q99)**
- Diabetes mellitus related eye conditions (E09.3–, E10.3–, E11.3–, E13.3–)
- Endocrine, nutritional and metabolic diseases (E00–E88)
- Injury (trauma) of eye and orbit (S05.–)
- Injury, poisoning and certain other consequences of external causes (S00–T88)
- Neoplasms (C00–D49)
- **Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R94)**
- Syphilis related eye disorders (A50.01, A50.3–, A51.43, A52.71)
Refractive Diagnoses
Alphabetic Index

Astigmatism (compound) (congenital) H52.20–
  – irregular H52.21–
  – regular H52.22–

Hypermetropia (congenital) H52.0–

Myopia (axial) (congenital) H52.1–
  – degenerative (malignant) H44.2–
  – malignant H44.2–
  – pernicious H44.2–
  – progressive high (degenerative) H44.2–

Presbyopia H52.4
Refractive Diagnoses
Tabular Listing

H49-H52 Disorders of ocular muscles, binocular movement, accommodation and refraction
H52 Disorders of refraction and accommodation
H52.0 Hypermetropia

H52.01 Hypermetropia, right eye
H52.02 Hypermetropia, left eye
H52.03 Hypermetropia, bilateral

H52.1 Myopia
Excludes1: degenerative myopia (H44.2-)
H52.10 Myopia, unspecified eye
H52.11 Myopia, right eye
H52.12 Myopia, left eye
H52.13 Myopia, bilateral

H52.4 Presbyopia

Myopia and hyperopia OD OS or OU
Presbyopia Not per eye H52.4
## Refractive Diagnoses

### Tabular Listing

<table>
<thead>
<tr>
<th>Code</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>H52.2</td>
<td>Astigmatism</td>
</tr>
<tr>
<td>H52.20</td>
<td>Unspecified astigmatism</td>
</tr>
<tr>
<td>H52.201</td>
<td>Unspecified astigmatism, right eye</td>
</tr>
<tr>
<td>H52.202</td>
<td>Unspecified astigmatism, left eye</td>
</tr>
<tr>
<td>H52.203</td>
<td>Unspecified astigmatism, bilateral</td>
</tr>
<tr>
<td>H52.209</td>
<td>Unspecified astigmatism, unspecified eye</td>
</tr>
<tr>
<td>H52.21</td>
<td>Irregular astigmatism</td>
</tr>
<tr>
<td>H52.211</td>
<td>Irregular astigmatism, right eye</td>
</tr>
<tr>
<td>H52.212</td>
<td>Irregular astigmatism, left eye</td>
</tr>
<tr>
<td>H52.213</td>
<td>Irregular astigmatism, bilateral</td>
</tr>
<tr>
<td>H52.219</td>
<td>Irregular astigmatism, unspecified eye</td>
</tr>
<tr>
<td>H52.22</td>
<td>Regular astigmatism</td>
</tr>
<tr>
<td>H52.221</td>
<td>Regular astigmatism, right eye</td>
</tr>
<tr>
<td>H52.222</td>
<td>Regular astigmatism, left eye</td>
</tr>
<tr>
<td>H52.223</td>
<td>Regular astigmatism, bilateral</td>
</tr>
<tr>
<td>H52.229</td>
<td>Regular astigmatism, unspecified eye</td>
</tr>
</tbody>
</table>

Astigmatism is more complicated
Alphabetical Index: External Hordeolum (397.11)

- Eye, eyeball, eyelid — see condition
- Sty, stye (external) (internal) (meibomian) (zeisian) — see Hordeolum
- Hordeolum (eyelid) (externum) (recurrent) H00.019
  - internum H00.029
  -- left H00.026
  --- lower H00.025
  ---- upper H00.024
  -- right H00.023
  --- lower H00.022
  ---- right H00.021
  - left H00.016
  - - lower H00.015
  - - upper H00.014 ...
**Tabular List:**

**Hordeolum, External H00.01 (379.11)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H00</td>
<td>Hordeolum and chalazion</td>
</tr>
<tr>
<td>H00.0</td>
<td>Hordeolum (externum) (internum) of eyelid</td>
</tr>
<tr>
<td>H00.01</td>
<td>Hordeolum externum</td>
</tr>
<tr>
<td>H00.01</td>
<td>Hordeolum NOS</td>
</tr>
<tr>
<td>H00.01</td>
<td>Stye</td>
</tr>
<tr>
<td>H00.011</td>
<td>Hordeolum externum right upper eyelid</td>
</tr>
<tr>
<td>H00.012</td>
<td>Hordeolum externum right lower eyelid</td>
</tr>
<tr>
<td>H00.013</td>
<td>Hordeolum externum right eye, unspecified eyelid</td>
</tr>
<tr>
<td>H00.014</td>
<td>Hordeolum externum left upper eyelid</td>
</tr>
<tr>
<td>H00.015</td>
<td>Hordeolum externum left lower eyelid</td>
</tr>
<tr>
<td>H00.016</td>
<td>Hordeolum externum left eye, unspecified eyelid</td>
</tr>
<tr>
<td>H00.019</td>
<td>Hordeolum externum unspecified eye, unspecified eyelid</td>
</tr>
<tr>
<td>H00.02</td>
<td>Hordeolum internum</td>
</tr>
<tr>
<td></td>
<td>Infection of meibomian gland</td>
</tr>
</tbody>
</table>

*Code to specific eye and eyelid when possible and appropriate per Tabular Listing*
Alphabetical Index: Blepharitis 373.00

Blepharitis (angularis) (ciliaris) (eyelid) (marginal) (nonulcerative) H01.009

- herpes zoster B02.39
  - left H01.006
  - lower H01.005
  - upper H01.004
  - right H01.003
- lower H01.002
- upper H01.001
- squamous H01.029
  - left H01.026
  - lower H01.025
  - upper H01.024
  - right H01.023
- lower H01.022
- upper H01.021
- ulcerative H01.019
  - left H01.016
  - lower H01.015
  - upper H01.014
  - right H01.013
  - lower H01.012
  - upper H01.011

