

Ophthalmologic Policy: Vascular Endothelial Growth Factor (VEGF) Inhibitors (for Ohio Only)

Policy Number: CSOH2024D0042.B

Effective Date: April 1, 2024

[Instructions for Use](#)

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| Related Policies |
|------------------|
| None |

Application

This Medical Benefit Drug Policy only applies to the state of Ohio. Any requests for services that are stated as unproven or services for which there is a coverage or quantity limit will be evaluated for medical necessity using Ohio Administrative Code 5160-1-01.

Coverage Rationale

This policy provides information about the use of certain specialty pharmacy medications administered by the intravitreal route for ophthalmologic conditions.

This policy refers to the following vascular endothelial growth factor (VEGF) inhibitors and dual VEGF/angiopoietin-2 (Ang-2) inhibitors:

- Avastin® (bevacizumab)
- Beovu® (brolucizumab-dbll)
- Byooviz™ (ranibizumab-nuna)
- Cimerli™ (ranibizumab-eqrn)
- Eylea™ (aflibercept)
- Eylea® HD (aflibercept)
- Lucentis® (ranibizumab)
- Susvimo™ (ranibizumab)
- Vabysmo™ (faricimab-svoa)

The following information pertains to medical necessity review:

General Requirements

For **initial and continuation of therapy**, intravitreal VEGF inhibitor administration is no more than 12 doses per year per eye, regardless of diagnosis.

Diagnosis-Specific Requirements

Lucentis is proven and medically necessary for the treatment of certain conditions outlined within the InterQual® criteria.

For medical necessity clinical coverage criteria for Lucentis, refer to the current release of the InterQual® guideline, CP: Specialty Rx Non-Oncology Ranibizumab (Lucentis).

Click [here](#) to view the InterQual® criteria.

Eylea is proven and medically necessary for the treatment of certain conditions outlined within the InterQual® criteria. For

medical necessity clinical coverage criteria for Eylea, refer to the current release of the InterQual® guideline, CP: Specialty Rx Non-Oncology Aflibercept (Eylea).

Click [here](#) to view the InterQual® criteria.

Beovu is proven and medically necessary for the treatment of certain conditions outlined within the InterQual® criteria.

For medical necessity clinical coverage criteria for Beovu, refer to the current release of the InterQual® guideline, CP: Specialty Rx Non-Oncology Brolucizumab (Beovu).

Click [here](#) to view the InterQual® criteria.

Avastin (bevacizumab) is proven and medically necessary for the treatment of certain conditions outlined within the

InterQual® criteria. For medical necessity clinical coverage criteria for Avastin, refer to the current release of the InterQual® guideline, CP: Specialty Rx Non-Oncology Bevacizumab (Avastin) Intravitreal.

Click [here](#) to view the InterQual® criteria.

Byooviz (ranibizumab-nuna) is proven and medically necessary for the treatment of:

- Neovascular age-related macular degeneration (nAMD)
- Macular Edema Following Retinal Vein Occlusion (RVO)
- Myopic Choroidal Neovascularization (mCNV)

Cimerli™ (ranibizumab-eqrn) is proven and medically necessary for the treatment of:

- Myopic choroidal neovascularization (mCNV)
- Diabetic macular edema (DME)
- Diabetic retinopathy (DR)
- Macular edema following Retinal Vein Occlusion (RVO)
- Neovascular age-related macular degeneration (nAMD)

Eylea HD (aflibercept) is proven and medically necessary for the treatment of:

- Diabetic macular edema (DME)
- Diabetic retinopathy (DR)
- Neovascular age-related macular degeneration (nAMD)

Susvimo (ranibizumab) is proven and medically necessary for the treatment of:

- Neovascular age-related macular degeneration (nAMD) who have previously responded to ≥ 2 intravitreal injections of a VEGF inhibitor

Vabysmo (faricimab-svoa) is proven and medically necessary for the treatment of:

- Neovascular age-related macular degeneration (nAMD)
- Diabetic macular edema (DME)
- Macular edema following retinal vein occlusion (RVO)

Applicable Codes

The following list(s) of procedure and/or diagnosis codes is provided for reference purposes only and may not be all inclusive. Listing of a code in this policy does not imply that the service described by the code is a covered or non-covered health service. Benefit coverage for health services is determined by federal, state, or contractual requirements and applicable laws that may require coverage for a specific service. The inclusion of a code does not imply any right to reimbursement or guarantee claim payment. Other Policies and Guidelines may apply.

| HCPSC Code | Description | Brand Name |
|------------|--|------------|
| C9161 | Injection, aflibercept hd, 1 mg | Eylea HD |
| J0178 | Injection, aflibercept, 1 mg | Eylea |
| J0179 | Injection, brolucizumab-dbl, 1 mg | Beovu |
| J2777 | Injection, faricimab-svoa, 0.1mg | Vabysmo |
| J2778 | Injection, ranibizumab, 0.1 mg | Lucentis |
| J2779 | Injection, ranibizumab, 0.1 mg | Susvimo |
| J9035 | Injection, bevacizumab, 10 mg | Avastin |
| Q5124 | Injection, ranibizumab-nuna, biosimilar, (Byooviz), 0.1 mg | Byooviz |
| Q5128 | Injection, ranibizumab-eqrn (cimerli) | Cimerli |

