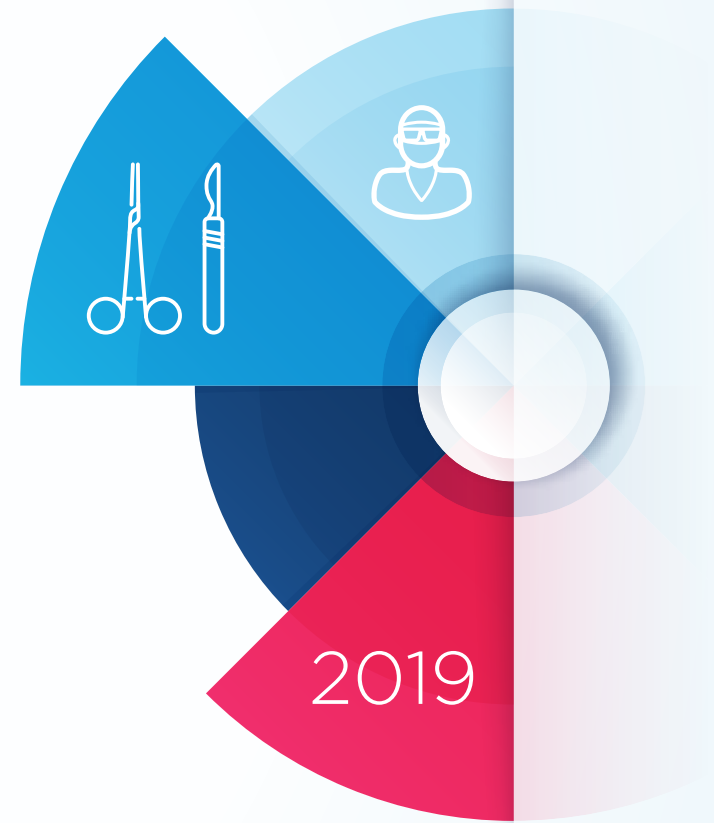




AMERICAN SOCIETY OF  
PLASTIC SURGEONS®

# PLASTIC SURGERY STATISTICS REPORT

*ASPS National Clearinghouse of  
Plastic Surgery Procedural Statistics*



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# About the American Society of Plastic Surgeons

## The American Society of Plastic Surgeons®

ASPS®, a non-profit organization, supports members in their efforts to provide the highest quality patient care through education, research and advocacy. It is the only organization with two decades of plastic surgery statistics - 1992-2019. ASPS is the largest organization of board-certified plastic surgeons in the world. With more than 8,000 members, the Society is recognized as a leading authority and information source on cosmetic and reconstructive plastic surgery. ASPS comprises more than 93 percent of all board-certified plastic surgeons in the United States. Founded in 1931, the Society represents physicians certified by The American Board of Plastic Surgery, Inc.® (ABPS®) or The Royal College of Physicians and Surgeons of Canada.

The ASPS mission is to advance quality care to plastic surgery patients by encouraging high standards of training, ethics, physician practice, and research in plastic surgery.

ASPS Member Surgeons are uniquely qualified to perform cosmetic and reconstructive plastic surgery on the face and all areas of the body.

Consumers can visit the ASPS at [PlasticSurgery.org](http://PlasticSurgery.org) to find ASPS Member Surgeons in their area or learn more about cosmetic and reconstructive plastic surgery, like us on [Facebook.com/PlasticSurgeryASPS](https://www.facebook.com/PlasticSurgeryASPS) and follow us at [Twitter.com/ASPS\\_News](https://twitter.com/ASPS_News).

## ASPS Spokespersons Network

The ASPS Spokespersons Network is a valuable plastic surgery resource. It comprises more than 100 plastic surgeons from across the United States and Canada trained and available to assist journalists.

These spokespersons provide expert perspectives on a broad range of plastic surgery topics including procedural details, the patient-physician relationship, emerging trends, teens, and minorities.

They are also knowledgeable about the Society's positions on health care reform, scope of practice and other issues that affect patient care.

To arrange interviews with members of the ASPS Spokespersons Network, contact the ASPS Public Relations **Department**.

## PlasticSurgery.org

The ASPS online newsroom is the most comprehensive site for journalistic research on cosmetic and reconstructive plastic surgery on the Internet. The latest news releases and the online version of the National Clearinghouse of Plastic Surgery Statistics are available.

Full color graphics and statistical graphs can be downloaded or are available by contacting the ASPS Public Relations Department.

## Pre- and Postoperative Photos and B-Roll

ASPS has a library of pre- and postoperative images and B-roll available to the media by contacting the ASPS Public Relations Department.



ASPS Member Surgeons have the following qualifications:

Are **certified** by The American Board of Plastic Surgery and **trained** specifically in plastic surgery.

Have at least **6 years** surgical training, minimum of 3 years plastic surgery training.

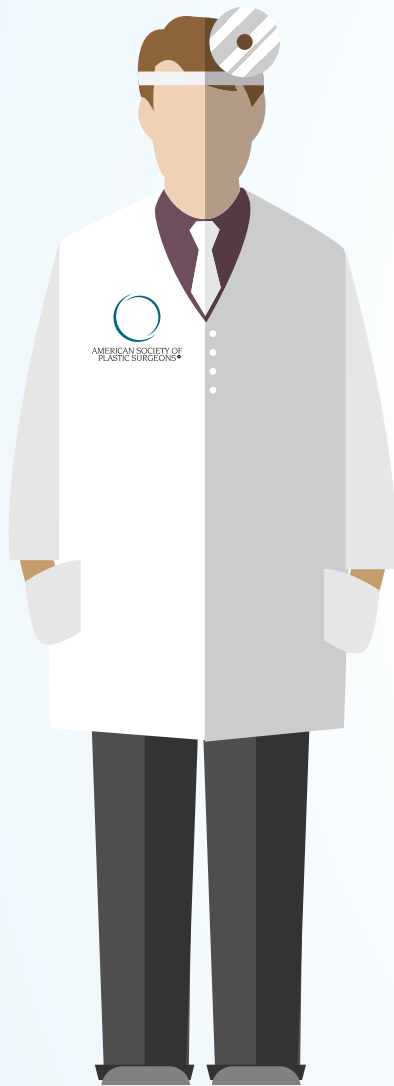
Operate only in **accredited** medical facilities.

Adhere to a strict code of **ethics**.

Fulfill continuing education requirements, including **patient safety** techniques.

Are **partners** with patients in cosmetic and reconstructive plastic surgery

## Methodology and Validity



### Methodology

Since 1992, the American Society of Plastic Surgeons® (ASPS®) has been the source of cosmetic and reconstructive plastic surgery statistical trends in the U.S., and this series represents over two decades of procedural data. ASPS has partnered with Data Harbor Solutions, a health care industry data management and technology development company, to ensure objectivity in the gathering, analysis and publication of its procedural statistics.

Since 2000, the report represents a universal and comprehensive estimate of cosmetic and reconstructive plastic surgery procedures performed by ASPS Member Surgeons as well as other physicians most likely to perform plastic surgery procedures. These physicians are all certified by American Board of Medical Specialties (ABMS) recognized boards.

ABMS is the umbrella organization for the 24 approved medical specialty boards in the United States. Established in 1933, ABMS serves to provide information concerning issues involving specialization and certification in medicine. The American Board of Plastic Surgery® (ABPS®) represents physicians who are certified by ABPS®, the only ABMS member board that certifies surgeons in plastic surgery of the face and entire body.

ASPS offers the most comprehensive, reliable statistics on cosmetic and reconstructive plastic surgery procedures performed in the United States. The annual questionnaire was distributed to more than 24,600 ABMS board-certified physicians (An online and faxed version of the questionnaire were made available. A total of 512 active physicians returned questionnaires. Overall, 682 active physicians were included in the final sample). This data is combined with the first online national database for plastic surgery procedures Tracking Operations and Outcomes for Plastic Surgeons<sup>SM</sup> (TOPS<sup>SM</sup>).

All responses are aggregated and extrapolated to the entire population of more than 24,600 board certified physicians most likely to perform cosmetic and reconstructive plastic surgery procedures, resulting in the most accurate census available.

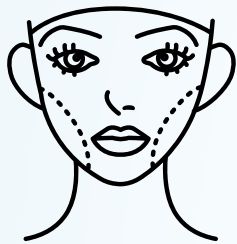
### Validity

Results of the survey are based on a 95 percent confidence level with a  $\pm 4.12$  percent margin of error.

