

Plastic Surgery Statistics Report



AMERICAN SOCIETY OF
PLASTIC SURGEONS®

2016

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

ASPS Public Relations

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About the American Society of Plastic Surgeons

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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 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 24,600 ABMS board-certified physicians (An online and faxed version of the questionnaire were made available. A total of 513 active physicians returned questionnaires. Overall, 703 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 ± 4.28 percent margin of error.

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2016 Quick Facts

Cosmetic and Reconstructive Plastic Surgery Trends

Percentage change 2016 vs. 2015

- 17.1 million cosmetic procedures** ↑ 3%
- **1.7 million cosmetic surgical procedures** ↑ 4%
- **15.4 million cosmetic minimally-invasive procedures** ↑ 3%
- 5.8 million reconstructive procedures** ↑ no change

2016 Top 5 Cosmetic Surgical Procedures

	2016 vs. 2015
Breast augmentation (290,000)	↑ 4%
Liposuction (235,000)	↑ 6%
Nose Reshaping (223,000)	↑ 2%
Eyelid surgery (209,000)	↑ 2%
Face Lift (131,000)	↑ 4%

Breast augmentation continues to be the top cosmetic surgical procedure and has been since 2006. Silicone implants were used in 84%, and saline implants in 16%, of all breast augmentations in 2016.

Cosmetic surgical procedures, not among the Top 5, with notable gains in 2016 include:

- Buttock augmentation w/ fat grafting – up 26%
- Lower body lift – up 34%
- Labiaplasty – up 39%

2016 Top 5 Cosmetic Minimally-Invasive Procedures

	2016 vs. 2015
Botulinum toxin type A (7.0 million)	↑ 4%
Soft tissue fillers (2.6 million)	↑ 2%
Chemical peel (1.3 million)	↑ 4%
Laser hair removal (1.1 million)	↓ 1%
Microdermabrasion (775,000)	↓ 3%

Facial rejuvenation procedures continue to experience growth, as 2016 marked the highest number of botulinum toxin type A injections to date, with over 7 million injections!

2016 Top 5 Reconstructive Procedures

	2016 vs. 2015
Tumor removal (4.5 million)	no change
Laceration repair (253,000)	no change
Maxillofacial surgery (202,000)	↑ 1%
Scar revision (181,000)	↑ 1%
Hand surgery (135,000)	↑ 4%

Tumor removal is overwhelming the top reconstructive procedure performed every year with more than 4.5 million procedures in 2016!

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2016 Quick Facts

Cosmetic Plastic Surgery Demographic Trends

Age

13-19 year olds 2016 vs. 2015

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 ↑ 1%

66,000 surgical ↑ 3%

163,000 minimally-invasive ↑ 1%

20-29 year olds 2016 vs. 2015

829,000 total cosmetic procedures ↑ 2%

256,000 surgical ↑ 3%

572,000 minimally-invasive ↑ 1%

30-39 year olds 2016 vs. 2015

2.8 million total cosmetic procedures ↑ 4%

380,000 surgical ↑ 4%

2.4 million minimally-invasive ↑ 3%

40-54 year olds 2016 vs. 2015

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

7.6 million total cosmetic procedures ↑ 3%

561,000 surgical ↑ 3%

7.0 million minimally-invasive ↑ 3%

55 and over 2016 vs. 2015

4.1 million total cosmetic procedures ↑ 3%

387,000 surgical ↑ 4%

3.7 million minimally-invasive ↑ 3%

Gender

Female 2016 vs. 2015

92% of all cosmetic procedures

14.2 million total cosmetic procedures ↑ 1%

• 1.4 million surgical ↑ 4%

• 12.8 million minimally-invasive ↑ 3%

Male 2016 vs. 2015

8% of all cosmetic procedures

1.3 million total cosmetic procedures ↑ 3%

• 214,000 surgical ↑ 3%

• 1.1 million minimally-invasive ↑ 3%

Ethnic

2016 vs. 2015

Caucasians (11.3 million) ↑ 4%

Hispanics (1.6 million) ↓ 2%

African Americans (1.3 million) no change

Asian Americans (1.1 million) ↑ 6%

Did you know...

