

COVID-19 Vaccine Eye Injuries: Ocular Adverse Events, Vision Problems, Blurry Vision, Visual Impairment, Blindness and More

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WHO VigiAccess Database

As of March 9, 2023, WHO's VigiAccess database recorded 158,649 Adverse Events involving "Eye disorders" following COVID-19 vaccination: (<u>click here</u>)

VigiAccess World Health

COVID-19 vaccine is an active ingredient There are 4932359 reports with this active ingredient

Reported potential side effects

Eye disorders (1%, 158649 ADRs) Vision blurred (32935) Visual impairment (25413) Eye pain (22163) Photophobia (10324) Eye swelling (9105) Ocular hyperaemia (5930) Diplopia (5640) Lacrimation increased (4644) Eye irritation (4621) Eye pruritus (4441) Ocular discomfort (4151) Blindness (3982) Swelling of eyelid (3387) Dry eye (2927) Periorbital swelling (2435) Photopsia (2358) Blepharospasm (2261) Evelid oedema (2195) Eye haemorrhage (2183) Periorbital oedema (2107) Asthenopia (1960) Eye disorder (1930)

Eye movement disorder (1901) Vitreous floaters (1865) Visual field defect (1746) Conjunctival haemorrhage (1665) Retinal vein occlusion (1528) Visual acuity reduced (1466) Eye inflammation (1438) Blindness unilateral (1370) Eyelid ptosis (1341) Uveitis (1199) Blindness transient (979) Mydriasis (892) Retinal detachment (860) Vitreous detachment (825) Retinal artery occlusion (715) Eye discharge (639) Cataract (632) Eye oedema (589) Gaze palsy (567) Iridocyclitis (550) Abnormal sensation in eye (527) Ophthalmic vein thrombosis (519)

Optic ischaemic neuropathy (511) Papilloedema (503) Retinal vein thrombosis (499) Blepharitis (497) Retinal haemorrhage (461) Erythema of eyelid (457) Eyelid function disorder (412) Metamorphopsia (412) Ophthalmoplegia (410) Eyelid disorder (391) Eyelid pain (384) Iritis (375) Glaucoma (356) Hypoaesthesia eye (356) Conjunctival hyperaemia (355) Macular oedema (352) Eyelids pruritus (345) Amaurosis fugax (328) Foreign body sensation in eyes (309) Eyelid irritation (298) Retinal tear (292) Vitreous haemorrhage (286)

Strabismus (283) Eyelid rash (281) Anisocoria (272) Retinal vascular thrombosis (253) Ocular hypertension (234) Eye haematoma (228) Macular degeneration (208) Scleritis (206) Exophthalmos (205) Episcleritis (203) Keratitis (201) Dyschromatopsia (190) Endocrine ophthalmopathy (186) Eye infarction (186) Dark circles under eyes (179) Miosis (179) Eye allergy (178) Ocular vascular disorder (174) Pupil fixed (168) Periorbital pain (165) Accommodation disorder (164) Optic nerve disorder (151)

Myopia (150) Scintillating scotoma (145) Lagophthalmos (140) Retinal vascular occlusion (137) Conjunctivitis allergic (136) Chalazion (129) Eye paraesthesia (118) Optic neuropathy (118) Central serous chorioretinopathy (117) Eyelid haematoma (117) Ocular myasthenia (112) Chorioretinopathy (110) Eyelid margin crusting (110) Acute macular neuroretinopa hy (108) Retinal artery thrombosis (108) Excessive eye blinking (107) Altered visual depth perception (106) Halo vision (106) Eczema eyelids (104) Amaurosis (100) Sudden visual loss (100) Neovascular age-related macular degeneration (98)

Most notable are:

- Vision blurred: 32,935
- Visual impairment: 25,413
- Blindness 3,982
- Blindness, unilateral 1,370

VAERS

In 2021, a total of 717,577 COVID-19 vaccine adverse events were reported to VAERS (<u>click</u> <u>here</u>), and 55,313 of those involved ocular side effects.

One study examined 6688 of these VAERS ocular side effects (Nyankerh et al.)