| Diagnosis Code | Description | Applies to HCPSC Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| B39.5 | Histoplasmosis duboisii | | | | | |
| B39.9 | Histoplasmosis, unspecified | | | | | |
| E08.311 | Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema | x | x | | | x |
| E08.319 | Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema | x | | | | x |
| E08.3211 | Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E08.3212 | Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E08.3213 | Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E08.3219 | Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E08.3291 | Diabetes mellitus due to underlying condition with mild non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E08.3292 | Diabetes mellitus due to underlying condition with mild non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E08.3293 | Diabetes mellitus due to underlying condition with mild non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E08.3299 | Diabetes mellitus due to underlying condition with mild non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E08.3311 | Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E08.3312 | Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E08.3313 | Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E08.3319 | Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E08.3391 | Diabetes mellitus due to underlying condition with moderate non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E08.3392 | Diabetes mellitus due to underlying condition with moderate non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E08.3393 | Diabetes mellitus due to underlying condition with moderate non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E08.3399 | Diabetes mellitus due to underlying condition with moderate non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E08.3411 | Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E08.3412 | Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E08.3413 | Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E08.3419 | Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E08.3491 | Diabetes mellitus due to underlying condition with severe non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E08.3492 | Diabetes mellitus due to underlying condition with severe non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E08.3493 | Diabetes mellitus due to underlying condition with severe non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E08.3499 | Diabetes mellitus due to underlying condition with severe non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E08.3511 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E08.3512 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E08.3513 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E08.3519 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E08.3521 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye | x | | | | x |
| E08.3522 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye | x | | | | x |
| E08.3523 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral | x | | | | x |
| E08.3529 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye | x | | | | x |
| E08.3531 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye | x | | | | x |
| E08.3532 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye | x | | | | x |
| E08.3533 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral | x | | | | x |
| E08.3539 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E08.3541 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye | x | | | | x |
| E08.3542 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye | x | | | | x |
| E08.3543 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral | x | | | | x |
| E08.3549 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye | x | | | | x |
| E08.3551 | Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, right eye | x | | | | x |
| E08.3552 | Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, left eye | x | | | | x |
| E08.3553 | Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, bilateral | x | | | | x |
| E08.3559 | Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, unspecified eye | x | | | | x |
| E08.3591 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E08.3592 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E08.3593 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E08.3599 | Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E08.37X1 | Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, right eye | x | x | | | x |
| E08.37X2 | Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, left eye | x | x | | | x |
| E08.37X3 | Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, bilateral | x | x | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E08.37X9 | Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, unspecified eye | x | x | | | x |
| E09.311 | Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema | x | x | | | x |
| E09.3211 | Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E09.3212 | Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E09.3213 | Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E09.3219 | Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E09.3291 | Drug or chemical induced diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E09.3292 | Drug or chemical induced diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E09.3293 | Drug or chemical induced diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E09.3299 | Drug or chemical induced diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E09.3311 | Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E09.3312 | Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E09.3313 | Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E09.3319 | Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E09.3391 | Drug or chemical induced diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E09.3392 | Drug or chemical induced diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E09.3393 | Drug or chemical induced diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E09.3399 | Drug or chemical induced diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E09.3411 | Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E09.3412 | Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E09.3413 | Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E09.3419 | Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E09.3491 | Drug or chemical induced diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E09.3492 | Drug or chemical induced diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E09.3493 | Drug or chemical induced diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E09.3499 | Drug or chemical induced diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E09.3511 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E09.3512 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E09.3513 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E09.3519 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E09.3521 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye | x | | | | x |
| E09.3522 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E09.3523 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral | x | | | | x |
| E09.3529 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye | x | | | | x |
| E09.3531 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye | x | | | | x |
| E09.3532 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye | x | | | | x |
| E09.3533 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral | x | | | | x |
| E09.3539 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye | x | | | | x |
| E09.3541 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye | x | | | | x |
| E09.3542 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye | x | | | | x |
| E09.3543 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral | x | | | | x |
| E09.3549 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye | x | | | | x |
| E09.3551 | Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, right eye | x | | | | x |
| E09.3552 | Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, left eye | x | | | | x |
| E09.3553 | Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, bilateral | x | | | | x |
| E09.3559 | Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E09.3591 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E09.3592 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E09.3593 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E09.3599 | Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E09.37X1 | Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, right eye | x | x | | | x |
| E09.37X2 | Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, left eye | x | x | | | x |
| E09.37X3 | Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral | x | x | | | x |
| E09.37X9 | Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye | x | x | | | x |
| E10.311 | Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema | x | x | | | x |
| E10.3211 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E10.3212 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E10.3213 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E10.3219 | Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E10.3291 | Type 1 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E10.3292 | Type 1 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E10.3293 | Type 1 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E10.3299 | Type 1 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E10.3311 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E10.3312 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E10.3313 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E10.3319 | Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E10.3391 | Type 1 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E10.3392 | Type 1 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E10.3393 | Type 1 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E10.3399 | Type 1 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E10.3411 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E10.3412 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E10.3413 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E10.3419 | Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E10.3491 | Type 1 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E10.3492 | Type 1 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E10.3493 | Type 1 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E10.3499 | Type 1 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E10.3511 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E10.3512 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E10.3513 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E10.3519 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E10.3521 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye | x | | | | x |
| E10.3522 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye | x | | | | x |
| E10.3523 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral | x | | | | x |
| E10.3529 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye | x | | | | x |
| E10.3531 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye | x | | | | x |
| E10.3532 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye | x | | | | x |
| E10.3533 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral | x | | | | x |
| E10.3539 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye | x | | | | x |
| E10.3541 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye | x | | | | x |
| E10.3542 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye | x | | | | x |
| E10.3543 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral | x | | | | x |
| E10.3549 | Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E10.3551 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye | x | | | | x |
| E10.3552 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye | x | | | | x |
| E10.3553 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral | x | | | | x |
| E10.3559 | Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye | x | | | | x |
| E10.3591 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E10.3592 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E10.3593 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E10.3599 | Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E10.37X1 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye | x | x | | | x |
| E10.37X2 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye | x | x | | | x |
| E10.37X3 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral | x | x | | | x |
| E10.37X9 | Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye | x | x | | | x |
| E11.311 | Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema | x | x | | | x |