- \$16.4 billion was spent on cosmetic procedures in the U.S.
- Office-based cosmetic procedures are up 3%
- Region with the most cosmetic procedures performed in the U.S. is Mountain/Pacific – 5 million procedures

2016 Cosmetic Plastic Surgery Statistics

Cosmetic Procedure Trends

Top 5 procedures appear in bold.

COSMETIC SURGICAL PROCEDURES	2016	2015	2000	% CHANGE 2016 vs. 2015	% CHANGE 2016 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	290,467	279,143	212,500	4%	37%
Breast implant removals (Augmentation patients only)	28,467	24,661	40,787	15%	-30%
Breast lift (Mastopexy)	101,264	99,614	52,836	2%	92%
Breast reduction (Aesthetic patients only)****	39,148	40,650	*	-4%	*
Breast reduction in men (Gynecomastia)	27,760	27,456	20,351	1%	36%
Buttock augmentation with fat grafting****	18,489	14,705	*	26%	*
Buttock implants****	2,999	2,540	*	18%	*
Buttock lift	4,251	4,767	1,356	-11%	213%
Calf augmentation****	419	514	*	-18%	*
Cheek implant (Malar augmentation)	13,197	12,668	10,427	4%	27%
Chin augmentation (Mentoplasty)	16,688	17,451	26,924	-4%	-38%
Dermabrasion	88,182	87,216	42,218	1%	109%
Ear surgery (Otoplasty)	23,709	22,714	36,295	4%	-35%
Eyelid surgery (Blepharoplasty)	209,020	203,934	327,514	2%	-36%
Facelift (Rhytidectomy)	131,106	125,711	133,856	4%	-2%
Full Facelift	97,110	96,727	*	0%	*
Mini Facelift	33,996	28,984	*	17%	*
Forehead lift	43,038	40,450	120,971	6%	-64%
Hair transplantation	16,784	15,610	44,694	8%	-62%
Labiaplasty ****	12,666	9,138	*	39%	*
Lip augmentation (other than injectable materials)	28,430	27,449	18,589	4%	53%
Lip reduction****	3,547	927	*	283%	*
Liposuction	235,237	222,051	354,015	6%	-34%
Lower body lift	11,299	8,431	207	34%	5358%
Neck lift	55,227	54,281	*	2%	*
Nose reshaping (Rhinoplasty)	223,018	217,979	389,155	2%	-43%
Pectoral implants****	1,153	926	*	25%	*
Thigh Lift	9,929	9,192	5,303	8%	87%
Tummy tuck (Abdominoplasty)	127,633	127,967	62,713	0%	104%
Upper arm lift	17,860	17,099	338	4%	5184%
TOTAL COSMETIC SURGICAL PROCEDURES^****	1,780,987	1,715,244	1,901,049	4%	-6%

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* Data unavailable in prior year.

**84% of total 2016 breast implants were silicone; 16% were saline.

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

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

*****The number of procedures in 2015 has been updated to include new procedures.

†First year procedure is being reported.

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2016 Cosmetic Plastic Surgery Statistics

