

Dermal Filler Medical Device Reporting (MDR)

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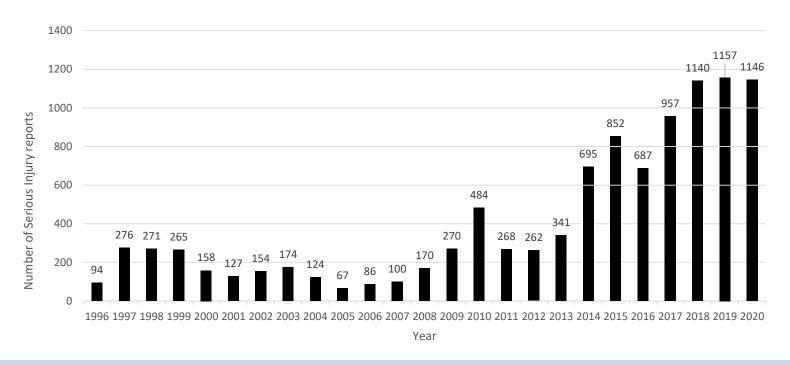


Medical Device Reports- Limitations

- The MDR system provides FDA with timely information on medical device performance from patients, providers, and manufacturers.
- While the MDR system is a valuable source of information, this passive surveillance system has limitations, including incomplete, inaccurate, untimely, unverified, or biased data in the reports.
- In addition, the incidence or prevalence of an event cannot be determined from this reporting system alone due to potential underreporting, duplicate reporting of events, and the lack of information about the total number of devices.

Dermal Filler Serious Injury MDRs: 1996-2020 N=10,325



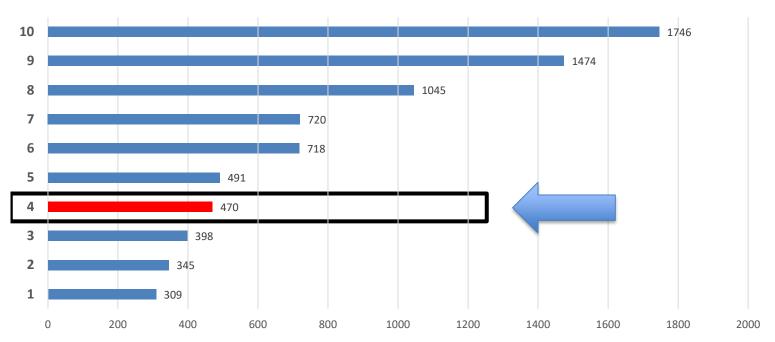


Serious Injury-An injury or illness that is life threatening, results in permanent impairment of a body function or structure, or necessitates medical or surgical intervention to preclude permanent impairment of a body function or structure.

5 Year Data Search

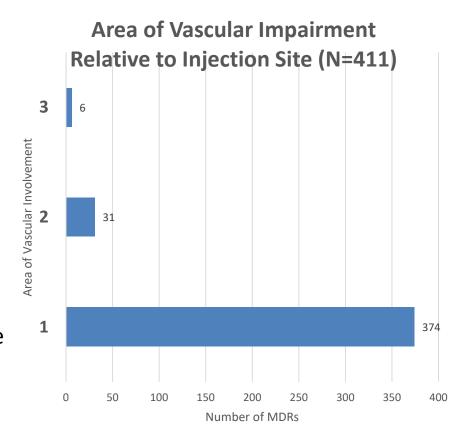


- Dates: August 1, 2015 August 1, 2020
- N = 5,009 Serious Injury MDR Srt Title



 Data extracted from 411 Dermal Filler
 MDRs identified as "Serious Injury" with associated patient problem code "Vascular System (Circulation), Impaired"

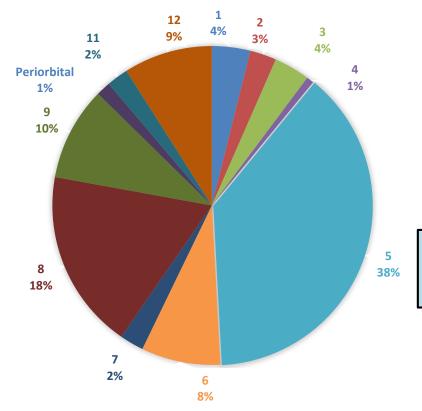
- 49% of MDRs originated outside of the United States
- This graph contains reports of uses that are not approved



Data extracted from 411 Dermal Filler MDRs identified as "Serious Injury" with associated patient problem code "Vascular System (Circulation), Impaired".

