



AMERICAN SOCIETY OF  
PLASTIC SURGEONS®

2017

## PLASTIC SURGERY STATISTICS REPORT

**ASPS National Clearinghouse  
of Plastic Surgery  
Procedural Statistics**

**ASPS Public Relations**

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## 2017 Plastic Surgery Statistics

### Table of Contents

#### Introduction

About the American Society of Plastic Surgeons.....	3
Methodology and Validity.....	4
2017 Quick Facts - Plastic Surgery Trends.....	5
2017 Quick Facts - Demographic Trends.....	6

#### Statistical Reports

Cosmetic Procedure Trends.....	7-8
Cosmetic Procedure Charts.....	8
Reconstructive Procedure Trends and Charts.....	9
Cosmetic Surgery Gender Distribution – Female.....	10
Top Five Cosmetic Surgery Gender Distribution Charts – Female.....	11
Cosmetic Surgery Gender Distribution – Male.....	12
Top Five Cosmetic Surgery Gender Distribution Charts – Male.....	13
Cosmetic Surgery Age Distribution (13-19).....	14
Cosmetic Surgery Age Distribution (20-29).....	15
Cosmetic Surgery Age Distribution (30-39).....	16
Cosmetic Surgery Age Distribution (40-54).....	17
Cosmetic Surgery Age Distribution (55 and Over).....	18
Regional Distribution.....	19
Average Surgeon/Physician Fees – Cosmetic Procedures.....	20
Cosmetic Demographics.....	21
Reconstructive Demographics.....	22
Reconstructive Breast Procedures.....	22
Body Contouring after Massive Weight Loss.....	23
Gender Confirmation Surgery Statistics.....	23



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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 94 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

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## 2017 Plastic Surgery Statistics

### *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 571 active physicians returned questionnaires. Overall, 783 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 24,500 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  $\pm 4.05$  percent margin of error.

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## 2017 Quick Facts

### Cosmetic and Reconstructive Plastic Surgery Trends

#### Percentage change 2017 vs. 2016

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

#### 2017 Top 5 Cosmetic Surgical Procedures

	2017 vs. 2016
Breast augmentation (300,000)	↑ 3%
Liposuction (246,000)	↑ 5%
Nose Reshaping (218,000)	↓ 2%
Eyelid surgery (209,000)	no change
Tummy Tuck (129,000)	↑ 2%

Breast augmentation continues to be the top cosmetic surgical procedure and has been since 2006. Silicone implants were used in 87%, and saline implants in 13%, of all breast augmentations in 2017.

Cosmetic surgical procedures, not among the Top 5, with notable gains in 2017 include:

- Buttock augmentation w/ fat grafting – up 10%
- Breast Reduction – up 11%
- Hair Transplantation – up 19%

#### 2017 Top 5 Cosmetic Minimally-Invasive Procedures

	2017 vs. 2016
Botulinum toxin type A (7.2 million)	↑ 2%
Soft tissue fillers (2.7 million)	↑ 3%
Chemical peel (1.4 million)	↑ 1%
Laser hair removal (1.0 million)	↓ 2%
Microdermabrasion (740,000)	↓ 4%

Facial rejuvenation procedures continue to experience growth, as 2017 marked the highest number of botulinum toxin type A injections to date, with over 7.2 million injections!

#### 2017 Top 5 Reconstructive Procedures

	2017 vs. 2016
Tumor removal (4.5 million)	no change
Laceration repair (253,000)	no change
Maxillofacial surgery (204,000)	↑ 1%
Scar revision (182,000)	↑ 1%
Hand surgery (138,000)	↑ 2%

Tumor removal is overwhelming the top reconstructive procedure performed every year with approximately 4.5 million procedures in 2017!

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## 2017 Quick Facts

### Cosmetic Plastic Surgery Demographic Trends

#### Age

##### 13-19 year olds 2017 vs. 2016

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.

229,000 total cosmetic procedures	no change
66,000 surgical	↓ 1%
163,000 minimally-invasive	no change

##### 20-29 year olds 2017 vs. 2016

827,000 total cosmetic procedures	no change
260,000 surgical	↑ 2%
566,000 minimally-invasive	↓ 1%

##### 30-39 year olds 2017 vs. 2016

2.8 million total cosmetic procedures	↑ 2%
387,000 surgical	↑ 2%
2.5 million minimally-invasive	↑ 2%

##### 40-54 year olds 2017 vs. 2016

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

7.7 million total cosmetic procedures	↑ 2%
564,000 surgical	↑ 1%
7.1 million minimally-invasive	↑ 2%

##### 55 and over 2017 vs. 2016

4.1 million total cosmetic procedures	↑ 2%
384,000 surgical	↓ 1%
3.8 million minimally-invasive	↑ 2%

#### Gender

##### Female 2017 vs. 2016

92% of all cosmetic procedures	
14.5 million total cosmetic procedures	↑ 2%
• 1.4 million surgical	↑ 1%
• 13 million minimally-invasive	↑ 2%

##### Male 2017 vs. 2016

8% of all cosmetic procedures	
1.3 million total cosmetic procedures	↑ 1%
• 214,000 surgical	no change
• 1.1 million minimally-invasive	↑ 1%

#### Ethnic

##### 2017 vs. 2016

Caucasians (12.3 million)	↑ 8%
Hispanics (1.9 million)	↑ 16%
African Americans (1.6 million)	↑ 17%
Asian Americans (1.1 million)	no change

#### 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 million procedures
- Patients having multiple procedures at the same time are up 4%

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\*\*87% of total 2017 breast implants were silicone; 13% were saline.

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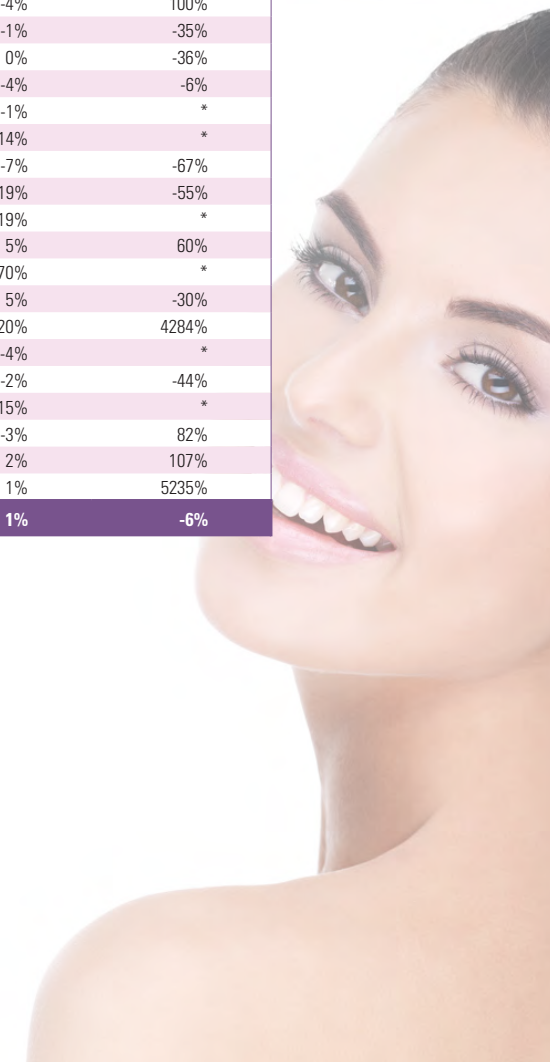
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## 2017 Cosmetic Plastic Surgery Statistics

### Cosmetic Procedure Trends

Top 5 procedures appear in bold.