Cosmetic Procedure Trends

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2016	2015	2000	% CHANGE 2016 vs. 2015	% CHANGE 2016 vs. 2000
Botulinum Toxin Type A (Botox®, Dysport®, Xeomin®)****	7,056,255	6,757,198	786,911	4%	797%
Cellulite treatment (Velosmooth®, Endermology)	30,995	30,810	23,952	1%	29%
Chemical peel	1,360,850	1,310,252	1,149,457	4%	18%
Injection lipolysis (e.g., Kybella®)†	55,660	47,333	*	18%	*
Intense Pulsed Light (IPL) treatment	656,781	646,592	*	2%	*
Laser hair removal	1,109,385	1,116,708	735,996	-1%	51%
Laser skin resurfacing	586,662	569,458	170,951	3%	243%
Ablative	166,194	159,795	*	4%	*
Non-ablative (Fraxel®, etc.)	420,468	409,663	*	3%	*
Laser treatment of leg veins	217,179	207,862	245,424	4%	-12%
Microdermabrasion	775,014	800,340	868,315	-3%	-11%
Non-invasive fat reduction (e.g., Coolsculpting®, Liposonix®)†	333,082	318,144	*	5%	*
Non-surgical skin tightening (e.g., Pelleve®, Thermage®, Ulthera®)†	306,089	291,821	*	5%	*
Sclerotherapy	323,009	322,280	866,555	0%	-63%
Soft Tissue Fillers	2,600,868	2,550,987	652,885	2%	298%
Acellular Dermal Matrix*****	7,809	9,544	*	-18%	*
Calcium hydroxylapatite (Radiesse®)	242,563	256,256	*	-5%	*
Collagen	14,126	14,353	587,615	-2%	-98%
Porcine/bovine-based (Evolence®, Zyderm®, Zypplast®)	14,126	14,353	*	-2%	*
Fat	79,208	70,283	65,270	13%	21%
Hyaluronic acid (Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Belotero®)	2,012,672	1,951,692	*	3%	*
Platelet-Rich Plasma (PRP)†	102,101	100,719	*	1%	*
Polylactic acid (Sculptra®)	125,044	130,089	*	-4%	*
Polymethyl-methacrylate microspheres (Artefill®)	17,345	18,051	*	-4%	*
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES^****	15,411,829	14,969,785	5,500,446	3%	180%

TOTAL COSMETIC PROCEDURES^*****	17,192,816	16,685,029	7,401,495	3%	132%
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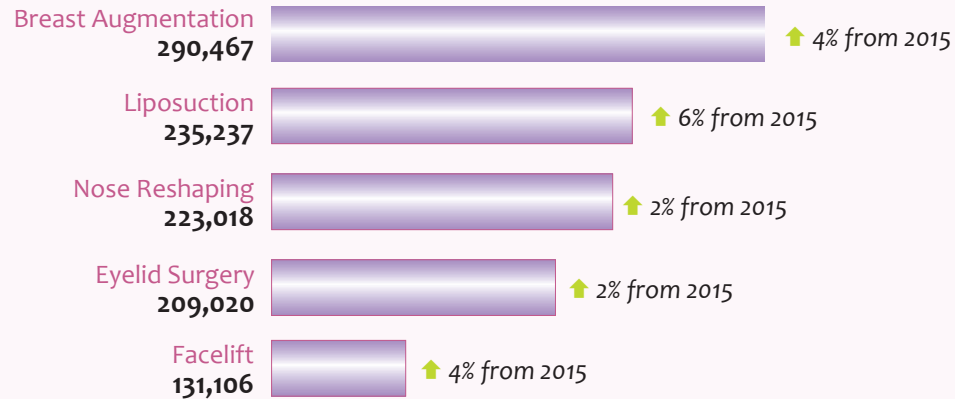
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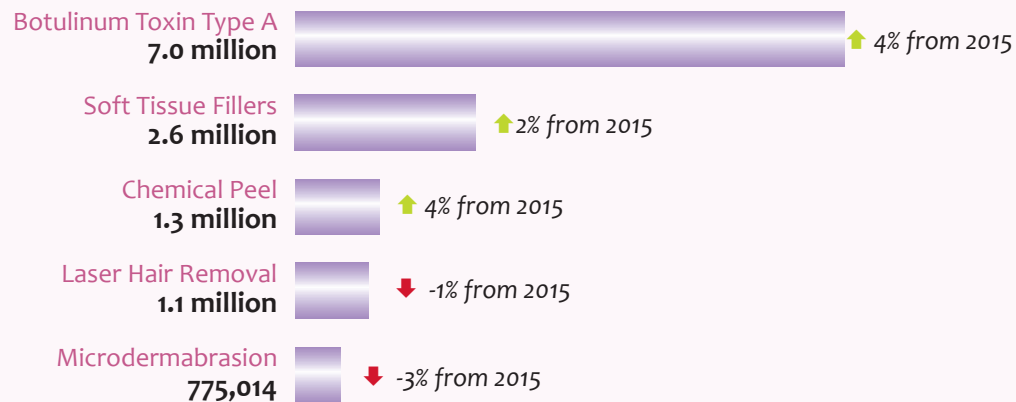
2016 Top Five Cosmetic Plastic Surgery Procedures