- 74% of adverse event reports were women
- age group 40 to 59 years old had most frequent adverse events
- age group 18 to 29 had a fairly very high frequency of adverse events
- Moderna and J&J vaccines had higher proportion of adverse ocular events

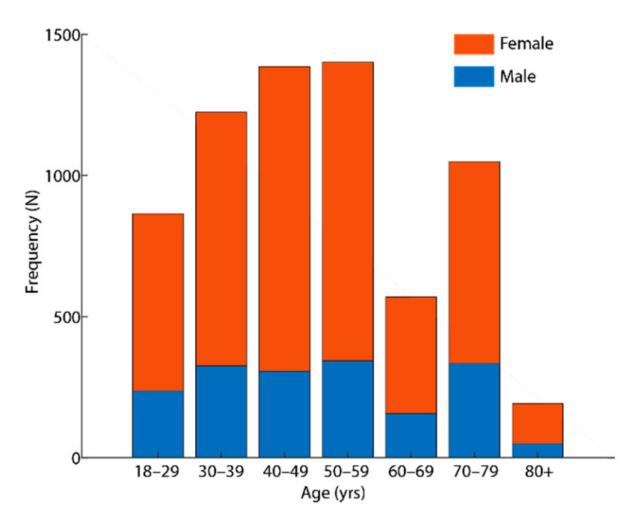


Figure 1. Frequency of ocular adverse events by age after vaccination against COVID-19 in 6688 reports to the VAERS database, 2020–2021.

Table 1. Proportion of main adverse events.

Adverse Event	Count (N)	Percentage	
Blepharospasm	145	2.17	
Blurred vision	1785	26.69	
Dry eye	64	0.96	
Exophthalmos	18	0.27	
Extraocular muscle paresis/ophthalmoplegia	333	4.98	
Eye contusion	57	0.85	
Eye hemorrhage	95	1.42	
Eye hypoaesthesia	48	0.72	
Eyelid swelling, ocular hyperemia, conjunctivitis	2229	33.33	
Eyelid ptosis	102	1.53	
Ophthalmic herpes zoster/simplex	43	0.64	
Photophobia	265	3.96	
Visual impairment	1322	19.77	
Vitreous floaters	182	2.72	
Total	6688	100.00	

Top 3 ocular adverse events out of the 6688 cases examined:

- 1. eyelid swelling, ocular hyperemia, conjunctivitis (33.3%) 2229 cases
- 2. blurred vision (26.7%) 1785 cases
- 3. Visual impairment (19.8%) 1322 cases

Table 2. Main adverse events grouped by the type of vaccine administered.

Diagnosis	Vaccine Type	Group Count 287	
Blurred vision	Janssen		
	Moderna	630	
	Pfizer	868	
Eyelid swelling, ocular hyperemia, conjunctivitis	Janssen	154	
	Moderna	907	
	Pfizer	1168	
Visual impairment	Janssen	182	
	Moderna	502	
	Pfizer	638	

Recent Research - Spain

A Spanish study looked at 70 cases of ocular side effects post COVID-19 vaccine (Pfizer, Moderna, AstraZeneca) (<u>click here</u>)

- 57% were women
- average age was 51
- 50/70 (71%) had uveitis, 10% scleritis, 19% other
- Most concerning were 5 out of 65 patients (7.2%) who had reduced visual acuity

Table 1 Description of the study population by the type of event (n = 70)

