

2018

PLASTIC SURGERY STATISTICS REPORT



AMERICAN SOCIETY OF
PLASTIC SURGEONS®

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 – 1992-2015. ASPS is the largest organization of board-certified plastic surgeons in the world. With more than 7,000 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 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

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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 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 24,500 ABMS board-certified physicians (An online and faxed version of the questionnaire were made available. A total of 553 active physicians returned questionnaires. Overall, 724 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 SurgeonsSM (TOPSSM).

All responses are aggregated and extrapolated to the entire population of more than 24,500 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 ± 4.12 percent margin of error.



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2018 Quick Facts

Cosmetic and Reconstructive Plastic Surgery Trends

Percentage change 2018 vs. 2017

- 17.7 million cosmetic procedures** ↑ 2%
- **1.8 million cosmetic surgical procedures** ↑ 1%
- **15.9 million cosmetic minimally-invasive procedures** ↑ 2%
- 5.8 million reconstructive procedures** ↑ no change

2018 Top 5 Cosmetic Surgical Procedures

	2018 vs. 2017
Breast augmentation (313,000)	↑ 4%
Liposuction (258,000)	↑ 5%
Nose Reshaping (213,000)	↓ 2%
Eyelid surgery (206,000)	↓ 1%
Tummy Tuck (130,000)	no change

Breast augmentation continues to be the top cosmetic surgical procedure and has been since 2006. Silicone implants were used in 88%, and saline implants in 12%, of all breast augmentations in 2018.

Cosmetic surgical procedures, not among the Top 5, with notable gains in 2018 include:

- Buttock augmentation w/ fat grafting – up 10%
- Hair Transplantation – up 19%

2018 Top 5 Cosmetic Minimally-Invasive Procedures

	2018 vs. 2017
Botulinum toxin type A (7.4 million)	↑ 3%
Soft tissue fillers (2.6 million)	↑ 2%
Chemical peel (1.38 million)	↑ 1%
Laser hair removal (1.0 million)	↓ 1%
Microdermabrasion (709,000)	↓ 4%

Facial rejuvenation procedures continue to experience growth, as 2018 marked the highest number of botulinum toxin type A injections to date, with over 7.4 million injections!

2017 Top 5 Reconstructive Procedures

	2018 vs. 2017
Tumor removal (4.5 million)	no change
Laceration repair (253,000)	no change
Maxillofacial surgery (204,000)	no change
Scar revision (182,000)	no change
Hand surgery (138,000)	no change

Tumor removal is overwhelming the top reconstructive procedure performed every year with approximately 4.5 million procedures in 2018!

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2018 Quick Facts

Cosmetic Plastic Surgery Demographic Trends

Age

13-19 year olds 2018 vs. 2017

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.

227,000 total cosmetic procedures	↓ 1%
65,000 surgical	↓ 1%
162,000 minimally-invasive	no change

20-29 year olds 2018 vs. 2017

831,000 total cosmetic procedures	↑ 1%
264,000 surgical	↑ 1%
567,000 minimally-invasive	↑ 1%

30-39 year olds 2018 vs. 2017

2.9 million total cosmetic procedures	↑ 2%
397,000 surgical	↑ 3%
2.5 million minimally-invasive	↑ 2%

40-54 year olds 2018 vs. 2017

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

7.8 million total cosmetic procedures	↑ 1%
571,000 surgical	↑ 1%
7.2 million minimally-invasive	↑ 1%

55 and over 2018 vs. 2017

4.2 million total cosmetic procedures	↑ 2%
381,000 surgical	↓ 1%
3.8 million minimally-invasive	↑ 2%

Gender

Female 2018 vs. 2017

92% of all cosmetic procedures	
14.7 million total cosmetic procedures	↑ 2%
• 1.5 million surgical	↑ 1%
• 13.3 million minimally-invasive	↑ 2%

Male 2018 vs. 2017

8% of all cosmetic procedures	
1.3 million total cosmetic procedures	↓ 1%
• 215,000 surgical	no change
• 1.1 million minimally-invasive	↓ 2%

Ethnic

2018 vs. 2017

Caucasians (12.4 million)	↑ 1%
Hispanics (1.9 million)	↑ 2%
African Americans (1.6 million)	↑ 1%
Asian Americans (1.2 million)	↑ 1%

Did you know...

- \$16.5 billion was spent on cosmetic procedures in the U.S.
- Region with the most cosmetic procedures performed in the U.S. is Mountain/Pacific – 5.2 million procedures
- Patients having multiple procedures at the same time are up 2%

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**88% of total 2017 breast implants were silicone;
12% were saline.

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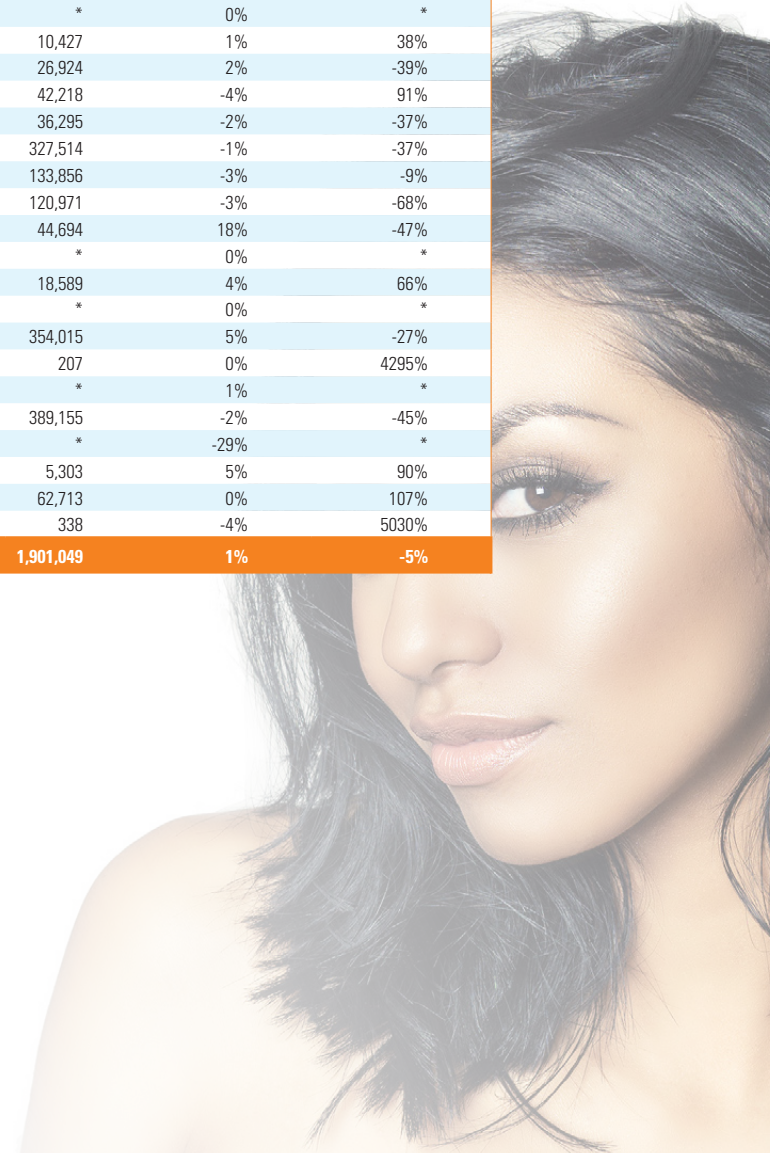
Margin of error = +/- 4.12%

2018 Cosmetic Plastic Surgery Statistics

Cosmetic Procedure Trends

Top 5 procedures appear in bold.

COSMETIC SURGICAL PROCEDURES	2018	2017	2000	% CHANGE 2018 vs. 2017	% CHANGE 2018 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	313,735	300,378	212,500	4%	48%
Breast implant removals (Augmentation patients only)	29,236	27,507	40,787	6%	-28%
Breast lift (Mastopexy)	109,638	105,219	52,836	4%	108%
Breast reduction (Aesthetic patients only)****	43,591	43,635	*	0%	*
Breast reduction in men (Gynecomastia)	24,753	26,839	20,351	-8%	22%
Buttock augmentation with fat grafting****	24,099	20,301	*	19%	*
Buttock implants****	946	1,323	*	-28%	*
Buttock lift	4,824	4,804	1,356	0%	256%
Calf augmentation****	655	658	*	0%	*
Cheek implant (Malar augmentation)	14,369	14,277	10,427	1%	38%
Chin augmentation (Mentoplasty)	16,400	16,136	26,924	2%	-39%
Dermabrasion	80,697	84,276	42,218	-4%	91%
Ear surgery (Otoplasty)	22,884	23,433	36,295	-2%	-37%
Eyelid surgery (Blepharoplasty)	206,529	209,571	327,514	-1%	-37%
Facelift (Rhytidectomy)	121,531	125,697	133,856	-3%	-9%
Forehead lift	38,795	39,886	120,971	-3%	-68%
Hair transplantation	23,658	19,979	44,694	18%	-47%
Labiaplasty****	10,246	10,253	*	0%	*
Lip augmentation (other than injectable materials)	30,859	29,797	18,589	4%	66%
Lip reduction****	1,069	1,065	*	0%	*
Liposuction	258,558	246,354	354,015	5%	-27%
Lower body lift	9,098	9,075	207	0%	4295%
Neck lift	53,571	53,028	*	1%	*
Nose reshaping (Rhinoplasty)	213,780	218,924	389,155	-2%	-45%
Pectoral implants****	700	983	*	-29%	*
Thigh Lift	10,100	9,648	5,303	5%	90%
Tummy tuck (Abdominoplasty)	130,081	129,753	62,713	0%	107%
Upper arm lift	17,338	18,033	338	-4%	5030%
TOTAL COSMETIC SURGICAL PROCEDURES	1,811,740	1,790,832	1,901,049	1%	-5%



