**ESP-VAERS Case Identification and Reporting Protocol**

Version: 2.7

Date: October 9, 2019

The minimum age at vaccination for which potential adverse events will be captured is 38 days. There is no maximum age.

If patient was administered a vaccine, then monitor that patient for the next 42 days (or less, depending on the risk period indicated in the tables below) for the appearance of a new encounter with any of the following:

New Lab order

New Lab result (must be from lab ordered ≥1 day after vaccine encounter)

ICD-10 code entry

If none of the above appear within 42 days of the vaccine, then stop.

If any of the above appears, then continue:

**Action Categories**

|  |  |  |
| --- | --- | --- |
| **Category** | **Interpretation** | **Action** |
| One | Rare, severe adverse event on VAERS Table of Reportable Events Following Vaccination | 1. Message to clinician to comment on adverse event  2. Automatically send report to VAERS if no comment from clinician who ordered the vaccine within 7 days |
| Two | Possible novel adverse event not previously associated with vaccine | 1. Message clinician to confirm or decline adverse event |
| Three | Adverse event likely to be associated with the vaccination | 1. Message to clinician to comment on adverse event  2. Automatically send report to VAERS if no comment from clinician who ordered the vaccine within 7 days |
| C(Four) | Routine health visit highly unlikely to be adverse event | Discard |

**Significant findings**

**Adult lab results (ages ≥18 years)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Component name** | **Trigger Value** | **Unit** | **Exclusion\*** | **Risk Period** | **Action**  **Category** |
| Hemoglobin | <9 | g/dL | X > (LKV\*0.8) | 1-30 days | Two |
| Total WBC count | <3 | x109/L | X > (LKV\*0.7) | 1-30 days | Two |
| Neutrophils | <1.5 | x109/L | X > (LKV\*0.7) | 1-30 days | Two |
| Eosinophils | >0.8 | x109/L | X < (LKV\*1.2) | 1-30 days | Two |
| Lymphocytes | <0.70 | x109/L | X > (LKV\*0.6) | 1-30 days | Two |
| Platelet count | <150 | x109/L | X > (LKV\*0.7) | 1-30 days | Two |
| Platelet count | <100 | x109/L | X > (LKV\*0.7) | 1-30 days | One |
| Creatinine | >1.7 | mg/dL | X < (LKV\*1.3) | 1-30 days | Two |
| ALT | >120 | IU/L | X < (LKV\*2) | 1-30 days | Two |
| AST | >100 | IU/L | X < (LKV\*2) | 1-30 days | Two |
| Bilirubin (total) | >2.0 | mg/dL | X < (LKV\*1.2) | 1-30 days | Two |
| ALK | >600 | IU/L | X < (LKV\*1.3) | 1-30 days | Two |
| PTT | >60 | S | X < (LKV\*1.3) | 1-30 days | Two |
| Creatine kinase | >500 | U/L | X < (LKV\*1.3) | 1-30 days | Two |

Abbreviations: X – current lab value; LKV – last known lab value

\* If any of the 3 last known values to appear in the last 2 years meet the criterion listed, exclude.

**Pediatric lab results (ages 6 weeks to 17.99 years)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Component name** | **Trigger Value** | **Unit** | **Exclusion\*** | **Risk Period** | **Action**  **Category** |
| Hemoglobin | <8 | g/dL | X > (LKV\*0.8) | 1-30 days | Two |
| Total WBC count | <3.5 | x109/L | X > (LKV\*0.7) | 1-30 days | Two |
| Neutrophils | <1.5 | x109/L | X > (LKV\*0.7) | 1-30 days | Two |
| Eosinophils | >1.0 | x109/L | X < (LKV\*1.2) | 1-30 days | Two |
| Lymphocytes | <0.7 | x109/L | X > (LKV\*0.6) | 1-30 days | Two |
| Platelet count | <150 | x109/L | X > (LKV\*0.7) | 1-30 days | Two |
| Platelet count | <100 | x109/L | X > (LKV\*0.7) | 1-30 days | One |
| Creatinine | >1.2 | mg/dL | X < (LKV\*1.3) | 1-30 days | Two |
| ALT | >120 | IU/L | X < (LKV\*2) | 1-30 days | Two |
| AST | >160 | IU/L | X < (LKV\*2) | 1-30 days | Two |
| Bilirubin (total) | >2.0 | mg/dL | X < (LKV\*1.2) | 1-30 days | Two |
| ALK | >600 | IU/L | X < (LKV\*1.3) | 1-30 days | Two |
| PTT | >60 | S | X < (LKV\*1.3) | 1-30 days | Two |
| Creatine kinase | >500 | U/L | X < (LKV\*1.3) | 1-30 days | Two |