COSMETIC SURGICAL PROCEDURES	2017	2016	2000	% CHANGE 2017 vs. 2016	% CHANGE 2017 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	<b>300,378</b>	<b>290,467</b>	<b>212,500</b>	3%	41%
Breast implant removals (Augmentation patients only)	27,507	28,467	40,787	-3%	-33%
Breast lift (Mastopexy)	105,219	101,264	52,836	4%	99%
Breast reduction (Aesthetic patients only)****	43,635	39,148	*	11%	*
Breast reduction in men (Gynecomastia)	26,839	27,760	20,351	-3%	32%
Buttock augmentation with fat grafting****	20,301	18,489	*	10%	*
Buttock implants****	1,323	2,999	*	-56%	*
Buttock lift	4,804	4,251	1,356	13%	254%
Calf augmentation****	658	419	*	57%	*
Cheek implant (Malar augmentation)	14,277	13,197	10,427	8%	37%
Chin augmentation (Mentoplasty)	16,136	16,688	26,924	-3%	-40%
Dermabrasion	84,276	88,182	42,218	-4%	100%
Ear surgery (Otoplasty)	23,433	23,709	36,295	-1%	-35%
Eyelid surgery (Blepharoplasty)	<b>209,571</b>	<b>209,020</b>	<b>327,514</b>	0%	-36%
Facelift (Rhytidectomy)	125,697	<b>131,106</b>	<b>133,856</b>	-4%	-6%
Full Facelift	96,438	97,110	*	-1%	*
Mini Facelift	29,259	33,996	*	-14%	*
Forehead lift	39,886	43,038	120,971	-7%	-67%
Hair transplantation	19,979	16,784	44,694	19%	-55%
Labiaplasty ****	10,253	12,666	*	-19%	*
Lip augmentation (other than injectable materials)	29,797	28,430	18,589	5%	60%
Lip reduction****	1,065	3,547	*	-70%	*
Liposuction	<b>246,354</b>	<b>235,237</b>	<b>354,015</b>	5%	-30%
Lower body lift	9,075	11,299	207	-20%	4284%
Neck lift	53,028	55,227	*	-4%	*
Nose reshaping (Rhinoplasty)	<b>218,924</b>	<b>223,018</b>	<b>389,155</b>	-2%	-44%
Pectoral implants****	983	1,153	*	-15%	*
Thigh Lift	9,648	9,929	5,303	-3%	82%
Tummy tuck (Abdominoplasty)	<b>129,753</b>	127,633	62,713	2%	107%
Upper arm lift	18,033	17,860	338	1%	5235%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,790,832</b>	<b>1,780,987</b>	<b>1,901,049</b>	<b>1%</b>	<b>-6%</b>



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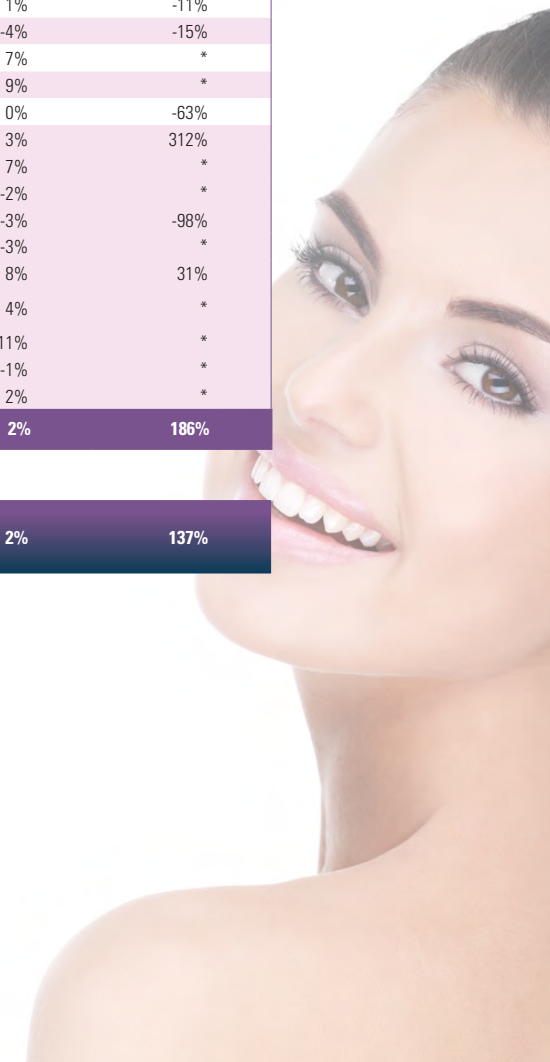
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Margin of error = +/- 4.05%

## 2017 Cosmetic Plastic Surgery Statistics

### Cosmetic Procedure Trends

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2017	2016	2000	% CHANGE 2017 vs. 2016	% CHANGE 2017 vs. 2000
Botulinum Toxin Type A (Botox®, Dysport®, Xeomin®)****	7,230,967	7,056,255	786,911	2%	819%
Cellulite treatment (Velosmooth®, Endermology)	37,034	30,995	23,952	19%	55%
Chemical peel	1,376,703	1,360,850	1,149,457	1%	20%
Injection lipolysis (e.g., Kybella®)	62,587	55,660	*	12%	*
Intense Pulsed Light (IPL) treatment	667,561	656,781	*	2%	*
Laser hair removal	1,086,830	1,109,385	735,996	-2%	48%
Laser skin resurfacing	587,903	586,662	170,951	0%	244%
Ablative	161,670	166,194	*	-3%	*
Non-ablative (Fraxel®, etc.)	426,233	420,468	*	1%	*
Laser treatment of leg veins	218,929	217,179	245,424	1%	-11%
Microdermabrasion	740,287	775,014	868,315	-4%	-15%
Non-invasive fat reduction (e.g., Coolsculpting®, Liposonix®)	356,378	333,082	*	7%	*
Non-surgical skin tightening (e.g., Pelleve®, Thermage®, Ulthera®)	333,334	306,089	*	9%	*
Sclerotherapy	324,340	323,009	866,555	0%	-63%
Soft Tissue Fillers	2,691,265	2,600,868	652,885	3%	312%
Acellular Dermal Matrix****	8,349	7,809	*	7%	*
Calcium hydroxylapatite (Radiesse®)	237,244	242,563	*	-2%	*
Collagen	13,656	14,126	587,615	-3%	-98%
Porcine/bovine-based (Evolve®/Evolve®/Zyplax®)	13,656	14,126	*	-3%	*
Fat	85,685	79,208	65,270	8%	31%
Hyaluronic acid (Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Belotero®)	2,091,476	2,012,672	*	4%	*
Platelet-Rich Plasma (PRP)	113,356	102,101	*	11%	*
Polylactic acid (Sculptra®)	123,860	125,044	*	-1%	*
Polymethyl-methacrylate microspheres (Artefill®)	17,639	17,345	*	2%	*
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>15,714,118</b>	<b>15,411,829</b>	<b>5,500,446</b>	<b>2%</b>	<b>186%</b>
<b>TOTAL COSMETIC PROCEDURES</b>	<b>17,504,950</b>	<b>17,192,816</b>	<b>7,401,495</b>	<b>2%</b>	<b>137%</b>





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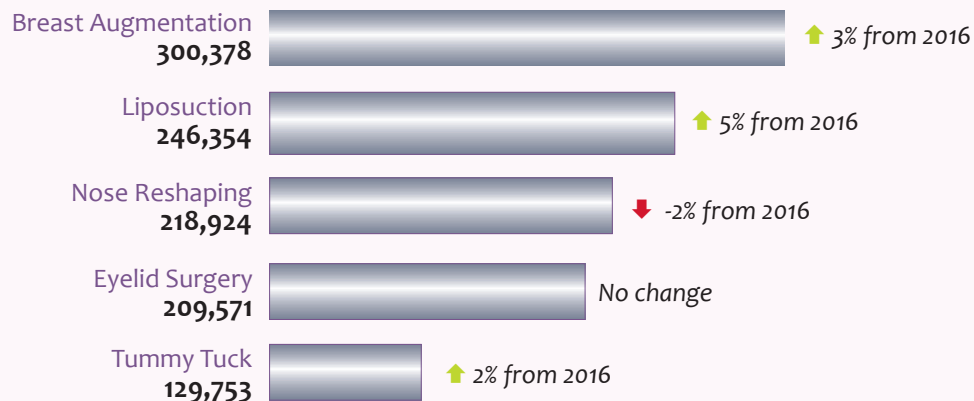
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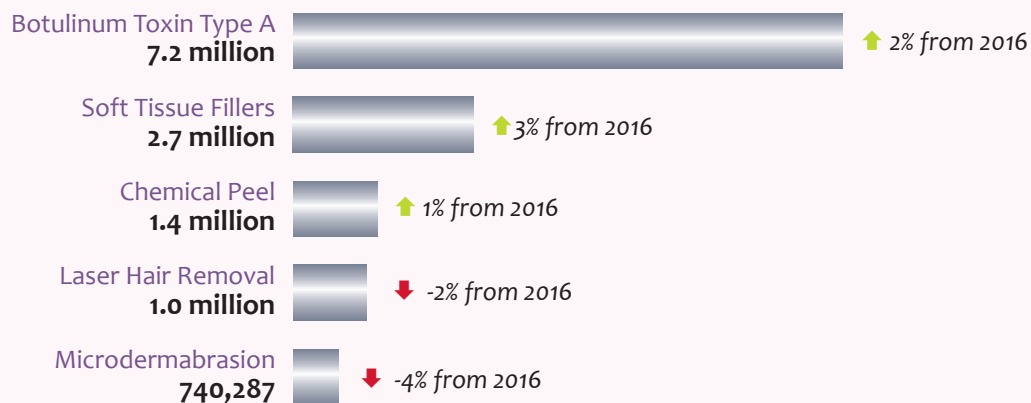
## 2017 Top Five Cosmetic Plastic Surgery Procedures

*Cosmetic Procedure Charts*

### 2017 TOP FIVE COSMETIC SURGICAL PROCEDURES



### 2017 TOP FIVE COSMETIC MINIMALLY-INVASIVE PROCEDURES



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<sup>^</sup>In 2000 figure included all animal bites.