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

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

^^^In 2017 figure is restated to include fat fillers performed only to the face

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, 2019

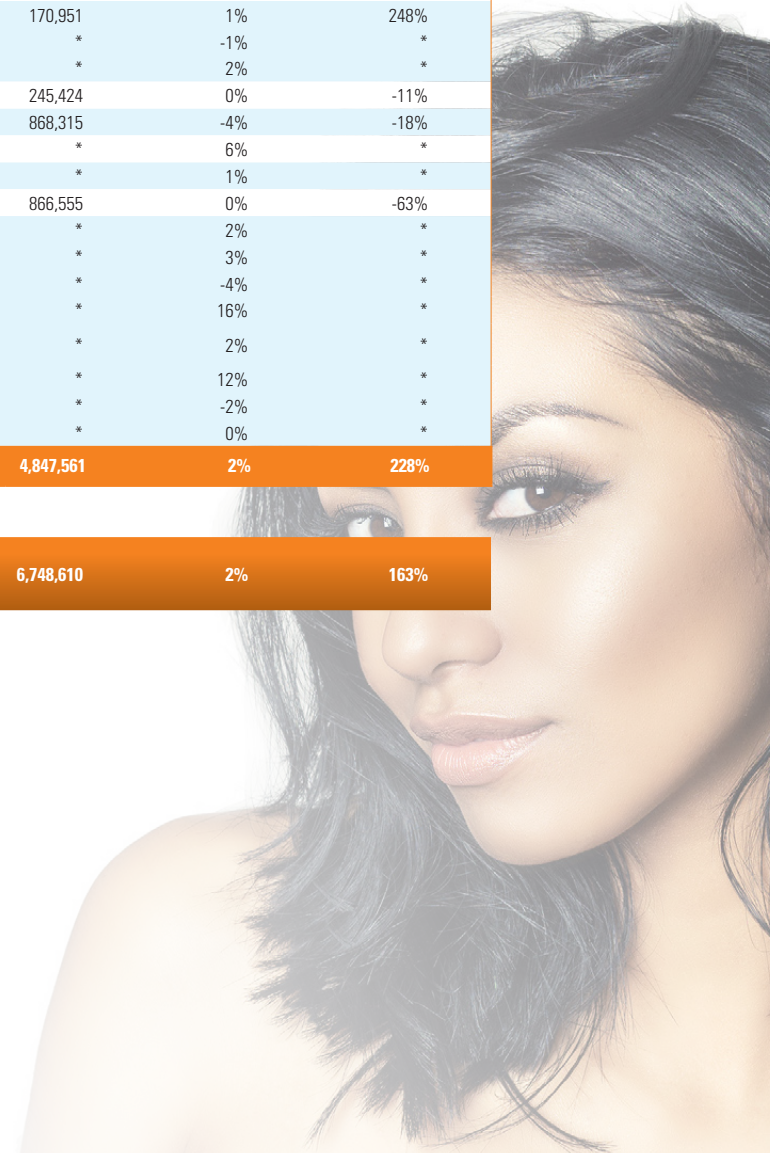
ASPS Member Only Procedural Statistics represent procedures performed by ASPS member surgeons certified by The American Board of Plastic

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2018 Cosmetic Plastic Surgery Statistics

Cosmetic Procedure Trends

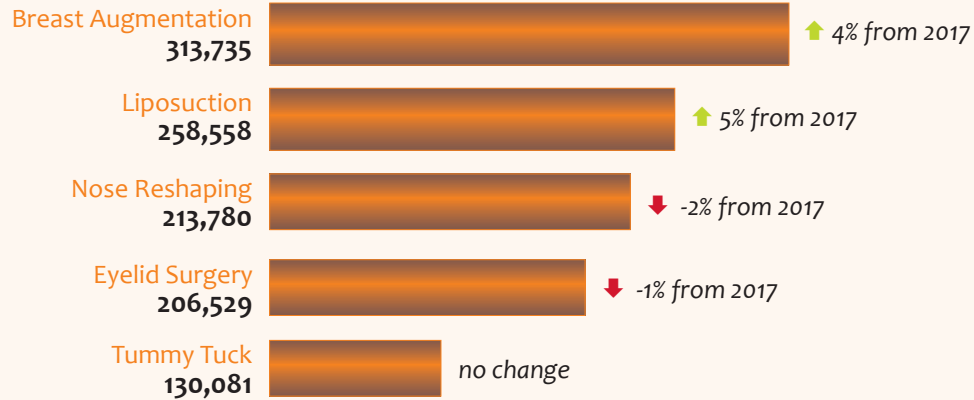
COSMETIC MINIMALLY-INVASIVE PROCEDURES	2018	2017	2000	% CHANGE 2018 vs. 2017	% CHANGE 2018 vs. 2000
Botulinum Toxin Type A (Botox®, Dysport®, Xeomin®)****	7,437,378	7,230,967	786,911	3%	845%
Cellulite treatment (Velosmooth®, Endermology)	37,220	37,034	23,952	1%	55%
Chemical peel	1,384,327	1,376,703	1,149,457	1%	20%
Injection lipolysis (e.g., Kybella®)	63,993	62,587	*	2%	*
Intense Pulsed Light (IPL) treatment	675,552	667,561	*	1%	*
Laser hair removal	1,077,490	1,086,830	735,996	-1%	46%
Laser skin resurfacing	594,266	587,903	170,951	1%	248%
Ablative	160,733	161,670	*	-1%	*
Non-ablative (Fraxel®, etc.)	433,533	426,233	*	2%	*
Laser treatment of leg veins	217,836	218,929	245,424	0%	-11%
Microdermabrasion	709,413	740,287	868,315	-4%	-18%
Non-invasive fat reduction (e.g., Coolsculpting®, Liposonix®)	376,962	356,378	*	6%	*
Non-surgical skin tightening (e.g., Pelleve®, Thermage®, Ulthera®)	335,290	333,334	*	1%	*
Sclerotherapy	323,234	324,340	866,555	0%	-63%
Soft Tissue Fillers	2,676,970	2,631,014	*	2%	*
Acellular Dermal Matrix****	8,575	8,349	*	3%	*
Calcium hydroxylapatite (Radiesse®)	227,234	237,244	*	-4%	*
Fat-face^^^	45,360	39,090	*	16%	*
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	2,128,923	2,091,476	*	2%	*
Platelet-Rich Plasma (PRP)	127,394	113,356	*	12%	*
Polylactic acid (Sculptra®)	121,920	123,860	*	-2%	*
Polymethyl-methacrylate microspheres (Bellafill®)	17,564	17,639	*	0%	*
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	15,909,931	15,653,867	4,847,561	2%	228%
TOTAL COSMETIC PROCEDURES	17,721,671	17,444,699	6,748,610	2%	163%



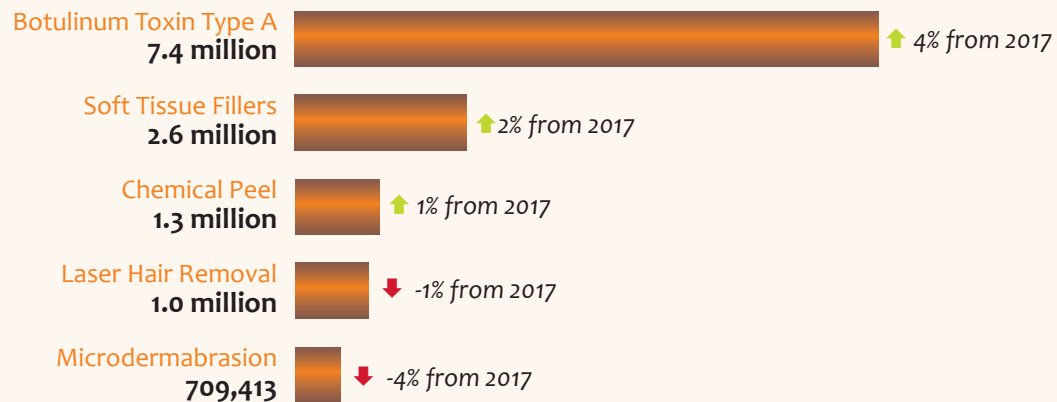
2018 Top Five Cosmetic Plastic Surgery Procedures

Cosmetic Procedure Charts

2018 TOP FIVE COSMETIC SURGICAL PROCEDURES



2018 TOP FIVE COSMETIC MINIMALLY-INVASIVE PROCEDURES



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

^In 2000 figure included all animal bites.