Abbreviations: X – current lab value; LKV – last known lab value

\* If any of the 3 last known values to appear in the last 2 years meet the criterion listed, exclude.

**Text search strings to find potential native labs for mapping to ESP lab heuristics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Component name** | **Alternative**  **Names** | **Alternative names** | **Alternate names** | **Alternate names** | **Alternate names** |
| Hemoglobin | Haemog | hgb | hemog | hb | hg |
| Total WBC count | WBC | white bl | leuk | leuc |  |
| Neutrophils | PMN | poly | neut |  |  |
| Eosinophils | Eo |  |  |  |  |
| Lymphocytes | Lymph |  |  |  |  |
| Platelet count | Plat | PLT | thromboc |  |  |
| Creatinine | Cr |  |  |  |  |
| ALT |  |  |  |  |  |
| AST |  |  |  |  |  |
| Bilirubin (total) | bil |  |  |  |  |
| ALK | alk | ALP |  |  |  |
| PTT | Plastin | PTT |  |  |  |
| Creatine kinase | Creat | CK | kinase | CPK |  |

**ICD-10 codes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Diagnosis** | **ICD10 Codes** | **Exclusion** | **Risk Period** | **Action**  **Category** |
| Allergic urticaria | L50.0 | None | 0-14 days | Two |
| Anaphylactic reaction due to vaccination  Anaphylactic reaction due to adverse effect of correct drug or medicament properly administered  Anaphylactic shock, unspec., initial encounter | [T80.52XA](https://www.icd10data.com/ICD10CM/Codes/S00-T88/T66-T78/T78-/T78.2XXA)  T88.6XXA  T78.2XXA | None | 0-7 days± | One |
| Angioneurotic edema | T78.3XXA | None | 0-7 days | Two |
| Arthus phenomenon | [T78.41XA](https://www.icd10data.com/ICD10CM/Codes/S00-T88/T66-T78/T78-/T78.41XA) | None | 0-3 days | Two |
| Acute appendicitis  Unspec. appendicitis | K35\*  K37 | Any of these codes within past 12 months | 1-30 days | Two |
| Arthritis:  Inflammatory polyarthropathy  Rubella arthritis  Postimmunization arthropathy  Other reactive arthropathies  Reactive arthropathies, unspec.  Arthropathy, unspec.  Other arthritis | M06.4  B06.82  M02.2\*  M02.8\*  M02.9  M12.9  M13\* | Any of these codes within past 12 months | 1-42 days± | One if after rubella, otherwise Two |
| Ataxia:  Cerebellar ataxia in DCE  Abnormalities of gait and mobility  Other lack of coordination | G32.81  R26\*  R27\* | Any of these codes within past 12 months | 1-30 days | Two |
| Bell’s palsy | G51.0 | Same code within past 12 months | 1-30 days | Two |
| Brachial neuritis:  Cervicobrachial syndrome  Radiculopathy, cervical region  Radiculopathy, cervicothoracic region | M53.1  M54.12  M54.13 | Any of these codes within past 12 months | 2-28 days± | Two  One if M54.12/M54.13 after tetanus-containing vaccine |
| Cellulitis – upper arm  Acute lymphangitis, axilla or upper limb | L03.113 (right)  L03.114 (left)  L03.121(R axilla)  L03.122(L axilla)  L03.123 (right)  L03.124 (left) | Any of these codes within past 3 months | 1-30 days† | Two |
| Cellulitis – buttock  Acute lymphangitis of buttock | L03.317  L03.327 | Any of these codes within past 3 months | 1-30 days† | Two |