| E11.3211 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E11.3212 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E11.3213 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E11.3219 | Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E11.3291 | Type 2 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E11.3292 | Type 2 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E11.3293 | Type 2 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E11.3299 | Type 2 diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E11.3311 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E11.3312 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E11.3313 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E11.3319 | Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E11.3391 | Type 2 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E11.3392 | Type 2 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E11.3393 | Type 2 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E11.3399 | Type 2 diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E11.3411 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E11.3412 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E11.3413 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E11.3419 | Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E11.3491 | Type 2 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E11.3492 | Type 2 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E11.3493 | Type 2 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E11.3499 | Type 2 diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E11.3511 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E11.3512 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E11.3513 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E11.3519 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E11.3521 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye | x | | | | x |
| E11.3522 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye | x | | | | x |
| E11.3523 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral | x | | | | x |
| E11.3529 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye | x | | | | x |
| E11.3531 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye | x | | | | x |
| E11.3532 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye | x | | | | x |
| E11.3533 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral | x | | | | x |
| E11.3539 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye | x | | | | x |
| E11.3541 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye | x | | | | x |
| E11.3542 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye | x | | | | x |
| E11.3543 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E11.3549 | Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye | x | | | | x |
| E11.3551 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye | x | | | | x |
| E11.3552 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye | x | | | | x |
| E11.3553 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral | x | | | | x |
| E11.3559 | Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye | x | | | | x |
| E11.3591 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E11.3592 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E11.3593 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E11.3599 | Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E11.37X1 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye | x | x | | | x |
| E11.37X2 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye | x | x | | | x |
| E11.37X3 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral | x | x | | | x |
| E11.37X9 | Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye | x | x | | | x |
| E13.311 | Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema | x | x | | | x |
| E13.3211 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E13.3212 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E13.3213 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E13.3219 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E13.3291 | Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E13.3292 | Other specified diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E13.3293 | Other specified diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E13.3299 | Other specified diabetes mellitus with mild non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E13.3311 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E13.3312 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E13.3313 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E13.3319 | Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E13.3391 | Other specified diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E13.3392 | Other specified diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E13.3393 | Other specified diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E13.3399 | Other specified diabetes mellitus with moderate non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E13.3411 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E13.3412 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E13.3413 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E13.3419 | Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E13.3491 | Other specified diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E13.3492 | Other specified diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E13.3493 | Other specified diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E13.3499 | Other specified diabetes mellitus with severe non-proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E13.3511 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye | x | x | | | x |
| E13.3512 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye | x | x | | | x |
| E13.3513 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral | x | x | | | x |
| E13.3519 | Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye | x | x | | | x |
| E13.3521 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye | x | | | | x |
| E13.3522 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye | x | | | | x |
| E13.3523 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral | x | | | | x |
| E13.3529 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye | x | | | | x |
| E13.3531 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye | x | | | | x |
| E13.3532 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye | x | | | | x |
| E13.3533 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral | x | | | | x |
| E13.3539 | Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye | x | | | | x |
| E13.3541 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye | x | | | | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| E13.3542 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye | x | | | | x |
| E13.3543 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral | x | | | | x |
| E13.3549 | Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye | x | | | | x |
| E13.3551 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye | x | | | | x |
| E13.3552 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye | x | | | | x |
| E13.3553 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral | x | | | | x |
| E13.3559 | Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye | x | | | | x |
| E13.3591 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye | x | | | | x |
| E13.3592 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye | x | | | | x |
| E13.3593 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral | x | | | | x |
| E13.3599 | Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye | x | | | | x |
| E13.37X1 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye | x | x | | | x |
| E13.37X2 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye | x | x | | | x |
| E13.37X3 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral | x | x | | | x |
| E13.37X9 | Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye | x | x | | | x |
| H34.8110 | Central retinal vein occlusion, right eye, with macular edema | | x | | x | x |
| H34.8111 | Central retinal vein occlusion, right eye, with retinal neovascularization | | x | | x | x |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| H34.8112 | Central retinal vein occlusion, right eye, stable | | X | | X | X |
| H34.8120 | Central retinal vein occlusion, left eye, with macular edema | | X | | X | X |
| H34.8121 | Central retinal vein occlusion, left eye, with retinal neovascularization | | X | | X | X |
| H34.8122 | Central retinal vein occlusion, left eye, stable | | X | | X | X |
| H34.8130 | Central retinal vein occlusion, bilateral, with macular edema | | X | | X | X |
| H34.8131 | Central retinal vein occlusion, bilateral, with retinal neovascularization | | X | | X | X |
| H34.8132 | Central retinal vein occlusion, bilateral, stable | | X | | X | X |
| H34.8190 | Central retinal vein occlusion, unspecified eye, with macular edema | | X | | X | X |
| H34.8191 | Central retinal vein occlusion, unspecified eye, with retinal neovascularization | | X | | X | X |
| H34.8192 | Central retinal vein occlusion, unspecified eye, stable | | X | | X | X |
| H34.821 | Venous engorgement, right eye | | X | | X | X |
| H34.822 | Venous engorgement, left eye | | X | | X | X |
| H34.823 | Venous engorgement, bilateral | | X | | X | X |
| H34.829 | Venous engorgement, unspecified eye | | X | | X | X |
| H34.8310 | Tributary (branch) retinal vein occlusion, right eye, with macular edema | | X | | X | X |
| H34.8311 | Tributary (branch) retinal vein occlusion, right eye, with retinal neovascularization | | X | | X | X |
| H34.8312 | Tributary (branch) retinal vein occlusion, right eye, stable | | X | | X | X |
| H34.8320 | Tributary (branch) retinal vein occlusion, left eye, with macular edema | | X | | X | X |
| H34.8321 | Tributary (branch) retinal vein occlusion, left eye, with retinal neovascularization | | X | | X | X |
| H34.8322 | Tributary (branch) retinal vein occlusion, left eye, stable | | X | | X | X |
| H34.8330 | Tributary (branch) retinal vein occlusion, bilateral, with macular edema | | X | | X | X |
| H34.8331 | Tributary (branch) retinal vein occlusion, bilateral, with retinal neovascularization | | X | | X | X |
| H34.8332 | Tributary (branch) retinal vein occlusion, bilateral, stable | | X | | X | X |
| H34.8390 | Tributary (branch) retinal vein occlusion, unspecified eye, with macular edema | | X | | X | X |
| H34.8391 | Tributary (branch) retinal vein occlusion, unspecified eye, with retinal neovascularization | | X | | X | X |
| H34.8392 | Tributary (branch) retinal vein occlusion, unspecified eye, stable | | X | | X | X |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|---|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| H35.051 | Retinal neovascularization, unspecified, right eye | | | | X | X |
| H35.052 | Retinal neovascularization, unspecified, left eye | | | | X | X |
| H35.053 | Retinal neovascularization, unspecified, bilateral | | | | X | X |
| H35.059 | Retinal neovascularization, unspecified, unspecified eye | | | | X | X |
| H35.3210 | Exudative age-related macular degeneration, right eye, stage unspecified | X | X | X | X | X |
| H35.3211 | Exudative age-related macular degeneration, right eye, with active choroidal neovascularization | X | X | X | X | X |
| H35.3212 | Exudative age-related macular degeneration, right eye, with inactive choroidal neovascularization | X | X | X | X | X |
| H35.3213 | Exudative age-related macular degeneration, right eye, with inactive scar | X | X | | X | X |
| H35.3220 | Exudative age-related macular degeneration, left eye, stage unspecified | X | X | X | X | X |
| H35.3221 | Exudative age-related macular degeneration, left eye, with active choroidal neovascularization | X | X | X | X | X |
| H35.3222 | Exudative age-related macular degeneration, left eye, with inactive choroidal neovascularization | X | X | X | X | X |
| H35.3223 | Exudative age-related macular degeneration, left eye, with inactive scar | X | X | | X | X |
| H35.3230 | Exudative age-related macular degeneration, bilateral, stage unspecified | X | X | X | X | X |
| H35.3231 | Exudative age-related macular degeneration, bilateral, with active choroidal neovascularization | X | X | X | X | X |
| H35.3232 | Exudative age-related macular degeneration, bilateral, with inactive choroidal neovascularization | X | X | X | X | X |
| H35.3233 | Exudative age-related macular degeneration, bilateral, with inactive scar | X | | | X | X |
| H35.3290 | Exudative age-related macular degeneration, unspecified eye, stage unspecified | X | X | X | X | X |
| H35.3291 | Exudative age-related macular degeneration, unspecified eye, with active choroidal neovascularization | X | X | X | X | X |
| H35.3292 | Exudative age-related macular degeneration, unspecified eye, with inactive choroidal neovascularization | X | X | X | X | X |
| H35.3293 | Exudative age-related macular degeneration, unspecified eye, with inactive scar | X | X | X | X | X |
| H35.351 | Cystoid macular degeneration, right eye | X | X | X | X | X |
| H35.352 | Cystoid macular degeneration, left eye | X | X | X | X | X |
| H35.353 | Cystoid macular degeneration, bilateral | X | X | X | X | X |
| H40.89 | Other specified glaucoma | | | | | X |
| H44.2A1 | Degenerative myopia with choroidal neovascularization, right eye | | | | X | X |