Variable	Total (%)	Anterior Uveitis (%)	Posterior Uveitis (%)	Scleritis (%)	Others (%)
Number of Patients	70 (100.0)	41 (58.6)	9 (12.9)	7 (10.0)	13 (18.6)
* Age (years)	51 [19-84]	55 [19-84]	40 [28–61]	48 [40-52]	54 [25-79]
* Gender = Female	35 (56.5)	19 (52.8)	4 (44.4)	6 (85.7)	6 (60)
* Gender = Male	27 (43.5)	17 (47.2)	5 (55.6)	1 (14.3)	4 (40)
History of Previous COVID-19	1 (1.4)	1 (2.4)	0 (0.0)	0 (0.0)	0 (0.0)
Pfizer	40 (57.1)	20 (48.8)	4 (44.4)	5 (71.4)	11 (84.6)
Astra-Zeneca	17 (24.3)	12 (29.3)	4 (44.4)	1 (14.3)	0 (0)
Moderna	10 (14.3)	7 (17.1)	1 (11.1)	1 (14.3)	1 (7.7)
Sinopharm	2 (2.9)	1 (2.4)	0 (0)	0 (0.0)	1 (7.7)
Covaxin	1 (1.4)	1 (2.4)	0 (0)	0 (0.0)	0 (0)
	Number of Patients * Age (years) * Gender = Female * Gender = Male History of Previous COVID-19 Pfizer Astra-Zeneca Moderna Sinopharm	Number of Patients 70 (100.0) * Age (years) 51 [19–84] * Gender = Female 35 (56.5) * Gender = Male 27 (43.5) History of Previous COVID-19 1 (1.4) Pfizer 40 (57.1) Astra-Zeneca 17 (24.3) Moderna 10 (14.3) Sinopharm 2 (2.9)	Number of Patients 70 (100.0) 41 (58.6) * Age (years) 51 [19–84] 55 [19–84] * Gender = Female 35 (56.5) 19 (52.8) * Gender = Male 27 (43.5) 17 (47.2) History of Previous COVID-19 1 (1.4) 1 (2.4) Pfizer 40 (57.1) 20 (48.8) Astra-Zeneca 17 (24.3) 12 (29.3) Moderna 10 (14.3) 7 (17.1) Sinopharm 2 (2.9) 1 (2.4)	Image Image <th< td=""><td>Image: Number of Patients 70 (100.0) 41 (58.6) 9 (12.9) 7 (10.0) * Age (years) 51 [19–84] 55 [19–84] 40 [28–61] 48 [40–52] * Gender = Female 35 (56.5) 19 (52.8) 4 (44.4) 6 (85.7) * Gender = Male 27 (43.5) 17 (47.2) 5 (55.6) 1 (14.3) History of Previous COVID-19 1 (1.4) 1 (2.4) 0 (0.0) 0 (0.0) Pfizer 40 (57.1) 20 (48.8) 4 (44.4) 5 (71.4) Astra-Zeneca 17 (24.3) 12 (29.3) 4 (44.4) 1 (14.3) Moderna 10 (14.3) 7 (17.1) 1 (11.1) 1 (14.3)</td></th<>	Image: Number of Patients 70 (100.0) 41 (58.6) 9 (12.9) 7 (10.0) * Age (years) 51 [19–84] 55 [19–84] 40 [28–61] 48 [40–52] * Gender = Female 35 (56.5) 19 (52.8) 4 (44.4) 6 (85.7) * Gender = Male 27 (43.5) 17 (47.2) 5 (55.6) 1 (14.3) History of Previous COVID-19 1 (1.4) 1 (2.4) 0 (0.0) 0 (0.0) Pfizer 40 (57.1) 20 (48.8) 4 (44.4) 5 (71.4) Astra-Zeneca 17 (24.3) 12 (29.3) 4 (44.4) 1 (14.3) Moderna 10 (14.3) 7 (17.1) 1 (11.1) 1 (14.3)

Recent Research - Iraq

A study from Iraq, published Feb.2023, examined 60 cases with ocular side effects post COVID-19 vaccine (Pfizer, Moderna, AstraZeneca). (<u>click here</u>).

- 53% were women
- 36/60 (60%) had uveitis, 15% scleritis, 10% VKH, 7% Neuroretinopathy, 8% other
- Most concerning were 4 out of 60 patients (6.7%) who had loss of visual acuity

TABLE 3: Distribution of ocular inflammatory side effects after COVID-19 vaccination in the study population (n=60)

	No, %		
Uveitis	36 (60%)		
Scleritis	9 (15%)		
VKH	6 (10%)		
Neuroretinopathy	4 (6.6%)		
Others	5 (8.4%)		

TABLE 4: Distribution of ocular inflammatory side effects after COVID-19 vaccination regarding the type of vaccine

	Uveitis	Scleritis	VKH	Neuroretinopathy	Others
Type of vaccine			1. Ann		
Sinopharm	5 (13.88 %)	4 (44.44%)	2 (33.33%)	2 (50%)	2(40%)
Astra-Zeneca	6 (16.7 %)	2 (22.22%)	2 (33.33%)	1(25%)	1(20%)
Pfizer	12 (33.33%)	2 (22.22%)	1 (16.67%)	1(25%)	1(20%)
Moderna	13 (36.11 %)	1 (11.11%)	1 (16.67%)	0	1(20%)