<sup>^^</sup>In 2000 figure included facial laceration repair.

<sup>^^^</sup>In 2017 and 2016 figure includes facial laceration repair.

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# 2017 Reconstructive Plastic Surgery Statistics

## Reconstructive Procedure Trends

Top 5 procedures appear in bold.

RECONSTRUCTIVE PROCEDURES	2017	2016	2000	% CHANGE 2017 vs. 2016	% CHANGE 2017 vs. 2000
Dog bite repair <sup>^</sup>	27,923	28,991	<b>43,089</b>	-4%	-35%
Birth defect (congenital deformities)	31,582	29,959	40,076	5%	-21%
Breast implant removals (Reconstructive patients only) <sup>****</sup>	19,415	18,778	16,287	3%	19%
Breast reconstruction <sup>****</sup>	106,295	109,256	<b>78,832</b>	-3%	35%
Breast reduction (reconstructive patients only)	59,463	61,821	*	-4%	*
Burn care	16,964	16,183	*	5%	*
Hand surgery (excluding microsurgical)	<b>138,095</b>	<b>135,250</b>	*	2%	*
Head and neck reconstruction <sup>****</sup>	27,898	28,496	*	-2%	*
Hernia repair <sup>****</sup>	10,758	9,938	*	8%	*
Laceration repair (other than facial) <sup>^^</sup>	<b>253,760</b>	<b>253,361</b>	<b>358,666</b>	0%	-29%
Lower extremity reconstruction (including microsurgical) <sup>****</sup>	15,625	16,444	*	-5%	*
Maxillofacial surgery <sup>^^^</sup>	<b>204,778</b>	<b>202,688</b>	<b>79,331</b>	1%	158%
Pelvic floor reconstruction <sup>****</sup>	1,592	1,421	*	12%	*
Scar revision	<b>182,321</b>	<b>181,190</b>	<b>221,858</b>	1%	-18%
Tumor removal (including skin cancer)	<b>4,479,033</b>	<b>4,473,238</b>	*	0%	*
Skin cancer tumor removal	3,878,488	3,885,947	*	0%	*
Base cell	2,398,350	2,391,373	*	0%	*
Squamous cell	1,200,906	1,204,846	*	0%	*
Melanoma	279,232	289,728	*	-4%	*
Other reconstructive procedures	258,851	253,993	376,270	2%	-31%
<b>TOTAL RECONSTRUCTIVE PROCEDURES</b>	<b>5,834,353</b>	<b>5,821,007</b>	*	<b>0%</b>	*

### 2017 TOP FIVE RECONSTRUCTIVE PROCEDURES

Tumor Removal  
**4.5 million**  No change

Laceration Repair  
**253,760**  No change

Maxillofacial Surgery  
**204,778**  ↑ 1% from 2016

Scar Revision  
**182,321**  ↑ 1% from 2016

Hand Surgery  
**138,095**  ↑ 2% from 2016

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# 2017 Cosmetic Surgery Gender Distribution

## Female

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	2017 TOTAL PROCEDURES	2017 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2017 vs. 2016	% CHANGE 2017 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	<b>300,378</b>	<b>300,378</b>	100%	3%	41%
Breast implant removals (Augmentation patients only)	27,507	27,507	100%	-3%	-33%
Breast lift (Mastopexy)	105,219	105,219	100%	4%	99%
Breast reduction in men (Gynecomastia)	26,839	0	0%	-	-
Buttock implants	1,323	1,142	86%	-56%	*
Buttock lift	4,804	4,450	93%	13%	240%
Calf augmentation	658	280	43%	54%	*
Cheek implant (Malar augmentation)	14,277	10,497	74%	9%	20%
Chin augmentation (Mentoplasty)	16,136	7,419	46%	0%	-58%
Dermabrasion	84,276	72,639	86%	-5%	160%
Ear surgery (Otoplasty)	23,433	13,307	57%	-2%	-31%
Eyelid surgery (Blepharoplasty)	<b>209,571</b>	<b>177,290</b>	85%	0%	-34%
Facelift (Rhytidectomy)	125,697	113,978	91%	-4%	-4%
Forehead lift	39,886	35,149	88%	-8%	-67%
Hair transplantation	19,979	5,536	28%	17%	36%
Lip augmentation (other than injectable materials)	29,797	28,616	96%	5%	56%
Liposuction	<b>246,354</b>	<b>218,174</b>	89%	5%	-28%
Lower body lift	9,075	8,298	91%	-20%	*
Nose reshaping (Rhinoplasty)	<b>218,924</b>	<b>166,531</b>	76%	-1%	-30%
Pectoral implants	983	0	0%	-	-
Thigh Lift	9,648	9,170	95%	-3%	80%
Tummy tuck (Abdominoplasty)	<b>129,753</b>	<b>124,869</b>	96%	2%	107%
Upper arm lift	18,033	17,667	98%	1%	5127%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,662,550</b>	<b>1,448,116</b>	<b>87%</b>	<b>1%</b>	<b>-4%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2017 TOTAL PROCEDURES	2017 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2017 vs. 2016	% CHANGE 2017 vs. 2000
Botulinum toxin type A (Botox®, Dysport®)***	<b>7,230,967</b>	<b>6,763,207</b>	94%	2%	876%
Cellulite treatment (e.g., Velosmooth®, Endermology)	37,034	31,941	86%	19%	33%
Chemical peel	<b>1,376,703</b>	<b>1,269,278</b>	92%	1%	34%
Laser hair removal	<b>1,086,830</b>	<b>902,462</b>	83%	-1%	50%
Laser skin resurfacing	587,903	514,609	88%	0%	245%
Laser treatment of leg veins	218,929	190,157	87%	1%	-15%
Microdermabrasion	<b>740,287</b>	<b>597,445</b>	81%	-5%	-24%
Sclerotherapy	324,340	320,130	99%	0%	-62%
Soft tissue fillers	<b>2,551,921</b>	<b>2,452,401</b>	96%	3%	307%
Calcium hydroxylapatite (e.g., Radiesse®)	237,244	221,972	94%	-2%	*
Collagen	13,656	12,969	95%	-3%	-98%
Fat	85,685	80,540	94%	8%	31%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,091,476	2,033,006	97%	4%	*
Polyactic acid (Sculptra®)	123,860	103,914	84%	-1%	*
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>14,154,914</b>	<b>13,041,630</b>	<b>92%</b>	<b>2%</b>	<b>168%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>15,817,464</b>	<b>14,489,746</b>	<b>92%</b>	<b>2%</b>	<b>127%</b>
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# 2017 Plastic Surgery Statistics Report