Note that H zoster blepharitis is under different code set- B
Tabular List: Blepharitis H01.0 (373.00)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H01.0</td>
<td>Blepharitis</td>
</tr>
<tr>
<td>H01.00</td>
<td>Unspecified blepharitis</td>
</tr>
<tr>
<td>H01.001</td>
<td>Unspecified blepharitis right upper eyelid</td>
</tr>
<tr>
<td>H01.002</td>
<td>Unspecified blepharitis right lower eyelid</td>
</tr>
<tr>
<td>H01.003</td>
<td>Unspecified blepharitis right eye, unspecified eyelid</td>
</tr>
<tr>
<td>H01.004</td>
<td>Unspecified blepharitis left upper eyelid</td>
</tr>
<tr>
<td>H01.005</td>
<td>Unspecified blepharitis left lower eyelid</td>
</tr>
<tr>
<td>H01.006</td>
<td>Unspecified blepharitis left eye, unspecified eyelid</td>
</tr>
<tr>
<td>H01.009</td>
<td>Unspecified blepharitis unspecified eye, unspecified eyelid</td>
</tr>
</tbody>
</table>

**Excludes1 Note!**

**REMEMBER:** Blepharitis has two other categories: Ulcerative H01.01 and Squamous H01.02
**Other Things to Notice in Eyelid Section**

Trichiasis is separate section for trichiasis without entropion as opposed to entropion – broken into unspecified, cicatricial, mechanical, senile and spastic

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H02.0</td>
<td><strong>Entropian and trichiasis of eyelid</strong></td>
</tr>
<tr>
<td>H02.05</td>
<td>Trichiasis without entropian</td>
</tr>
<tr>
<td>H02.051</td>
<td>Trichiasis without entropian right upper eyelid</td>
</tr>
<tr>
<td>H02.052</td>
<td>Trichiasis without entropian right lower eyelid</td>
</tr>
<tr>
<td>H02.053</td>
<td>Trichiasis without entropian right eye, unspecified eyelid</td>
</tr>
<tr>
<td>H02.054</td>
<td>Trichiasis without entropian left upper eyelid</td>
</tr>
<tr>
<td>H02.055</td>
<td>Trichiasis without entropian left lower eyelid</td>
</tr>
<tr>
<td>H02.056</td>
<td>Trichiasis without entropian left eye, unspecified eyelid</td>
</tr>
<tr>
<td>H02.059</td>
<td>Trichiasis without entropian unspecified eye, unspecified eyelid</td>
</tr>
</tbody>
</table>

Entropion is spelled entropian in part of entry of CDC official version
Disorders of conjunctiva (H10 – H11)

H10.0 Mucopurulent conjunctivits
H10.1 Acute Atopic conjunctivitis
H10.2 Other acute conjunctivitis
H10.3 Unspecified acute conjunctivitis
H10.4 Chronic conjunctivitis
H10.5 Blepharoconjunctivitis
H10.8 Other conjunctivitis
H11.0 Pterygium of eye
H11.1 Conjunctival degenerations and deposits
H11.2 Conjunctival scars
H11.3 Conjunctival hemorrhage
H11.4 other conjunctival vascular disorders and cysts
H11.8 Other specified disorders of conjunctiva
H11.9 Unspecified disorder of conjunctiva

Each of these subcategories are further divided into right eye, left eye, bilateral or unspecified eye codes
Disorders of Conjunctiva Exclusions–H10

H10 Conjunctivitis

**Excludes**: keratoconjunctivitis (H16.2–)

- **H10.21** Acute toxic conjunctivitis
- Acute chemical conjunctivitis
- Code first (T51–T65) to identify chemical and intent
  - **Excludes**: burn and corrosion of eye and adnexa (T26.–)

H10.3 Unspecified acute conjunctivitis

**Excludes**: ophthalmia neonatorum NOS (P39.1)

H10.44 Vernal conjunctivitis

**Excludes**: vernal keratoconjunctivitis with limbar and corneal involvement (H16.26–)

H10.81 Pingueculitis

**Excludes**: pinguecula (H11.15–)

**Code First Note**

Important to note all Excludes Notes
Disorders of Conjunctiva Exclusions–H11

H11 Other disorders of conjunctiva
   Excludes1: keratoconjunctivitis (H16.2–)

H 11.0 Pterygium of eye
   Excludes1: pseudopterygium (H11.81–)

H11.1 Conjunctival degenerations and deposits
   Excludes2: pseudopterygium (H11.81)

H11.14 Conjunctival xerosis, unspecified
   Excludes1: xerosis of conjunctiva due to vitamin A deficiency
   (E50.0, E50.1)

H11.15 Pinguecula
   Excludes1: pingueculitis (H10.81–)
Alphabetical Index: Conjunctivitis
(372.01, 372.05, 372.13, 372.14)
Conjunctivitis (staphylococcal) (streptococcal) NOS H10.9

- Acanthamoeba B60.12 – acute H10.3
- – atopic H10.1
- – mucopurulent H10.02
- – – follicular H10.01
- – chemical (see also Corrosion, cornea) H10.21
- – pseudomembranous H10.22
- – serous except viral H10.23
- – – viral — see Conjunctivitis, viral
- – toxic H10.21
- adenoviral (acute) (follicular) B30.1
- allergic (acute) — see Conjunctivitis, acute, atopic
- – chronic H10.45

etc  MANY MORE CODES UNDER CONJUNCTIVITIS
Tabular List
Conjunctivitis, acute mucopurulent H10.02–
Conjunctivitis H10