# 2019 Quick Facts

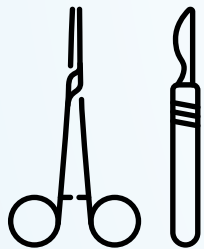
## Cosmetic and Reconstructive Plastic Surgery Trends

Percentage change 2019 vs. 2018



### 18.1 Million Cosmetic Procedures

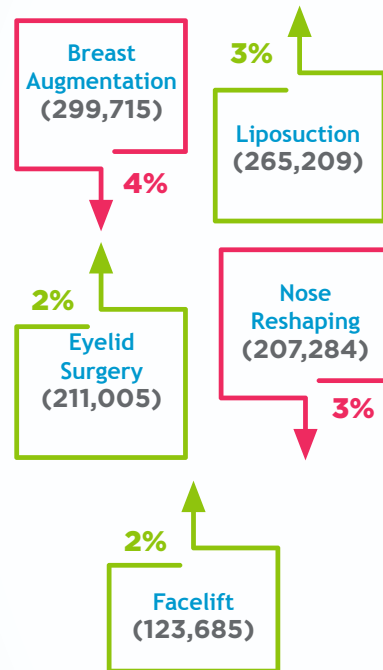
- 1.8 million cosmetic surgical procedures (no change from 2018)
- 16.3 million cosmetic minimally-invasive procedures ↑2%



### 5.9 Million Reconstructive Procedures

(1% increase from 2018)

#### 2019 Top 5 Cosmetic Surgical Procedures

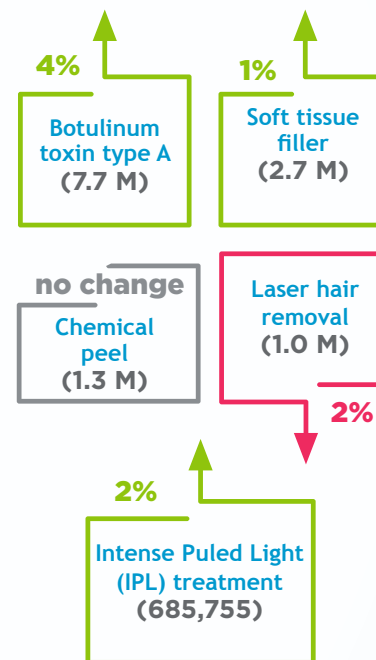


Breast augmentation continues to be the top cosmetic surgical procedure and has been since 2006. Silicone implants were used in 85%, and saline implants in 15%, of all breast augmentations in 2019.

Cosmetic surgical procedures, not among the Top 5, with notable gains in 2019 include:

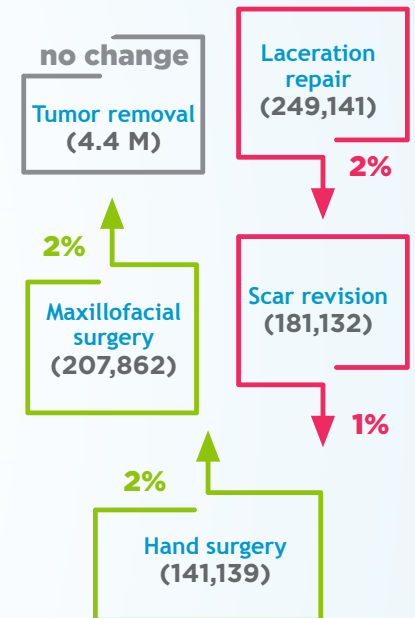
- Buttock augmentation w/ fat grafting - up 17%
- Labiaplasty - up 9%

#### 2019 Top 5 Cosmetic Minimally-Invasive Procedures



Facial rejuvenation procedures continue to experience growth, as 2019 marked the highest number of botulinum toxin type A injections to date, with close to 7.7 million injections!

#### 2019 Top 5 Reconstructive Procedures

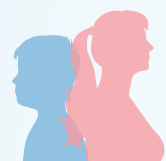


Tumor removal is overwhelming the top reconstructive procedure performed every year with approximately 4.5 million procedures in 2019!

# 2019 Quick Facts

## Cosmetic Plastic Demographic Trends

### Percentage change 2019 vs. 2018



**13-19** year old

Make up the least number of cosmetic procedures - only 1% of the total. Some of the most common procedures for teens were: nose reshaping, male breast reduction, ear surgery, laser hair removal and laser skin resurfacing.

223,000 total cosmetic procedures ↓ 1%  
64,000 surgical ↓ 1%  
160,000 minimally-invasive ↓ 1%



**20-29** year old

825,000 total cosmetic procedures ↓ 1%  
259,000 surgical ↓ 2%  
565,000 minimally-invasive no change



**30-39** year old

2.9 million total cosmetic procedures ↑ 2%  
394,000 surgical ↓ 1%  
2.6 million minimally-invasive ↑ 2%



**40-54** year old

Make up the majority of cosmetic procedures - 49% of the total.

7.9 million total cosmetic procedures ↓ 1%  
568,000 surgical ↓ 1%  
7.3 million minimally-invasive ↑ 2%



**55** year old  
(and over)

4.3 million total cosmetic procedures ↑ 2%  
385,000 surgical ↑ 1%  
3.9 million minimally-invasive ↑ 2%

**FEMALE**  
92% of all cosmetic procedures  
14.9 million total cosmetic procedures ↑ 2%  
• 1.5 million surgical no change  
• 13.4 million minimally-invasive ↑ 2%

**MALE**  
8% of all cosmetic procedures  
1.3 million total cosmetic procedures no change  
• 211,000 surgical ↓ 2%  
• 1.1 million minimally-invasive no change



**ETHNIC**

Caucasians (12.7 million) ↑ 2%  
Hispanic (2 million) ↑ 3%  
African Americans (1.7 million) ↑ 4%  
Asian Americans (1.2 million) ↑ 3%

**Did you know...**

- \$16.7 billion was spent on cosmetic procedures in the U.S.
- Region with the most cosmetic procedures performed in the U.S. is Mountain/Pacific - 5.3 million (29%) procedures
- Cosmetic procedures performed in an office setting are up 4%

# Cosmetic Procedure Trends

COSMETIC SURGICAL PROCEDURES	2019	2018	2000	% CHANGE 2019 vs. 2018	% CHANGE 2019 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	299,715	313,735	212,500	-4%	41%
Breast implant removals (Augmentation patients only)	33,764	29,236	40,787	15%	-17%
Breast lift (Mastopexy)	113,188	109,638	52,836	3%	114%
Breast reduction (Aesthetic patients only)****	46,340	43,591	*	6%	*
Breast reduction in men (Gynecomastia)	24,123	24,753	20,351	-3%	19%
Buttock augmentation with fat grafting****	28,076	24,099	*	17%	*
Buttock implants****	970	946	*	3%	*
Buttock lift	4,453	4,824	1,356	-8%	228%
Calf augmentation****	599	655	*	-9%	*
Cheek implant (Malar augmentation)	14,395	14,369	10,427	0%	38%
Chin augmentation (Mentoplasty)	16,446	16,400	26,924	0%	-39%
Dermabrasion	77,366	80,697	42,218	-4%	83%
Ear surgery (Otoplasty)	22,968	22,884	36,295	0%	-37%
Eyelid surgery (Blepharoplasty)	211,005	206,529	327,514	2%	-36%
Facelift (Rhytidectomy)	123,685	121,531	133,856	2%	-8%
Forehead lift	37,246	38,795	120,971	-4%	-69%
Hair transplantation	24,348	23,658	44,694	3%	-46%
Labiaplasty****	11,218	10,246	*	9%	*
Lip augmentation (other than injectable materials)	31,789	30,859	18,589	3%	71%
Lip reduction****	1,170	1,069	*	9%	*
Liposuction	265,209	258,558	354,015	3%	-25%
Lower body lift	8,763	9,098	207	-4%	4133%
Neck lift	54,852	53,571	*	2%	*
Nose reshaping (Rhinoplasty)	207,284	213,780	389,155	-3%	-47%
Pectoral implants****	664	700	*	-5%	*
Thigh Lift	10,378	10,100	5,303	3%	96%
Tummy tuck (Abdominoplasty)	123,427	130,081	62,713	-5%	97%
Upper arm lift	18,313	17,338	338	6%	5318%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,811,754</b>	<b>1,811,740</b>	<b>1,901,049</b>	<b>0%</b>	<b>-5%</b>

All figures are projected.

\* Data unavailable in prior year.

85% of total 2019 breast implants were silicone, 15% were saline.