| Cellulitis – thigh  Acute lymphangitis, lower limb | L03.115 (right)  L03.116 (left)  L03.125 (right)  L03.126 (left) | Any of these codes within past 3 months | 1-30 days† | Two |
| Cranial nerve disorders:  Trigeminal neuralgia  Atypical facial pain  Other disorders of trigeminal nerve  Disorder of trigeminal nerve, unspec.  Geniculate ganglionitis  Melkersson's syndrome  Facial myokymia  Other disorders of facial nerve  Disorder of facial nerve, unspec.  Disorders of olfactory nerve  Disorders of glossopharyngeal nerve  Disorders of vagus nerve  Disorders of hypoglossal nerve  Disorders of multiple cranial nerves  Disorders of other specified cranial nerves  Cranial nerve disorder, unspecified | G50.0  G50.1  G50.8  G50.9  G51.1  G51.2  G51.4  G51.8  G51.9  G52.0  G52.1  G52.2  G52.3  G52.7  G52.8  G52.9 | Any of these codes within past 12 months | 1-30 days | Two |
| Encephalitis and myelitis:  ADEM, unspec.  Postinfectious ADEM  Acute necrotizing hemorrhagic encephalopathy, unspec.  Postinfectious acute necrotizing hemorrhagic encephalopathy  Other acute necrotizing hemorrhagic encephalopathy  Myelitis in diseases classified elsewhere  Toxic encephalopathy  Other encephalitis and encephalomyelits  Other myelitis  Encephalitis and encephalomyelitis, unspec.  Myelitis, unspec. | G04.00  G04.01  G04.30  G04.31  G04.39  G05.4  G92  G04.81  G04.89  G04.90  G04.91 | Any of these codes within past 12 months | 1-15 days± | One |
| Postimmunization acute disseminated encephalitis, myelitis and encephalomyelitis  Postimmunization acute necrotizing hemorrhagic encephalopathy | G04.02  G04.32 | None | 1-15 days± | One |
| Encephalopathy, unspec.  Other encephalopathy  Cerebral edema | G93.40  G93.49  G93.6 | Any of these codes within past 12 months | 1-15 days± | One |
| Postvaccination fever | R50.83 | Same code within past 21 days | 1-14 days | Three |
| Fever, unspec. (separated from post-vac. fever 6/2019, vaccine-specific rules added 9/2019) | R50.9 | Same code within past 21 days | 1-7 days | Two |
| Fever, unspec. (separated from post-vac. fever 6/2019, vaccine-specific rules added 9/2019) | R50.9 | Same code within past 21 days | 8-14 days | Two if after measles- containing vaccine, otherwise exclude |
| GI bleeding:  Hemorrhage of anus and rectum  Melena  Gastrointestinal hemorrhage, unspecified | K62.5  K92.1  K92.2 | A03\*, A04\*, A08\*, {C91\*-C95\*}, {D65\*-D69\*}, K52.2\*, or any “GI bleeding” code (in column to left) within past 12 months | 1-30 days | Two |
| GI general symptoms (added 9/2019):  Diarrhea, unspecified  Other fecal abnormalities  Nausea with vomiting, unspecified  Unspecified abdominal pain  Vomiting, unspecified | R19.7  R19.5  R11.2  R10.9  R11.10 | Same code within past 21 days | 0-7 days | Two |
| Guillain-Barre | G61.0 | Same code within past 12 months | 1-42 days | One if after influenza vaccine, otherwise Two |
| Allergic purpura | D69.0 | Same code within past 12 months | 1-30 days | Two |
| Immune thrombocytopenic purpura  Thrombocytopenia unspecified | D69.3  D69.6 | Any of same codes within past 12 months | 7-30 days± | One |