Vascular Events by Anatomic Location of Injection

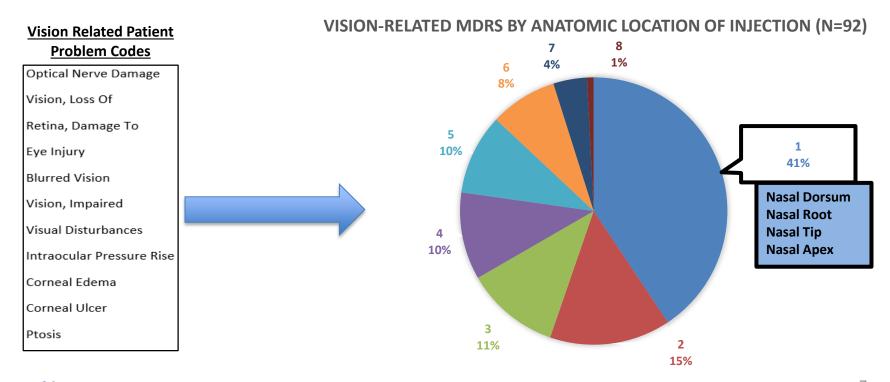
The Nose is associated with the highest number of Distant Vascular Impairment Events



The Lips are associated with the highest number of Local Vascular Events

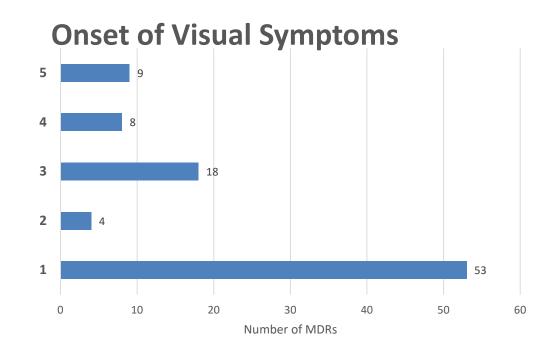
Serious Injuries Related to Vision

• A search was conducted of all 5,009 Dermal Filler MDRs labeled as "Serious Injury" for reports associated with vision related patient problem codes.

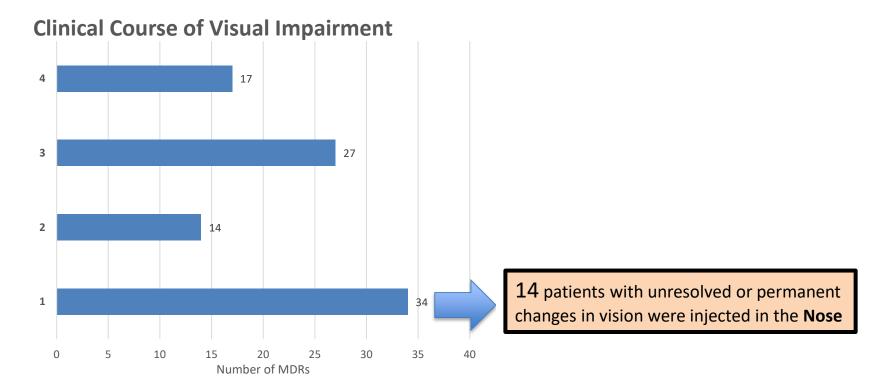


Data was extracted from 92 MDRs for Dermal Filler with patient problem codes associated with visual impairment

- 58% of patients had immediate onset of visual impairment
- Most Common Symptoms
 - Blurred vision
 - Pain
 - Partial or total blindness
 - Headache
 - Dizziness
- Eye(s) Affected
 - Unilateral N=68
 - Bilateral N=2
 - Unknown N=22



Data was extracted from 92 MDRs for Dermal Fillers with patient problem codes associated with visual impairment



Of the 92 vision-related MDRs, there were 17 reports (17/92, 18.5%) of patients who also experienced neurological symptoms.

The most commonly reported symptoms

- drowsiness
- non-reactive pupil
- absent light reflex
- facial drooping
- paralysis