ASPS procedural statistics represent procedures performed by ASPS Member Surgeons certified by The American Board of Plastic Surgery® as well as other physicians certified by American Board of Medical Specialties-recognized boards. ©ASPS, 2020

Margin of error = +/- 4.12%



# Cosmetic Procedure Trends

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2019	2018	2000	% CHANGE 2019 vs. 2018	% CHANGE 2019 vs. 2000
Botulinum Toxin Type A (Botox®, Dysport®, Xeomin®)***	7,697,798	7,437,378	786,911	4%	878%
Cellulite treatment (Velosmooth®, Endermology)	35,554	37,220	23,952	-4%	48%
Chemical peel	1,387,607	1,384,327	1,149,457	0%	21%
Injection lipolysis (e.g., Kybella®)	65,825	63,993	*	3%	*
Intense Pulsed Light (IPL) treatment	685,755	675,552	*	2%	*
Laser hair removal	1,055,456	1,077,490	735,996	-2%	43%
Laser skin resurfacing	596,755	594,266	170,951	0%	249%
Ablative	160,893	160,733	*	0%	*
Non-ablative (Fraxe®, etc.)	435,862	433,533	*	1%	*
Laser tattoo removal†	166,019	166,436	*	0%	*
Laser treatment of leg veins	214,800	217,836	245,424	-1%	-12%
Microdermabrasion	681,190	709,413	868,315	-4%	-22%
Non-invasive fat reduction (Coolsculpting®, Liposonix®, Emsculpt®, Vanquish®, Zerona®)	386,557	376,962	*	3%	*
Non-surgical skin tightening (Pelleve®, Thermage®, Ulthera®)	334,351	335,290	*	0%	*
Sclerotherapy	319,895	323,234	866,555	-1%	-63%
Soft Tissue Fillers	2,721,469	2,691,555	*	1%	*
Acellular Dermal Matrix****	9,117	8,575	*	6%	*
Allograft Adipose Matrix†	14,547	14,585	*	0%	*
Calcium hydroxylapatite (Radiesse®)	221,307	227,234	*	-3%	*
Fat-face	47,123	45,360	*	4%	*
Hyaluronic acid (Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Belotero®)	2,160,578	2,128,923	*	1%	*
Platelet-Rich Plasma (PRP)	130,230	127,394	*	2%	*
Polylactic acid (Sculptra®)	120,689	121,920	*	-1%	*
Polymethyl-methacrylate microspheres (Bellafill)	17,878	17,564	*	2%	*
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>16,349,031</b>	<b>16,090,952</b>	<b>4,847,561</b>	<b>2%</b>	<b>237%</b>
<b>TOTAL COSMETIC PROCEDURES</b>	<b>18,160,785</b>	<b>17,902,692</b>	<b>6,748,610</b>	<b>1%</b>	<b>169%</b>

All figures are projected.

\* Data unavailable in prior year.

\*\*\*Botulinum Toxin Type A numbers are of anatomic sites injected.

\*\*\*\*Counts of procedures performed by ASPS member surgeons only.

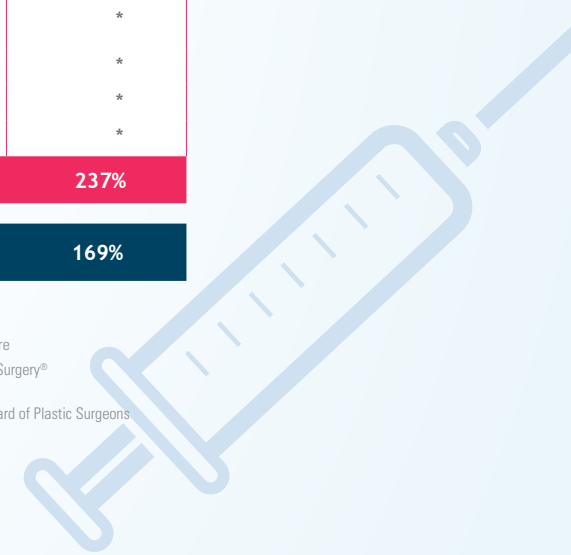
†New procedure added for 2019

Note that Collagen was excluded from the results due to an insufficient sample of responding physicians who perform this procedure

ASPS procedural statistics represent procedures performed by ASPS Member Surgeons certified by The American Board of Plastic Surgery® as well as other physicians certified by American Board of Medical Specialties-recognized boards. ©ASPS, 2020

ASPS Member Only Procedural Statistics represent procedures performed by ASPS member surgeons certified by The American Board of Plastic Surgeons

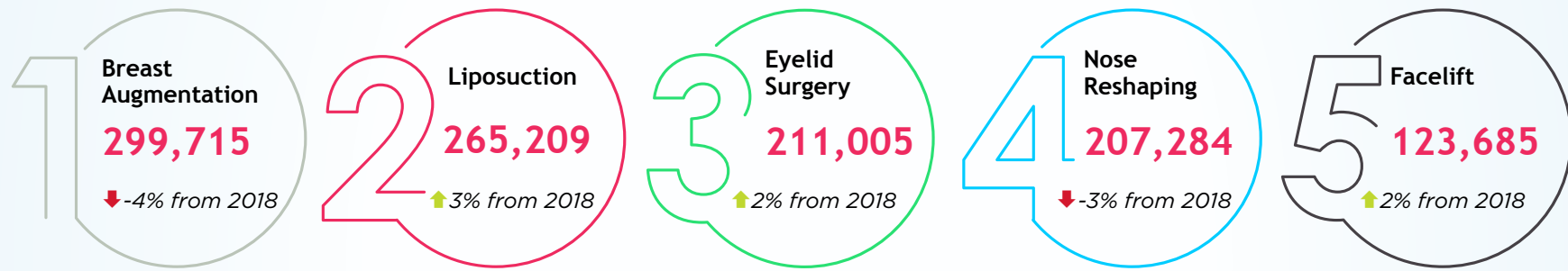
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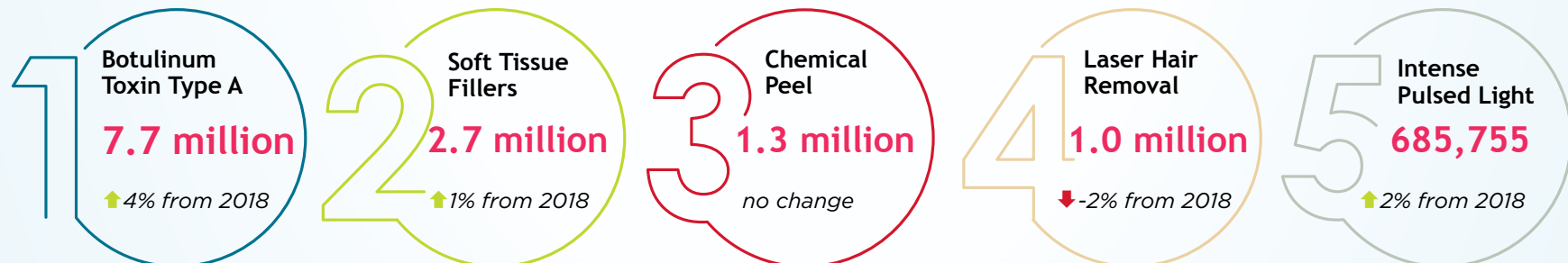


# Top 5 Cosmetic Plastic Surgery Procedures

## TOP FIVE COSMETIC SURGICAL PROCEDURES



## TOP FIVE COSMETIC MINIMALLY-INVASIVE PROCEDURES



# Reconstructive Procedure Trends

RECONSTRUCTIVE PROCEDURES	2019	2018	2000	% CHANGE 2019 vs. 2018	% CHANGE 2019 vs. 2000
Dog bite repair <sup>^</sup>	28,384	26,906	43,089	5%	-34%
Birth defect (congenital deformities)	34,330	32,870	40,076	4%	-14%
Breast implant removals (Reconstructive patients only) <sup>****</sup>	20,775	19,149	16,287	8%	28%
Breast reconstruction <sup>****</sup>	107,238	101,657	78,832	5%	36%
Breast reduction (reconstructive patients only)	61,269	57,535	*	6%	*
Burn care	19,239	17,682	*	9%	*
Hand surgery (excluding microsurgical)	141,139	138,345	*	2%	*
Head and neck reconstruction <sup>****</sup>	29,494	27,439	*	7%	*
Hernia repair <sup>****</sup>	12,180	11,173	*	9%	*
Laceration repair (other than facial) <sup>^^</sup>	249,171	253,447	358,666	-2%	-31%
Lower extremity reconstruction (including microsurgical) <sup>****</sup>	15,854	15,029	*	5%	*
Maxillofacial surgery <sup>^^^</sup>	207,862	204,521	79,331	2%	162%
Migraine peripheral trigger site surgery <sup>†</sup>	5,255	5,219		1%	
Pelvic floor reconstruction <sup>****</sup>	1,978	1,719	*	15%	*
Pressure ulcer <sup>†</sup>	72,621	72,622		0%	
Scar revision	181,132	182,250	221,858	-1%	-18%
Tumor removal (including skin cancer)	4,484,292	4,462,519	*	0%	*
Other reconstructive procedures	272,636	253,639	376,270	7%	-28%
<b>TOTAL RECONSTRUCTIVE PROCEDURES</b>	<b>5,944,849</b>	<b>5,883,721</b>	<b>*</b>	<b>1%</b>	<b>*</b>

## TOP FIVE RECONSTRUCTIVE PROCEDURES



All figures are projected.

\* Data unavailable in prior year.

\*\*\*\*Counts of procedures performed by ASPS member surgeons only.

†New procedure added for 2019

^In 2000 figure included all animal bites.

^^In 2000 figure included facial laceration repair.

