



Christopher Surek, DO
Board Certified Plastic Surgeon

Safety & Efficacy of Dermal Fillers



THE IMPORTANCE OF ANATOMY & TECHNIQUE EDUCATION

Christopher Surek, DO



- Board Certified Plastic Surgeon (American Board of Plastic Surgery)
- Internationally recognized speaker, industry consultant and published author on injectable fillers for the face.
- Co-Author of “Facial Volumization: An Anatomic Approach”
 - An anatomical atlas for facial injectables.



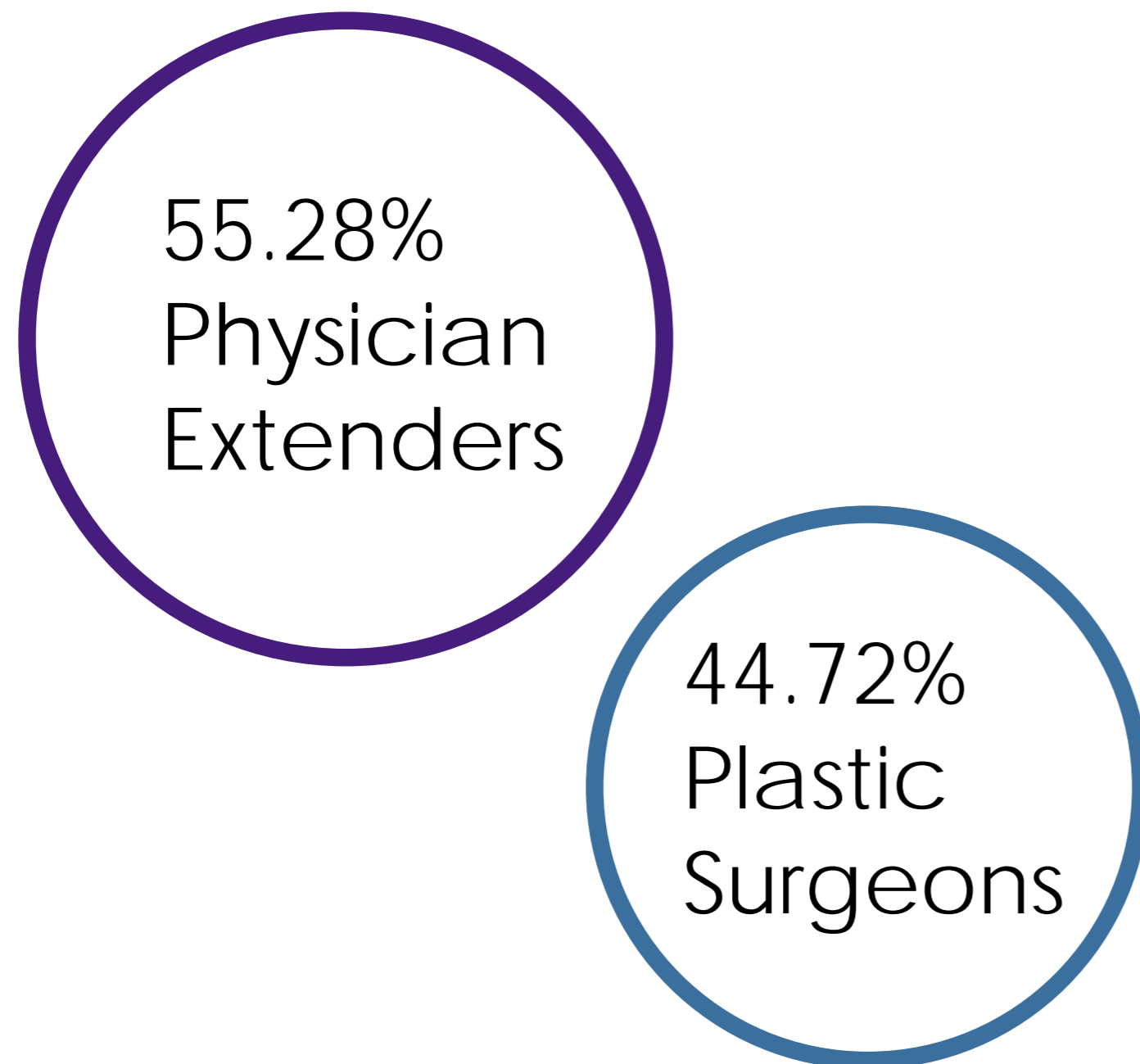
3,240,471

Total Dermal Fillers



2019-2020 UNITED STATES

Data from the Aesthetic Neural Network (ANN). ANN connects directly to participating Aesthetic Society member plastic surgeons' Practice Management systems to retrieve real-time, de-identified, billing data. The data is reviewed and mapped by subject matter experts to generate a dynamic, comprehensive, longitudinal, valid and reliable repository of procedural and billing data