^^In 2000 figure included facial laceration repair.

^^^In 2018 and 2017 figure includes facial laceration repair.

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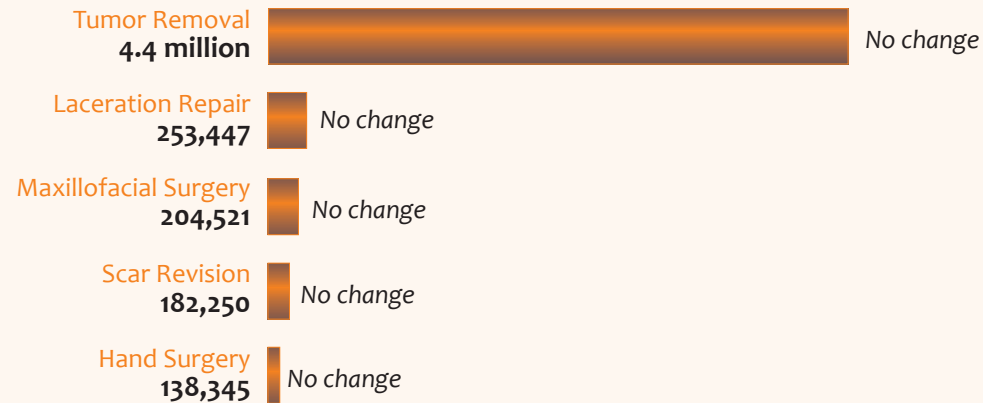
2018 Reconstructive Plastic Surgery Statistics

Reconstructive Procedure Trends

Top 5 procedures appear in bold.

RECONSTRUCTIVE PROCEDURES	2018	2017	2000	% CHANGE 2018 vs. 2017	% CHANGE 2018 vs. 2000
Dog bite repair [^]	26,906	27,923	43,089	-4%	-38%
Birth defect (congenital deformities)	32,870	31,582	40,076	4%	-18%
Breast implant removals (Reconstructive patients only) ^{****}	19,149	19,415	16,287	-1%	18%
Breast reconstruction ^{****}	101,657	106,295	78,832	-4%	29%
Breast reduction (reconstructive patients only)	57,535	59,463	*	-3%	*
Burn care	17,682	16,964	*	4%	*
Hand surgery (excluding microsurgical)	138,345	138,095	*	0%	*
Head and neck reconstruction ^{****}	27,439	27,898	*	-2%	*
Hernia repair ^{****}	11,173	10,758	*	4%	*
Laceration repair (other than facial) ^{^^}	253,447	253,760	358,666	0%	-29%
Lower extremity reconstruction (including microsurgical) ^{****}	15,029	15,625	*	-4%	*
Maxillofacial surgery ^{^^^}	204,521	204,778	79,331	0%	158%
Pelvic floor reconstruction ^{****}	1,719	1,592	*	8%	*
Scar revision	182,250	182,321	221,858	0%	-18%
Tumor removal (including skin cancer)	4,462,519	4,479,033	*	0%	*
Other reconstructive procedures	253,639	258,851	376,270	-2%	-33%
TOTAL RECONSTRUCTIVE PROCEDURES	5,805,880	5,834,353	*	0%	*

2018 TOP FIVE RECONSTRUCTIVE PROCEDURES



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

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2018 Cosmetic Surgery Gender Distribution

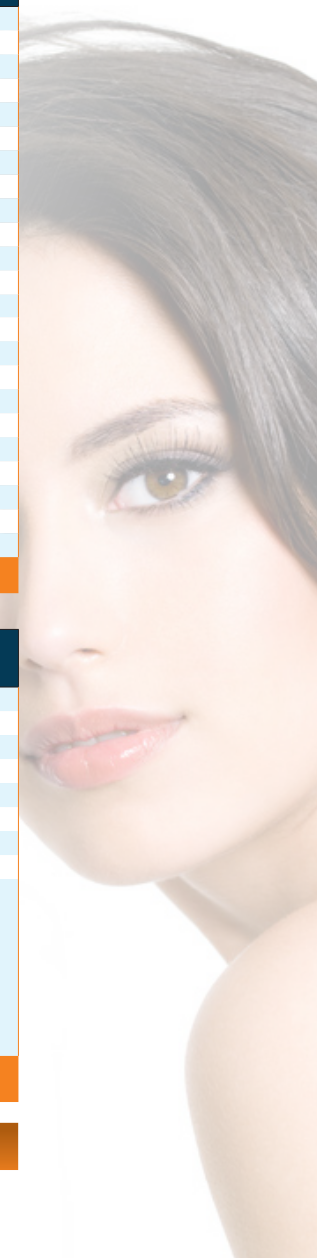
Female

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	2018 TOTAL PROCEDURES	2018 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2018 vs. 2017	% CHANGE 2018 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	313,735	313,735	100%	4%	48%
Breast implant removals (Augmentation patients only)	29,236	29,236	100%	6%	-28%
Breast lift (Mastopexy)	109,638	109,638	100%	4%	108%
Breast reduction in men (Gynecomastia)	24,753	0	0%	-	-
Buttock implants	946	816	86%	-29%	*
Buttock lift	4,824	4,454	92%	0%	241%
Calf augmentation	655	278	42%	-1%	*
Cheek implant (Malar augmentation)	14,369	10,488	73%	0%	20%
Chin augmentation (Mentoplasty)	16,400	6,817	42%	-8%	-62%
Dermabrasion	80,697	70,211	87%	-3%	152%
Ear surgery (Otoplasty)	22,884	13,289	58%	0%	-31%
Eyelid surgery (Blepharoplasty)	206,529	175,035	85%	-1%	-35%
Facelift (Rhytidectomy)	121,531	109,514	90%	-4%	-8%
Forehead lift	38,795	34,187	88%	-3%	-68%
Hair transplantation	23,658	6,818	29%	23%	68%
Lip augmentation (other than injectable materials)	30,859	29,622	96%	4%	61%
Liposuction	258,558	229,030	89%	5%	-24%
Lower body lift	9,098	8,357	92%	1%	*
Nose reshaping (Rhinoplasty)	213,780	161,120	75%	-3%	-33%
Pectoral implants	700	0	0%	-	-
Thigh Lift	10,100	9,614	95%	5%	89%
Tummy tuck (Abdominoplasty)	130,081	125,189	96%	0%	107%
Upper arm lift	17,338	16,975	98%	-4%	4922%
TOTAL COSMETIC SURGICAL PROCEDURES	1,679,164	1,464,423	87%	1%	-3%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2018 TOTAL PROCEDURES	2018 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2018 vs. 2017	% CHANGE 2018 vs. 2000
Botulinum toxin type A (Botox® Dysport® Xeomin®)***	7,437,378	6,984,566	94%	3%	908%
Cellulite treatment (e.g., Velosmooth®, Endermology)	37,220	32,499	87%	2%	36%
Chemical peel	1,384,327	1,281,644	93%	1%	35%
Laser hair removal	1,077,490	892,822	83%	-1%	48%
Laser skin resurfacing	594,266	518,682	87%	1%	247%
Laser treatment of leg veins	217,836	188,331	86%	-1%	-16%
Microdermabrasion	709,413	572,528	81%	-4%	-27%
Sclerotherapy	323,234	318,691	99%	0%	-62%
Soft tissue fillers	2,523,437	2,422,735	96%	1%	302%
Calcium hydroxylapatite (e.g., Radiesse®)	227,234	211,560	93%	-5%	*
Fat-face^^^	45,360	42,664	94%	16%	*
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	2,128,923	2,067,026	97%	2%	*
Polyactic acid (Sculptra®)	121,920	101,485	83%	-2%	*
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	14,304,601	13,212,498	92%	2%	171%

TOTAL COSMETIC PROCEDURES	15,983,765	14,676,921	92%	2%	130%
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2018 Plastic Surgery Statistics Report