Cosmetic Procedure Charts

2016 TOP FIVE COSMETIC SURGICAL PROCEDURES



2016 TOP FIVE COSMETIC MINIMALLY-INVASIVE PROCEDURES



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^AIn 2000 figure included all animal bites.

^{AA}In 2000 figure included facial laceration repair.

^{AAA}In 2016 and 2015 figure includes facial laceration repair.

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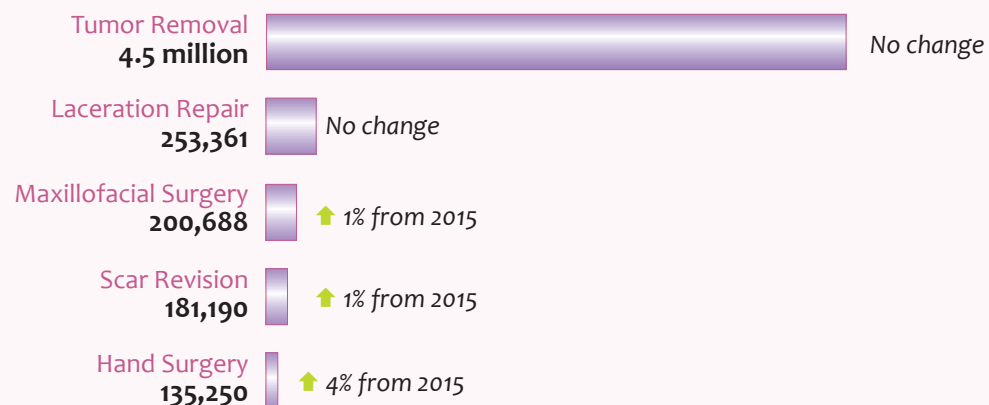
2016 Reconstructive Plastic Surgery Statistics

Reconstructive Procedure Trends

Top 5 procedures appear in bold.

RECONSTRUCTIVE PROCEDURES	2016	2015	2000	% CHANGE 2016 vs. 2015	% CHANGE 2016 vs. 2000
Dog bite repair ^A	28,991	28,079	43,089	3%	-33%
Birth defect (congenital deformities)	29,959	30,383	40,076	-1%	-25%
Breast implant removals (Reconstructive patients only) ^{****}	18,778	17,892	16,287	5%	15%
Breast reconstruction ^{****}	109,256	106,338	78,832	3%	39%
Breast reduction (reconstructive patients only)	61,821	60,175	*	3%	*
Burn care	16,183	15,606	*	4%	*
Hand surgery (excluding microsurgical)	135,250	130,280	*	4%	*
Head and neck reconstruction ^{****}	28,496	27,987	*	2%	*
Hernia repair ^{****}	9,938	10,156	*	-2%	*
Laceration repair (other than facial) ^{AA}	253,361	253,441	358,666	0%	-29%
Lower extremity reconstruction (including microsurgical) ^{****}	16,444	16,801	*	-2%	*
Maxillofacial surgery ^{AAA}	202,688	200,550	79,331	1%	155%
Pelvic floor reconstruction ^{****}	1,421	1,348	*	5%	*
Scar revision	181,190	179,066	221,858	1%	-18%
Tumor removal (including skin cancer)	4,473,238	4,472,153	*	0%	*
Other reconstructive procedures	253,993	264,743	376,270	-4%	-32%
TOTAL RECONSTRUCTIVE PROCEDURES	5,821,007	5,814,998	*	1%	*