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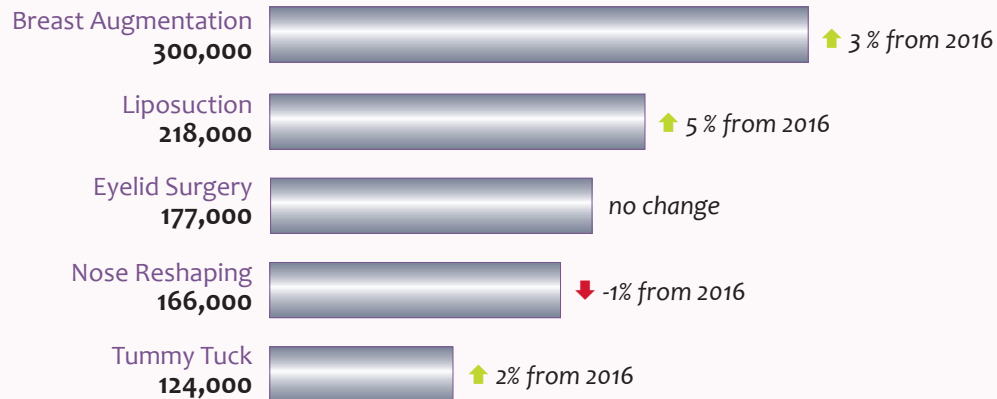
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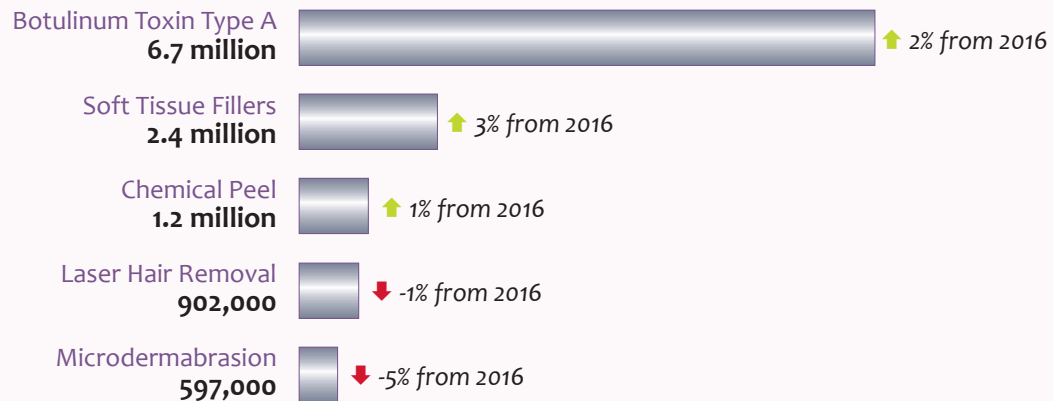
## 2017 Cosmetic Surgery Gender Distribution Charts

*Female*

### 2017 TOP FIVE FEMALE COSMETIC SURGICAL PROCEDURES



### 2017 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  
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## 2017 Cosmetic Surgery Gender Distribution

### Male

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	2017 TOTAL PROCEDURES	2017 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2017 vs. 2016	% CHANGE 2017 vs. 2000
Breast augmentation (augmentation mammoplasty)	<b>300,378</b>	0	0%	-	-
Breast implant removals (augmentation patients only)	27,507	0	0%	-	-
Breast lift (mastopexy)	105,219	0	0%	-	-
Breast reduction in men (gynecomastia)	26,839	<b>26,839</b>	100%	-3%	32%
Buttock implants	1,323	181	14%	-55%	*
Buttock lift	4,804	354	7%	11%	638%
Calf augmentation	658	378	57%	59%	*
Cheek implant (malar augmentation)	14,277	3,780	26%	5%	126%
Chin augmentation (mentoplasty)	16,136	8,717	54%	-6%	-4%
Dermabrasion	84,276	11,637	14%	-3%	-19%
Ear surgery (otoplasty)	23,433	10,126	43%	0%	-41%
Eyelid surgery (blepharoplasty)	<b>209,571</b>	<b>32,281</b>	15%	4%	-44%
Facelift (rhytidectomy)	125,697	11,719	9%	-3%	-23%
Forehead lift	39,886	4,737	12%	-5%	-63%
Hair transplantation	19,979	<b>14,443</b>	72%	20%	-64%
Lip augmentation (other than injectable materials)	29,797	1,181	4%	2%	409%
Liposuction	<b>246,354</b>	<b>28,180</b>	11%	5%	-46%
Lower body lift	9,075	777	9%	-19%	*
Nose reshaping (rhinoplasty)	<b>218,924</b>	<b>52,393</b>	24%	-5%	-65%
Pectoral implants	983	983	100%	-	-
Thigh lift	9,648	478	5%	0%	117%
Tummy tuck (abdominoplasty)	<b>129,753</b>	4,884	4%	0%	113%
Upper arm lift	18,033	366	2%	-1%	*
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,662,550</b>	<b>214,434</b>	<b>13%</b>	<b>0%</b>	<b>-46%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2017 TOTAL PROCEDURES	2017 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2017 vs. 2016	% CHANGE 2017 vs. 2000
Botulinum toxin type A (Botox®, Dysport®)***	<b>7,230,967</b>	<b>467,760</b>	6%	5%	397%
Cellulite treatment (e.g., Velosmooth®, Endermology)	37,034	5,093	14%	22%	*
Chemical peel	<b>1,376,703</b>	<b>107,425</b>	8%	3%	-47%
Laser hair removal	<b>1,086,830</b>	<b>184,368</b>	17%	-5%	38%
Laser skin resurfacing	587,903	73,294	12%	-1%	240%
Laser treatment of leg veins	218,929	28,772	13%	-1%	37%
Microdermabrasion	<b>740,287</b>	<b>142,842</b>	19%	-1%	66%
Sclerotherapy	324,340	4,210	1%	-3%	-84%
Soft tissue fillers	<b>2,551,921</b>	<b>99,520</b>	4%	0%	99%
Calcium hydroxylapatite (e.g., Radiesse®)	237,244	15,272	6%	-3%	*
Collagen	13,656	687	5%	-4%	-99%
Fat	85,685	5,145	6%	6%	31%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,091,476	58,470	3%	1%	*
Poly(lactic acid) (Sculptra®)	123,860	19,946	16%	-3%	*
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>14,154,914</b>	<b>1,113,284</b>	<b>8%</b>	<b>1%</b>	<b>76%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>15,817,464</b>	<b>1,327,718</b>	<b>8%</b>	<b>1%</b>	<b>29%</b>
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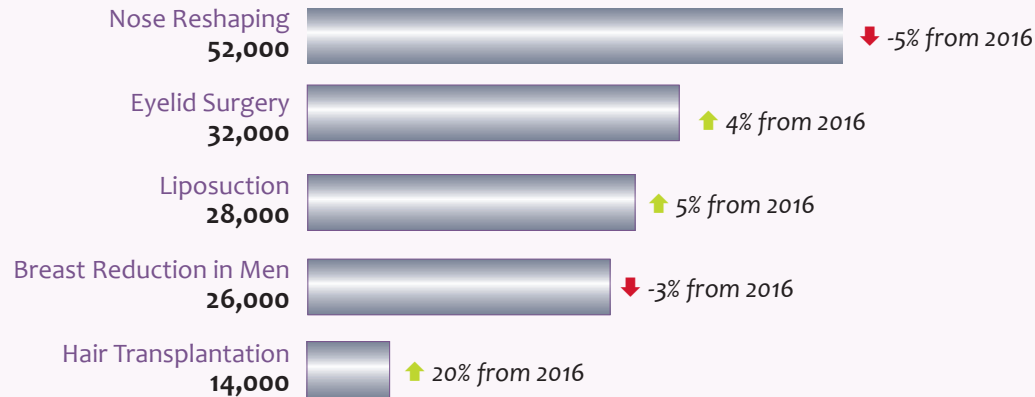
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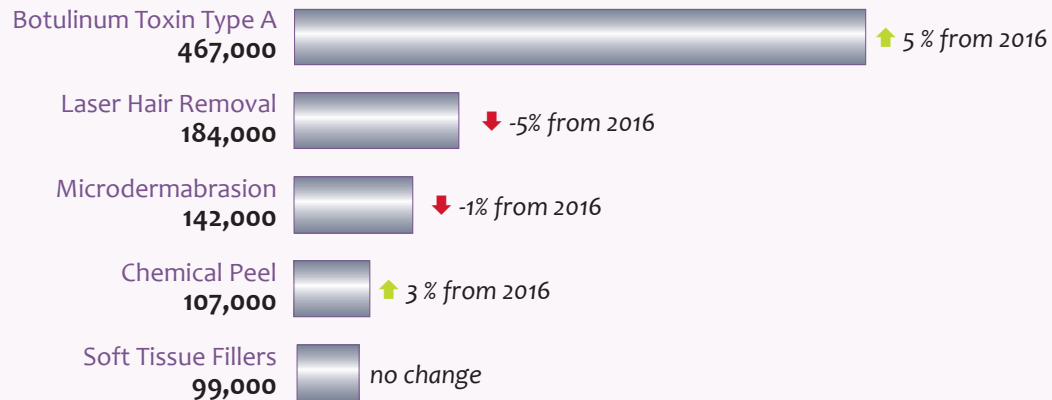
## 2017 Cosmetic Surgery Gender Distribution Charts

*Male*

### 2017 TOP FIVE MALE COSMETIC SURGICAL PROCEDURES



### 2017 TOP FIVE MALE COSMETIC MINIMALLY-INVASIVE PROCEDURES



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^Totals represents only 18 and 19 years olds.