| Diagnosis Code | Description | Applies to HCPCS Code | | | | |
|----------------|--|-----------------------|-------|-------|-------|-------|
| | | C9161 | J2777 | J2779 | Q5124 | Q5128 |
| H44.2A2 | Degenerative myopia with choroidal neovascularization, left eye | | | | x | x |
| H44.2A3 | Degenerative myopia with choroidal neovascularization, bilateral eye | | | | x | x |
| H44.2A9 | Degenerative myopia with choroidal neovascularization, unspecified eye | | | | x | x |

Maximum Allowed Frequencies

The allowed frequencies in this section are based upon the FDA approved prescribing information for the applicable medications. For indications without FDA approved dosing, the frequencies are derived from available clinical evidence. This list may not be inclusive of all medications listed and is subject to change.

| Medication Name | | Diagnosis | Maximum Frequency |
|---|---|--|---|
| Brand | Generic | | |
| Byooviz | ranibizumab-nuna | Neovascular age-related macular degeneration (nAMD) | The recommended dose is 0.5 mg (0.05 ML) administered by intravitreal injection once a month (approximately 28 days). Patients may be treated with 3 monthly doses followed by less frequent dosing. Patients may also be treated with one dose every 3 months after 4 monthly doses. Maximum of 12 doses per year per eye. |
| | | Macular edema following retinal vein occlusion (RVO) | The recommended dose is 0.5 mg (0.05 ML) administered by intravitreal injection once a month (approximately 28 days). Maximum of 12 doses per year per eye. |
| | | Myopic choroidal neovascularization (mCNV) | The recommended dose is 0.5 mg (0.05 ML) administered by intravitreal injection once a month (approximately 28 days) for up to 3 months. May be retreated if necessary. Maximum of 12 doses per year per eye. |
| Cimerli | ranibizumab-eqrn | Myopic choroidal neovascularization (mCNV) | The recommended dose is 0.5 mg (0.05 mL) to affected eye(s) once a month (approximately every 28 days) for up to 3 months. May be retreated if necessary. Maximum of 12 doses per year per eye. |
| | | Diabetic macular edema (DME) | The recommended dose is 0.3 mg (0.05 mL) to affected eye(s) once a month (approximately every 28 days). Maximum of 12 doses per year per eye. |
| | | Diabetic retinopathy (DR) | |
| | | Macular edema following retinal vein occlusion (RVO) | The recommended dose is 0.5 mg (0.05 mL) to affected eye(s) once a month (approximately every 28 days). Maximum of 12 doses per year per eye. |
| Neovascular (wet) age-related macular degeneration (nAMD) | The recommended dose is 0.5 mg (0.05 mL) to affected eye(s) once a month (approximately every 28 days). Treatment may be reduced to 3 once monthly doses, followed by an average of 4 to 5 injections over the subsequent 9 months. Maximum of 12 doses per year per eye. | | |