Excludes1 keratoconjunctivitis (H16.2–)
H10.0 Mucopurulent conjunctivitis
   H10.01 Acute follicular conjunctivitis
      H10.011 Acute follicular conjunctivitis, right eye
      H10.012 Acute follicular conjunctivitis left eye
      H10.013 Acute follicular conjunctivitis bilateral
      H10.019 Acute follicular conjunctivitis unspecified eye
   H10.02 Other mucopurulent conjunctivitis
      H10.021 Other mucopurulent conjunctivitis right eye
      H10.022 Other mucopurulent conjunctivitis left eye
      H10.023 Other mucopurulent conjunctivitis bilateral
      H10.029 Other mucopurulent conjunctivitis unspecified eye

“Run of the mill” bacterial conjunctivitis is typically under mucopurulent conjunctivitis
Also simple, follicular, etc

Must specify eye when coding conjunctivitis
Many other codes for conjunctivitis exist
Alphabetical Index

Conjunctivitis, viral, adenovirus (372.01)

- - - serous except viral H10.23-
- - - viral —see Conjunctivitis, viral
- - toxic H10.21-
- adenoviral (acute) (follicular) B30.1
- allergic (acute) —see Conjunctivitis, acute, atopic
- - chronic H10.45
- - - vernal H10.44
- anaphylactic —see Conjunctivitis, acute, atopic
- Apollo B30.3
- atopic (acute) —see Conjunctivitis, acute, atopic

Note:
Code not in H10 section But in B section
USE ALPHABETICAL INDEX TO LOOK UP CODES
Tabular List
Conjunctivitis, viral, adenovirus B30.1

B30  Viral conjunctivitis

Excludes1: herpesviral [herpes simplex] ocular disease (B00.5)
ocular zoster (B02.3)

B30.0 Keratoconjunctivitis due to adenovirus
Epidemic keratoconjunctivitis
Shipyard eye

B30.1 Conjunctivitis due to adenovirus
Acute adenoviral follicular conjunctivitis
Swimming-pool conjunctivitis

B30.2 Viral pharyngoconjunctivitis

Note Excludes1 under heading
Note specific code definition
NOT PER EYE HERE
Alphabetic Index: Dry Eye Syndrome (375.15)

Dry, dryness — *see also condition*
- larynx J38.7
- mouth R68.2
- due to dehydration E86.0
- nose J34.89
- socket (teeth) M27.3
- throat J39.2

Keratoconjunctivitis H16.20—...
sicca (Sjogren's) M35.0—
-- not Sjogren's H16.22—

Syndrome — *see also Disease*
- dry eye H04.12—

NO DRY EYE LISTED

FINALLY find under “syndrome”
Tabular List: Dry Eye Syndrome

(375.15;370.33)

H04.12 Dry eye syndrome
  Tear film insufficiency, NOS
    H04.121 Dry eye syndrome of right lacrimal gland
    H04.122 Dry eye syndrome of left lacrimal gland
    H04.123 Dry eye syndrome of bilateral lacrimal glands
    H04.129 Dry eye syndrome of unspecified lacrimal gland

H16.22 Keratoconjunctivitis sicca, not specified as Sjögren's
  Excludes1: Sjögren's syndrome (M35.01)
    H16.221 Keratoconjunctivitis sicca, not specified as Sjögren's, right eye
    H16.222 Keratoconjunctivitis sicca, not specified as Sjögren's, left eye
    H16.223 Keratoconjunctivitis sicca, not specified as Sjögren's, bilateral
    H16.229 Keratoconjunctivitis sicca, not specified as Sjögren's, unspecified eye

Note:
Dry eye is under lacrimal
Keratitis sicca is under keratitis
Cataract, Nuclear Sclerotic (366.16)
Alphabetic Index

Cataract (cortical) (immature) (incipient) H26.9
- with
  -- neovascularization — see Cataract, complicated
- age-related — see Cataract, senile
- anterior
  -- and posterior axial embryonal Q12.0
- pyramidal Q12.0
- associated with
  -- galactosemia E74.21 [H28]
  -- myotonic disorders G71.19 [H28]
- nuclear
  -- embryonal Q12.0
  -- sclerosis — see Cataract, senile, nuclear
- senile H25.9
  -- nuclear (sclerosis) H25.1-
  -- polar subcapsular (anterior) (posterior) — see Cataract, senile, incipient
  -- punctate — see Cataract, senile, incipient

Note descriptions in ( ) not for senile

“Age related” links to Cataract, senile

“Nuclear” directs to Cataract, senile, nuclear

Finally directed to proper subcategory
Tabular List
Cataract, nuclear sclerotic, senile H25.1

Disorders of lens (H25-H28)
H25 Age-related cataract
Senile cataract

Excludes: capsular glaucoma with pseudoexfoliation of lens (H40.1-)

H25.1 Age-related nuclear cataract
Cataracta brunescens
Nuclear sclerosis cataract
H25.10 Age-related nuclear cataract, unspecified eye
H25.11 Age-related nuclear cataract, right eye
H25.12 Age-related nuclear cataract, left eye
H25.13 Age-related nuclear cataract, bilateral

Note 5th and 6th digits – Sometimes 9 = unspecified, sometimes 0 = unspecified

Make sure you note heading Excludes notes!
Alphabetical Index: Pseudophakia

Pseudoparalysis
- arm or leg R29.818
- atonic, congenital P94.2
Pseudopelade L66.0
Pseudophakia Z96.1
Pseudopolyarthritis, rhizomelic M35.3
Pseudopolycythemia D75.1
Pseudopseudohypoparathyroidism E20.1
Tabular Listing: Pseudophakia

Found in Chapter 21: Factors Influencing Health Status and Contact

Z96 Presence of other functional implants
  Excludes2: complications of internal prosthetic devices, implants and grafts (T82-T85) fitting and adjustment of prosthetic and other devices (Z44-Z46)
  Z96.0 Presence of urogenital implants
  Z96.1 Presence of intraocular lens
  Presence of pseudophakia

This one is EASY!

