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

Version: 2.2

Date: December 20, 2018

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 event2. 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 event2. 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** | **TriggerValue** | **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 | >0.6 | 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** | **TriggerValue** | **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 | >0.8 | 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 vaccinationAnaphylactic reaction due to adverse effect of correct drug or medicament properly administeredAnaphylactic shock, unspec., initial encounter | [T80.52XA](https://www.icd10data.com/ICD10CM/Codes/S00-T88/T66-T78/T78-/T78.2XXA)T88.6XXAT78.2XXA | 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 appendicitisUnspec. appendicitis | K35\*K37 | Any of these codes within past 12 months | 1-30 days | Two |
| Arthritis:Inflammatory polyarthropathyRubella arthritisPostimmunization arthropathyOther reactive arthropathiesReactive arthropathies, unspec.Arthropathy, unspec.Other arthritis | M06.4B06.82M02.2\*M02.8\*M02.9M12.9M13\* | Any of these codes within past 12 months | 1-42 days± | One if after rubella, otherwise Two |
| Ataxia:Cerebellar ataxia in DCEAbnormalities of gait and mobilityOther lack of coordination | G32.81R26\*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 syndromeRadiculopathy, cervical regionRadiculopathy, cervicothoracic region | M53.1M54.12M54.13 | Any of these codes within past 12 months | 2-28 days± | TwoOne if M54.12/M54.13 after tetanus-containing vaccine |
| Cellulitis – upper armAcute 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 – buttockAcute lymphangitis of buttock | L03.317L03.327 | Any of these codes within past 3 months | 1-30 days† | Two |
| Cellulitis – thighAcute 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 neuralgiaAtypical facial painOther disorders of trigeminal nerveDisorder of trigeminal nerve, unspec.Geniculate ganglionitisMelkersson's syndromeFacial myokymiaOther disorders of facial nerveDisorder of facial nerve, unspec.Disorders of olfactory nerveDisorders of glossopharyngeal nerveDisorders of vagus nerveDisorders of hypoglossal nerveDisorders of multiple cranial nervesDisorders of other specified cranial nervesCranial nerve disorder, unspecified | G50.0G50.1G50.8G50.9G51.1G51.2G51.4G51.8G51.9G52.0G52.1G52.2G52.3G52.7G52.8G52.9 | Any of these codes within past 12 months | 1-30 days | Two |
| Encephalitis and myelitis:ADEM, unspec.Postinfectious ADEMAcute necrotizing hemorrhagic encephalopathy, unspec.Postinfectious acute necrotizing hemorrhagic encephalopathyOther acute necrotizing hemorrhagic encephalopathyMyelitis in diseases classified elsewhereToxic encephalopathyOther encephalitis and encephalomyelitsOther myelitisEncephalitis and encephalomyelitis, unspec.Myelitis, unspec. | G04.00G04.01G04.30G04.31G04.39G05.4G92G04.81G04.89G04.90G04.91 | Any of these codes within past 12 months | 1-15 days± | One |
| Postimmunization acute disseminated encephalitis, myelitis and encephalomyelitisPostimmunization acute necrotizing hemorrhagic encephalopathy | G04.02G04.32 | None | 1-15 days± | One |
| Encephalopathy, unspec.Other encephalopathyCerebral edema | G93.40G93.49G93.6 | Any of these codes within past 12 months | 1-15 days± | One |
| Postvaccination feverFever, unspec. | R50.83R50.9 | Any of these codes within past 21 days | 1-14 days | Three |
| GI bleeding:Hemorrhage of anus and rectumMelenaGastrointestinal hemorrhage, unspecified | K62.5K92.1K92.2 | 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 |
| 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 purpuraThrombocytopenia unspecified | D69.3D69.6 | Any of same codes within past 12 months | 7-30 days± | One |
| Infection due to vaccine | T88.0XXA | None | 1-21 days± | Three |
| IntussusceptionOther specified diseases of appendix | K56.1K38.8 | Any of same codes within past 12 months | 1-30 days | One if after rotavirus vaccine, otherwiseTwo |
| 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 meningitisViral meningitis, unspec.Unspecified viral encephalitisUnspec. viral infection of central nervous systemNonpyogenic meningitisMeningitis due to other specified causesMeningitis, unspecified | A87.8A87.9A86A89G03.0G03.8G03.9 | 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 elsewhereAcute myocarditis, unspecifiedIsolated myocarditisOther acute myocarditis | I51.4I41I40.9I40.1I40.8 | Any of these codes within past 12 months | 1-30 days | Two |
| Paralytic syndromes:Hemiplegia and hemiparesisParaplegia and quadriplegiaOther paralytic syndromesTransient paralysisAcute transverse myelitis in demyelinating disease of central nervous system | G81\*G82\*G83\*R29.5G37.3 | 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 neuritisOptic papillitisRetrobulbar neuritisToxic optic neuropathyOther optic neuritis | H46.9H46.0\*H46.1\*H46.3H46.8 | 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 |
| Seizures in ED or hospital setting:Simple febrile convulsionsComplex 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 | Two [may change to Three] |
| Stroke:Cerebral infarctionTransient cerebral ischemic attacks and related syndromesOther cerebrovascular diseaseAcute cerebrovascular insufficiencyCerebral ischemia | I63\*G45\*I67.89I67.81I67.82 | 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 | 0-1 days† | Three |
| 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 pulmonaleOther PE w/o acute cor pulmonaleSaddle embolus of pulmonary artery w/o acute cor pulmonaleOther venous embolism and thrombosis (excluding chronic) | I26.90I26.99I26.92I82.0I82.1I82.210I82.220I82.290I82.3I82.401I82.402I82.403I82.409I82.411I82.412I82.413I82.419I82.421I82.422I82.423I82.429I82.431I82.432I82.433I82.439I82.441I82.442I82.443I82.449I82.491I82.492I82.493I82.499I82.4Y1I82.4Y2I82.4Y3I82.4Y9I82.4Z1I82.4Z2I82.4Z3I82.4Z9I82.601I82.602I82.603I82.609I82.611I82.612I82.613I82.619I82.621I82.622I82.623I82.629I82.A11I82.A12I82.A13I82.A19I82.B11I82.B12I82.B13I82.B19I82.C11I82.C12I82.C13I82.C19I82.811I82.812I82.813I82.819I82.890I82.90 | 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 componentAdverse effect of mixed bacterial vaccines without a pertussis componentAdverse effect of other bacterial vaccinesAdverse effect of smallpox vaccinesAdverse effect of other viral vaccinesAdverse effect of other vaccines and biological substancesOther serum reaction due to vaccinationOther complications following immunization, not elsewhere classifiedContaminated medical or biological substance, injected or used for immunization | T50.A15AT50.A25AT50.A95AT50.B15AT50.B95AT50.Z95AT80.62XAT88.1XXAY64.1 | None | 0-30 days | Three |
| Adverse effects, complications, abnormal reactions, not specific to vaccines:Adverse effect of unspecified drugs, medicaments and biological substancesAdverse effect of other drugs, medicaments and biological substancesOther adverse effects, not elsewhere classified-- initial encounterUnspecified adverse effect of drug or medicamentOther specified complications of surgical and medical care, not elsewhere classifiedComplication of surgical and medical care, unspecifiedOther medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedureMedical 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 | T50.905AT50.995A[T78.8XXA](https://www.icd10data.com/ICD10CM/Codes/S00-T88/T66-T78/T78-/T78.8XXA)T88.7XXAT88.8XXAT88.9XXAY84.8Y84.9 | 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 |