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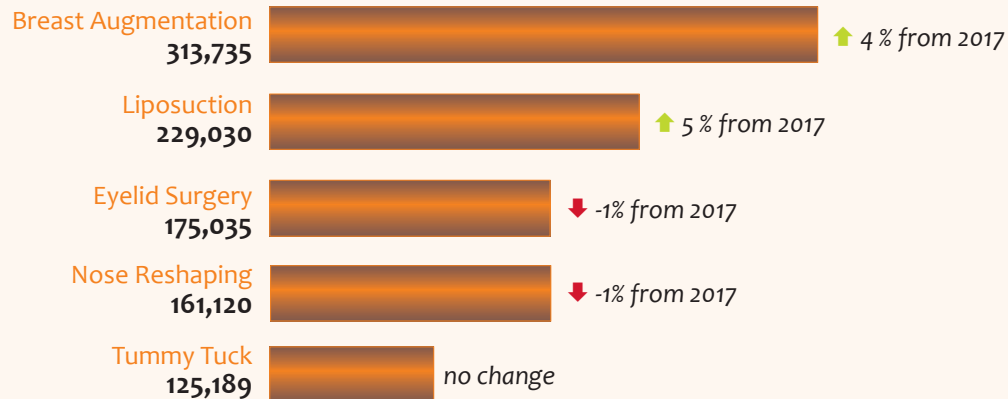
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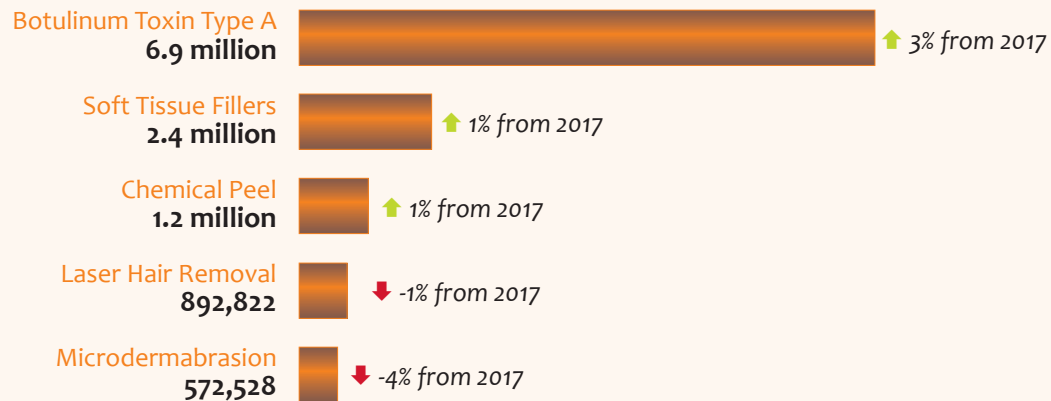
2018 Cosmetic Surgery Gender Distribution Charts

Female

2018 TOP FIVE FEMALE COSMETIC SURGICAL PROCEDURES



2018 TOP FIVE FEMALE COSMETIC MINIMALLY-INVASIVE PROCEDURES



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All figures are projected.

* Data unavailable in prior year.

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

^^^In 2017 figure is restated to include fat fillers performed only to the face

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2018 Cosmetic Surgery Gender Distribution

Male

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	2018 TOTAL PROCEDURES	2018 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2018 vs. 2017	% CHANGE 2018 vs. 2000
Breast augmentation (Augmentation mammoplasty)	313,735	0	0%	-	-
Breast implant removals (Augmentation patients only)	29,236	0	0%	-	-
Breast lift (Mastopexy)	109,638	0	0%	-	-
Breast reduction in men (Gynecomastia)	24,753	24,753	100%	-8%	22%
Buttock implants	946	130	14%	-28%	*
Buttock lift	4,824	370	8%	5%	671%
Calf augmentation	655	377	58%	0%	*
Cheek implant (Malar augmentation)	14,369	3,881	27%	3%	133%
Chin augmentation (Mentoplasty)	16,400	9,583	58%	10%	5%
Dermabrasion	80,697	10,486	13%	-10%	-27%
Ear surgery (Otoplasty)	22,884	9,595	42%	-5%	-44%
Eyelid surgery (Blepharoplasty)	206,529	31,494	15%	-2%	-45%
Facelift (Rhytidectomy)	121,531	12,017	10%	3%	-21%
Forehead lift	38,795	4,608	12%	-3%	-64%
Hair transplantation	23,658	16,840	71%	17%	-59%
Lip augmentation (other than injectable materials)	30,859	1,237	4%	5%	433%
Liposuction	258,558	29,528	11%	5%	-43%
Lower body lift	9,098	741	8%	-5%	*
Nose reshaping (Rhinoplasty)	213,780	52,660	25%	1%	-65%
Pectoral implants	700	700	100%	-	-
Thigh Lift	10,100	486	5%	2%	121%
Tummy tuck (Abdominoplasty)	130,081	4,892	4%	0%	113%
Upper arm lift	17,338	363	2%	-1%	*
TOTAL COSMETIC SURGICAL PROCEDURES	1,679,164	214,741	13%	0%	-45%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2018 TOTAL PROCEDURES	2018 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2018 vs. 2017	% CHANGE 2018 vs. 2000
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	7,437,378	452,812	6%	-3%	381%
Cellulite treatment (e.g., Velosmooth®, Endermology)	37,220	4,721	13%	-7%	*
Chemical peel	1,384,327	102,683	7%	-4%	-49%
Laser hair removal	1,077,490	184,668	17%	0%	39%
Laser skin resurfacing	594,266	75,584	13%	3%	250%
Laser treatment of leg veins	217,836	29,505	14%	3%	40%
Microdermabrasion	709,413	136,885	19%	-4%	59%
Sclerotherapy	323,234	4,543	1%	8%	-83%
Soft tissue fillers	2,523,437	100,702	4%	5%	101%
Calcium hydroxylapatite (e.g., Radiesse®)	227,234	15,674	7%	3%	*
Fat-face^^^	45,360	2,696	6%	9%	*
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	2,128,923	61,897	3%	6%	*
Polylactic acid (Sculptra®)	121,920	20,435	17%	2%	*
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	14,304,601	1,092,103	8%	-2%	72%
TOTAL COSMETIC PROCEDURES	15,983,765	1,306,844	8%	-1%	29%

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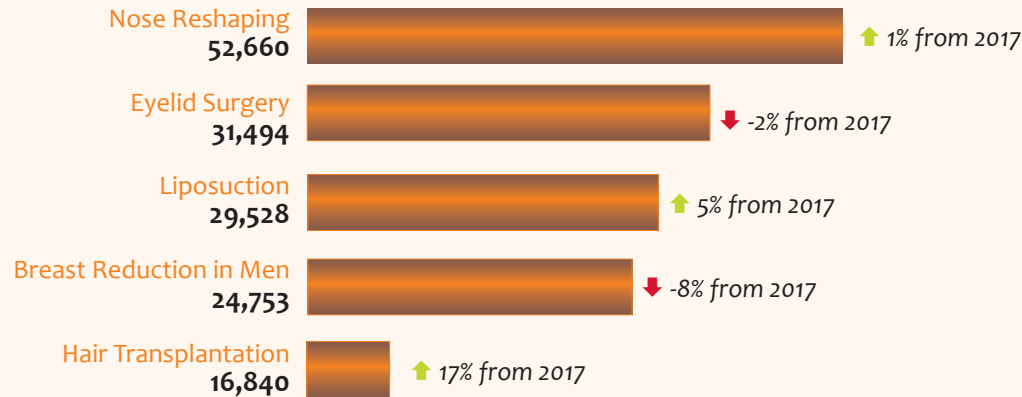
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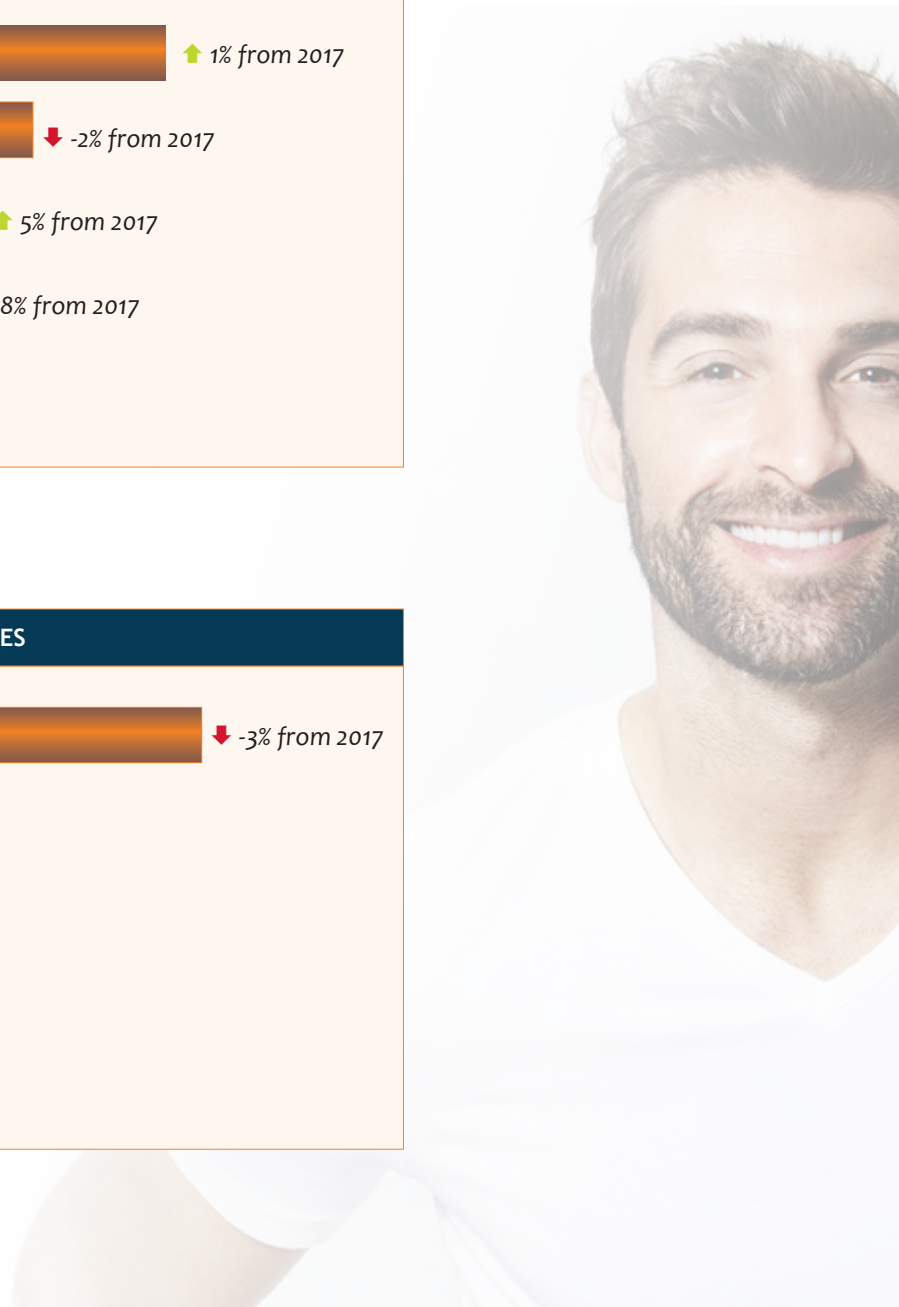
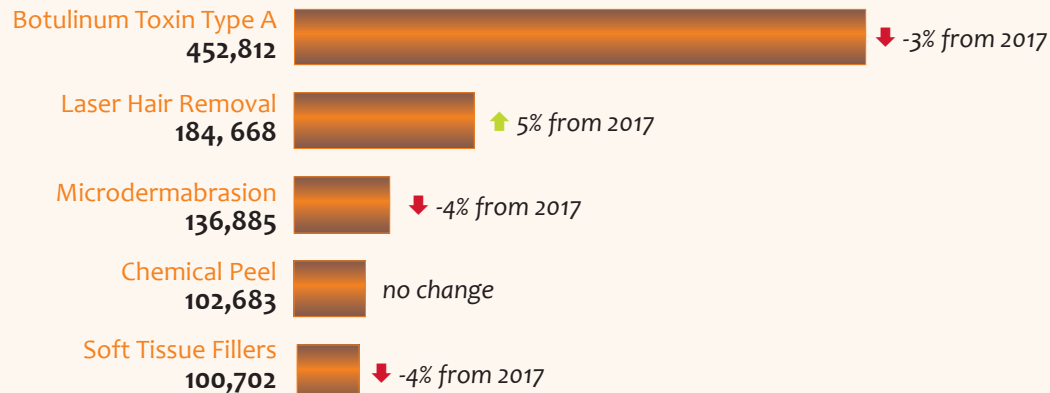
2018 Cosmetic Surgery Gender Distribution Charts