Could be difficult to find proper code if do not use Alphabetical Index first!!
Disorders of choroid and retina (H30–H36)

Categories

• H30  Chorioretinal inflammation
• H31  Other disorders of choroid
• H32  Chorioretinal disorders in diseases classified elsewhere
• H33  Retinal detachments and breaks
• H34  Retinal vascular occlusions
• H35  Other retinal disorders
• H36  Retinal disorders in diseases classified elsewhere
Disorders of choroid and retina H32

Entire Section

H32  Chorioretinal disorders in diseases classified elsewhere

**Code first** underlying disease, such as:
- congenital toxoplasmosis (P37.1)
- histoplasmosis (B39.-)
- leprosy (A30.-)

**Excludes1:** chorioretinitis (in):
- toxoplasmosis (acquired) (B58.01)
- tuberculosis (A18.53)

**Code First:** Must code the other disease before code the chorioretinal disorder

**Excludes1** code means you cannot code these diagnoses together
Chorioretinal Scar of Posterior Pole Example

Alphabetic Index

Scar, scarring (*see also* Cicatrix) L90.5
- chorioretinal H31.00–
  – – posterior pole macula H31.01–
  – – postsurgical H59.81–
  – – solar retinopathy H31.02–
  – – specified type NEC H31.09–
– choroid — *see* Scar, chorioretinal

Go to H31.01– or H 31.02– section of tabular listing
Depends on cause of the scar
Chorioretinal Scar, Posterior Pole OD Example

Tabular Index

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H31.01</td>
<td>Macula scars of posterior pole (postinflammatory) (post-traumatic)</td>
</tr>
<tr>
<td></td>
<td>Excludes1: postprocedural chorioretinal scar (H59.81-)</td>
</tr>
<tr>
<td>H31.011</td>
<td>Macula scars of posterior pole (postinflammatory) (post-traumatic), right eye</td>
</tr>
<tr>
<td>H31.012</td>
<td>Macula scars of posterior pole (postinflammatory) (post-traumatic), left eye</td>
</tr>
<tr>
<td>H31.013</td>
<td>Macula scars of posterior pole (postinflammatory) (post-traumatic), bilateral</td>
</tr>
<tr>
<td>H31.019</td>
<td>Macula scars of posterior pole (postinflammatory) (post-traumatic), unspecified eye</td>
</tr>
</tbody>
</table>

Appropriate code is H31.011 if macular

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H31.02</td>
<td>Solar retinopathy</td>
</tr>
<tr>
<td>H31.021</td>
<td>Solar retinopathy, right eye</td>
</tr>
<tr>
<td>H31.022</td>
<td>Solar retinopathy, left eye</td>
</tr>
<tr>
<td>H31.023</td>
<td>Solar retinopathy, bilateral</td>
</tr>
<tr>
<td>H31.029</td>
<td>Solar retinopathy, unspecified eye</td>
</tr>
</tbody>
</table>

But could be H31.021 if known solar retinopathy scar
Toxoplasmosis Scarring of Choroid OS

Alphabetic Index

Chorioretinitis — see also Inflammation, chorioretinal
  - disseminated — see also Inflammation, chorioretinal, disseminated...
    - focal — see also Inflammation, chorioretinal, focal
      - histoplasmic B39.9 [H32]
    - in (due to)
      - histoplasmosis B39.9 [H32]
      - syphilis (secondary) A51.43
      - late A52.71
      - toxoplasmosis (acquired) B58.01
      - congenital (active) P37.1 [H32]...

Toxoplasma, toxoplasmosis (acquired) B58.9
  - with
    - hepatitis B58.1
    - meningoencephalitis B58.2
    - ocular involvement B58.00
    - other organ involvement B58.89
    - pneumonia, pneumonitis B58.3
    - congenital (acute) (subacute) (chronic) P37.1

The section to review for toxoplasmosis ocular involvement—both references
Toxoplasmosis Scarring of Choroid OS
Tabular Lookup

<table>
<thead>
<tr>
<th>Code</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B58</td>
<td>Toxoplasmosis</td>
</tr>
<tr>
<td>B58.0</td>
<td>Toxoplasma oculopathy</td>
</tr>
<tr>
<td>B58.00</td>
<td>Toxoplasma oculopathy, unspecified</td>
</tr>
<tr>
<td>B58.01</td>
<td>Toxoplasma chorioretinitis</td>
</tr>
<tr>
<td>B58.09</td>
<td>Other toxoplasma oculopathy</td>
</tr>
</tbody>
</table>

**Includes:** infection due to Toxoplasma gondii

**Excludes1:** congenital toxoplasmosis (P37.1)

**H32** Chorioretinal disorders in diseases classified elsewhere

**Code first** underlying disease, such as:
- congenital toxoplasmosis (P37.1)
- histoplasmosis (B39.-)
- leprosy (A30.-)

**Excludes1:** chorioretinitis (in):
- toxoplasmosis (acquired) (B58.01)
- tuberculosis (A18.53)

---

Toxoplasmosis scar of choroid code found here
Not under H 30 or H31 sections
REMEMBER Excludes1 note reviewed

Code would be B58.01
NOT PER EYE
Choroidal Nevus, Both eyes Example
Alphabetical Index

Nevus D22.9
- achromic — *see Neoplasm, skin, benign*
- amelanotic — *see Neoplasm, skin, benign*

... 