| Infection due to vaccine | T88.0XXA | None | 1-21 days± | Three |
| Intussusception  Other specified diseases of appendix | K56.1  K38.8 | Any of same codes within past 12 months | 1-30 days | One if after rotavirus vaccine, otherwise  Two |
| Mucocutaneous lymph node syndrome (Kawasaki disease) | M30.3 | Same code within past 12 months | 1-30 days | Two |
| Measles | B05\* | None | 1-42 days | One if after measles-containing vaccine, otherwise exclude |
| Meningitis:  Other viral meningitis  Viral meningitis, unspec.  Unspecified viral encephalitis  Unspec. viral infection of central nervous system  Nonpyogenic meningitis  Meningitis due to other specified causes  Meningitis, unspecified | A87.8  A87.9  A86  A89  G03.0  G03.8  G03.9 | A87.0, A87.1, A85\*, A87.2, A88.0, A88.8, B02.1, B00.3, B05.1, B06.00, B06.02, G00\*, G01, G02, G03.1, G03.2, or any “Meningitis” code (in column to left) within past 12 months | 1-30 days | Two |
| Myocarditis:  Myocarditis, unspec.  Myocarditis in diseases classified elsewhere  Acute myocarditis, unspecified  Isolated myocarditis  Other acute myocarditis | I51.4  I41  I40.9  I40.1  I40.8 | Any of these codes within past 12 months | 1-30 days | Two |
| Paralytic syndromes:  Hemiplegia and hemiparesis  Paraplegia and quadriplegia  Other paralytic syndromes  Transient paralysis Acute transverse myelitis in demyelinating disease of central nervous system | G81\*  G82\*  G83\*  R29.5  G37.3 | Any of these codes within past 12 months | 0-42 days± | One |
| Pericarditis | I30\* | Same code within past 12 months | 1-30 days | Two |
| Optic neuritis:  Unspecified optic neuritis  Optic papillitis  Retrobulbar neuritis  Toxic optic neuropathy  Other optic neuritis | H46.9  H46.0\*  H46.1\*  H46.3  H46.8 | Any of these codes within past 12 months | 1-30 days | Two |
| Narcolepsy | G47.4\* | Same code within past 12 months | 1-30 days | Two |
| Rash and other nonspecific skin eruption | R21 | Same code within past 1 month (this look-back specified on 10/9/2019) | 1-4 days | Two |
| Rash and other nonspecific skin eruption | R21 | Same code within past 1 month (this look-back specified on 10/9/2019) | 5-26 days | Two if after varicella-containing vaccine, otherwise exclude |
| Seizures in ED or hospital setting:  Simple febrile convulsions  Complex febrile convulsions | R56.00  [R56.01](https://www.icd10data.com/ICD10CM/Codes/R00-R99/R50-R69/R56-/R56.01) | Any of these codes in any setting within past 12 months | 0-14 days | Three |
| Stroke:  Cerebral infarction  Transient cerebral ischemic attacks and related syndromes  Other cerebrovascular disease  Acute cerebrovascular insufficiency  Cerebral ischemia | I63\*  G45\*  I67.89  I67.81  I67.82 | Any of these codes within past 12 months | 1-30 days± | Two |
| Ill-defined and unknown cause of mortality | R99 | None | 0-30 days† | Two |
| Syncope and collapse | R55 | Same code within past 12 months | 0-4 days† (9/2019) | Two (6/2019) |
| Dizziness and giddiness (added 9/2019) | R42 | Same code within past 12 months | 0-4 days | Two |