Male

2018 TOP FIVE MALE COSMETIC SURGICAL PROCEDURES



2018 TOP FIVE MALE COSMETIC MINIMALLY-INVASIVE PROCEDURES



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^Totals represents only 18 and 19 years olds.

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2018 Cosmetic Surgery Age Distribution

Age 13-19

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 13-19 2018 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2018 vs 2017
Breast augmentation (augmentation mammoplasty) [^]	8,636	3%	2%
Breast implant removals (augmentation patients only) [^]	103	0%	4%
Breast lift (mastopexy)	1,978	2%	2%
Breast reduction in men (gynecomastia)	6,330	26%	-8%
Chin augmentation (mentoplasty)	1,414	9%	3%
Dermabrasion	3,451	4%	-7%
Ear surgery (otoplasty)	6,391	28%	-3%
Eyelid surgery (blepharoplasty)	1,969	1%	-1%
Lip augmentation (other than injectable materials)	298	1%	3%
Liposuction	4,164	2%	7%
Nose reshaping (rhinoplasty)	30,260	14%	-1%
TOTAL COSMETIC SURGICAL PROCEDURES	64,994	4%	-1%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 13-19 2018 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2018 vs 2017
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	21,575	0%	3%
Chemical peel	7,207	1%	4%
Laser hair removal	69,416	6%	-1%
Laser skin resurfacing	28,880	5%	0%
Laser treatment of leg veins	19,464	9%	-2%
Microdermabrasion	7,046	1%	-3%
Sclerotherapy	1,805	1%	1%
Soft Tissue Fillers	6,607	0%	0%
Calcium hydroxylapatite (e.g., Radiesse®)	766	0%	-4%
Fat-face ^{^^^}	394	1%	14%
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	3,791	0%	1%
Poly-lactic acid (Sculptra®)	1,656	1%	-3%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	162,000	1%	0%

TOTAL COSMETIC PROCEDURES	226,994	1%	-1%
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2018 Cosmetic Surgery Age Distribution

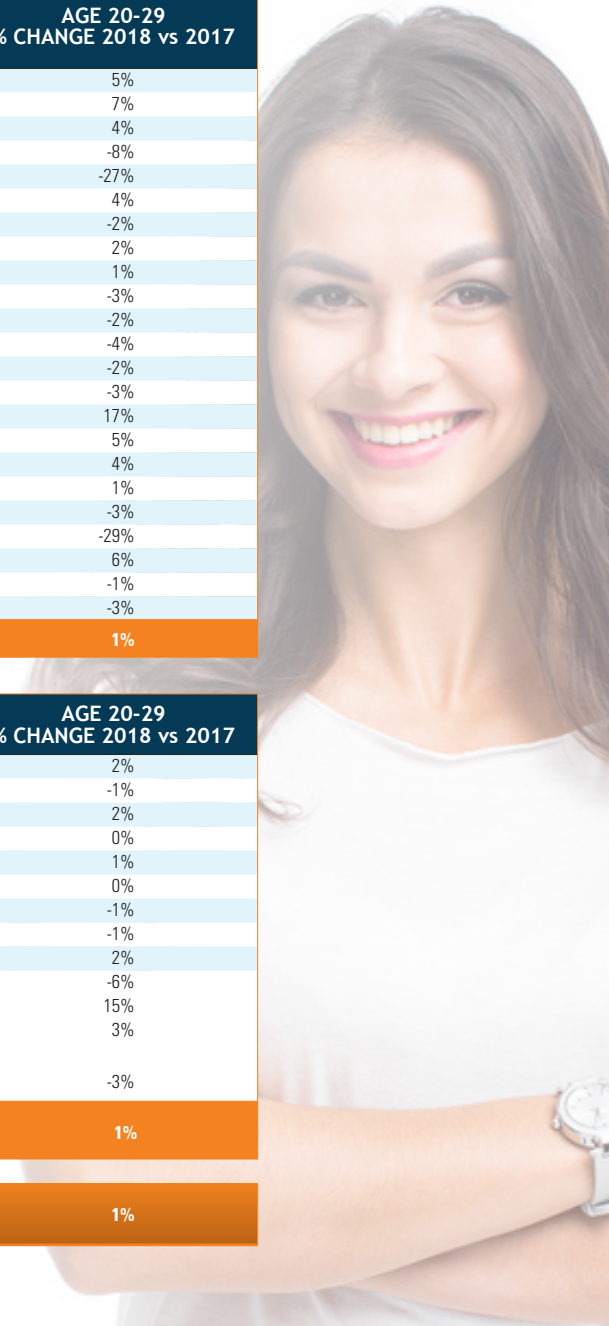
Age 20-29

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 20-29 2018 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2018 vs 2017
Breast augmentation (Augmentation mammoplasty)	90,395	29%	5%
Breast implant removals (Augmentation patients only)	3,817	13%	7%
Breast lift (Mastopexy)	14,889	14%	4%
Breast reduction in men (Gynecomastia)	8,639	35%	-8%
Buttock implants	193	20%	-27%
Buttock lift	616	13%	4%
Calf augmentation	247	38%	-2%
Cheek implant (Malar augmentation)	1,354	9%	2%
Chin augmentation (Mentoplasty)	2,262	14%	1%
Dermabrasion	5,423	7%	-3%
Ear surgery (Otoplasty)	6,958	30%	-2%
Eyelid surgery (Blepharoplasty)	3,574	2%	-4%
Facelift (Rhytidectomy)	345	0%	-2%
Forehead lift	216	1%	-3%
Hair transplantation	2,059	9%	17%
Lip augmentation (other than injectable materials)	1,491	5%	5%
Liposuction	39,569	15%	4%
Lower body lift	883	10%	1%
Nose reshaping (Rhinoplasty)	66,563	31%	-3%
Pectoral implants	350	50%	-29%
Thigh Lift	628	6%	6%
Tummy tuck (Abdominoplasty)	12,302	9%	-1%
Upper arm lift	1,621	9%	-3%
TOTAL COSMETIC SURGICAL PROCEDURES	264,394	16%	1%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 20-29 2018 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2018 vs 2017
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	109,385	1%	2%
Cellulite treatment (e.g., Velosmooth®, Endermology)	8,126	22%	-1%
Chemical peel	16,451	1%	2%
Laser hair removal	233,181	22%	0%
Laser skin resurfacing	33,044	6%	1%
Laser treatment of leg veins	27,982	13%	0%
Microdermabrasion	55,922	8%	-1%
Sclerotherapy	14,033	4%	-1%
Soft tissue fillers	69,257	3%	2%
Calcium hydroxylapatite (e.g., Radiesse®)	4,395	2%	-6%
Fat-face ^{^^^}	2,228	5%	15%
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	56,203	3%	3%
Poly-lactic acid (Sculptra®)	6,431	5%	-3%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	567,381	4%	1%