- choroid D31.3-
- comedonicus Q82.5
- conjunctiva D31.0-

**Note:** Choroidal & conjunctival nevus are NOT under H
Choroidal Nevus, Both eyes Example

Tabular Listing

D10-D36  Benign neoplasms, except benign neuroendocrine tumors

D31  Benign neoplasm of eye and adnexa
  Excludes1: benign neoplasm of connective tissue of eyelid (D21.0)
  benign neoplasm of optic nerve (D33.3)
  benign neoplasm of skin of eyelid (D22.1, D23.1)

D31.3  Benign neoplasm of choroid
  D31.30  Benign neoplasm of unspecified choroid
  D31.31  Benign neoplasm of right choroid
  D31.32  Benign neoplasm of left choroid

Note this code is per eye while some are NOT PER EYE
NEED TO USE BOTH D31.31 AND D31.32
Alphabetic Index: Disorders of the Retina H33

Retinochoroiditis — see also Inflammation, chorioretinal
- disseminated — see Inflammation, chorioretinal, disseminated
- focal — see Inflammation, chorioretinal
- juxtapapillaris — see Inflammation, chorioretinal, focal, juxtapapillary …

Retinopathy (background) H35.00
- arteriosclerotic I70.8 [H35.0–]
- atherosclerotic I70.8 [H35.0–]
- central serous — see Chorioretinopathy, central serous
- Coats H35.02–
- diabetic — see Diabetes, retinopathy
- exudative H35.02–
- hypertensive H35.03– …

Retinoschisis H33.10–
- congenital Q14.1
- specified type NEC H33.19–

Carefully note sections and codes in [ ]

For Alphabetic Index
Both conditions are listed together
Etiology first then manifestation codes [ ]
Code in brackets always coded second
BUT sometimes NOT noted in Alphabetic Index!!
ICD–10–CM: HTN Retinopathy

Sequencing Order ➤ Tabular Notes

H35  Other retinal disorders


H35.0  Background retinopathy and retinal vascular changes

Code Also any associated hypertension (I10.–)

H35.00  Unspecified background retinopathy

H35.03  Hypertensive retinopathy

H35.031  Hypertensive retinopathy, right eye
H35.032  Hypertensive retinopathy, left eye
H35.033  Hypertensive retinopathy, bilateral
H35.039  Hypertensive retinopathy, unspecified eye

Code Also tells you to code HTN first but not in Alphabetic Index
ICD–10–CM: HTN Retinopathy

Sequencing Order ➤ Tabular Notes

I10 Essential (primary) hypertension

Includes: high blood pressure

hypertension (arterial) (benign) (essential) (malignant)(primary) (systemic)

Excludes1: hypertensive disease complicating pregnancy, childbirth and the puerperium
(O10–O11, O13–O16)

Excludes2: essential (primary) hypertension involving vessels of brain (I60–I69)

essential (primary) hypertension involving vessels of eye (H35.0–)

I 10 Essential Hypertension
H35.033 Hypertensive Retinopathy, bilateral

Must code both and must be in this order per alphabetical index and tabular list instructions
Retinal Detachment Giant Tear–Right Eye

Alphabetical Index

Detachment
  – retina (without retinal break) (serous) H33.2–
  –  – with retinal:
    –  –  – break H33.00–
    –  –  –  – giant H33.03–

This would be starting point

REMEMBER:
Very few listings under retina so must look under condition– detachment
Age Related Macular Degeneration
Alphabetic Index

Macula
- cornea, corneal — see Opacity, cornea
- degeneration (atrophic) (exudative) (senile) — see also Degeneration, macula
  - hereditary — see Dystrophy, retina

Degeneration, degenerative
- macula, macular (acquired) (age-related) (senile) H35.30
  - angioid streaks H35.33
  - atrophic age-related H35.31
  - congenital or hereditary — see Dystrophy, retina
  - cystoid H35.35–
  - drusen H35.36–
  - exudative H35.32
  - hole H35.34–
  - nonexudative H35.31
  - puckering H35.37–
  - toxic H35.38–

Options H35.30 or H35.32 or H35.31
Depending on type of ARMD

AMERICAN OPTOMETRIC ASSOCIATION
ARMD–Moderate Dry Right, Mild Left
Tabular Look Up

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H35.3</td>
<td>Degeneration of macula and posterior pole</td>
</tr>
<tr>
<td>H35.30</td>
<td>Unspecified macular degeneration</td>
</tr>
<tr>
<td></td>
<td>Age-related macular degeneration</td>
</tr>
<tr>
<td>H35.31</td>
<td>Nonexudative age-related macular degeneration</td>
</tr>
<tr>
<td></td>
<td>Atrophic age-related macular degeneration</td>
</tr>
<tr>
<td>H35.32</td>
<td>Exudative age-related macular degeneration</td>
</tr>
<tr>
<td>H35.36</td>
<td>Drusen (degenerative) of macula</td>
</tr>
<tr>
<td>H35.361</td>
<td>Drusen (degenerative) of macula, right eye</td>
</tr>
<tr>
<td>H35.362</td>
<td>Drusen (degenerative) of macula, left eye</td>
</tr>
<tr>
<td>H35.363</td>
<td>Drusen (degenerative) of macula, bilateral</td>
</tr>
<tr>
<td>H35.369</td>
<td>Drusen (degenerative) of macula, unspecified eye</td>
</tr>
</tbody>
</table>

When you THOUGHT you had figured it out! NOT eye specific and NOT degree specific!

If only drusen you would code H35.36- AND IS PER EYE!
Coding Guidelines for Glaucoma

1. Assigning Glaucoma Codes
Assign as many codes from category H40, Glaucoma, necessary to identify
a) type of glaucoma
b) affected eye
c) glaucoma stage

2. Bilateral glaucoma with same type and stage
If code for bilateral glaucoma, report only bilateral code, with seventh character for stage
If no code for bilateral glaucoma, report only one code for type of glaucoma with seventh character for stage
Coding Guidelines for Glaucoma

3. Bilateral glaucoma stage with different types or stages

a) Each eye different type or stage, and the classification distinguishes laterality = one code for each eye

b) Each eye different type, but classification does not distinguish laterality = one code for each type of glaucoma with seventh character for stage (subcategories H40.10, H40.11 and H40.20)

b) Each eye has same type, but different stage, and classification does not distinguish laterality =

   THEN

One code for type for each eye + seventh character for stage for each eye
4. Indeterminate stage glaucoma

Assignment seventh character “4” for “indeterminate stage” based on clinical documentation – use when stage cannot be clinically determined