| Medication Name | | Diagnosis | Maximum Frequency |
|-----------------|-------------|--|--|
| Brand | Generic | | |
| Eylea HD | aflibercept | Diabetic macular edema (DME) | The recommended dose is 8 mg (0.07 mL) into affected eye(s) every 4 weeks (approximately every 28 days +/- 7 days) for the first 3 doses, then 8 mg every 8 to 16 weeks +/- 1 week. Maximum of 12 doses per year per eye. |
| | | Neovascular age-related macular degeneration (nAMD) | |
| | | Diabetic retinopathy (DR) | The recommended dose is 8 mg (0.7 mL) into affected eye(s) every 4 weeks (approximately every 28 days +/- 7 days) for the first 3 doses, followed by 8 mg once every 8 to 12 weeks +/- 1 week. Maximum of 12 doses per year per eye. |
| Susvimo | ranibizumab | Neovascular age-related macular degeneration (nAMD) | The recommended dose is 2 mg to affected eye(s) continuously delivered via ocular implant every 24 weeks (approximately 6 months). If clinically necessary, supplemental treatment with 0.5 mg intravitreal injection may be administered in the affected eye(s) while the implant is in place. |
| Vabysmo | faricimab | Diabetic macular edema (DME) | The recommended dose is one of the following regimens: 1) 6 mg (0.05 mL) administered by intravitreal injection every 4 weeks for at least 4 doses, followed by extensions of up to 4 week interval increments or reductions of up to 8 week interval increments based on response; or 2) 6 mg (0.05 mL) administered every 4 weeks for the first 6 doses, followed by 6 mg dose via intravitreal injections at intervals of every 8 weeks over the next 28 weeks. Although most patients require dosing every 8 weeks, some patients may need dosing every 4 weeks. Maximum of 12 doses per year per eye. |
| | | Neovascular age-related macular degeneration (nAMD) | The recommended dose is 6 mg (0.05 mL) by intravitreal injection every 4 weeks for the first 4 doses, followed by one of the following three regimens: 1) Weeks 28 and 44; 2) Weeks 24, 36, and 48; or 3) Weeks 20, 28, 36 and 44. Although most patients require dosing every 8 weeks, some patients may need dosing every 4 weeks. Maximum of 12 doses per year per eye. |
| | | Macular edema following retinal vein occlusion (RVO) | The recommended dose is 6 mg (0.05 mL) by intravitreal injection every 4 weeks (approximately every 28 ±7 days, monthly) for 6 months. |

Background

Vascular endothelial growth factor (VEGF) is a protein that stimulates the growth, proliferation and survival of vascular endothelial cells. VEGF plays a critical role in the development of new blood vessels (angiogenesis), increases vascular permeability in small blood vessels and prevents apoptosis of vascular endothelial cells in immature blood vessels. VEGF has been implicated in blood retinal barrier breakdown and pathological ocular neovascularization.⁴

Proven

Neovascular Age-Related Macular Degeneration (AMD)

Ranibizumab-eqrn, ranibizumab-nuna, and faricimab are indicated for the treatment of neovascular age-related macular degeneration.

Two identically designed, randomized, multi-center, double-masked, active comparator-controlled, 2-year studies (TENAYA – NCT03823287 and LUCERNE – NCT03823300) assessed the safety and efficacy of faricimab in patients with nAMD. Patients (n = 1329) were newly diagnosed and treatment-naïve with ages ranging from 50 to 99 (mean = 75.9 years). Patients were randomized in a 1:1 ratio to one of two treatment arms: 1) aflibercept 2 mg administered fixed every 8 weeks after three initial monthly doses; and faricimab 6 mg administered by intravitreal injection every 4 weeks for the first 4 doses, followed by optical coherence tomography and visual acuity evaluations 8 and 12 weeks later to determine whether to give a 6 mg dose via intravitreal injection on one of the following three regimens: 1) Weeks 28 and 44 (Q16W dosing); 2) Weeks 24, 36, and 48 (Q12W dosing); or 3) Weeks 20, 28, 36, and 44 (Q8W dosing). At week 48, after 4 initial monthly doses in the faricimab arm, 45% of patients received Q16W dosing, 33% of patients received Q12W dosing, and the remaining 22% of patients received Q8W dosing. Both studies demonstrated non-inferiority to the comparator control (aflibercept) at the primary endpoint, defined as the mean change from baseline in Best Corrected Visual Acuity (BCVA) when averaged over the week 40, 44, and 48 visits and measured by the Early Treatment Diabetic Retinopathy Study (ETDRS) letter chart. The primary endpoint analysis was a non-inferiority comparison for the mean change in BCVA between the aflibercept and the faricimab arm. In both studies, faricimab-treated patients had a non-inferior mean change from baseline in BCVA compared to patients treated with aflibercept. The clinical efficacy for the second year of the study has not been reviewed.