| Upper respiratory tract hypersensitivity reaction | J39.3 | Same code within past 12 months | 0-14 days† | Two |
| Uveitis | separate list at end of this document | Any of these codes within past 12 months | 1-42 days | Two |
| Varicella | B01\* | Same code within past 12 months | 7-42 days | Three if after varicella-containing vaccine, otherwise exclude |
| Venous thromboembolism:  Septic PE w/o acute cor pulmonale  Other PE w/o acute cor pulmonale  Saddle embolus of pulmonary artery w/o acute cor pulmonale  Other venous embolism and thrombosis (excluding chronic) | I26.90  I26.99  I26.92  I82.0  I82.1  I82.210  I82.220  I82.290  I82.3  I82.401  I82.402  I82.403  I82.409  I82.411  I82.412  I82.413  I82.419  I82.421  I82.422  I82.423  I82.429  I82.431  I82.432  I82.433  I82.439  I82.441  I82.442  I82.443  I82.449  I82.491  I82.492  I82.493  I82.499  I82.4Y1  I82.4Y2  I82.4Y3  I82.4Y9  I82.4Z1  I82.4Z2  I82.4Z3  I82.4Z9  I82.601  I82.602  I82.603  I82.609  I82.611  I82.612  I82.613  I82.619  I82.621  I82.622  I82.623  I82.629  I82.A11  I82.A12  I82.A13  I82.A19  I82.B11  I82.B12  I82.B13  I82.B19  I82.C11  I82.C12  I82.C13  I82.C19  I82.811  I82.812  I82.813  I82.819  I82.890  I82.90 | Any of these codes within past 12 months | 1-30 days | Two |
| Adverse effects, reactions, complications, contamination, all immunization-related:  Adverse effect of pertussis vaccine, including combinations with a pertussis component  Adverse effect of mixed bacterial vaccines without a pertussis component  Adverse effect of other bacterial vaccines  Adverse effect of smallpox vaccines  Adverse effect of other viral vaccines  Adverse effect of other vaccines and biological substances  Other serum reaction due to vaccination  Other complications following immunization, not elsewhere classified  Contaminated medical or biological substance, injected or used for immunization | T50.A15A  T50.A25A  T50.A95A  T50.B15A  T50.B95A  T50.Z95A  T80.62XA  T88.1XXA  Y64.1 | None | 0-30 days | Three |
| Adverse effects, complications, abnormal reactions, not specific to vaccines:  Adverse effect of unspecified drugs, medicaments and biological substances  Adverse effect of other drugs, medicaments and biological substances  Other adverse effects, not elsewhere classified-- initial encounter  Unspecified adverse effect of drug or medicament  Other specified complications of surgical and medical care, not elsewhere classified  Complication of surgical and medical care, unspecified  Other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure  Medical procedure, unspecified as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure | T50.905A  T50.995A  [T78.8XXA](https://www.icd10data.com/ICD10CM/Codes/S00-T88/T66-T78/T78-/T78.8XXA)  T88.7XXA  T88.8XXA  T88.9XXA  Y84.8  Y84.9 | None | 0-14 | Two |
|  |  |  |  |  |
| Any other eligible diagnosis |  | 1. In exclusions table‡ 2. Same code on patient’s current problem list *prior* to this encounter 3. Encounter with code having same first 4 digits (e.g., K22.1) in past 36 months | 1-30 days | Two |