This seventh character “0”, unspecified, which should be assigned when no documentation regarding stage of glaucoma

If you are not familiar with Glaucoma Staging – see link below

http://www.americanglaucomasociety.net/professionals/glaucoma_staging_codes_teaching_module/
Coding Guidelines for Glaucoma

One of the following 7th characters is to be assigned to code H40.10 to designate the stage of glaucoma:

- 0 - stage unspecified
- 1 - mild stage
- 2 - moderate stage
- 3 - severe stage
- 4 - indeterminate stage

Each glaucoma code that requires 7th character is clearly indicated in Tabular Listing.
Primary Open Angle Glaucoma OU
Mild OD, severe OS

Alphabetical Index

Glaucoma:
- open angle H40.10–
  - – primary H40.11–
  - – – capsular (with pseudoexfoliation of lens) H40.14–
  - – – low-tension H40.12–
  - – – pigmentary H40.13–
  -- residual stage H40.15–

Must go to section H40.11– in Tabular Listing
Primary Open Angle Glaucoma OU
Mild OD, severe OS

Tabular Listing H40.11–
This code is NOT per eye!!

H40.11 Primary open-angle glaucoma
Chronic simple glaucoma
One of the following 7th characters is to be assigned to code H40.11 to designate the stage of glaucoma
0 - stage unspecified
1 - mild stage
2 - moderate stage
3 - severe stage
4 - indeterminate stage

Final Codes–must have BOTH codes AND X placeholder
H40.11X1 and H40.11X3
Mixed Glaucoma Example

Low Tension Glaucoma, left eye, moderate stage
Primary Open Angle Glaucoma, right eye, severe stage

Alphabetical Index:
Glaucoma:
- low tension —see Glaucoma, open angle, primary, low-tension
  - – primary H40.11–
  - – – capsular (with pseudoexfoliation of lens) H40.14–
  - – – low-tension H40.12–
  - – – pigmentary H40.13–
  - – residual stage H40.15–

Must go to section H40.11 and H40.12– in Tabular Listing
Mixed Glaucoma Example

Low Tension Glaucoma, left eye, moderate stage
Primary Open Angle Glaucoma, right eye, severe stage

Tabular Listing 40.12 - This code IS per eye!!

7th required ► H40.1222
This one already has 6 places so no “X” necessary

Final Codes Required
H40.11x3 and H40.1222
Diabetes and Diabetic Retinopathy Type II
Alphabetic Index

Diabetes, diabetic (mellitus) (sugar) E11.9
-With
  
  ...-
  - cataract E11.36
  ...
  - - retinopathy E11.319
  - - - with macular edema E11.311
  - - - nonproliferative E11.329
  - - - - with macular edema E11.321
  - - - - mild E11.329
  - - - - - with macular edema E11.321
  - - - - - moderate E11.339
  - - - - - with macular edema E11.331
  - - - - - severe E11.349
  - - - - - - with macular edema E11.341
  - - - - proliferative E11.359
  - - - - with macular edema E11.351

NOTE:
None of codes are under Retina section
Must look under Chapter 4
Codes E8–E13

NOTE: divisions under DM + retinopathy
## Diabetes and Diabetic Retinopathy Type II Tabular Listing

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11</td>
<td>Type 2 diabetes mellitus</td>
</tr>
</tbody>
</table>

**Includes:**
- diabetes (mellitus) due to insulin secretory defect
- diabetes NOS
- insulin resistant diabetes (mellitus)

**Use additional** code to identify any insulin use (Z79.4)

**Excludes1:**
- diabetes mellitus due to underlying condition (E08.-)
- drug or chemical induced diabetes mellitus (E09.-)
- gestational diabetes (O24.4)
- neonatal diabetes mellitus (P70.2)
- postpancreatectomy diabetes mellitus (E13.-)
- postprocedural diabetes mellitus (E13.-)
- secondary diabetes mellitus NEC (E13.-)
- type 1 diabetes mellitus (E10.-)

---

**Use Additional**

**Excludes1**
- Each type of DM has separate section

Type I and Type II are separate sections

“Use Additional Code” Note
### Diabetes and Diabetic Retinopathy Type II

**Tabular Listing**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11.3</td>
<td>Type 2 diabetes mellitus with ophthalmic complications</td>
</tr>
<tr>
<td>E11.31</td>
<td>Type 2 diabetes mellitus with unspecified diabetic retinopathy</td>
</tr>
<tr>
<td>E11.311</td>
<td>Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema</td>
</tr>
<tr>
<td>E11.319</td>
<td>Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema</td>
</tr>
<tr>
<td>E11.32</td>
<td>Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy NOS</td>
</tr>
<tr>
<td>E11.321</td>
<td>Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema</td>
</tr>
<tr>
<td>E11.329</td>
<td>Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema</td>
</tr>
<tr>
<td>E11.33</td>
<td>Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy</td>
</tr>
<tr>
<td>E11.331</td>
<td>Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema</td>
</tr>
<tr>
<td>E11.339</td>
<td>Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema</td>
</tr>
</tbody>
</table>
# Diabetes and Diabetic Retinopathy Type II Tabular Listing

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11.34</td>
<td>Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy</td>
</tr>
<tr>
<td>E11.341</td>
<td>Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema</td>
</tr>
<tr>
<td>E11.349</td>
<td>Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema</td>
</tr>
<tr>
<td>E11.35</td>
<td>Type 2 diabetes mellitus with proliferative diabetic retinopathy</td>
</tr>
<tr>
<td>E11.351</td>
<td>Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema</td>
</tr>
<tr>
<td>E11.359</td>
<td>Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema</td>
</tr>
<tr>
<td>E11.36</td>
<td>Type 2 diabetes mellitus with diabetic cataract</td>
</tr>
<tr>
<td>E11.39</td>
<td>Type 2 diabetes mellitus with other diabetic ophthalmic complication</td>
</tr>
</tbody>
</table>