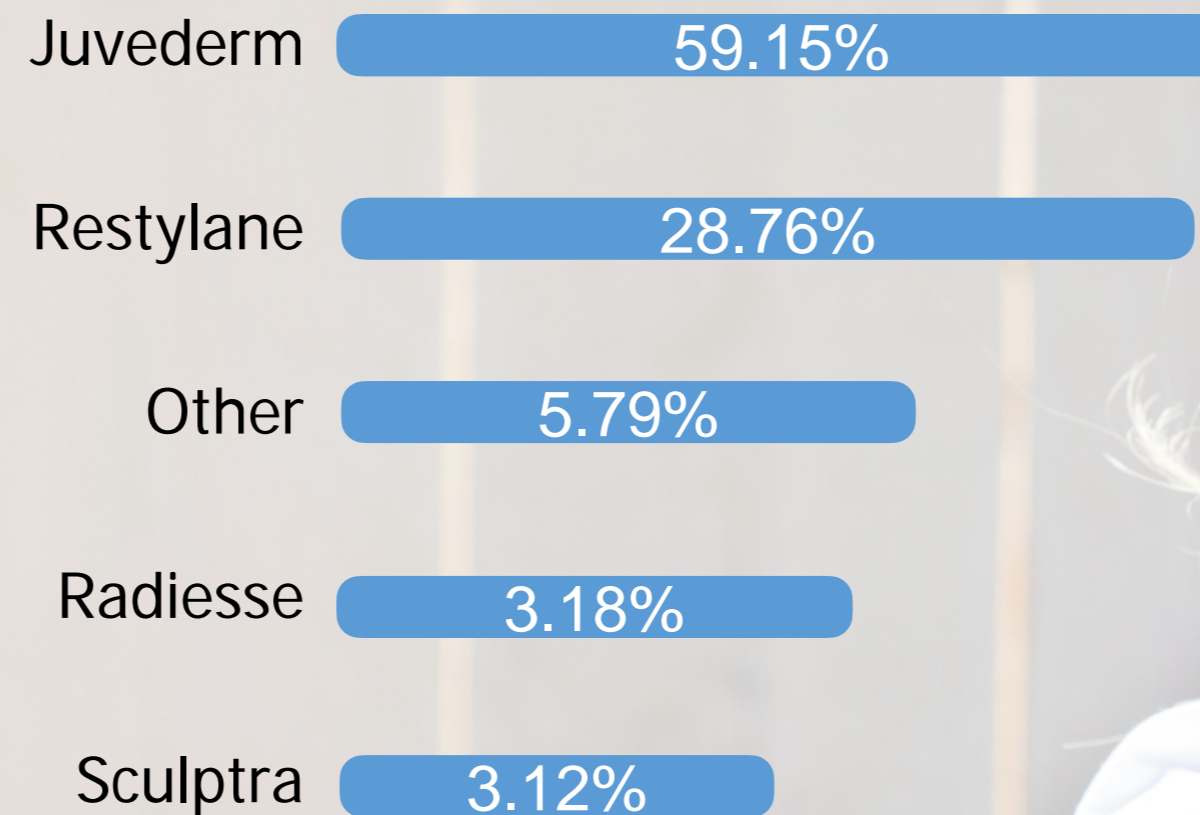
Who's Injecting?

2019-2020 UNITED STATES

Physician Extenders are practice staff qualified to administer fillers under the guidance of a Board-Certified Plastic Surgeon, such as Physician Assistants or Nurse Practitioners.

What's Being Injected?

Percentage of the most popular dermal fillers 2019-2020



The Anatomy of an Injection

HOW TO NAVIGATE SAFELY TO THE TARGET?

1. UNDERSTAND 3-D FACIAL ARCHITECTURE
2. SELECT DEPTH OF INJECTION
3. AVOIDING VASCULAR & LYMPHATIC
STRUCTURES
4. ARRIVE AT YOUR DESIRED TARGET





Education, Research & Training

44 Peer-Reviewed Publications (past 24 months)

- Aesthetic Surgery Journal (ASJ)
- Aesthetic Surgery Journal Open Forum

Ongoing Hands-On & Virtual Learning

- **30** different educational Events since **1999**
- **285** hours of dedicated injection content training

Injectables Safety Handbook on RADAR Resource



Outcomes/Complication Management

Greg J Goodman, FACD, Mark R Magnusson, MBBS, FRACS, Peter Callan, MBBS, FRACS, MBA, Stefania Roberts, MA, MBBS, FRACP, Sarah Hart, MBChB, NZSCM, Cara B McDonald, MBBS, FACD, Michael Clague, BSc, Alice Rudd, MBBS, FACD, Philip S Bekhor, MBBS, FACD, Steven Liew, MBBS, FRACS, Michael Molton, MBBS, FCPCA, Katy Wallace, MN, NP, Niamh Corduff, FRACS, Sean Arendse, MBBS, Shobhan Manoharan, FACD, Ava Shamban, MD, Izolda Heydenrych, MB, ChB, Ashish C Bhatia, MD, FAAD, Peter Peng, MD, Tatjana Pavicic, MD, PhD, Krishan Mohan Kapoor, MCh, DNB, David E Kosenko, MBBS, FRACGP, FCPCA, A Consensus on Minimizing the Risk of Hyaluronic Acid Embolic Visual Loss and Suggestions for Immediate Bedside Management, *Aesthetic Surgery Journal*, Volume 40, Issue 9, September 2020, Pages 1009–1021, <https://doi.org/10.1093/asj/sjz312>

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Injection Technique

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Product Science

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Pertinent Anatomy

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Patient Safety, Patient Choice.

1. Consistent and Recurring ANATOMY Education
 2. Obtaining a solid UNDERSTANDING of Rheology (Gel Science)
 3. Proper Supervision
 4. Implementation of Safety Protocols for Adverse Events
 5. Dedicated Peer Review Research on Safe & Effective techniques
 6. Proper Informed Consent with Patients
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Thank You