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## 2017 Cosmetic Surgery Age Distribution

Age 13-19

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 13-19 2017 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2017 vs 2016
Breast augmentation (augmentation mammoplasty) <sup>^</sup>	<b>8,435</b>	3%	4%
Breast implant removals (augmentation patients only) <sup>^</sup>	99	0%	-3%
Breast lift (mastopexy)	1,936	2%	5%
Breast reduction in men (gynecomastia)	<b>6,863</b>	26%	-3%
Chin augmentation (mentoplasty)	1,377	9%	-4%
Dermabrasion	3,713	4%	-3%
Ear surgery (otoplasty)	<b>6,610</b>	28%	-1%
Eyelid surgery (blepharoplasty)	1,998	1%	1%
Lip augmentation (other than injectable materials)	288	1%	6%
Liposuction	<b>3,889</b>	2%	4%
Nose reshaping (rhinoplasty)	<b>30,681</b>	14%	-2%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>65,889</b>	<b>4%</b>	<b>-1%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 13-19 2017 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2017 vs 2016
Botulinum Toxin Type A (Botox, Dysport) <sup>***</sup>	<b>20,976</b>	0%	1%
Chemical peel	6,956	1%	0%
Laser hair removal	<b>70,018</b>	6%	-1%
Laser skin resurfacing	<b>28,860</b>	5%	0%
Laser treatment of leg veins	<b>19,958</b>	9%	2%
Microdermabrasion	<b>7,280</b>	1%	-5%
Sclerotherapy	1,793	1%	-1%
Soft Tissue Fillers	7,067	0%	2%
Calcium hydroxylapatite (Radiesse®)	800	0%	-1%
Collagen	46	0%	-4%
Fat	743	1%	8%
Hyaluronic acid (Juvederm Ultra®, Juvederm Ultra Plus®, Perlane, Restylane®)	3,762	0%	3%
Poly-lactic acid (Sculptra®)	1,716	1%	0%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>162,908</b>	<b>1%</b>	<b>0%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>228,797</b>	<b>1%</b>	<b>0%</b>
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## 2017 Cosmetic Surgery Age Distribution

Age 20-29

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 20-29 2017 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2017 vs 2016
Breast augmentation (augmentation mammoplasty)	<b>85,690</b>	29%	4%
Breast implant removals (augmentation patients only)	3,556	13%	-4%
Breast lift (mastopexy)	<b>14,290</b>	14%	4%
Breast reduction in men (gynecomastia)	9,367	35%	-3%
Buttock implants	265	20%	-56%
Buttock lift	595	12%	12%
Calf augmentation	251	38%	57%
Cheek implant (malar augmentation)	1,332	9%	8%
Chin augmentation (mentoplasty)	2,248	14%	-2%
Dermabrasion	5,606	7%	-5%
Ear surgery (otoplasty)	7,100	30%	0%
Eyelid surgery (blepharoplasty)	3,737	2%	1%
Facelift (rhytidectomy)	353	0%	-5%
Forehead lift	222	1%	-8%
Hair transplantation	1,757	9%	20%
Lip augmentation (other than injectable materials)	1,425	5%	5%
Liposuction	<b>38,082</b>	15%	6%
Lower body lift	872	10%	-20%
Nose reshaping (rhinoplasty)	<b>68,624</b>	31%	-2%
Pectoral implants	496	50%	-15%
Thigh lift	594	6%	-3%
Tummy tuck (abdominoplasty)	<b>12,395</b>	10%	2%
Upper arm lift	1,669	9%	2%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>260,526</b>	<b>16%</b>	<b>2%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 20-29 2017 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2017 vs 2016
Botulinum toxin type A (Botox®, Dysport®)***	<b>107,423</b>	1%	1%
Cellulite treatment (e.g., Velosmooth®, Endermology)	8,167	22%	19%
Chemical peel	16,199	1%	0%
Laser hair removal	<b>232,850</b>	21%	-3%
Laser skin resurfacing	<b>32,690</b>	6%	0%
Laser treatment of leg veins	<b>27,844</b>	13%	0%
Microdermabrasion	<b>56,633</b>	8%	-5%
Sclerotherapy	14,224	4%	1%
Soft tissue fillers	<b>70,791</b>	3%	2%
Calcium hydroxylapatite (e.g., Radiesse®)	4,682	2%	-2%
Collagen	639	5%	-2%
Fat	4,209	5%	7%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	54,662	3%	3%
Polyactic acid (Sculptra®)	6,599	5%	0%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>566,821</b>	<b>4%</b>	<b>-1%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>827,347</b>	<b>5%</b>	<b>0%</b>
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## 2017 Cosmetic Surgery Age Distribution

Age 30-39

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 30-39 2017 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2017 vs 2016
Breast augmentation (augmentation mammoplasty)	<b>111,210</b>	37%	2%
Breast implant removals (augmentation patients only)	7,951	29%	-3%
Breast lift (mastopexy)	<b>31,578</b>	30%	3%
Breast reduction in men (gynecomastia)	4,753	18%	-3%
Buttock implants	441	33%	-56%
Buttock lift	1,351	28%	14%
Calf augmentation	265	40%	58%
Cheek implant (malar augmentation)	3,003	21%	9%
Chin augmentation (mentoplasty)	2,135	13%	-3%
Dermabrasion	8,549	10%	-3%
Ear surgery (otoplasty)	4,085	17%	-2%
Eyelid surgery (blepharoplasty)	13,118	6%	0%
Facelift (rhytidectomy)	1,954	2%	-3%
Forehead lift	1,634	4%	-8%
Hair transplantation	1,625	8%	19%
Lip augmentation (other than injectable materials)	3,865	13%	5%
Liposuction	<b>83,040</b>	34%	5%
Lower body lift	2,491	27%	-19%
Nose reshaping (rhinoplasty)	<b>52,208</b>	24%	-1%
Pectoral implants	179	18%	-14%
Thigh lift	2,765	29%	-3%
Tummy tuck (abdominoplasty)	<b>46,295</b>	36%	3%
Upper arm lift	2,608	14%	1%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>387,103</b>	<b>23%</b>	<b>2%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 30-39 2017 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2017 vs 2016
Botulinum toxin type A (Botox®, Dysport®)***	<b>1,306,718</b>	18%	2%
Cellulite treatment (e.g., Velosmooth®, Endermology)	19,799	53%	19%
Chemical peel	<b>181,156</b>	13%	2%
Laser hair removal	<b>317,604</b>	29%	-2%
Laser skin resurfacing	49,629	8%	0%
Laser treatment of leg veins	66,522	30%	2%
Microdermabrasion	<b>169,432</b>	23%	-4%
Sclerotherapy	66,565	21%	1%
Soft tissue fillers	<b>290,791</b>	11%	4%
Calcium hydroxylapatite (e.g., Radiesse®)	19,880	8%	-1%
Collagen	2,141	16%	-2%
Fat	11,077	13%	7%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	243,774	12%	5%
Poly-lactic acid (Sculptra®)	13,919	11%	0%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>2,468,216</b>	<b>17%</b>	<b>2%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>2,855,319</b>	<b>18%</b>	<b>2%</b>
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## 2017 Cosmetic Surgery Age Distribution