\* Asterisks indicate wildcards, i.e., that any characters or digits (or none) may follow

± Risk period based on the VAERS Table of Reportable Events Following Vaccination or the National Childhood Vaccine Injury Act Vaccine Injury Table when available

† Risk period based on clinical judgement

‡ Exclusions table is on “Exclusions” tab of “ICD10 code exclusions and inclusions 2018-12-20.xlsx”

**Clinician Query Protocol**

**Action Category One**

(Rare, severe adverse event)

**Destination clinician**: Clinician who ordered the vaccine *and* clinician who entered the trigger ICD9, ordered the trigger lab, prescribed the trigger med, or entered the trigger allergy / vital sign (if different from the clinician who ordered the vaccine).

**Text:**

Dear Dr. (“insert name”)

Your patient (“patient name”) may have experienced a serious adverse event following a recent vaccination. (“Patient name”) was recently noted to have:

(1) (“ICD9 text” or “lab component name and value”)

(2).. (numbers continue until list complete for all triggering diagnoses or labs)

(“Patient name”) was vaccinated with:

1. (“vaccine name(s)”)
2. (numbers continue until list complete for all vaccines)

“(trigger date minus vaccine date”) days prior on (“date.”) If you believe that this patient may possibly have experienced a clinically significant vaccine adverse event (a possible side effect), we can submit an electronic report to the CDC / FDA’s Vaccine Adverse Event Reporting System on your behalf.

Please provide any additional clinical details on this event that you think might be helpful to CDC and FDA vaccine safety scientists:

|  |
| --- |
| Please comment on the likelihood and severity of this possible event: |
|  |
|  |
| SEE REPORT SUBMIT |

If you believe that it is unlikely that the new diagnosis is related to the vaccine, please provide details below:

|  |
| --- |
| Enter comments: |
|  |
|  |
| SUBMIT |

Was this message helpful? Yes\_\_\_ No\_\_\_

Did it interrupt your work flow? Yes\_\_\_ No\_\_\_

Has the number of messages recently been Appropriate\_\_\_ Too frequent\_\_\_?

This note was automatically generated by the Electronic Support for Public health system (ESP), a joint venture of MetroHealth, the Centers for Disease Control and Prevention, and Harvard Pilgrim Health Care Institute. The project is funded by the Centers for Disease Control and Prevention. If you have questions about the Vaccine Adverse Event Reporting System (VAERS), please contact the CDC/FDA’s VAERS helpline at 1-800-822-7967 (http://vaers.hhs.gov/index). If you have questions about this project please contact the MetroHealth Physician Liason, David Kaelber, MD, at dkaelber@metrohealth.org.

**Action Category Two**

**Destination clinician**: Clinician who ordered the vaccine *and* clinician who entered the trigger ICD9, ordered the trigger lab, prescribed the trigger med, or entered the trigger allergy / vital sign (if different from the clinician who ordered the vaccine).

**Text:**

Dear Dr. (“insert name”)

Your patient (“patient name”) was recently noted to have

(1)(“ICD9 text” or “lab component name and value” or “prescription for ‘drug name’” or “newly entered allergy to ‘allergy name’”)

(2) (numbers continue until list complete for all triggering diagnoses or labs)

on date (“ICD9 or lab or prescription or allergy date”).

“Patient name” was vaccinated with

(1)“vaccine name(s)” on “date.”

(2) (numbers continue until list complete for all vaccines)

Do you think that it is possible that (“ICD9 text ‘is’” or “the lab component name and value ‘is’” or “this is due to”) an adverse event (a possible side effect) of a vaccine?

If so, we can automatically submit an electronic report to the CDC/FDA’s Vaccine Adverse Event Reporting System (VAERS) on your behalf.

If you would like to submit an immediate electronic report with optional comments please enter comments below and click SUBMIT:

|  |
| --- |
| Please comment on the likelihood and severity of this possible event: |
|  |
|  |
| SEE REPORT SUBMIT |

If you believe that it is unlikely that the new diagnosis is related to the vaccine, please provide details below:

|  |
| --- |
| Enter comments: |
|  |
|  |
| SUBMIT |

Was this message helpful? Yes\_\_\_ No\_\_\_

Did it interrupt your work flow? Yes\_\_\_ No\_\_\_

Has the number of messages recently been Appropriate\_\_\_ Too frequent\_\_\_?