TOTAL COSMETIC PROCEDURES	831,775	5%	1%
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2018 Cosmetic Surgery Age Distribution

Age 30-39

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 30-39 2018 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2018 vs 2017
Breast augmentation (Augmentation mammoplasty)	116,351	37%	5%
Breast implant removals (Augmentation patients only)	8,451	29%	6%
Breast lift (Mastopexy)	32,904	30%	4%
Breast reduction in men (Gynecomastia)	4,383	18%	-8%
Buttock implants	315	33%	-29%
Buttock lift	1,317	27%	-3%
Calf augmentation	267	41%	1%
Cheek implant (Malar augmentation)	3,022	21%	1%
Chin augmentation (Mentoplasty)	2,149	13%	1%
Dermabrasion	7,944	10%	-7%
Ear surgery (Otoplasty)	4,029	18%	-1%
Eyelid surgery (Blepharoplasty)	13,058	6%	0%
Facelift (Rhytidectomy)	1,889	2%	-3%
Forehead lift	1,605	4%	-2%
Hair transplantation	1,924	8%	18%
Lip augmentation (other than injectable materials)	4,003	13%	4%
Liposuction	88,906	34%	7%
Lower body lift	2,472	27%	-1%
Nose reshaping (Rhinoplasty)	50,471	24%	-3%
Pectoral implants	127	18%	-29%
Thigh Lift	2,895	29%	5%
Tummy tuck (Abdominoplasty)	45,953	35%	-1%
Upper arm lift	2,532	15%	-3%
TOTAL COSMETIC SURGICAL PROCEDURES	396,967	24%	3%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 30-39 2018 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2018 vs 2017
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	1,371,034	18%	5%
Cellulite treatment (e.g., Velosmooth®, Endermology)	19,890	53%	0%
Chemical peel	178,552	13%	-1%
Laser hair removal	314,843	29%	-1%
Laser skin resurfacing	50,161	8%	1%
Laser treatment of leg veins	65,534	30%	-1%
Microdermabrasion	162,350	23%	-4%
Sclerotherapy	67,001	21%	1%
Soft tissue fillers	281,318	11%	0%
Calcium hydroxylapatite (e.g., Radiesse®)	18,664	8%	-6%
Fat-face^^^	5,864	13%	14%
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	243,225	11%	0%
Polyactic acid (Sculptra®)	13,565	11%	-3%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	2,510,683	18%	2%

TOTAL COSMETIC PROCEDURES	2,907,650	18%	2%
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2018 Cosmetic Surgery Age Distribution

Age 40-54

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 40-54 2018 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2018 vs 2017
Breast augmentation (Augmentation mammoplasty)	90,604	29%	3%
Breast implant removals (Augmentation patients only)	12,233	42%	6%
Breast lift (Mastopexy)	42,648	39%	5%
Breast reduction in men (Gynecomastia)	3,290	13%	-8%
Buttock implants	369	39%	-29%
Buttock lift	2,047	42%	2%
Calf augmentation	99	15%	-1%
Cheek implant (Malar augmentation)	6,265	44%	0%
Chin augmentation (Mentoplasty)	4,172	25%	5%
Dermabrasion	30,876	38%	-5%
Ear surgery (Otoplasty)	3,342	15%	-2%
Eyelid surgery (Blepharoplasty)	89,729	43%	2%
Facelift (Rhytidectomy)	39,263	32%	-6%
Forehead lift	15,747	41%	-1%
Hair transplantation	4,994	21%	20%
Lip augmentation (other than injectable materials)	10,978	36%	2%
Liposuction	99,681	39%	4%
Lower body lift	3,933	43%	0%
Nose reshaping (Rhinoplasty)	45,137	21%	-1%
Pectoral implants	137	20%	-29%
Thigh Lift	4,771	47%	4%
Tummy tuck (Abdominoplasty)	54,189	42%	2%
Upper arm lift	7,318	42%	-5%
TOTAL COSMETIC SURGICAL PROCEDURES	571,822	34%	1%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 40-54 2018 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2018 vs 2017
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	4,228,531	57%	2%
Cellulite treatment (e.g., Velosmooth®, Endermology)	9,188	25%	2%
Chemical peel	577,163	42%	0%
Laser hair removal	390,298	36%	-1%
Laser skin resurfacing	247,223	42%	2%
Laser treatment of leg veins	67,827	31%	0%
Microdermabrasion	314,253	44%	-5%
Sclerotherapy	155,501	48%	-1%
Soft tissue fillers	1,239,115	49%	0%
Calcium hydroxylapatite (e.g., Radiesse®)	89,289	39%	-4%
Fat-face^^^	15,410	34%	18%
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	1,064,853	50%	1%
Polyactic acid (Sculptra®)	69,563	57%	-2%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	7,229,099	51%	1%

TOTAL COSMETIC PROCEDURES	7,800,921	49%	1%
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2018 Cosmetic Surgery Age Distribution