Age 40-54

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 40-54 2017 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2017 vs 2016
Breast augmentation (augmentation mammoplasty)	<b>87,623</b>	29%	3%
Breast implant removals (augmentation patients only)	11,543	42%	-3%
Breast lift (mastopexy)	40,724	39%	4%
Breast reduction in men (gynecomastia)	3,567	13%	-3%
Buttock implants	521	39%	-56%
Buttock lift	2,001	42%	12%
Calf augmentation	100	15%	56%
Cheek implant (malar augmentation)	6,237	44%	8%
Chin augmentation (mentoplasty)	3,983	25%	-4%
Dermabrasion	32,568	39%	-3%
Ear surgery (otoplasty)	3,423	15%	-2%
Eyelid surgery (blepharoplasty)	<b>88,364</b>	42%	-1%
Facelift (rhytidectomy)	41,847	33%	-3%
Forehead lift	15,869	40%	-8%
Hair transplantation	4,176	21%	19%
Lip augmentation (other than injectable materials)	10,814	36%	6%
Liposuction	<b>96,091</b>	39%	4%
Lower body lift	3,925	43%	-20%
Nose reshaping (rhinoplasty)	<b>45,765</b>	21%	-2%
Pectoral implants	192	20%	-14%
Thigh lift	4,598	48%	-3%
Tummy tuck (abdominoplasty)	<b>52,934</b>	41%	0%
Upper arm lift	7,714	43%	2%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>564,579</b>	<b>34%</b>	<b>1%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 40-54 2017 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2017 vs 2016
Botulinum toxin type A (Botox®, Dysport®)***	<b>4,136,368</b>	57%	2%
Cellulite treatment (e.g., Velosmooth®, Endermology)	9,052	24%	21%
Chemical peel	<b>579,782</b>	42%	2%
Laser hair removal	<b>395,291</b>	36%	-2%
Laser skin resurfacing	241,934	41%	0%
Laser treatment of leg veins	68,128	31%	1%
Microdermabrasion	<b>331,463</b>	45%	-4%
Sclerotherapy	156,573	48%	-1%
Soft tissue fillers	<b>1,254,138</b>	49%	3%
Calcium hydroxylapatite (e.g., Radiesse®)	93,222	39%	-2%
Collagen	4,795	35%	-4%
Fat	28,533	33%	7%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	1,056,538	51%	4%
Poly lactic acid (Sculptra®)	71,050	57%	-1%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>7,172,729</b>	<b>51%</b>	<b>2%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>7,737,308</b>	<b>49%</b>	<b>2%</b>
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# 2017 Plastic Surgery Statistics Report



AMERICAN SOCIETY OF  
PLASTIC SURGEONS®

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All values are projected.  
\*\*\*Botulinum toxin type A numbers are of anatomic sites injected.

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## 2017 Cosmetic Surgery Age Distribution

Age 55 and over

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 55 AND OVER 2017 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2017 vs 2016
Breast augmentation (augmentation mammoplasty)	7,420	2%	4%
Breast implant removals (augmentation patients only)	4,358	16%	-4%
Breast lift (mastopexy)	16,691	16%	5%
Breast reduction in men (gynecomastia)	2,289	9%	-3%
Buttock implants	96	7%	-56%
Buttock lift	857	18%	14%
Calf augmentation	42	6%	56%
Cheek implant (malar augmentation)	3,705	26%	8%
Chin augmentation (mentoplasty)	6,393	40%	-3%
Dermabrasion	<b>33,840</b>	40%	-6%
Ear surgery (otoplasty)	2,215	9%	-2%
Eye lid surgery (blepharoplasty)	<b>102,354</b>	49%	1%
Facelift (rhytidectomy)	<b>81,543</b>	65%	-5%
Forehead lift	<b>22,161</b>	56%	-7%
Hair transplantation	12,421	62%	19%
Lip augmentation (other than injectable materials)	13,405	45%	4%
Liposuction	<b>25,252</b>	10%	5%
Lower body lift	1,787	20%	-20%
Nose reshaping (rhinoplasty)	21,646	10%	-3%
Pectoral implants	116	12%	-16%
Thigh lift	1,691	18%	-3%
Tummy tuck (abdominoplasty)	18,129	14%	3%
Upper arm lift	6,042	34%	0%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>384,453</b>	<b>23%</b>	<b>-1%</b>

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 55 AND OVER 2017 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2017 vs 2016
Botulinum toxin type A (Botox®, Dysport®)***	<b>1,659,482</b>	23%	4%
Cellulite treatment (e.g., Velosmooth®, Endermology)	16	0%	23%
Chemical peel	<b>592,610</b>	43%	0%
Laser hair removal	71,067	7%	-1%
Laser skin resurfacing	<b>234,790</b>	40%	0%
Laser treatment of leg veins	36,477	17%	0%
Microdermabrasion	<b>175,479</b>	24%	-5%
Sclerotherapy	85,185	26%	1%
Soft tissue fillers	<b>929,134</b>	36%	3%
Calcium hydroxylapatite (e.g., Radiesse®)	118,660	50%	-2%
Collagen	6,035	44%	-3%
Fat	41,123	48%	9%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	732,740	35%	4%
Poly lactic acid (Sculptra®)	30,576	25%	-2%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>3,784,240</b>	<b>27%</b>	<b>2%</b>

<b>TOTAL COSMETIC PROCEDURES</b>	<b>4,168,693</b>	<b>26%</b>	<b>2%</b>
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# 2017 Regional Distribution

Top 5 procedures appear in bold

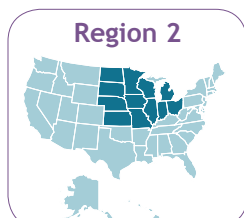
COSMETIC SURGICAL PROCEDURES	TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5
Breast augmentation (augmentation mammoplasty)	<b>300,378</b>	<b>44,748</b> 15%	<b>50,736</b> 17%	<b>47,508</b> 16%	<b>49,225</b> 16%	<b>108,161</b> 36%
Breast implant removals (augmentation patients only)	27,507	5,463 20%	4,645 17%	5,825 21%	5,786 21%	5,788 21%
Breast lift (mastopexy)	105,219	13,344 13%	15,347 15%	21,726 21%	<b>21,773</b> 21%	33,029 31%
Breast reduction (Aesthetic patiebtbs only)	43,635	7,114 16%	12,490 29%	6,502 15%	8,897 20%	8,632 20%
Breast reduction in men (gynecomastia)	26,839	8,891 33%	4,588 17%	4,299 16%	3,151 12%	5,910 22%
Buttock augmentation with fat grafting	20,301	4,596 23%	5,767 28%	4,145 20%	3,420 17%	2,373 12%
Buttock implants	1,323	203 15%	183 14%	374 28%	304 23%	259 20%
Buttock lift	4,804	1,148 24%	1,561 32%	867 18%	688 14%	540 11%
Calf augmentation	658	194 29%	66 10%	184 28%	79 12%	135 21%
Cheek implant (malar augmentation)	14,277	2,622 18%	1,306 9%	2,825 20%	6,208 43%	1,316 9%
Chin augmentation (mentoplasty)	16,136	3,762 23%	2,340 15%	2,417 15%	1,761 11%	5,856 36%
Dermabrasion	84,276	10,335 12%	<b>25,659</b> 30%	18,335 22%	9,721 12%	20,226 24%
Ear surgery (otoplasty)	23,433	4,548 19%	4,546 19%	3,547 15%	3,765 16%	7,027 30%
Eyelid surgery (blepharoplasty)	<b>209,571</b>	<b>37,788</b> 18%	<b>28,584</b> 14%	<b>46,341</b> 22%	<b>25,721</b> 12%	71,137 34%
Facelift (rhytidectomy)	125,697	24,753 20%	14,860 12%	<b>28,422</b> 23%	18,105 14%	<b>39,557</b> 31%
Full Facelift	96,438	18,902 20%	11,427 12%	21,755 23%	13,955 14%	30,399 32%
Mini Facelift	29,259	5,851 20%	3,433 12%	6,667 23%	4,150 14%	9,158 31%
Forehead lift	39,886	6,318 16%	5,541 14%	6,873 17%	7,580 19%	13,574 34%
Hair transplantation	19,979	1,921 10%	1,981 10%	2,296 11%	9,264 46%	4,517 23%
Labiaplasty	10,253	2,060 20%	1,640 16%	2,331 23%	1,324 13%	2,898 28%
Lip augmentation (other than injectable materials)	29,797	7,976 27%	5,030 17%	4,966 17%	5,935 20%	5,890 20%
Lip reduction	1,065	189 18%	383 36%	199 19%	153 14%	141 13%
Liposuction	<b>246,354</b>	<b>43,335</b> 18%	<b>32,345</b> 13%	<b>55,559</b> 23%	<b>37,807</b> 15%	<b>77,308</b> 31%
Lower body lift	9,075	2,721 30%	1,400 15%	968 11%	1,908 21%	2,078 23%
Neck lift	53,028	10,208 19%	6,464 12%	11,111 21%	8,298 16%	16,947 32%
Nose reshaping (rhinoplasty)	<b>218,924</b>	<b>63,538</b> 29%	<b>30,188</b> 14%	<b>27,017</b> 12%	<b>39,171</b> 18%	<b>59,010</b> 27%
Pectoral implants	983	155 16%	102 10%	275 28%	175 18%	276 28%
Thigh lift	9,648	2,371 25%	1,522 16%	1,364 14%	1,869 19%	2,522 26%
Tummy tuck (abdominoplasty)	<b>129,753</b>	<b>25,668</b> 20%	23,740 18%	22,197 17%	21,624 17%	<b>36,524</b> 28%
Upper arm lift	18,033	5,251 29%	2,524 14%	3,791 21%	2,499 14%	3,968 22%
<b>TOTAL COSMETIC SURGICAL PROCEDURES</b>	<b>1,790,832</b>	<b>341,220</b> 19%	<b>285,538</b> 16%	<b>332,264</b> 19%	<b>296,211</b> 17%	<b>535,599</b> 30%