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**Uveitis codes**

|  |  |
| --- | --- |
| [H44.131](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=uveitis&bc=AAAAAAAAAAACAA%3d%3d&) | Sympathetic uveitis, right eye |
| [H44.132](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=uveitis&bc=AAAAAAAAAAACAA%3d%3d&) | Sympathetic uveitis, left eye |
| [H44.133](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=uveitis&bc=AAAAAAAAAAACAA%3d%3d&) | Sympathetic uveitis, bilateral |
| [H44.139](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=uveitis&bc=AAAAAAAAAAACAA%3d%3d&) | Sympathetic uveitis, unspecified eye |
| [H20.00](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified acute and subacute iridocyclitis |
| [H20.011](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Primary iridocyclitis, right eye |
| [H20.012](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Primary iridocyclitis, left eye |
| [H20.013](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Primary iridocyclitis, bilateral |
| [H20.019](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Primary iridocyclitis, unspecified eye |
| [H20.041](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Secondary noninfectious iridocyclitis, right eye |
| [H20.042](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Secondary noninfectious iridocyclitis, left eye |
| [H20.043](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Secondary noninfectious iridocyclitis, bilateral |
| [H20.049](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Secondary noninfectious iridocyclitis, unspecified eye |
| [H20.9](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=iridocyclitis&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified iridocyclitis |
| [H30.001](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified focal chorioretinal inflammation, right eye |
| [H30.002](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified focal chorioretinal inflammation, left eye |
| [H30.003](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified focal chorioretinal inflammation, bilateral |
| [H30.009](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified focal chorioretinal inflammation, unspecified eye |
| [H30.011](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, juxtapapillary, right eye |
| [H30.012](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, juxtapapillary, left eye |
| [H30.013](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, juxtapapillary, bilateral |
| [H30.019](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, juxtapapillary, unspecified eye |
| [H30.021](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation of posterior pole, right eye |
| [H30.022](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation of posterior pole, left eye |
| [H30.023](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation of posterior pole, bilateral |
| [H30.029](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation of posterior pole, unspecified eye |
| [H30.031](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, peripheral, right eye |
| [H30.032](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, peripheral, left eye |
| [H30.033](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, peripheral, bilateral |
| [H30.039](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, peripheral, unspecified eye |
| [H30.041](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, macular or paramacular, right eye |
| [H30.042](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, macular or paramacular, left eye |
| [H30.043](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, macular or paramacular, bilateral |
| [H30.049](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Focal chorioretinal inflammation, macular or paramacular, unspecified eye |
| [H30.101](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified disseminated chorioretinal inflammation, right eye |
| [H30.102](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified disseminated chorioretinal inflammation, left eye |
| [H30.103](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified disseminated chorioretinal inflammation, bilateral |
| [H30.109](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified disseminated chorioretinal inflammation, unspecified eye |
| [H30.111](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation of posterior pole, right eye |
| [H30.112](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation of posterior pole, left eye |
| [H30.113](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation of posterior pole, bilateral |
| [H30.119](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation of posterior pole, unspecified eye |
| [H30.121](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, peripheral right eye |
| [H30.122](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, peripheral, left eye |
| [H30.123](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, peripheral, bilateral |
| [H30.129](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, peripheral, unspecified eye |
| [H30.131](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, generalized, right eye |
| [H30.132](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, generalized, left eye |
| [H30.133](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, generalized, bilateral |
| [H30.139](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Disseminated chorioretinal inflammation, generalized, unspecified eye |
| [H30.891](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Other chorioretinal inflammations, right eye |
| [H30.892](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Other chorioretinal inflammations, left eye |
| [H30.893](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Other chorioretinal inflammations, bilateral |
| [H30.899](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Other chorioretinal inflammations, unspecified eye |
| [H30.90](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified chorioretinal inflammation, unspecified eye |
| [H30.91](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified chorioretinal inflammation, right eye |
| [H30.92](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified chorioretinal inflammation, left eye |
| [H30.93](https://www.cms.gov/medicare-coverage-database/staticpages/icd-10-code-lookup.aspx?KeyWord=chorioretinal&bc=AAAAAAAAAAACAA%3d%3d&) | Unspecified chorioretinal inflammation, bilateral |