^^^In 2019 and 2018 figure includes facial laceration repair.

ASPS Procedural Statistics represent procedures performed by ASPS member surgeons certified by The American Board of Plastic Surgery® as well as other physicians certified by American Board of Medical Specialties-recognized boards. © ASPS, 2020

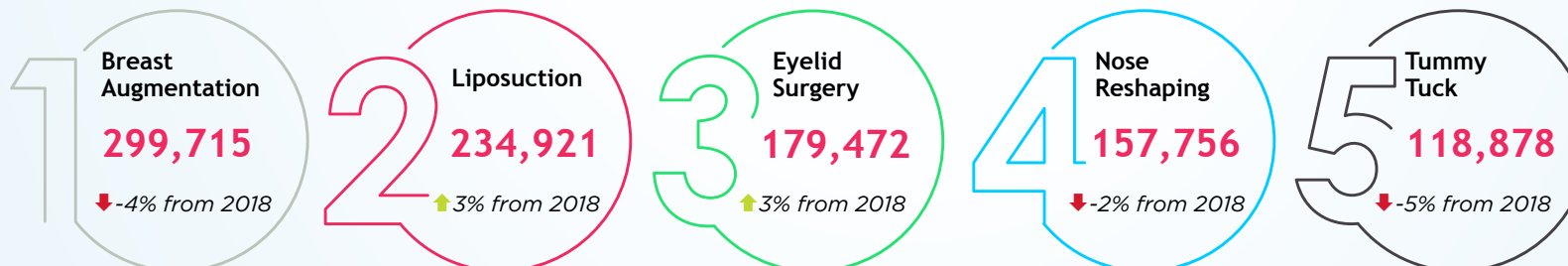
Margin of error = +/- 4.12%

# Cosmetic Surgery Gender Distribution

## FEMALE

COSMETIC SURGICAL PROCEDURES	2019 TOTAL PROCEDURES	2019 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2019 vs. 2018	% CHANGE 2019 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	299,715	299,715	100%	-4%	41%
Breast implant removals (Augmentation patients only)	33,764	33,764	100%	15%	-17%
Breast lift (Mastopexy)	113,188	113,188	100%	3%	114%
Breast reduction in men (Gynecomastia)	24,123	0	0%	-	-
Buttock implants	970	839	86%	3%	*
Buttock lift	4,453	4,115	92%	-8%	215%
Calf augmentation	599	254	42%	-9%	*
Cheek implant (Malar augmentation)	14,395	10,429	72%	-1%	19%
Chin augmentation (Mentoplasty)	16,446	7,041	43%	3%	-60%
Dermabrasion	77,366	67,212	87%	-4%	141%
Ear surgery (Otoplasty)	22,968	13,434	58%	1%	-30%
Eyelid surgery (Blepharoplasty)	211,005	179,472	85%	3%	-33%
Facelift (Rhytidectomy)	123,685	111,088	90%	1%	-6%
Forehead lift	37,246	32,866	88%	-4%	-70%
Hair transplantation	24,348	7,298	30%	7%	80%
Lip augmentation (other than injectable materials)	31,789	30,566	96%	3%	67%
Liposuction	265,209	234,921	89%	3%	-22%
Lower body lift	8,763	8,056	92%	-4%	*
Nose reshaping (Rhinoplasty)	207,284	157,756	76%	-2%	-34%
Pectoral implants	664	0	0%	-	-
Thigh Lift	10,378	9,879	95%	3%	94%
Tummy tuck (Abdominoplasty)	123,427	118,878	96%	-5%	97%
Upper arm lift	18,313	17,937	98%	6%	5207%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,670,098</b>	<b>1,458,708</b>	<b>87%</b>	<b>0%</b>	<b>-3%</b>

### TOP FIVE FEMALE COSMETIC SURGICAL PROCEDURES



All figures are projected.  
 \* Data unavailable in prior year.  
 \*\*85% of total 2019 breast implants were silicone; 15% were saline.  
 \*\*\*Botulinum Toxin Type A numbers are of anatomic sites injected.  
 †New procedure added for 2019

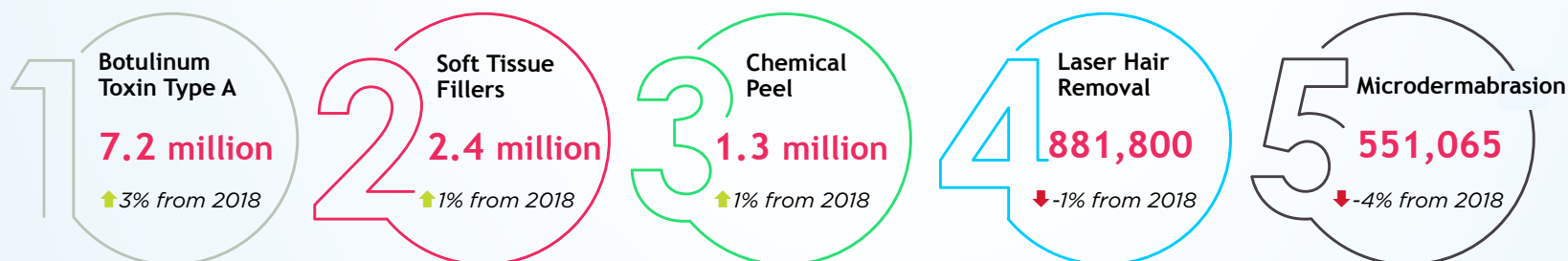
ASPS procedural statistics represent procedures performed by ASPS Member Surgeons certified by The American Board of Plastic Surgery® as well as other physicians certified by American Board of Medical Specialties-recognized boards.  
 ©ASPS, 2020

# Cosmetic Surgery Gender Distribution

## FEMALE

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2019 TOTAL PROCEDURES	2019 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2019 vs. 2018	% CHANGE 2019 vs. 2000
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	7,697,798	7,224,444	94%	3%	943%
Cellulite treatment (e.g., Velosmooth®, Endermology)	35,554	31,180	88%	-4%	30%
Chemical peel	1,387,607	1,288,798	93%	1%	36%
Laser hair removal	1,055,456	881,800	84%	-1%	46%
Laser skin resurfacing	596,755	520,854	87%	0%	249%
Laser treatment of leg veins	214,800	184,833	86%	-2%	-18%
Microdermabrasion	681,190	551,065	81%	-4%	-30%
Sclerotherapy	319,895	315,579	99%	-1%	-62%
Soft tissue fillers	2,549,697	2,449,914	96%	1%	306%
Calcium hydroxylapatite (e.g., Radiesse®)	221,307	205,431	93%	-3%	*
Fat-face	47,123	44,378	94%	4%	*
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,160,578	2,099,645	97%	2%	*
Polylactic acid (Sculptra®)	120,689	100,460	83%	-1%	*
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>14,538,752</b>	<b>13,448,467</b>	<b>93%</b>	<b>2%</b>	<b>176%</b>
<b>TOTAL COSMETIC PROCEDURES</b>	<b>16,208,850</b>	<b>14,907,175</b>	<b>92%</b>	<b>2%</b>	<b>134%</b>

### TOP FIVE FEMALE COSMETIC MINIMALLY-INVASIVE PROCEDURES



All figures are projected.  
\* Data unavailable in prior year.  
\*\*\*Botulinum Toxin Type A numbers are of anatomic sites injected.  
Note that Collagen was excluded from the results due to an insufficient sample of responding physicians who perform this procedure

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©ASPS, 2020

# Cosmetic Surgery Gender Distribution

## MALE

COSMETIC SURGICAL PROCEDURES	2019 TOTAL PROCEDURES	2019 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2019 vs. 2018	% CHANGE 2019 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	299,715	0	0%	-	-
Breast implant removals (Augmentation patients only)	33,764	0	0%	-	-
Breast lift (Mastopexy)	113,188	0	0%	-	-
Breast reduction in men (Gynecomastia)	24,123	24,123	100%	-3%	19%
Buttock implants	970	131	14%	1%	*
Buttock lift	4,453	338	8%	-9%	604%
Calf augmentation	599	345	58%	-8%	*
Cheek implant (Malar augmentation)	14,395	3,966	28%	2%	138%
Chin augmentation (Mentoplasty)	16,446	9,405	57%	-2%	3%
Dermabrasion	77,366	10,154	13%	-3%	-29%
Ear surgery (Otoplasty)	22,968	9,534	42%	-1%	-44%
Eyelid surgery (Blepharoplasty)	211,005	31,533	15%	0%	-45%
Facelift (Rhytidectomy)	123,685	12,597	10%	5%	-17%
Forehead lift	37,246	4,380	12%	-5%	-66%
Hair transplantation	24,348	17,050	70%	1%	-58%
Lip augmentation (other than injectable materials)	31,789	1,223	4%	-1%	427%
Liposuction	265,209	30,288	11%	3%	-42%
Lower body lift	8,763	707	8%	-5%	*
Nose reshaping (Rhinoplasty)	207,284	49,528	24%	-6%	-67%
Pectoral implants	664	664	100%	-	-
Thigh Lift	10,378	499	5%	3%	127%
Tummy tuck (Abdominoplasty)	123,427	4,549	4%	-7%	98%
Upper arm lift	18,313	376	2%	4%	*
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,670,098</b>	<b>211,390</b>	<b>13%</b>	<b>-2%</b>	<b>-46%</b>

### TOP FIVE MALE COSMETIC SURGICAL PROCEDURES



All figures are projected.  
\* Data unavailable in prior year.  
\*\*85% of total 2019 breast implants were silicone; 15% were saline.