## 2017 Plastic Surgery Statistics Report



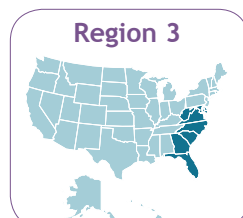
Region 1

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



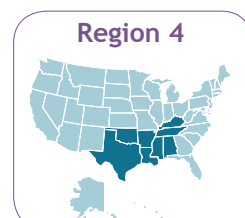
Region 2

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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# 2017 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®)***	<b>7,230,967</b>	<b>1,454,427</b> 20%	<b>953,302</b> 13%	<b>1,725,730</b> 24%	<b>1,016,448</b> 14%	<b>2,081,060</b> 29%
Cellulite treatment (e.g., Velosmooth®, Endermology)	37,034	8,326 22%	8,279 22%	7,395 20%	4,217 11%	8,817 24%
Chemical peel	<b>1,376,703</b>	<b>338,960</b> 25%	<b>204,270</b> 15%	<b>269,792</b> 20%	<b>122,808</b> 9%	<b>440,873</b> 32%
Injection lipolysis (e.g., Kybella®)	62,587	11,698 19%	12,223 20%	13,288 21%	8,279 13%	17,099 27%
Intense pulsed light (IPL)	667,561	180,141 27%	102,917 15%	120,733 18%	59,890 9%	<b>203,880</b> 31%
Laser hair removal	<b>1,086,830</b>	<b>190,361</b> 18%	<b>142,007</b> 13%	<b>232,651</b> 21%	<b>170,113</b> 16%	<b>351,698</b> 32%
Laser skin resurfacing	587,903	115,831 20%	130,392 22%	94,287 16%	57,128 10%	190,265 32%
Laser treatment of leg veins	218,929	53,791 25%	22,903 10%	35,140 16%	23,966 11%	83,129 38%
Microdermabrasion	<b>740,287</b>	<b>187,461</b> 25%	<b>143,417</b> 19%	<b>153,631</b> 21%	86,730 12%	169,048 23%
Non-invasive fat reduction (e.g., Coolsculpting®, Liposonix®)	356,378	73,973 21%	47,492 13%	83,423 23%	50,320 14%	101,170 28%
Non-surgical skin tightening (e.g., Pelleve®, Thermage®, Ulthera®)	333,334	66,410 20%	45,895 14%	78,283 23%	45,440 14%	97,306 29%
Sclerotherapy	324,340	49,830 15%	37,628 12%	68,265 21%	<b>121,137</b> 37%	47,480 15%
Soft tissue fillers	<b>2,691,265</b>	<b>773,691</b> 29%	<b>352,432</b> 13%	<b>506,561</b> 19%	<b>284,576</b> 11%	<b>774,005</b> 29%
Acellular Dermal Matrix	8,349	1,487 18%	1,789 21%	1,800 22%	1,049 13%	2,224 27%
Calcium hydroxylapatite (e.g., Radiesse®)	237,244	79,168 33%	35,281 15%	45,938 19%	35,490 15%	41,367 17%
Collagen	13,656	6,905 51%	915 7%	2,263 17%	1,582 12%	1,991 15%
Fat	85,685	14,596 17%	15,914 19%	20,277 24%	6,743 8%	28,155 33%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,091,476	629,838 30%	255,363 12%	385,296 18%	177,836 9%	643,143 31%
Platelet-Rich Plasma (PRP)	113,356	23,797 21%	14,656 13%	26,146 23%	16,597 15%	32,160 28%
Polyactic acid (Sculptra®)	123,860	14,873 12%	27,553 22%	18,801 15%	44,109 36%	18,524 15%
Polymethyl-methacrylate microspheres (e.g., Artefill)	17,639	3,027 17%	961 5%	6,040 34%	1,170 7%	6,441 37%
<b>TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES</b>	<b>15,714,118</b>	<b>3,504,900</b> 22%	<b>2,203,157</b> 14%	<b>3,389,179</b> 22%	<b>2,051,052</b> 13%	<b>4,565,830</b> 29%
<b>TOTAL COSMETIC PROCEDURES</b>	<b>17,504,950</b>	<b>3,846,120</b> 22%	<b>2,488,695</b> 14%	<b>3,721,443</b> 21%	<b>2,347,263</b> 13%	<b>5,101,429</b> 29%

RECONSTRUCTIVE PROCEDURES	TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5
Breast reconstruction	106,295	20,901 20%	17,952 17%	22,288 21%	22,583 21%	22,571 21%

## 2017 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.

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, 2018

# 2017 Plastic Surgery Statistics Report



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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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## 2017 Average Surgeon/Physician Fees

### Cosmetic Procedures

COSMETIC SURGICAL PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Breast augmentation (Augmentation mammoplasty)	\$3,718	\$1,116,805,404
Breast implant removals (Augmentation patients only)	\$2,357	\$64,838,783
Breast lift (Mastopexy)	\$4,672	\$491,583,168
Breast reduction (Aesthetic patients only)	\$5,482	\$239,207,070
Breast reduction in men (Gynecomastia)	\$3,641	\$97,720,799
Buttock augmentation with fat grafting	\$4,096	\$83,152,896
Buttock implants	\$4,884	\$6,461,532
Buttock lift	\$5,113	\$24,562,852
Calf augmentation	\$3,707	\$2,439,206
Cheek implant (Malar augmentation)	\$2,837	\$40,503,849
Chin augmentation (Mentoplasty)	\$2,236	\$36,080,096
Dermabrasion	\$1,170	\$98,602,920
Ear surgery (Otoplasty)	\$2,909	\$68,166,597
Eyelid surgery (Blepharoplasty)	\$3,026	\$634,161,846
Facelift (Rhytidectomy)	\$7,448	\$936,191,256
Full Facelift	\$7,052	\$680,080,776
Mini Facelift	\$4,752	\$139,038,768
Forehead lift	\$3,374	\$134,575,364
Hair transplantation	*	*
Labiaplasty	\$2,984	\$30,594,952
Lip augmentation (other than injectable materials)	\$1,665	\$49,612,005
Lip reduction	\$1,943	\$2,069,295
Liposuction	\$3,374	\$831,198,396
Lower body lift	\$7,679	\$69,686,925
Neck lift	\$4,819	\$255,541,932
Nose reshaping (Rhinoplasty)	\$5,125	\$1,121,985,500
Pectoral implants	\$4,196	\$4,124,668
Thigh Lift	\$4,857	\$46,860,336
Tummy tuck (Abdominoplasty)	\$5,992	\$777,479,976
Upper arm lift (Brachioplasty)	\$4,223	\$76,153,359