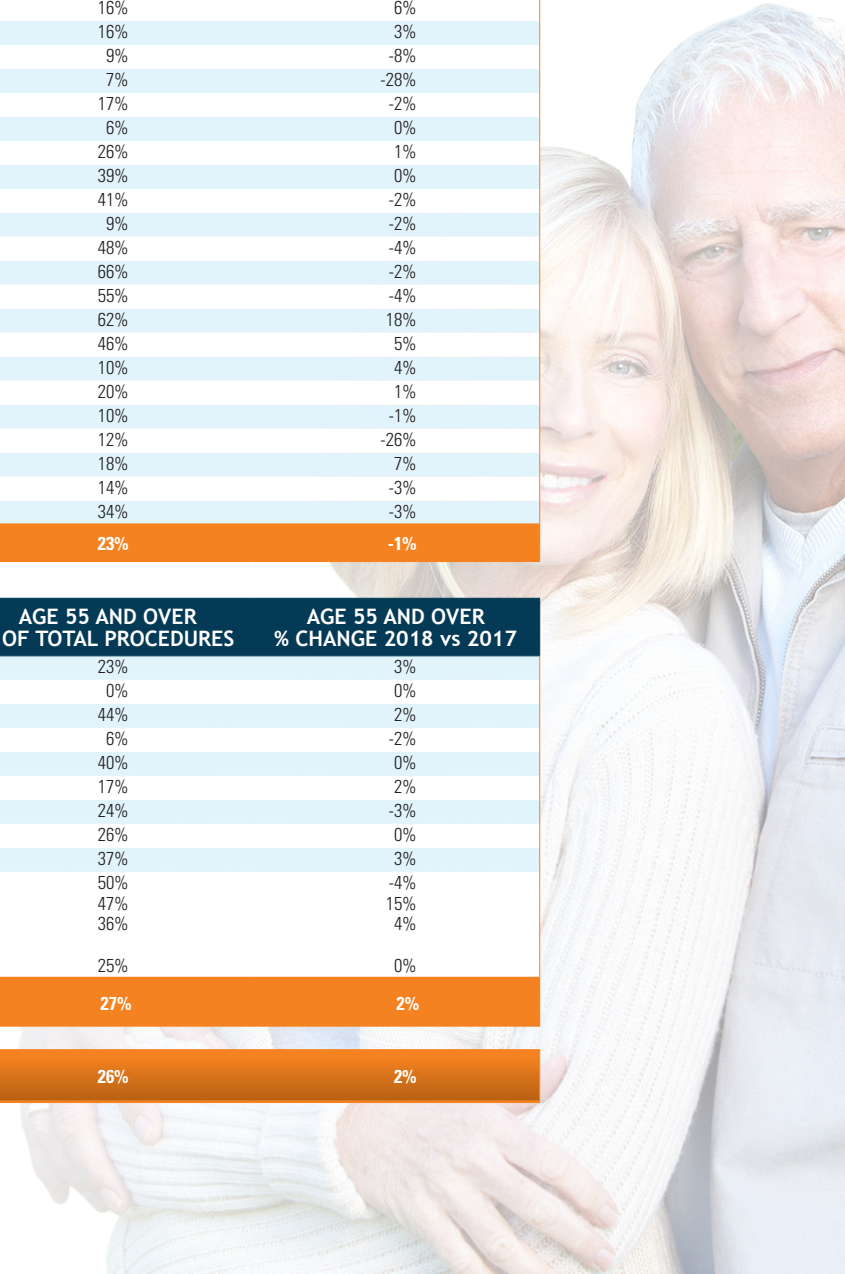
Age 55 and over

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 55 AND OVER 2018 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2018 vs 2017
Breast augmentation (Augmentation mammoplasty)	7,749	2%	4%
Breast implant removals (Augmentation patients only)	4,632	16%	6%
Breast lift (Mastopexy)	17,219	16%	3%
Breast reduction in men (Gynecomastia)	2,111	9%	-8%
Buttock implants	69	7%	-28%
Buttock lift	844	17%	-2%
Calf augmentation	42	6%	0%
Cheek implant (Malar augmentation)	3,728	26%	1%
Chin augmentation (Mentoplasty)	6,403	39%	0%
Dermabrasion	33,003	41%	-2%
Ear surgery (Otoplasty)	2,164	9%	-2%
Eyelid surgery (Blepharoplasty)	98,199	48%	-4%
Facelift (Rhytidectomy)	80,034	66%	-2%
Forehead lift	21,227	55%	-4%
Hair transplantation	14,681	62%	18%
Lip augmentation (other than injectable materials)	14,089	46%	5%
Liposuction	26,238	10%	4%
Lower body lift	1,810	20%	1%
Nose reshaping (Rhinoplasty)	21,349	10%	-1%
Pectoral implants	86	12%	-26%
Thigh Lift	1,806	18%	7%
Tummy tuck (Abdominoplasty)	17,637	14%	-3%
Upper arm lift	5,867	34%	-3%
TOTAL COSMETIC SURGICAL PROCEDURES	380,987	23%	-1%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 55 AND OVER 2018 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2018 vs 2017
Botulinum toxin type A (Botox®, Dysport®, Xeomin®)***	1,706,853	23%	3%
Cellulite treatment (e.g., Velosmooth®, Endermology)	16	0%	0%
Chemical peel	604,954	44%	2%
Laser hair removal	69,752	6%	-2%
Laser skin resurfacing	234,958	40%	0%
Laser treatment of leg veins	37,029	17%	2%
Microdermabrasion	169,842	24%	-3%
Sclerotherapy	84,894	26%	0%
Soft tissue fillers	927,140	37%	3%
Calcium hydroxylapatite (e.g., Radiesse®)	114,120	50%	-4%
Fat-face^^^	21,464	47%	15%
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	760,851	36%	4%
Poly-lactic acid (Sculptra®)	30,705	25%	0%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	3,835,438	27%	2%

TOTAL COSMETIC PROCEDURES	4,216,425	26%	2%
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2018 Regional Distribution

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5
Breast augmentation (Augmentation mammoplasty)	313,735	46,738 15%	53,522 17%	50,623 16%	50,900 16%	111,952 36%
Breast implant removals (Augmentation patients only)	29,236	5,923 20%	4,986 17%	6,131 21%	6,211 21%	5,985 20%
Breast lift (Mastopexy)	109,638	14,185 13%	16,153 15%	22,412 20%	22,686 21%	34,202 31%
Breast reduction (Aesthetic patients only)	43,591	7,036 16%	12,353 28%	6,495 15%	9,068 21%	8,639 20%
Breast reduction in men (Gynecomastia)	24,753	8,200 33%	4,317 17%	4,004 16%	2,936 12%	5,296 21%
Buttock augmentation with fat grafting	24,099	5,401 22%	6,778 28%	4,970 21%	4,060 17%	2,890 12%
Buttock implants	946	148 16%	128 14%	267 28%	217 23%	186 20%
Buttock lift	4,824	1,175 24%	1,587 33%	854 18%	671 14%	537 11%
Calf augmentation	655	191 29%	67 10%	179 27%	78 12%	140 21%
Cheek implant (Malar augmentation)	14,369	2,613 18%	1,327 9%	2,786 19%	6,318 44%	1,325 9%
Chin augmentation (Mentoplasty)	16,400	3,785 23%	2,426 15%	2,432 15%	1,790 11%	5,967 36%
Dermabrasion	80,697	9,797 12%	24,324 30%	17,555 22%	9,124 11%	19,897 25%
Ear surgery (Otoplasty)	22,884	4,397 19%	4,395 19%	3,395 15%	3,640 16%	7,057 31%
Eyelid surgery (Blepharoplasty)	206,529	37,988 18%	28,169 14%	45,663 22%	24,597 12%	70,112 34%
Facelift (Rhytidectomy)	121,531	24,302 20%	14,224 12%	27,904 23%	17,278 14%	37,823 31%
Forehead lift	38,795	6,207 16%	5,336 14%	6,752 17%	7,372 19%	13,128 34%
Hair transplantation	23,658	2,298 10%	2,322 10%	2,801 12%	10,942 46%	5,295 22%
Labiaplasty	10,246	2,019 20%	1,655 16%	2,353 23%	1,310 13%	2,909 28%
Lip augmentation (other than injectable materials)	30,859	8,260 27%	5,208 17%	5,143 17%	6,208 20%	6,040 20%
Lip reduction	1,069	193 18%	371 35%	206 19%	155 14%	144 13%
Liposuction	258,558	44,581 17%	33,276 13%	58,312 23%	40,077 16%	82,312 32%
Lower body lift	9,098	2,701 30%	1,390 15%	980 11%	1,913 21%	2,114 23%
Neck lift	53,571	10,416 19%	6,465 12%	11,337 21%	8,467 16%	16,886 32%
Nose reshaping (Rhinoplasty)	213,780	62,045 29%	29,187 14%	26,649 12%	39,024 18%	56,875 27%
Pectoral implants	700	110 16%	73 10%	196 28%	127 18%	194 28%
Thigh Lift	10,100	2,458 24%	1,577 16%	1,414 14%	1,976 20%	2,675 26%
Tummy tuck (Abdominoplasty)	130,081	25,476 20%	24,038 18%	21,810 17%	21,462 16%	37,295 29%
Upper arm lift	17,338	4,999 29%	2,403 14%	3,681 21%	2,379 14%	3,876 22%
TOTAL COSMETIC SURGICAL PROCEDURES	1,811,740	343,642 19%	288,057 16%	337,304 19%	300,986 17%	541,751 30%

2018 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.

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2018 Regional Distribution

Top 5 procedures appear in bold

COSMETIC MINIMALLY-INVASIVE PROCEDURES	TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5
Botulinum Toxin Type A (Botox®, Dysport®, Xeomin®)***	7,437,378	1,480,985 20%	990,319 13%	1,757,242 24%	1,066,583 14%	2,142,249 29%
Cellulite treatment (Velosmooth®, Endermology)	37,220	8,284 22%	8,321 22%	7,432 20%	4,112 11%	9,071 24%
Chemical peel	1,384,327	337,429 24%	209,550 15%	271,286 20%	125,982 9%	440,080 32%
Injection lipolysis (e.g., Kybella®)	63,993	11,724 18%	12,497 20%	13,318 21%	8,550 13%	17,904 28%
Intense Pulsed Light (IPL) treatment	675,552	182,297 27%	102,077 15%	118,561 18%	59,407 9%	213,210 32%
Laser hair removal	1,077,490	188,725 18%	142,208 13%	237,664 22%	166,965 15%	341,928 32%
Laser skin resurfacing	594,266	118,256 20%	129,180 22%	92,486 16%	58,324 10%	196,020 33%
Laser treatment of leg veins	217,836	52,987 24%	22,786 10%	35,314 16%	23,847 11%	82,902 38%
Microdermabrasion	709,413	177,864 25%	137,436 19%	147,209 21%	80,653 11%	166,251 23%
Non-invasive fat reduction (Coolsculpting®, Liposonix®)	376,962	77,463 21%	49,733 13%	85,629 23%	52,694 14%	111,443 30%
Non-surgical skin tightening (Pelleve®, Thermage®, Ulthera®)	335,290	66,132 20%	47,092 14%	77,176 23%	45,707 14%	99,183 30%
Sclerotherapy	323,234	49,660 15%	37,875 12%	68,720 21%	119,661 37%	47,318 15%
Soft Tissue Fillers	2,676,970	786,400 29%	345,535 13%	506,265 19%	279,258 10%	759,512 28%
Acellular Dermal Matrix	8,575	1,543 18%	1,783 21%	1,830 21%	1,110 13%	2,309 27%
Calcium hydroxylapatite (Radiesse®)	227,234	78,452 35%	33,120 15%	43,560 19%	33,653 15%	38,449 17%
Fat-face	45,360	7,883 17%	8,595 19%	10,733 24%	3,499 8%	14,650 32%
Hyaluronic acid (Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	2,128,923	654,002 31%	257,336 12%	396,117 19%	177,435 8%	644,033 30%
Platelet-Rich Plasma (PRP)	127,394	27,011 21%	16,636 13%	29,384 23%	18,839 15%	35,524 28%
Polylactic acid (Sculptra®)	121,920	14,495 12%	27,118 22%	18,505 15%	43,568 36%	18,234 15%
Polymethyl-methacrylate microspheres (Bellafill®)	17,564	3,014 17%	947 5%	6,136 35%	1,154 7%	6,313 36%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	15,909,931	3,538,206 22%	2,234,609 14%	3,418,302 21%	2,091,743 13%	4,627,071 29%
TOTAL COSMETIC PROCEDURES	17,721,671	3,881,848 22%	2,522,666 14%	3,755,606 21%	2,392,729 14%	5,168,822 29%

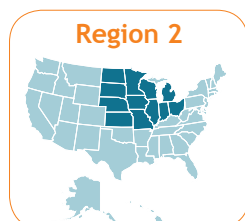
RECONSTRUCTIVE PROCEDURES	TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5
Breast reconstruction	101,657	20,393 20%	17,169 17%	21,313 21%	21,598 21%	21,184 21%

2018 Plastic Surgery Statistics Report



Region 1

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



Region 2

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

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* Data unavailable this year.