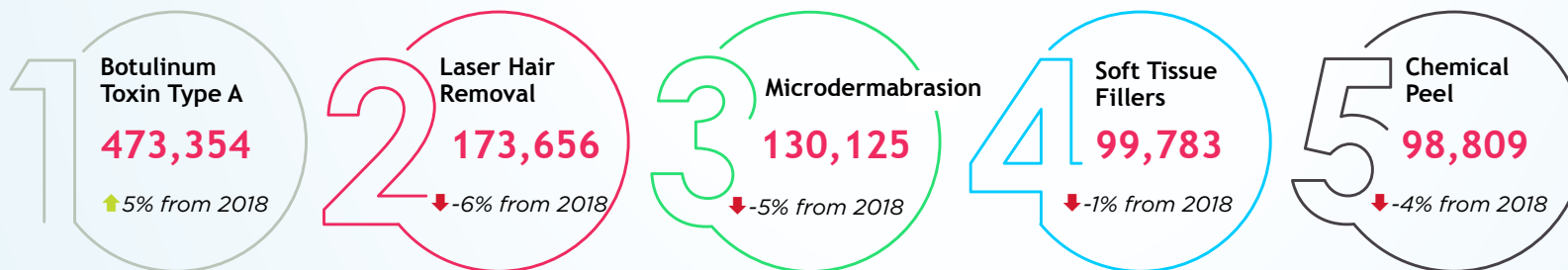
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# Cosmetic Surgery Gender Distribution

## MALE

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2019 TOTAL PROCEDURES	2019 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2019 vs. 2018	% CHANGE 2019 vs. 2000
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	7,697,798	473,354	6%	5%	403%
Cellulite treatment (e.g., Velosmooth®, Endermology)	35,554	4,374	12%	-7%	*
Chemical peel	1,387,607	98,809	7%	-4%	-51%
Laser hair removal	1,055,456	173,656	16%	-6%	30%
Laser skin resurfacing	596,755	75,901	13%	0%	252%
Laser treatment of leg veins	214,800	29,967	14%	2%	42%
Microdermabrasion	681,190	130,125	19%	-5%	51%
Sclerotherapy	319,895	4,316	1%	-5%	-84%
Soft tissue fillers	2,549,697	99,783	4%	-1%	99%
Calcium hydroxylapatite (e.g., Radiesse®)	221,307	15,876	7%	1%	*
Fat-face^^^	47,123	2,745	6%	2%	*
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,160,578	60,933	3%	-2%	*
Polylactic acid (Sculptra®)	120,689	20,229	17%	-1%	*
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>14,538,752</b>	<b>1,090,285</b>	<b>7%</b>	<b>0%</b>	<b>72%</b>
<b>TOTAL COSMETIC PROCEDURES</b>	<b>16,208,850</b>	<b>1,301,675</b>	<b>8%</b>	<b>0%</b>	<b>27%</b>

### TOP FIVE MALE COSMETIC MINIMALLY-INVASIVE PROCEDURES



All figures are projected.  
\* Data unavailable in prior year.  
\*\*\*Botulinum Toxin Type A numbers are of anatomic sites injected.  
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# Cosmetic Surgery Age Distribution

Age  
13-19

COSMETIC SURGICAL PROCEDURES	AGE 13-19 2019 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2019 vs 2018
Breast augmentation (augmentation mammoplasty)^	8,333	3%	-4%
Breast implant removals (augmentation patients only)^	119	0%	16%
Breast lift (mastopexy)	2,022	2%	2%
Breast reduction in men (gynecomastia)	6,169	26%	-3%
Chin augmentation (mentoplasty)	1,432	9%	1%
Dermabrasion	3,342	4%	-3%
Ear surgery (otoplasty)	6,479	28%	1%
Eyelid surgery (blepharoplasty)	2,032	1%	3%
Lip augmentation (other than injectable materials)	304	1%	2%
Liposuction	4,314	2%	4%
Nose reshaping (rhinoplasty)	29,634	14%	-2%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>64,180</b>	<b>4%</b>	<b>-1%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 13-19 2019 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2019 vs 2018
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	22,107	0%	2%
Chemical peel	7,224	1%	0%
Laser hair removal	67,317	6%	-3%
Laser skin resurfacing	28,711	5%	-1%
Laser treatment of leg veins	19,193	9%	-1%
Microdermabrasion	6,766	1%	-4%
Sclerotherapy	1,804	1%	0%
Soft Tissue Fillers	6,628	0%	0%
Calcium hydroxylapatite (e.g., Radiesse®)	753	0%	-2%
Fat-face	405	1%	3%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	3,847	0%	1%
Polylactic acid (Sculptra®)	1,623	1%	-2%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>159,750</b>	<b>1%</b>	<b>-1%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>223,930</b>	<b>1%</b>	<b>-1%</b>
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All values are projected.

^ Total represents only 18 and 19 year olds.

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# Cosmetic Surgery Age Distribution

Age  
20-29

COSMETIC SURGICAL PROCEDURES	AGE 20-29 2019 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2019 vs 2018
Breast augmentation (Augmentation mammoplasty)	85,492	29%	-5%
Breast implant removals (Augmentation patients only)	4,408	13%	15%
Breast lift (Mastopexy)	15,217	13%	2%
Breast reduction in men (Gynecomastia)	8,419	35%	-3%
Buttock implants	200	21%	4%
Buttock lift	574	13%	-7%
Calf augmentation	226	38%	-9%
Cheek implant (Malar augmentation)	1,370	10%	1%
Chin augmentation (Mentoplasty)	2,246	14%	-1%
Dermabrasion	5,147	7%	-5%
Ear surgery (Otoplasty)	6,845	30%	-2%
Eyelid surgery (Blepharoplasty)	3,651	2%	2%
Facelift (Rhytidectomy)	348	0%	1%
Forehead lift	205	1%	-5%
Hair transplantation	2,098	9%	2%
Lip augmentation (other than injectable materials)	1,536	5%	3%
Liposuction	40,993	15%	4%
Lower body lift	859	10%	-3%
Nose reshaping (Rhinoplasty)	64,944	31%	-2%
Pectoral implants	333	50%	-5%
Thigh Lift	652	6%	4%
Tummy tuck (Abdominoplasty)	11,673	9%	-5%
Upper arm lift	1,712	9%	6%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>259,148</b>	<b>16%</b>	<b>-2%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 20-29 2019 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2019 vs 2018
Botulinum toxin type A (Botox®, Dysport®, Xeomin)***	112,083	1%	2%
Cellulite treatment (e.g., Velosmooth®, Endermology)	7,685	22%	-5%
Chemical peel	16,490	1%	0%
Laser hair removal	230,697	22%	-1%
Laser skin resurfacing	33,514	6%	1%
Laser treatment of leg veins	27,868	13%	0%
Microdermabrasion	53,160	8%	-5%
Sclerotherapy	13,888	4%	-1%
Soft tissue fillers	69,976	3%	1%
Calcium hydroxylapatite (e.g., Radiesse®)	4,280	2%	-3%
Fat-face	2,291	5%	3%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	57,039	3%	1%
Poly lactic acid (Sculptra®)	6,366	5%	-1%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>565,361</b>	<b>4%</b>	<b>0%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>824,509</b>	<b>5%</b>	<b>-1%</b>
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# Cosmetic Surgery Age Distribution