COSMETIC MINIMALLY-INVASIVE PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Botulinum Type A toxin injections (e.g., Botox®, Dysport®)	\$385	\$2,783,922,295
Cellulite treatment (e.g., Velosmooth®, Endermology)	*	*
Chemical peel	\$698	\$960,938,694
Injection lipolysis (e.g., Kybella®)	\$1,149	\$71,912,463
Intense Pulsed Light (IPL)	\$392	\$261,683,912
Laser hair removal	\$293	\$318,441,190
Laser skin resurfacing	-	-
Ablative	\$2,124	\$343,387,080
Non-ablative (e.g., Fraxel®, etc.)	\$1,114	\$474,823,562
Laser treatment of leg veins	\$400	\$87,571,600
Microdermabrasion	\$137	\$101,419,319
Non-invasive fat reduction (e.g., Coolsculpting®, Liposonix®)	\$1,481	\$527,795,818
Non-surgical skin tightening (e.g., Pelleve®, Thermage®, Ulthera®)	\$2,060	\$686,668,040
Sclerotherapy	\$322	\$104,437,480
Soft Tissue Fillers	-	-
Acellular Dermal Matrix	*	*
Calcium hydroxylapatite (e.g., Radiesse®)	\$662	\$157,055,528
Collagen	-	-
Porcine/bovine-based (e.g., Evolence®, Zyderm®, Zyplast®)	*	*
Fat	\$1,951	\$167,171,435
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®)	\$682	\$1,426,386,632
Platelet-Rich Plasma (PRP)	*	*
Polylactic acid (e.g., Sculptra®)	\$903	\$111,845,580
Polymethyl-methacrylate microspheres (e.g., Artefill®)	\$855	\$15,081,345
<b>Total 2017 Expenditures</b>		<b>\$16,760,022,499</b>

# 2017 Plastic Surgery Statistics Report



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\*Due to a methodologic change, projection is not comparable to prior years

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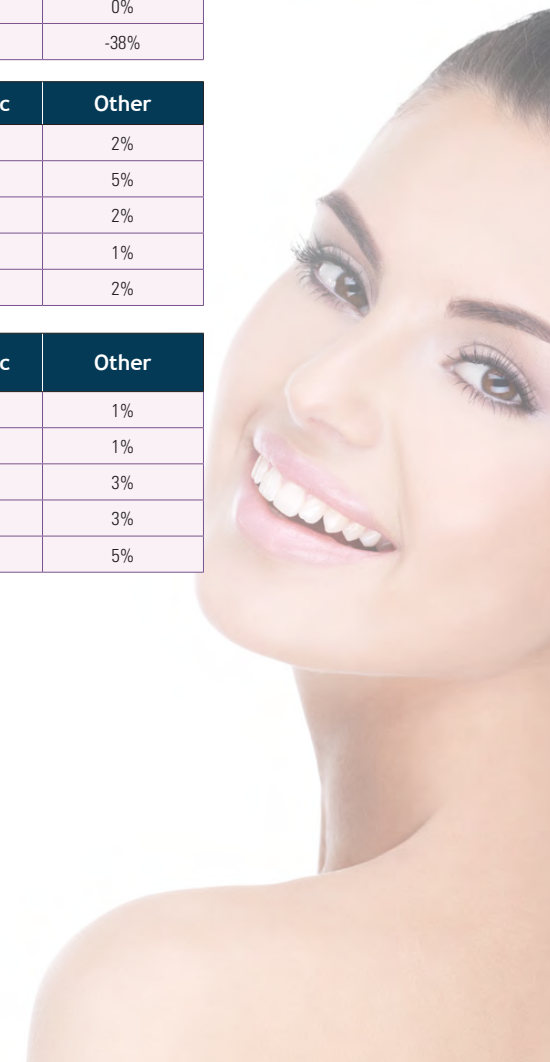
## 2017 Cosmetic Demographics

Patient behavior	2017	% 2017	2016	% 2016	% CHANGE 2017 vs. 2016
Cosmetic Patients who are repeat patients		45%		48%	
Patients having multiple cosmetic procedures at the same time		41%		42%	

Ethnicity breakdown of cosmetic procedures	2017	% 2017	2016	% 2016	% CHANGE 2017 vs. 2016
Caucasian	12,335,710	70%	11,392,019	70%	8%
Hispanic	1,911,652	11%	1,654,228	10%	16%
African-American	1,593,506	9%	1,367,616	8%	17%
Asian-American	1,150,603	7%	1,154,084	7%	0%
Other	513,479	3%	822,828	5%	-38%

Cosmetic surgical procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast Augmentation	76%	6%	5%	11%	2%
Rhinoplasty	75%	6%	4%	10%	5%
Blepharoplasty	83%	3%	6%	7%	2%
Liposuction	77%	8%	4%	10%	1%
Abdominoplasty	70%	11%	5%	12%	2%

Cosmetic minimally-invasive procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Botulinum toxin type A (Botox®, Dysport®)	80%	4%	5%	10%	1%
Soft tissue fillers	81%	5%	4%	8%	1%
Chemical peel	83%	3%	5%	7%	3%
Laser hair removal	78%	6%	5%	8%	3%
Microdermabrasion	77%	5%	5%	9%	5%



# 2017 Plastic Surgery Statistics Report



AMERICAN SOCIETY OF  
PLASTIC SURGEONS®

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

†Due to a methodologic change, projection is not comparable to prior years

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## 2017 Reconstructive Demographics

Reconstructive procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast reconstruction	71.1%	13.7%	3.2%	10.4%	1.6%
Burn care	69.7%	13.2%	4.2%	9.5%	3.5%
Cleft Lip & Palate Repair	46.5%	4.2%	10.5%	25.1%	13.6%
Tumor removal	76.2%	8.6%	4.1%	8.5%	2.6%
Treatment of dog bites	72.4%	10.5%	2.9%	12.5%	1.6%

## 2017 Reconstructive Breast Procedures

(with age distribution)

RECONSTRUCTIVE BREAST PROCEDURES	TOTAL PROCEDURES	13-19	20-29	30-39	40-54	55 AND OVER
Breast reconstruction*	106,295	511	2,561	12,160	54,679	36,384
Saline implants	4,400	-	-	-	-	-
Silicone implants	82,579	-	-	-	-	-
Implant alone	12,246	-	-	-	-	-
Tissue expander and implant	74,733	-	-	-	-	-
TRAM flap	4,194	-	-	-	-	-
DIEP flap	9,495	-	-	-	-	-
Latissimus Dorsi flap	4,589	-	-	-	-	-
Other flap	1,038	-	-	-	-	-
Timing-Immediate	78,511	-	-	-	-	-
Timing-Delayed	27,784	-	-	-	-	-
Unilateral	35,965	-	-	-	-	-
Bilateral	70,330	-	-	-	-	-
Acellular dermal matrix	59,774	-	-	-	-	-
Fat grafts	31,862	-	-	-	-	-
Breast reduction (reconstructive patients only)	59,198	-	-	-	-	-
Breast implant removals (Reconstructive patients only)	19,415	145	1,153	3,722	8,881	5,514



# 2017 Plastic Surgery Statistics Report



AMERICAN SOCIETY OF  
PLASTIC SURGEONS®

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All values are projected.

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

ASPS procedural statistics represent procedures performed by ASPS Member Surgeons certified by The American Board of Plastic Surgery® ©ASPS, 2018

## 2017 Body Contouring After Massive Weight Loss

BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES	2017	2016	% CHANGE 2017 vs. 2016
Breast lift (Mastopexy) after massive weight loss	14,811	13,174	12%
Lower body lift after massive weight loss	6,407	6,449	-1%
Thigh lift after massive weight loss	3,864	4,778	-19%
Tummy tuck (Abdominoplasty) after massive weight loss	22,944	23,985	-4%
Upper arm lift after massive weight loss	7,249	6,859	6%
<b>TOTAL BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES</b>	<b>55,275</b>	<b>55,245</b>	<b>0%</b>

## 2017 Gender Confirmation Surgery Statistics

GENDER CONFIRMATION SURGERIES	2017	2016	% CHANGE 2017 vs. 2016
Transfeminine (Male to Female) patients****	2,483	1,759	41%
Transmasculine (Female to Male) patients****	5,821	1,497	289%
<b>TOTAL GENDER CONFIRMATION SURGERIES</b>	<b>8,304</b>	<b>3,256</b>	<b>155%</b>