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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2018 Average Surgeon/Physician Fees

Cosmetic Procedures

COSMETIC SURGICAL PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Breast augmentation (Augmentation mammoplasty)	\$3,824	\$1,199,722,640
Breast implant removals (Augmentation patients only)	\$2,566	\$75,019,576
Breast lift (Mastopexy)	\$4,816	\$528,016,608
Breast reduction (Aesthetic patients only)	\$5,680	\$247,596,880
Breast reduction in men (Gynecomastia)	\$3,978	\$98,467,434
Buttock augmentation with fat grafting	\$4,341	\$104,613,759
Buttock implants	\$4,750	\$4,493,500
Buttock lift	\$4,802	\$23,164,848
Calf augmentation	\$3,844	\$2,517,820
Cheek implant (Malar augmentation)	\$3,015	\$43,322,535
Chin augmentation (Mentoplasty)	\$2,364	\$38,769,600
Dermabrasion	\$1,249	\$100,790,553
Ear surgery (Otoplasty)	\$3,163	\$72,382,092
Eyelid surgery (Blepharoplasty)	\$3,156	\$651,805,524
Facelift (Rhytidectomy)	\$7,655	\$930,319,805
Forehead lift	\$3,623	\$140,554,285
Hair transplantation	*	*
Labioplasty	\$2,924	\$29,959,304
Lip augmentation (other than injectable materials)	\$1,767	\$54,527,853
Lip reduction	\$2,009	\$2,147,621
Liposuction	\$3,518	\$909,607,044
Lower body lift	\$8,157	\$74,212,386
Neck lift	\$5,242	\$280,819,182
Nose reshaping (Rhinoplasty)	\$5,350	\$1,143,723,000
Pectoral implants	\$4,335	\$3,034,500
Thigh Lift	\$5,317	\$53,701,700
Tummy tuck (Abdominoplasty)	\$6,253	\$813,396,493
Upper arm lift	\$4,482	\$77,708,916

COSMETIC MINIMALLY-INVASIVE PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Botulinum Toxin Type A (Botox®, Dysport®, Xeomin®)	\$397	\$2,952,639,066
Cellulite treatment (Velosmooth®, Endermology)	*	*
Chemical peel	\$669	\$926,114,763
Injection lipolysis (e.g., Kybella®)	\$1,054	\$67,448,622
Intense Pulsed Light (IPL) treatment	\$391	\$264,140,832
Laser hair removal	\$285	\$307,084,650
Laser skin resurfacing	*	*
Ablative	\$2,071	\$332,878,043
Non-ablative (Fraxel®, etc.)	\$1,144	\$495,961,752
Laser treatment of leg veins	\$429	\$93,451,644
Microdermabrasion	\$131	\$92,933,103
Non-invasive fat reduction (Coolsculpting®, Liposonix®)	\$1,417	\$534,155,154
Non-surgical skin tightening (Pelleve®, Thermage®, Ulthera®)	\$2,059	\$690,362,110
Sclerotherapy	\$336	\$108,606,624
Soft Tissue Fillers	*	*
Acellular Dermal Matrix	\$2,065	\$17,707,375
Calcium hydroxylapatite (Radiesse®)	\$691	\$157,018,694
Fat-face	\$2,126	\$96,435,360
Hyaluronic acid (e.g., Juvederm Ultra®, Ultra Plus®, Voluma®, Volbella®, Vollure®, Restylane Lyft®, Restylane Silk®, Belotero®, Bolvella®, Restylane®)	\$682	\$1,451,925,486
Platelet-Rich Plasma (PRP)	\$683	\$87,010,102
Poly lactic acid (Sculptra®)	\$915	\$111,556,800
Polymethyl-methacrylate microspheres (Bellafill®)	\$889	\$15,614,396
Total 2018 Expenditures		\$16,507,440,034



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2018 Cosmetic Demographics

Patient behavior	2018	% 2018	2017	% 2017	% CHANGE 2018 vs. 2017
Cosmetic Patients who are repeat patients		45%		45%	
Patients having multiple cosmetic procedures at the same time		42%		41%	

Cosmetic Procedures Performed In*	2018	% 2018	2017	% 2017	% CHANGE 2018 vs. 2017
Office	6,055,495	34%	5,975,048	34%	1%
Hospital	4,488,550	25%	4,457,417	25%	1%
Free-standing Ambulatory Surgical Facility	7,177,626	41%	7,072,485	40%	1%

Ethnicity breakdown of cosmetic procedures	2018	% 2018	2017	% 2017	% CHANGE 2018 vs. 2017
Caucasian	12,475,361	70%	12,335,710	70%	1%
Hispanic	1,941,222	11%	1,911,652	11%	2%
African-American	1,617,300	9%	1,593,506	9%	1%
Asian-American	1,166,980	7%	1,150,603	7%	1%
Other	520,808	3%	513,479	3%	1%

Cosmetic surgical procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast Augmentation	74%	7%	5%	11%	3%
Rhinoplasty	74%	6%	5%	11%	5%
Blepharoplasty	81%	3%	7%	7%	2%
Liposuction	77%	8%	4%	10%	1%
Abdominoplasty	68%	12%	4%	13%	2%

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%	2%
Soft tissue fillers	80%	6%	5%	8%	1%
Chemical peel	82%	3%	5%	7%	3%
Laser hair removal	77%	7%	4%	8%	3%
Microdermabrasion	76%	5%	5%	9%	5%

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* 95% of total breast implants were silicone; 5% were saline.

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2018 Reconstructive Demographics

Cosmetic Procedures Performed In*	2018	% 2018	2017	% 2017	% CHANGE 2018 vs. 2017
Office	827,297	14%	838,837	14%	-1%
Hospital	3,518,997	61%	3,518,016	60%	0%
Free-standing Ambulatory Surgical Facility	1,459,586	25%	1,477,500	25%	-1%

2018 Reconstructive Breast Procedures

(with age distribution)

RECONSTRUCTIVE BREAST PROCEDURES	TOTAL PROCEDURES	13-19	20-29	30-39	40-54	55 AND OVER
Breast reconstruction*	101,657	509	2,517	11,896	50,833	35,902
Saline implants	4,402	-	-	-	-	-
Silicone implants	78,814	-	-	-	-	-
Implant alone	13,295	-	-	-	-	-
Tissue expander and implant	69,921	-	-	-	-	-
Pedicled TRAM	1,757	-	-	-	-	-
Free TRAM	2,042	-	-	-	-	-
DIEP Flap	9,497	-	-	-	-	-
Latissimus Dorsi flap	4,188	-	-	-	-	-
Other flap	957	-	-	-	-	-
Timing - Immediate	75,153	-	-	-	-	-
Timing - Delayed	26,504	-	-	-	-	-
Unilateral	34,323	-	-	-	-	-
Bilateral	67,334	-	-	-	-	-
Acellular dermal matrix	61,713	-	-	-	-	-
Fat grafts	33,291	-	-	-	-	-
Breast reduction (reconstructive patients only)	57,279	-	-	-	-	-
Breast implant removals (Reconstructive patients only)	19,149	139	1,100	3,501	9,139	5,270

Reconstructive procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast reconstruction	71%	13%	4%	11%	1%
Burn care	70%	13%	4%	10%	3%
Cleft Lip & Palate Repair	46%	3%	11%	26%	14%
Tumor removal	75%	9%	5%	9%	3%
Treatment of dog bites	72%	11%	3%	12%	2%

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Member Body Contouring projections are included within
Cosmetic Member Trends Worksheet.

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2018 Body Contouring After Massive Weight Loss

BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES	2018	2017	% CHANGE 2018 vs. 2017
Breast lift (Mastopexy) after massive weight loss	15,360	14,811	4%
Lower body lift after massive weight loss	6,463	6,407	1%
Thigh lift after massive weight loss	4,034	3,864	4%
Tummy tuck (Abdominoplasty) after massive weight loss	23,206	22,944	1%
Upper arm lift after massive weight loss	6,955	7,249	-4%
TOTAL BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES	56,018	55,275	1%

2018 Gender Confirmation Surgery Statistics

GENDER CONFIRMATION SURGERIES	2018	2017
Male to Female patients	2,885	2,483
Female to Male patients	6,691	5,821
TOTAL GENDER CONFIRMATION SURGERIES	9,576	8,304