Age  
30-39

COSMETIC SURGICAL PROCEDURES	AGE 30-39 2019 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2019 vs 2018
Breast augmentation (Augmentation mammoplasty)	111,858	37%	-4%
Breast implant removals (Augmentation patients only)	9,760	29%	15%
Breast lift (Mastopexy)	33,969	30%	3%
Breast reduction in men (Gynecomastia)	4,272	18%	-3%
Buttock implants	323	33%	3%
Buttock lift	1,228	28%	-7%
Calf augmentation	245	41%	-8%
Cheek implant (Malar augmentation)	3,058	21%	1%
Chin augmentation (Mentoplasty)	2,177	13%	1%
Dermabrasion	7,540	10%	-5%
Ear surgery (Otoplasty)	4,084	18%	1%
Eyelid surgery (Blepharoplasty)	13,341	6%	2%
Facelift (Rhytidectomy)	1,903	2%	1%
Forehead lift	1,556	4%	-3%
Hair transplantation	2,000	8%	4%
Lip augmentation (other than injectable materials)	4,165	13%	4%
Liposuction	92,105	35%	4%
Lower body lift	2,405	27%	-3%
Nose reshaping (Rhinoplasty)	48,448	23%	-4%
Pectoral implants	119	18%	-6%
Thigh Lift	2,975	29%	3%
Tummy tuck (Abdominoplasty)	43,602	35%	-5%
Upper arm lift	2,648	14%	5%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>393,781</b>	<b>24%</b>	<b>-1%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 30-39 2019 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2019 vs 2018
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	1,433,231	19%	5%
Cellulite treatment (e.g., Velosmooth®, Endermology)	18,989	53%	-5%
Chemical peel	178,975	13%	0%
Laser hair removal	308,405	29%	-2%
Laser skin resurfacing	50,875	9%	1%
Laser treatment of leg veins	64,621	30%	-1%
Microdermabrasion	155,891	23%	-4%
Sclerotherapy	66,972	21%	0%
Soft tissue fillers	281,875	11%	0%
Calcium hydroxylapatite (e.g., Radiesse®)	18,177	8%	-3%
Fat-face	6,031	13%	3%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	244,373	11%	0%
Polylactic acid (Sculptra®)	13,294	11%	-2%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>2,559,834</b>	<b>18%</b>	<b>2%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>2,953,615</b>	<b>18%</b>	<b>2%</b>
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# Cosmetic Surgery Age Distribution

Age  
40-54

COSMETIC SURGICAL PROCEDURES	AGE 40-54 2019 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2019 vs 2018
Breast augmentation (Augmentation mammoplasty)	86,555	29%	-4%
Breast implant removals (Augmentation patients only)	14,074	42%	15%
Breast lift (Mastopexy)	44,203	39%	4%
Breast reduction in men (Gynecomastia)	3,206	13%	-3%
Buttock implants	377	39%	2%
Buttock lift	1,864	42%	-9%
Calf augmentation	90	15%	-9%
Cheek implant (Malar augmentation)	6,232	43%	-1%
Chin augmentation (Mentoplasty)	4,226	26%	1%
Dermaabrasion	29,602	38%	-4%
Ear surgery (Otoplasty)	3,388	15%	1%
Eyelid surgery (Blepharoplasty)	90,757	43%	1%
Facelift (Rhytidectomy)	39,559	32%	1%
Forehead lift	14,967	40%	-5%
Hair transplantation	5,088	21%	2%
Lip augmentation (other than injectable materials)	11,309	36%	3%
Liposuction	100,884	38%	1%
Lower body lift	3,738	43%	-5%
Nose reshaping (Rhinoplasty)	43,765	21%	-3%
Pectoral implants	130	20%	-5%
Thigh Lift	4,914	47%	3%
Tummy tuck (Abdominoplasty)	51,585	42%	-5%
Upper arm lift	7,694	42%	5%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>568,207</b>	<b>34%</b>	<b>-1%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 40-54 2019 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2019 vs 2018
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	4,363,758	57%	3%
Cellulite treatment (e.g., Velosmooth®, Endermology)	8,865	25%	-4%
Chemical peel	572,745	41%	-1%
Laser hair removal	380,711	36%	-2%
Laser skin resurfacing	250,072	42%	1%
Laser treatment of leg veins	66,240	31%	-2%
Microdermaabrasion	303,919	45%	-3%
Sclerotherapy	154,054	48%	-1%
Soft tissue fillers	1,247,877	49%	1%
Calcium hydroxylapatite (e.g., Radiesse®)	86,960	39%	-3%
Fat-face	16,169	34%	5%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	1,075,433	50%	1%
Polylactic acid (Sculptra®)	69,315	57%	0%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>7,348,241</b>	<b>51%</b>	<b>2%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>7,916,448</b>	<b>49%</b>	<b>1%</b>
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# Cosmetic Surgery Age Distribution

55  
and  
over

COSMETIC SURGICAL PROCEDURES	AGE 55 AND OVER 2019 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2019 vs 2018
Breast augmentation (Augmentation mammoplasty)	7,477	2%	-4%
Breast implant removals (Augmentation patients only)	5,403	16%	17%
Breast lift (Mastopexy)	17,777	16%	3%
Breast reduction in men (Gynecomastia)	2,057	9%	-3%
Buttock implants	70	7%	1%
Buttock lift	787	18%	-7%
Calf augmentation	38	6%	-10%
Cheek implant (Malar augmentation)	3,735	26%	0%
Chin augmentation (Mentoplasty)	6,365	39%	-1%
Dermabrasion	31,735	41%	-4%
Ear surgery (Otoplasty)	2,172	9%	0%
Eyelid surgery (Blepharoplasty)	101,224	48%	3%
Facelift (Rhytidectomy)	81,875	66%	2%
Forehead lift	20,518	55%	-3%
Hair transplantation	15,162	62%	3%
Lip augmentation (other than injectable materials)	14,475	46%	3%
Liposuction	26,913	10%	3%
Lower body lift	1,761	20%	-3%
Nose reshaping (Rhinoplasty)	20,493	10%	-4%
Pectoral implants	82	12%	-5%
Thigh Lift	1,837	18%	2%
Tummy tuck (Abdominoplasty)	16,567	13%	-6%
Upper arm lift	6,259	34%	7%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>384,782</b>	<b>23%</b>	<b>1%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 55 AND OVER 2019 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2019 vs 2018
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	1,766,619	23%	4%
Cellulite treatment (e.g., Velosmooth®, Endermology)	15	0%	-6%
Chemical peel	612,173	44%	1%
Laser hair removal	68,326	6%	-2%
Laser skin resurfacing	233,583	39%	-1%
Laser treatment of leg veins	36,878	17%	0%
Microdermabrasion	161,454	24%	-5%
Sclerotherapy	83,177	26%	-2%
Soft tissue fillers	943,341	37%	2%
Calcium hydroxylapatite (e.g., Radiesse®)	111,137	50%	-3%
Fat-face	22,227	47%	4%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	779,886	36%	3%
Polyactic acid (Sculptra®)	30,091	25%	-2%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>3,905,566</b>	<b>27%</b>	<b>2%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>4,290,348</b>	<b>26%</b>	<b>2%</b>
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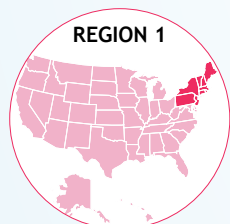
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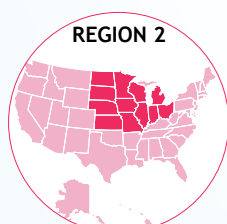
# Regional Distribution

COSMETIC SURGICAL PROCEDURES	TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5
Breast augmentation (Augmentation mammoplasty)	299,715	45,096 15%	50,619 17%	48,844 16%	48,139 16%	107,017 36%
Breast implant removals (Augmentation patients only)	33,764	6,909 20%	5,701 17%	7,010 21%	7,101 21%	7,043 21%
Breast lift (Mastopexy)	113,188	14,791 13%	16,509 15%	23,369 21%	23,186 20%	35,333 31%
Breast reduction (Aesthetic patients only)****	46,340	7,405 16%	13,263 29%	6,836 15%	9,543 21%	9,293 20%
Breast reduction in men (Gynecomastia)	24,123	7,991 33%	4,249 18%	3,902 16%	2,833 12%	5,148 21%
Buttock augmentation with fat grafting***	28,076	6,292 22%	7,897 28%	5,732 20%	4,730 17%	3,425 12%
Buttock implants****	970	152 16%	130 13%	271 28%	225 23%	192 20%
Buttock lift	4,453	1,085 24%	1,473 33%	780 18%	619 14%	496 11%
Calf augmentation****	599	175 29%	61 10%	162 27%	71 12%	130 22%
Cheek implant (Malar augmentation)	14,395	2,592 18%	1,329 9%	2,763 19%	6,397 44%	1,314 9%
Chin augmentation (Mentoplasty)	16,446	3,796 23%	2,433 15%	2,414 15%	1,813 11%	5,990 36%
Dermabrasion	77,366	9,299 12%	23,553 30%	16,999 22%	8,747 11%	18,768 24%
Ear surgery (Otoplasty)	22,968	4,413 19%	4,455 19%	3,442 15%	3,617 16%	7,041 31%
Eyelid surgery (Blepharoplasty)	211,005	38,423 18%	28,779 14%	47,119 22%	25,381 12%	71,303 34%
Facelift (Rhytidectomy)	123,685	24,733 20%	14,331 12%	28,683 23%	17,584 14%	38,354 31%
Forehead lift	37,246	5,959 16%	5,174 14%	6,418 17%	7,078 19%	12,617 34%
Hair transplantation	24,348	2,341 10%	2,366 10%	2,912 12%	11,334 47%	5,395 22%
Labiaplasty****	11,218	2,233 20%	1,830 16%	2,602 23%	1,449 13%	3,104 28%
Lip augmentation (other than injectable materials)	31,789	8,424 26%	5,419 17%	5,351 17%	6,331 20%	6,264 20%
Lip reduction****	1,170	209 18%	403 34%	228 19%	171 15%	159 14%
Liposuction	265,209	46,185 17%	34,132 13%	59,214 22%	41,519 16%	84,159 32%
Lower body lift	8,763	2,628 30%	1,352 15%	944 11%	1,843 21%	1,996 23%
Neck lift	54,852	10,772 20%	6,620 12%	11,492 21%	8,583 16%	17,385 32%
Nose reshaping (Rhinoplasty)	207,284	59,558 29%	28,583 14%	25,581 12%	38,217 18%	55,345 27%
Pectoral implants****	664	104 16%	69 10%	188 28%	122 18%	181 27%
Thigh Lift	10,378	2,500 24%	1,604 15%	1,438 14%	2,010 19%	2,826 27%
Tummy tuck (Abdominoplasty)	123,427	24,173 20%	22,580 18%	20,694 17%	20,161 16%	35,819 29%
Upper arm lift	18,313	5,333 29%	2,513 14%	3,849 21%	2,538 14%	4,080 22%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,811,754</b>	<b>343,571 19%</b>	<b>287,427 16%</b>	<b>339,237 19%</b>	<b>301,342 17%</b>	<b>540,177 30%</b>