Use additional code to identify manifestation, such as: diabetic glaucoma (H40-H42)

Each type of retinopathy has its own code:
- Non-proliferative – Mild, Moderate, Severe
- Proliferative

With and without Macular Edema
Diabetes and Diabetic Retinopathy Type II Tabular Listing

IDDM Type II with moderate non-proliferative retinopathy without macular edema

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11.33</td>
<td>Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy</td>
</tr>
<tr>
<td></td>
<td><strong>E11.331</strong> Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema</td>
</tr>
<tr>
<td></td>
<td><strong>E11.339</strong> Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema</td>
</tr>
</tbody>
</table>

Code as:
E11.339 and Z79.4

Remember “Use Additional Code” Note for Insulin use
Ocular Injury Coding Principles
External Cause, Activity, Place of Occurrence

1. **External causes** of morbidity codes never sequenced as first diagnosis

2. **External cause code** used for **length of treatment** with appropriate 7th character

3. Assign as many external cause codes as necessary

4. **Combination external cause codes** should correspond to **sequence of events** without regard for which caused most serious injury
   - fall causing a strike against something injury
Ocular Injury Coding Principles
External Cause, Activity, Place of Occurrence
Secondary Codes

1. Place of occurrence (Y92)
   Location of the patient at time of injury or other condition

2. Activity code (Y93)
   Describe activity at time of injury or other health condition

3. External cause status code (Y99)
   Military, Civilian Work, Volunteer, Other Work, Not specified

Place of occurrence, activity, and external cause status codes are sequenced after main external cause code(s)
Ocular Injury Coding Principles
External Cause, Activity, Place of Occurrence

There is no national requirement for mandatory ICD–10–CM external cause code reporting. Unless a provider is subject to a state–based external cause code reporting mandate or these codes are required by a particular payer, reporting of ICD–10–CM codes in Chapter 20, External Causes of Morbidity, is not required.

In the absence of a mandatory reporting requirement, providers are encouraged to voluntarily report external cause codes, as they provide valuable data for injury research and evaluation of injury prevention strategies.
Chief complaint: “My right eye hurts”

Cutting tree limbs in my yard this morning when I bumped into a branch. Since then, my right eye has been tearing and watering. Sensitive to light and painful.

Finding: Corneal abrasion of central cornea in right eye

Diagnosis: Corneal abrasion OD

But how do we code this injury?
Corneal Abrasion, right eye, central–Tree limb

Alphabetic Index
Cornea – see condition

... Abrasion T14.8

... –cornea S05.0–

Go to S05.0– section in Chapter 19 Tabular Listing
Corneal Abrasion, right eye, central–Tree limb

Chapter 19

Injury, poisoning and certain other consequences of external causes (S00-T88)

Note: Use secondary code(s) from Chapter 20, External causes of morbidity, to indicate cause of injury.

Use additional code to identify any retained foreign body, if applicable (Z18.-)

Note: The chapter uses the S-section for coding different types of injuries related to single body regions

S05 Injury of eye and orbit

Includes: open wound of eye and orbit

Excludes: 2nd cranial [optic] nerve injury (S04.0-)
3rd cranial [oculomotor] nerve injury (S04.1-)
open wound of eyelid and periorcular area (S01.1-)
orbital bone fracture (S02.1-, S02.3-, S02.8-)
superficial injury of eyelid (S00.1-S00.2)

The appropriate 7th character is to be added to each code from category S05

NOTE: DIFFERENT 7th character than glaucoma!!
Corneal Abrasion, right eye, central–Tree limb

S05.0 Injury of conjunctiva and corneal abrasion without foreign body

Excludes1: foreign body in conjunctival sac (T15.1)
fine body in cornea (T15.0)

S05.00 Injury of conjunctiva and corneal abrasion without foreign body, unspecified eye
S05.01 Injury of conjunctiva and corneal abrasion without foreign body, right eye
S05.02 Injury of conjunctiva and corneal abrasion without foreign body, left eye

S05.01 is part of code but need 7th character AND external cause

The appropriate 7th character is to be added to each code from category S05
  A - initial encounter
  D - subsequent encounter
  S - sequela
Corneal Abrasion: right eye, central–Tree limb

Diagnosis for initial encounter for injury
Code is S05.01XA

Diagnosis for subsequent encounter for injury
Code is S05.01XD

Diagnosis for sequela to original injury
Code is S05.01XS

Now find EXTERNAL CAUSE for injury
Corneal Abrasion: right eye, central–Tree limb

But First ➔ Sequela (Late Effects)
Residual effect (condition produced) after acute phase of illness or injury

No time limit on when sequela code can be used
may be apparent early or may occur months or years later

Coding of sequela generally requires two codes sequenced in following order:
1. Condition or nature of sequela first
2. Sequela code is sequenced second

Recurrent corneal erosion following an initial abrasion
H18.831 then S05.01xS
Corneal Abrasion: right eye, central–Tree limb

Use secondary code(s) from Chapter 20–
(External causes of morbidity) to indicate cause of injury when code of condition requires

When review all index in Chapter 20
MAYBE:

Y21-Y33  Event of undetermined intent

Y29  Contact with blunt object, undetermined intent
The appropriate 7th character is to be added to code Y29
A - initial encounter
D - subsequent encounter
S - sequela

Y29 → Y29.XXXA, Y29.XXXD, Y29.XXXS
Corneal Abrasion: right eye, central–Tree limb

W00-X58  Other external causes of accidental injury

W22 Striking against or struck by other objects

Excludes1: striking against or struck by object with subsequent fall (W18.09)

The appropriate 7th character is to be added to each code from category W22
A - initial encounter
D - subsequent encounter
S - sequela

W22.8 Striking against or struck by other objects
Striking against or struck by object NOS

Excludes1: struck by thrown, projected or falling object (W20.-)

W22.8  →  W22.8XXA, W22.8XXD, W22.8XXS
Corneal Abrasion: right eye, central–Tree limb

S05.01XA and W22.8XXA or Y29.XXXA

Second code depends on whether you choose Bumped by or Striking against

OR is it?