Woo et al. evaluated the equivalence of efficacy, similar safety, and similar immunogenicity of a ranibizumab biosimilar product (SB11) compared with the reference ranibizumab with neovascular age-related macular degeneration in a randomized, double-masked, parallel-group phase 3 equivalence study. The study was conducted in 75 centers in 9 countries from March 14, 2018 to December 9, 2019, among 705 participants 50 years or older with neovascular age-related macular degeneration with active subfoveal choroidal neovascularization lesions. Patients were randomized in a 1:1 ratio to receive intravitreal injection of either SB11 or ranibizumab, 0.5 mg, every 4 weeks through week 48. Preplanned interim analysis after all participants completed the week 24 assessment of primary efficacy end points at week 8 for change from baseline in best-corrected visual acuity (BCVA) and week 4 for central subfield thickness (CST), with predefined equivalence margins for adjusted treatment differences of -3 letters to 3 letters for BCVA and -36 μm to 36 μm for CST. Least-squares mean (SE) changes in BCVA from baseline at week 8 were 6.2 (0.5) letters in the SB11 group vs 7.0 (0.5) letters in the ranibizumab group. Least-squares mean (SE) changes in CST from baseline at week 4 were -108 (5) μm in the SB11 group vs -100 (5) μm in the ranibizumab group. Incidences of treatment-emergent adverse events (231 of 350 [66.0%] vs 237 of 354 [66.9%]), including serious treatment-emergent adverse events (44 of 350 [12.6%] vs 44 of 354 [12.4%]) and treatment-emergent adverse events leading to study drug discontinuation (8 of 350 [2.3%] vs 5 of 354 [1.4%]), were similar in the SB11 and ranibizumab groups. Immunogenicity was low, with a cumulative incidence of antidrug antibodies up to week 24 of 3.0% (10 of 330) in the SB11 group and 3.1% (10 of 327) in the ranibizumab group. These findings of equivalent efficacy and similar safety and immunogenicity profiles compared with ranibizumab support the use of SB11 for patients with neovascular age-related macular degeneration.

The clinical equivalence of ranibizumab-eqrn and reference ranibizumab was evaluated in a prospective, evaluation-masked, parallel-group, 48-week, phase 3 randomized study in patients with treatment-naïve, subfoveal choroidal neovascularization caused by neovascular age-related macular degeneration (nAMD). A total of 477 patients were randomly assigned to receive ranibizumab-eqrn (n = 238) or reference ranibizumab (n = 239) 0.5mg by intravitreal (IVT) injection in the study eye every 4 weeks. The primary end point was change from baseline in best-corrected visual acuity (BCVA) by Early Treatment Diabetic Retinopathy Study (ETDRS) letters at 8 weeks before the third IVT injection. Biosimilarity of ranibizumab-eqrn to its originator was assessed via a 2-sided equivalence test, with an equivalence margin in BCVA of 3 ETDRS letters. The BCVA improved in both groups, with a mean improvement of + 5.1 (FYB201) and + 5.6 (reference ranibizumab) ETDRS letters at week 8. The analysis of covariance (ANCOVA) least squares mean difference for the change from baseline between ranibizumab-eqrn and reference ranibizumab was -0.4 ETDRS letters with a 90% confidence interval (CI) of -1.6 to 0.9. Primary end point was met as the 90% CI was within the predefined equivalence margin of -3.5 to 3.5. In the post hoc analysis, the ANCOVA least squares mean difference for the change from baseline in BCVA at week 8 between ranibizumab-eqrn and reference ranibizumab was -0.4 ETDRS letters, with a 95% CI of -1.9 to 1.1, again meeting the criteria for equivalence between drugs. In the per-protocol sensitivity analysis, the ANCOVA least squares mean difference for change in BCVA between ranibizumab-eqrn and reference

ranibizumab at week 8 was -0.4 ETDRS letters, with a 90% CI of -1.7 to 0.9, also contained within the predefined equivalence margin. The frequency and type of ocular adverse events were comparable between treatment groups. Most adverse events were of mild or moderate intensity, and no clinically relevant differences were identified. The most frequent study drug-related adverse events in the ranibizumab-eqrn and reference ranibizumab groups, respectively, were cataract (0.0% and 2.1%), retinal pigment epithelium tear (0.4% and 1.3%), reduced visual acuity (0.0% and 1.3%), punctate keratitis (0.0% and 0.8%), vitreous hemorrhage (0.4% and 0.4%), eye pain (0.8% and 0.0%), increased gamma-glutamyl transferase level (0.4% and 0.4%), and increased intraocular pressure (1.3% and 0.8%). A total of 21.4% (ranibizumab-eqrn) and 27.6% (reference ranibizumab) of patients experienced adverse events related to the IVT injection procedure. The prevalence of treatment-emergent AEs associated with MedDRA preferred terms for intraocular inflammation was similar between FYB201 and reference ranibizumab groups. Of the patients treated with FYB201, 8.4% (20/238) experienced treatment-emergent AEs associated with intraocular inflammation terms, compared with 8.4% (20/239) of patients treated with reference ranibizumab. In both treatment groups, 0.8% of patients experienced treatment-emergent AEs possibly related to the investigational medicinal product, specifically iridocyclitis (n = 1) and conjunctivitis (n = 1) in the FYB201 group, and punctate keratitis (n = 2) in the reference ranibizumab group. Frequency and type of systemic AEs were also similar between FYB201 and reference ranibizumab groups, with the most frequent, respectively, being nAMD in the fellow eye (7.6% and 8.8%), nasopharyngitis (5.0% and 6.7%), hypertension (1.3% and 5.9%), and increased C-reactive protein level (4.2% and 2.1%). A slightly higher incidence of systemic serious AEs was observed in the reference ranibizumab arm (12.1%) compared with the FYB201 arm (7.1%). Three patients discontinued the study because of AEs, 1 in the FYB201 group (worsening of nAMD) and 2 in the reference ranibizumab group (unrelated benign pancreatic neoplasm and malignant tongue neoplasm of unspecified stage). In addition, AEs led to permanent or temporary withdrawal of study drug in an additional 9 patients, 5 in the FYB201 group and 4 in the reference ranibizumab group. In the FYB201 group, 3 patients had interruption of treatment due to mild nonserious AEs (1 with upper respiratory tract infection and 2 with conjunctivitis), and 2 patients had moderate AEs; 1 had a chalazion for which treatment was resumed at the subsequent visit without omitting an injection, and 1 had conjunctivitis for which the patient did not receive the last planned injection. In the reference ranibizumab group, mild nonserious AEs resulted in interruption of treatment in 3 patients (1 each of blepharospasm and visual acuity reduced, vascular anastomosis, and complications associated with device and viral infection), and 1 patient had severe endophthalmitis. Three patients died during the study (n = 2 in FYB201 group and n = 1 in the reference ranibizumab group), but none of the deaths were considered related to the study drug.