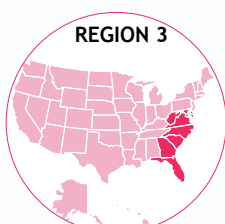
## 2019 Plastic Surgery Statistics Report



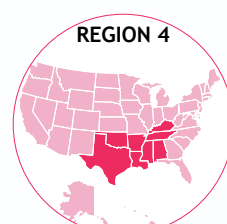
**REGION 1**  
New England  
(CT, ME, MA, NH, RI, VT)  
Middle Atlantic  
(NJ, NY, PA)



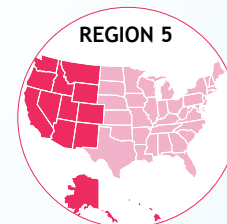
**REGION 2**  
East North Central  
(IL, IN, MI, OH, WI)  
West North Central  
(IA, KS, MN, MO, NE, ND, SD)



**REGION 3**  
South Atlantic  
(DE, DC, FL, GA, MD, NC, SC, VA, WV)



**REGION 4**  
East South Central  
(AL, KY, MS, TN)  
West South Central  
(AR, LA, OK, TX)



**REGION 5**  
Mountain  
(AZ, CO, ID, MT, NV, NM, UT, WY)  
Pacific  
(AK, CA, HI, OR, WA)

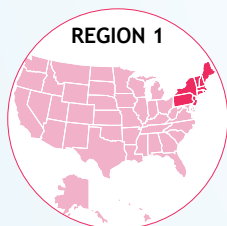
All values are projected.  
\*\*\*Botulinum Toxin Type A numbers are of anatomic sites injected.  
\*\*\*\*Counts of procedures performed by ASPS member surgeons only.

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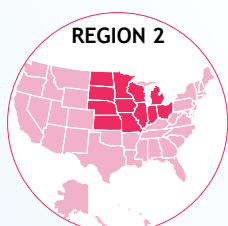
COSMETIC MINIMALLY-INVASIVE PROCEDURES		TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5				
Botulinum Toxin Type A (Botox®, Dyspor®, Xeomin®)***	7,697,798	1,548,170	20%	1,014,745	13%	1,836,960	24%	1,103,929	14%	2,193,994	29%
Cellulite treatment (Velosmooth®, Endermology)	35,554	7,992	22%	7,869	22%	7,028	20%	3,967	11%	8,698	24%
Chemical peel	1,387,607	338,228	24%	210,047	15%	271,929	20%	125,018	9%	442,385	32%
Injection lipolysis (e.g., Kybella®)	65,825	12,060	18%	12,983	20%	13,699	21%	8,707	13%	18,376	28%
Intense Pulsed Light (IPL) treatment	685,755	185,050	27%	102,583	15%	120,352	18%	60,907	9%	216,863	32%
Laser hair removal	1,055,456	186,714	18%	139,300	13%	232,804	22%	161,915	15%	334,723	32%
Laser skin resurfacing	596,755	119,939	20%	129,721	22%	93,802	16%	58,568	10%	194,725	33%
Laser tattoo removal†	166,019	29,079		21,692		36,619		25,983		52,646	
Laser treatment of leg veins	214,800	52,249	24%	22,693	11%	35,170	16%	23,750	11%	80,938	38%
Microdermabrasion	681,190	170,788	25%	133,288	20%	139,939	21%	78,219	11%	158,956	23%
Non-invasive fat reduction (Coolsculpting®, Liposonix®, Emsculpt®, Vanquish®, Zeronax®)	386,557	79,435	21%	51,509	13%	86,930	22%	53,495	14%	115,188	30%
Non-surgical skin tightening (Pelleve®, Thermage®, Ulthera®)	334,351	66,606	20%	46,960	14%	76,190	23%	45,123	13%	99,472	30%
Sclerotherapy	319,895	49,638	16%	37,859	12%	68,690	21%	116,411	36%	47,297	15%
Soft Tissue Fillers	2,721,469	792,049	29%	348,998	13%	519,122	19%	279,621	10%	781,679	29%
Acellular Dermal Matrix****	9,117	1,641	18%	1,877	21%	1,926	21%	1,168	13%	2,505	27%
Allograft Adipose Matrix†	14,547	2,554		2,784		3,408		1,133		4,668	
Calcium hydroxylapatite (Radiesse®)	221,307	77,854	35%	31,934	14%	42,000	19%	32,447	15%	37,072	17%
Fat-face	47,123	8,189	17%	8,929	19%	11,039	23%	3,671	8%	15,295	32%
Hyaluronic acid (Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Belotero®)	2,160,578	657,089	30%	258,551	12%	406,027	19%	178,273	8%	660,638	31%
Platelet-Rich Plasma (PRP)	130,230	27,336	21%	16,836	13%	30,038	23%	19,258	15%	36,762	28%
Poly-lactic acid (Sculptra)	120,689	14,349	12%	27,113	22%	18,501	15%	42,496	35%	18,230	15%
Polymethyl-methacrylate microspheres (Bellafill)	17,878	3,037	17%	974	5%	6,183	35%	1,175	7%	6,509	36%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>16,349,031</b>	<b>3,637,997</b>	<b>22%</b>	<b>2,280,247</b>	<b>14%</b>	<b>3,539,234</b>	<b>22%</b>	<b>2,145,613</b>	<b>13%</b>	<b>4,745,940</b>	<b>29%</b>
<b>TOTAL COSMETIC PROCEDURES</b>	<b>18,160,785</b>	<b>3,981,568</b>	<b>22%</b>	<b>2,567,674</b>	<b>14%</b>	<b>3,878,471</b>	<b>21%</b>	<b>2,446,955</b>	<b>13%</b>	<b>5,286,117</b>	<b>29%</b>

RECONSTRUCTIVE PROCEDURES		TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5				
Breast reconstruction	107,238	21,513	20%	18,112	17%	22,708	21%	22,556	21%	22,349	21%

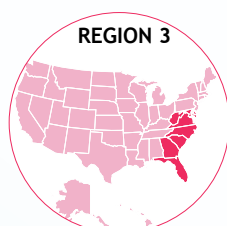
## 2019 Plastic Surgery Statistics Report



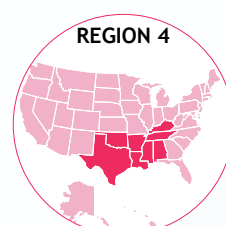
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Middle Atlantic  
(NJ, NY, PA)



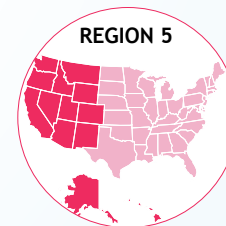
**REGION 2**  
East North Central  
(IL, IN, MI, OH, WI)  
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**REGION 3**  
South Atlantic  
(DE, DC, FL, GA, MD, NC, SC, VA, WV)



**REGION 4**  
East South Central  
(AL, KY, MS, TN)  
West South Central  
(AR, LA, OK, TX)



**REGION 5**  
Mountain  
(AZ, CO, ID, MT, NV, NM, UT, WY)  
Pacific  
(AK, CA, HI, OR, WA)

All values are projected.  
\*\*\*Botulinum Toxin Type A numbers are of anatomic sites injected.  
\*\*\*\*Counts of procedures performed by ASPS member surgeons only.  
†New procedure added for 2019  
Note that Collagen was excluded from the results due to an insufficient sample of responding physicians who perform this procedure

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# Average Surgeon/Physician Fees