Government of Canada on ocular adverse events:

Government of Canada lists more types of ocular adverse events and eye injuries following COVID-19 vaccination, than for COVID-19 infection (<u>click here</u>):



MENU 🗸

Canada.ca > Health > Diseases and conditions > Coronavirus disease (COVID-19) > Guidance documents

Reporting ocular adverse events following COVID-19 vaccination: Communiqué to healthcare professionals

 Table 1: Non-exhaustive list of ocular adverse events occurring with SARS-CoV-2 infection and adverse

 events following vaccination with COVID-19 vaccines

Occurring with SARS-CoV-2 infection	Rare case reports following COVID-19 vaccination (unknown association)
 Eyelid manifestations Anterior and posterior ocular segment manifestations Neuro-ophthalmic ocular manifestations Conjunctivitis Episcleritis Uveitis Vascular changes in the retina and cotton wool spots Optic neuritis Ocular motility deficits from cranial nerve palsies Transient visual blurring from accommodation deficits 	 Eyelid swelling, eyelid purpuric lesions Herpes zoster ophthalmicus Corneal graft rejection after corneal transplantation Acute macular neuroretinopathy Multiple evanescent white dot syndrome Central serous retinopathy Retinal detachment Acute anterior uveitis Panuveitis Multifocal choroiditis Acute zonal occult outer retinopathy Reactivation of Vogt-Koyanagi-Harada (VKH) disease Optic neuritis Arteritic anterior ischemic optic neuropathy Abducens nerve palsy Superior ophthalmic vein (SOV) thrombosis Cerebral venous sinus thrombosis New-onset Graves' disease Other reports with only ocular symptoms, without ocular findings, such as visual blurring and eye pain

How COVID-19 vaccines can damage the eyes:

- 1. Autoimmune reactions (eg. uveitis, optic neuritis, Graves) (click here)(click here)
- 2. Viral Reactivation of herpes, varicella zoster virus (click here)
- 3. Parasite reactivation (toxoplasma) (click here)(click here)
- 4. Blood clots (eg. retinal artery/vein occlusion) (click here)(click here)
- 5. Blood vessel inflammation (eg. retinal vasculitis, Behcet's) (click here)(here)
- 6. Bleeding or hemorrhage (eg. retinal hemorrhage) (click here)
- 7. Demyelination (eg. multiple sclerosis lesions in the brain (click here)(click here)
- 8. Reaction to Polyethylene glycol (PEG)-2000 lipid in mRNA vaccines (click here)
- 9. Corneal graft rejection (click here)

Post vaccine visual disturbances that can't be explained

Epoch Times ran an excellent article on Dec.16, 2022 called: "Eye Problems? You may have been blinded by your trust of COVID-19 vaccines" (click here):

Dr. Lynnell Lowry is an ophthalmologist in private practice in San Antonio, Texas. She said that she has seen more unusual eye problems since the roll-out of the COVID-19 vaccines than she ever has in 25 years of practicing medicine.

"A lot of folks are coming in with a visual disturbance that we can't explain"

Q

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My take...

COVID-19 vaccines have adversely affected the eyes of 100,000s of people and 10,000s have suffered permanent visual impairment up to and including blindness.

These are often very serious side effects and unfortunately, they are common.

Women suffer eye injuries more often than men, and age group 40-59 is most impacted. Autoimmune reaction seems to be the most common mechanism of COVID-19 vaccine injury.

As with all other adverse events following COVID-19 vaccination, the side effects involving eyes have been downplayed by health authorities and doctors.

A thorough discussion of the risks of eye injury should be conducted as part of informed consent, with any doctor who recommends COVID-19 vaccination.

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Dr. William Makis is a Canadian physician with expertise in Radiology, Oncology and Immunology. Governor General's Medal, University of Toronto Scholar. Author of 100+ peerreviewed medical publications.

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THE

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<u>Children Who Were Injured by Pfizer or Moderna COVID-19 mRNA Vaccines: Hallucinations,</u> <u>Self-harm, Suicide Attempts, Permanent Disability</u>

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