The clinical efficacy and safety of Susvimo (ranibizumab ocular implant) was established in a randomized, visual assessor-masked, active treatment-controlled study (Archway-NCT03677934) in 415 patients with AMD. Patients were diagnosed with nAMD within the 9 months prior to screening and received ≥ 3 doses of anti-VEGF intravitreal agents in the study eye within the last 6 months prior to screening. Each patient was required to have demonstrated a response to an anti-VEGF intravitreal agent prior to randomization. Patients were randomized to receive continuous delivery of ranibizumab via the Susvimo implant every 24 weeks or 0.5 mg intravitreal ranibizumab injections every 4 weeks. For patients in the Susvimo arm, supplemental treatment with 0.5 mg intravitreal ranibizumab injections were available at Weeks 16, 20, 40, 44, 64, 68, 88 and 92, if needed. The primary endpoint was the change from baseline in distance best corrected visual acuity (BCVA) score averaged over week 36 and week 40. Ranibizumab ocular implant was equivalent to the intravitreal ranibizumab injections. The adjusted mean change from baseline in BCVA score was 0.2 and 0.5, for ranibizumab implant and ranibizumab injections, respectively (difference -0.3, 95% CI: -1.7, 1.1).⁹

The efficacy of Eylea HD (afibercept) for the treatment of nAMD was established in PULSAR, a randomized, double-masked, active-controlled study in 1,009 treatment-naïve patients with nAMD.⁸⁴ Patients were randomly assigned to 1 of 3 treatment groups: 1) Eylea HD every 12 weeks following 3 initial monthly doses; 2) Eylea HD every 16 weeks following 3 initial monthly doses; or 3) Eylea 2 mg every 8 weeks following 3 initial monthly doses. The primary endpoint was the change from baseline in Best Corrected Visual Acuity (BCVA) at week 48 as measured by the Early Treatment Diabetic Retinopathy Study (ETDRS) letter score. Both Eylea HD treatment arms were shown to be non-inferior and clinically equivalent to Eylea treatment with respect to the change in BCVA score at week 48 using the pre-specified non-inferiority margin of 4 letters.

Diabetic Macular Edema

Ranibizumab, and ranibizumab-eqrn are indicated for the treatment of diabetic macular edema (DME).

Two randomized, multi-center, double-masked, active comparator-controlled 2-year studies (YOSEMITE – NCT03622580 and RHINE – NCT03622593) assessed the safety and efficacy of faricimab in patients with DME. Patients (n = 1891) with diabetes were enrolled in the two studies with a total of 1262 patients treated with at least one dose of faricimab. Patient ages ranged from 24 to 91 years old (mean = 62.2 years). The overall population included both anti-VEGF naïve patients (78%) and patients

who had been previously treated with a VEGF inhibitor prior to study participation (22%). The studies were identically designed, 2 year studies. Patients were randomized in a 1:1:1 ratio to one of three treatment regimens: 1) aflibercept Q8W, patients received fixed aflibercept 2 mg administered every 8 weeks (Q8W) after the first five monthly doses; 2) faricimab Q8W, patients received fixed faricimab 6 mg administered Q8W after the first six monthly doses; and 3) faricimab variable, patients received faricimab 6 mg administered every 4 weeks for at least four doses and until the central subfield thickness (CST) of the macula measured by optical coherence tomography was less than approximately 325 microns, then the interval of dosing was modified by up to 4 week interval extensions or reductions in up to 8 week interval increments based on CST and visual acuity disease activity criteria at study drug dosing visits. After 4 initial monthly doses, the patients in the faricimab variable arm could have received between the minimum of three and the maximum of eleven total injections through Week 56 inclusive. At Week 56, 32% of patients had completed at least one Q12W interval followed by one full Q16W interval. Seventeen percent (17%) of patients were treated on Q8W and/or Q4W dosing intervals through Week 56 (7% only on Q4W). These percentages are reflective of what happened within the conduct of these trials, but the percentages are not generalizable to a broader DME population due to the inclusion/exclusion criteria limited enrollment to a select subset of DME patients and that there is no empirical data that a similar magnitude would be observed if eligibility criteria allowed for broader enrollment. Both studies demonstrated non-inferiority to the comparator control (aflibercept) at the primary endpoint, defined as the mean change from baseline in BCVA at year 1 (average of the week 48, 52, and 56 visits), measured by the ETDRS Letter Score. The primary endpoint analysis was a non-inferiority comparison for the mean change in BCVA between the aflibercept and faricimab groups. In both studies, faricimab Q8W and faricimab variable treated patients had a mean change from baseline in BCVA that was non-inferior to the patients treated with aflibercept Q8W. Clinical efficacy for the second year study has not been reviewed.⁷⁹

The efficacy of Eylea HD was established in PHOTON, a randomized, double-masked, active-controlled study in 658 patients with DME involving the center of the macula.⁸⁴ Patients were randomly assigned to 1 of 3 treatment groups: 1) Eylea HD every 12 weeks following 3 initial monthly doses; 2) Eylea HD every 16 weeks following 3 initial monthly doses; or 3) Eylea 2 mg every 8 weeks following 5 initial monthly doses. The primary endpoint was the change from baseline in BCVA at week 48 as measured by the ETDRS letter score. Both Eylea HD treatment arms were shown to be non-inferior and clinically equivalent to Eylea treatment with respect to the change in BCVA score at week 48 using the pre-specified non-inferiority margin of 4 letters.

Proliferative Diabetic Retinopathy

Efficacy and safety data of Eylea HD in DR are derived from the PHOTON study. In the PHOTON study, a key efficacy outcome was the change in the ETDRS Diabetic Retinopathy Severity Scale (ETDRS-DRSS). The proportion of patients achieving ≥ 2 -step improvement on ETDRS-DRSS was similar between the Eylea HD every 12 weeks and Eylea every 8 weeks. The Eylea HD every 16-week treatment arm did not meet the non-inferiority criteria for the proportion of patients with a ≥ 2 -step improvement on ETDRS-DRSS and is not considered clinically equivalent to Eylea administered every 8 weeks.