COSMETIC SURGICAL PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Breast augmentation (Augmentation mammoplasty)	\$3,947	\$1,183,107,998
Breast implant removals (Augmentation patients only)	\$2,641	\$89,180,602
Breast lift (Mastopexy)	\$4,693	\$531,136,658
Breast reduction (Aesthetic patients only)	\$5,475	\$253,720,712
Breast reduction in men (Gynecomastia)	\$4,123	\$99,462,538
Buttock augmentation with fat grafting	\$4,277	\$120,070,066
Buttock implants	\$5,004	\$4,853,880
Buttock lift	\$4,960	\$22,084,654
Calf augmentation	\$3,677	\$2,202,523
Cheek implant (Malar augmentation)	\$2,986	\$42,981,414
Chin augmentation (Mentoplasty)	\$2,449	\$40,275,938
Dermabrasion	\$1,296	\$100,230,629
Ear surgery (Otoplasty)	\$3,220	\$73,964,999
Eyelid surgery (Blepharoplasty)	\$3,282	\$692,584,482
Facelift (Rhytidectomy)	\$7,467	\$923,527,947
Forehead lift	\$3,490	\$129,987,863
Hair transplantation	*	*
Labiaplasty	\$2,894	\$32,462,770
Lip augmentation (other than injectable materials)	\$1,830	\$58,157,976
Lip reduction	\$2,098	\$2,454,660
Liposuction	\$3,548	\$941,083,188
Lower body lift	\$8,073	\$70,740,569
Neck lift	\$5,110	\$280,312,004
Nose reshaping (Rhinoplasty)	\$5,409	\$1,121,214,773
Pectoral implants	\$4,244	\$2,818,182
Thigh Lift	\$5,171	\$53,665,275
Tummy tuck (Abdominoplasty)	\$6,092	\$751,955,728
Upper arm lift	\$4,550	\$83,322,426

COSMETIC MINIMALLY-INVASIVE PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Botulinum Toxin Type A (Botox, Dysport)	\$408	\$3,143,028,825
Cellulite treatment (Velosmooth, Endermology)	*	*
Chemical peel	\$644	\$893,090,296
Injection lipolysis (e.g., Kybella)	\$1,027	\$67,598,161
Intense Pulsed Light (IPL) treatment	\$406	\$278,736,549
Laser hair removal	\$287	\$303,074,190
Laser skin resurfacing	*	*
Ablative	\$1,963	\$315,832,959
Non-ablative (Fraxel, etc.)	\$1,201	\$523,446,047
Laser tattoo removal†	\$471	\$78,194,949
Laser treatment of leg veins	\$443	\$95,156,400
Microdermabrasion	\$136	\$92,319,171
Non-invasive fat reduction (Coolsculpting, Liposonix, Emsculpt, Vanquish, Zerona)	\$1,376	\$532,025,427
Non-surgical skin tightening (Pelleve, Thermage, Ulthera)	\$2,134	\$713,661,761
Sclerotherapy	\$343	\$109,644,011
Soft Tissue Fillers	*	*
Acellular Dermal Matrix	\$2,169	\$19,770,215
Allograft Adipose Matrix†	*	*
Calcium hydroxylapatite (Radiesse)	\$690	\$152,623,302
Fat-face^^^	\$2,163	\$101,917,299
Hyaluronic acid (Juvederm Ultra, Juvederm Ultra Plus, Perlane, Restylane, Belotero)	\$652	\$1,408,196,234
Platelet-Rich Plasma (PRP)	\$653	\$84,975,075
Polyactic acid (Sculptra)	\$878	\$105,986,240
Polymethyl-methacrylate microspheres (Artefill)	\$855	\$15,285,690

**Total 2019 Expenditures** **\$16,742,123,255**



All values are projected.  
Fees generally vary according to region of country and patient needs.  
These fees are averages only. Fees do not include anesthesia, operating room facilities or other related expenses.

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Reconstructive Procedures Performed In*	2019	% 2019	2018	% 2018	% CHANGE 2019 vs. 2018
Office	844,016	14%	827,297	14%	2%
Hospital	3,592,576	60%	3,518,997	61%	2%
Free-standing Ambulatory Surgical Facility	1,508,257	25%	1,459,586	25%	3%

## Reconstructive Breast Procedures (with age distribution)

RECONSTRUCTIVE BREAST PROCEDURES	TOTAL PROCEDURES	13-19	20-29	30-39	40-54	55 AND OVER
Breast reconstruction*	107,238	537	2,663	12,427	53,846	37,765
Saline implants	4,984	-	-	-	-	-
Silicone implants	83,021	-	-	-	-	-
Implant alone	15,699	-	-	-	-	-
Tissue expander and implant	72,306	-	-	-	-	-
Pedicle TRAM	1,699	-	-	-	-	-
Free TRAM	2,046	-	-	-	-	-
DIEP Flap	10,338	-	-	-	-	-
Latissimus Dorsi flap	4,188	-	-	-	-	-
Other flap	962	-	-	-	-	-
Timing - Immediate	79,475	-	-	-	-	-
Timing - Delayed	27,763	-	-	-	-	-
Unilateral	35,972	-	-	-	-	-
Bilateral	71,266	-	-	-	-	-
Acellular dermal matrix	65,971	-	-	-	-	-
Fat grafts	*	-	-	-	-	-
Breast reduction (reconstructive patients only)	60,996	-	-	-	-	-
Breast implant removals (Reconstructive patients only)	20,775	150	1,188	3,809	9,927	5,701

Reconstructive surgical procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast reconstruction	71%	13%	3%	11%	1%
Burn care	72%	13%	4%	10%	2%
Cleft Lip & Palate Repair	46%	3%	11%	26%	14%
Tumor removal	75%	8%	6%	9%	4%
Treatment of dog bites	72%	11%	2%	12%	2%



All values are projected.  
 \* 94% of total breast implants were silicone; 6% were saline.  
 \* Due to a methodologic change, projection is not comparable to prior years

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# Cosmetic Demographics



## Patient behavior

Cosmetic surgery patients who are repeat patients <b>38%</b>	Cosmetic non-surgery patients who are repeat patients <b>58%</b>	Cosmetic surgery patients having multiple cosmetic procedures at the same time <b>45%</b>	Cosmetic non-surgery patients having multiple cosmetic procedures at the same time <b>38%</b>
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## Cosmetic Procedures Performed In\*

	2019	% 2019	2018	% 2018	% CHANGE 2019 vs. 2018
Office	6,292,694	35%	6,055,495	34%	4%
Hospital	4,553,896	25%	4,488,550	25%	1%
Free-standing Ambulatory Surgical Facility	7,332,738	40%	7,177,626	41%	2%



## Ethnicity breakdown of cosmetic procedures

	2019	% 2019	2018	% 2018	% CHANGE 2019 vs. 2018
Caucasian	12,744,719	70%	12,475,361	70%	2%
Hispanic	1,990,852	11%	1,941,222	11%	3%
African-American	1,680,927	9%	1,617,300	9%	4%
Asian-American	1,196,209	7%	1,166,980	7%	3%
Other	566,621	3%	520,808	3%	9%



## Cosmetic surgical procedures by group

	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast Augmentation	73%	8%	5%	11%	3%
Rhinoplasty	73%	7%	5%	11%	4%
Blepharoplasty	80%	4%	7%	7%	2%
Liposuction	75%	9%	4%	11%	2%
Abdominoplasty	66%	12%	5%	13%	3%



## Cosmetic minimally-invasive procedures by group

	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)	78%	5%	5%	10%	1%
Soft tissue fillers	80%	7%	4%	8%	1%
Chemical peel	82%	4%	4%	7%	2%
Laser hair removal	75%	7%	5%	8%	3%
Microdermabrasion	76%	6%	4%	10%	5%

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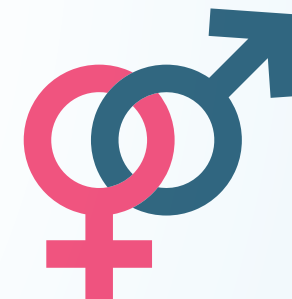
## 2019 Body Contouring After Massive Weight Loss

BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES	2019	2018	% CHANGE 2019 vs. 2018
Breast lift (Mastopexy) after massive weight loss	13,903	15,360	-9%
Lower body lift after massive weight loss	6,625	6,463	3%
Thigh lift after massive weight loss	4,148	4,034	3%
Tummy tuck (Abdominoplasty) after massive weight loss	21,188	23,206	-9%
Upper arm lift after massive weight loss	7,590	6,955	9%
<b>TOTAL BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES</b>	<b>53,454</b>	<b>56,018</b>	<b>-5%</b>



## 2019 Gender Confirmation Surgery

GENDER CONFIRMATION SURGERIES	2019	2018	% CHANGE 2019 vs. 2018
Male to Female patients	3,359	2,885	16%
Female to Male patients	7,626	6,691	14%
<b>TOTAL BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES</b>	<b>10,985</b>	<b>9,576</b>	<b>15%</b>



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