Contact with nonvenomous plant thorns and spines and sharp leaves??

W60.XXXA, W60.XXXD, W60.XXXS

MAYBE…
Corneal Abrasion, right eye, central—Tree limb
Home Yard Work – No fall involved

Find Place of Occurrence Code – Y92

Y92 Place of occurrence of the external cause
The following category is for use, when relevant, to identify the place of occurrence of the external cause. Use in conjunction with an activity code.
Place of occurrence should be recorded only at the initial encounter for treatment

Y92.0 Non-institutional (private) residence as the place of occurrence of the external cause
Excludes1: abandoned or derelict house (Y92.89)
home under construction but not yet occupied (Y92.6-)
institutional place of residence (Y92.1-)

Y92.00 Unspecified non-institutional (private) residence as the place of occurrence of the external cause

Y92.007 Garden or yard of unspecified non-institutional (private) residence as the place of occurrence of the external cause

S05.01XA and W22.8XXA and Y92.007
(Injury) (External Cause) (Place)
Corneal Abrasion, right eye, central–Tree limb
Home Yard Work – No fall involved

Activity Code: what were they doing at time of injury/condition
Use with External Cause Code and Place of Occurrence Code

Y93 Activity codes

Note: Category Y93 is provided for use to indicate the activity of the person seeking healthcare for an injury or health condition, such as a heart attack while shoveling snow, which resulted from, or was contributed to, by the activity. These codes are appropriate for use for both acute injuries, such as those from chapter 19, and conditions that are due to the long-term, cumulative effects of an activity, such as those from chapter 13. They are also appropriate for use with external cause codes for cause and intent if identifying the activity provides additional information on the event. These codes should be used in conjunction with codes for external cause status (Y99) and place of occurrence (Y92).
Corneal Abrasion, right eye, central–Tree limb
Home Yard Work – No fall involved

Y93.H Activities involving exterior property and land maintenance, building and construction

Y93.H1 Activity, digging, shoveling and raking
- Activity, dirt digging
- Activity, raking leaves
- Activity, snow shoveling

Y93.H2 Activity, gardening and landscaping
- Activity, pruning, trimming shrubs, weeding

Y93.H3 Activity, building and construction

Y93.H9 Activity, other involving exterior property and land maintenance, building and construction

The record SHOULD indicate specifics → pruning trees

Activity Code = Y93.H2

S05.01XA + W22.8XXA + Y92.007 + Y93.H2
Corneal Abrasion, right eye, central–Tree limb
Home Yard Work – No fall involved

Y99 External cause status

Note: A single code from category Y99 should be used in conjunction with the external cause code(s) assigned to a record to indicate the status of the person at the time the event occurred.

This section is divided into:
- Civilian Work related
- Military related
- Volunteer related
- Other related (leisure, student, etc)
- Not specified related

Again, while example does not indicate external cause, the Record should
Corneal Abrasion, right eye, central–Tree limb
Home Yard Work – No fall involved

Y99 External cause status

Note: A single code from category Y99 should be used in conjunction with the external cause code(s) assigned to a record to indicate the status of the person at the time the event occurred.

Y99.0 Civilian activity done for income or pay
Civilian activity done for financial or other compensation
Excludes1: military activity (Y99.1)
volunteer activity (Y99.2)

Y99.1 Military activity
Excludes1: activity of off duty military personnel (Y99.8)

Y99.2 Volunteer activity
Excludes1: activity of child or other family member assisting in compensated work of other family member (Y99.8)

Y99.8 Other external cause status
Activity NEC
Activity of child or other family member assisting in compensated work of other family member
Hobby not done for income
Leisure activity
Off-duty activity of military personnel
Recreation or sport not for income or while a student
Student activity
Excludes1: civilian activity done for income or compensation (Y99.0)
military activity (Y99.1)

Y99.9 Unspecified external cause status

Y99.8 is the choice
Corneal Abrasion, right eye, central–Tree limb
Home Yard Work – No fall involved

Final Code Choices for Initial Encounter
S05.01XA  Actual injury – corneal abrasion OD
W22.8XXA  External cause– striking against object
(or Y29.XXXA  blunt object? or W60.XXXA– nonvenom plant)
Y92.007  Garden/yard private residence
Y93.H2  Activity, gardening and landscaping
Y99.8  Other external cause– leisure

Final Code Choices for Subsequent Encounter(s)
S05.01XD
W22.8XXD
Take Home Messages

1. Improve documentation to include specific details
2. Ensure your ICD-9-CM coding is very specific
3. Thinking about encounters in terms of ICD-10-CM
4. Practice coding encounters with ICD-10-CM
Take Home Messages

5. Review of office procedures for ICD-10-CM needs

6. Discussions ICD-10-CM preparation with vendors
   • EHR, clearinghouses, insurances

7. Begin educating yourself

8. Begin educating staff

9. Begin saving $$ in case payments are slow

10. Use caution with ICD-9-CM ➤ ICD-10-CM conversion tables-
    • Not always as specific as necessary
ICD–10–CM Resources

American Optometric Association
www.aoa.org/coding

AOA Coding Today
http://aoa.codingtoday.com/

CDC ICD–10–CM Official USA site
http://www.cdc.gov/nchs/icd/icd10cm.htm
2015 release of ICD–10–CM at bottom of page has all the downloads

CMS ICD–10–CM information

X World Health X but Use for general training only
http://apps.who.int/classifications/apps/icd/icd10training
QUESTIONS???

Submit any and all ICD–10–CM questions and any coding questions to:

https://www.aoa.org/ask-the-coding-experts
Now it is ALL CLEAR to Hank! And YOU, too!

RIGHT?
THANK YOU!!!!