Macular Edema Secondary to BRVO/CRVO

Faricimab-svoa is indicated for the treatment of macular edema following retinal vein occlusion (RVO).¹

The efficacy of faricimab-svoa were evaluated in two randomized, double-masked studies (BALATON – in patients with macular edema following branch retinal vein occlusion, and COMINO – in patients with macular edema following central retinal vein occlusion/hemiretinal vein occlusion). A total of 1,282 newly diagnosed, treatment-naive patients were enrolled in these studies. In both studies, patients were randomized to either faricimab-svoa 6 mg administered every 4 weeks or the control arm receiving aflibercept 2 mg administered every 4 weeks. The primary endpoint was the change from baseline in Best Corrected Visual Acuity (BCVA) at week 24, measured by the Early Treatment Diabetic Retinopathy Study (ETDRS) Letter Score. In both studies, Vabysmo demonstrated non-inferiority to Eylea for the primary endpoint. In BALATON, vision gains were +16.9 (CI 15.7, 18.1) eye chart letters in the faricimab-svoa arm and +17.5 letters (CI 16.3, 18.6) in the aflibercept arm at 24 weeks. In COMINO, vision gains were +16.9 letters (CI 15.4, 18.3) in the faricimab-svoa arm and +17.3 letters (CI 15.9, 18.8) in the aflibercept arm at 24 weeks.

U.S. Food and Drug Administration (FDA)

This section is to be used for informational purposes only. FDA approval alone is not a basis for coverage.

Byooviz (Ranibizumab-Nuna)

Byooviz (ranibizumab-nuna) is indicated for the treatment of patients with neovascular (wet) age-related macular degeneration (AMD), macular edema following vein occlusion (RVO), and myopic choroidal neovascularization (mCNV).

Cimerli (Ranibizumab-Eqrn)

Cimerli (ranibizumab-eqrn) is indicated for the treatment of patients with neovascular (wet) age-related macular degeneration (AMD), macular edema following retinal vein occlusion (RVO), diabetic macular edema (DME), diabetic retinopathy (DR), and myopic choroidal neovascularization (mCNV).

Eylea HD (Aflibercept)

Eylea HD (aflibercept) is indicated for the treatment of patients with neovascular (wet) age-related macular degeneration (AMD), diabetic macular edema (DME), and diabetic retinopathy (DR).¹⁰

Susvimo (Ranibizumab)

Susvimo (ranibizumab) is indicated for the treatment of patients with Neovascular (wet) Age-related Macular Degeneration (AMD) who have previously responded to at least two intravitreal injections of a Vascular Endothelial Growth Factor (VEGF) inhibitor medication.

Vabysmo (Faricimab)

Vabysmo (faricimab) is indicated for the treatment of patients with neovascular (wet) age-related macular degeneration (AMD), diabetic macular edema (DME) and macular edema following retinal vein occlusion (RVO).

References

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Policy History/Revision Information

| Date | Summary of Changes |
|------------|---|
| 04/01/2024 | <p>Coverage Rationale</p> <ul style="list-style-type: none"> Revised list of applicable vascular endothelial growth factor (VEGF) inhibitors and dual VEGF/angiopoietin-2 (Ang-2) inhibitors; added Eylea® HD (aflibercept) Added language to indicate <ul style="list-style-type: none"> Eylea HD (aflibercept) is proven and medically necessary for the treatment of: <ul style="list-style-type: none"> Diabetic macular edema (DME) Diabetic retinopathy (DR) Neovascular age-related macular degeneration (nAMD) Vabysmo (faricimab-svoa) is proven and medically necessary for the treatment of macular edema following retinal vein occlusion (RVO) <p>Applicable Codes</p> <ul style="list-style-type: none"> Added HCPCS codes C9161, J2779, and Q5128 Removed HCPCS codes C9399, J2503, J3490, and J3590 Revised list of ICD-10 diagnosis codes to specify the diagnoses that apply to: <ul style="list-style-type: none"> Byooviz (HCPCS code Q5124) Cimerli (HCPCS code Q5128) Eylea HD (HCPCS code C9161) Susvimo (HCPCS code J2779) Vabysmo (HCPCS code J2777) <p>Maximum Allowed Frequencies</p> <ul style="list-style-type: none"> Added maximum frequency for: <ul style="list-style-type: none"> Eylea HD (aflibercept) <ul style="list-style-type: none"> Diabetic macular edema (DME) and neovascular age-related macular degeneration (nAMD): The recommended dose is 8 mg (0.07 mL) into affected eye(s) every 4 weeks (approximately every 28 days ±7 days) for the first 3 doses, then 8 mg every 8 to 16 weeks ±1 week; maximum of 12 doses per year per eye Retinopathy of prematurity (ROP): The recommended dose is 0.4 mg (0.01 mL) per affected eye(s) and may be given bilaterally on the same day; injections may be repeated in each eye; the treatment interval between doses injected into the same eye should be at least 10 days Susvimo (ranibizumab) <ul style="list-style-type: none"> Neovascular age-related macular degeneration: The recommended dose is 2 mg to affected eye(s) continuously delivered via ocular implant every 24 weeks (approximately 6 months); if clinically necessary, supplemental treatment with 0.5 mg intravitreal injection may be administered in the affected eye(s) while the implant is in place Vabysmo (faricimab) <ul style="list-style-type: none"> Macular edema following retinal vein occlusion (RVO): The recommended dose is 6 mg (0.05 mL) by intravitreal injection every 4 weeks (approximately every 28 ±7 days, monthly) for 6 months <p>Supporting Information</p> <ul style="list-style-type: none"> Updated <i>Clinical Evidence</i>, <i>FDA</i>, and <i>References</i> sections to reflect the most current information Archived previous policy version CSOH2024D0042.A |

Instructions for Use

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