2016 TOP FIVE RECONSTRUCTIVE PROCEDURES



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2016 Cosmetic Surgery Gender Distribution

Female

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	2016 TOTAL PROCEDURES	2016 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2016 vs. 2015	% CHANGE 2016 vs. 2000
Breast augmentation (Augmentation mammoplasty)**	290,467	290,467	100%	4%	37%
Breast implant removals (Augmentation patients only)	28,467	28,467	100%	15%	-30%
Breast lift (Mastopexy)	101,264	101,264	100%	2%	92%
Breast reduction in men (Gynecomastia)	27,760	0	0%	-	-
Buttock implants	2,999	2,601	87%	17%	*
Buttock lift	4,251	3,931	92%	-11%	201%
Calf augmentation	419	182	43%	-20%	*
Cheek implant (Malar augmentation)	13,197	9,595	73%	3%	10%
Chin augmentation (Mentoplasty)	16,688	7,449	45%	-7%	-58%
Dermabrasion	88,182	76,126	86%	1%	173%
Ear surgery (Otoplasty)	23,709	13,565	57%	4%	-29%
Eyelid surgery (Blepharoplasty)	209,020	178,062	85%	2%	-34%
Facelift (Rhytidectomy)	131,106	119,004	91%	5%	0%
Forehead lift	43,038	38,076	88%	6%	-65%
Hair transplantation	16,784	4,746	28%	12%	17%
Lip augmentation (other than injectable materials)	28,430	27,268	96%	4%	49%
Liposuction	235,237	208,329	89%	6%	-31%
Lower body lift	11,299	10,341	92%	35%	*
Nose reshaping (Rhinoplasty)	223,018	167,994	75%	2%	-30%
Pectoral implants	1,153	0	0%	-	-
Thigh Lift	9,929	9,451	95%	8%	86%
Tummy tuck (Abdominoplasty)	127,633	122,731	96%	0%	103%
Upper arm lift	17,860	17,490	98%	4%	5075%
TOTAL COSMETIC SURGICAL PROCEDURES	1,651,910	1,437,139	87%	4%	-5%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2016 TOTAL PROCEDURES	2016 TOTAL FEMALE	% OF TOTAL PROCEDURES	% CHANGE 2016 vs. 2015	% CHANGE 2016 vs. 2000
Botulinum toxin type A (Botox®, Dysport®)***	7,056,255	6,608,747	94%	4%	854%
Cellulite treatment (e.g., Velosmooth®, Endermology)	30,995	26,816	87%	1%	12%
Chemical peel	1,360,850	1,256,744	92%	4%	33%
Laser hair removal	1,109,385	915,370	83%	-1%	52%
Laser skin resurfacing	586,662	512,784	87%	3%	243%
Laser treatment of leg veins	217,179	188,055	87%	4%	-16%
Microdermabrasion	775,014	631,223	81%	-3%	-19%
Sclerotherapy	323,009	318,687	99%	0%	-62%
Soft tissue fillers	2,473,613	2,373,715	96%	2%	294%
Calcium hydroxylapatite (e.g., Radiesse®)	242,563	226,791	93%	-5%	*
Collagen	14,126	13,408	95%	-2%	-98%
Fat	79,208	74,355	94%	13%	21%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,012,672	1,954,665	97%	3%	*
Poly(lactic acid) (Sculptra®)	125,044	104,496	84%	-5%	*
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	13,932,962	12,832,141	92%	3%	164%

TOTAL COSMETIC PROCEDURES	15,584,872	14,269,280	92%	1%	124%
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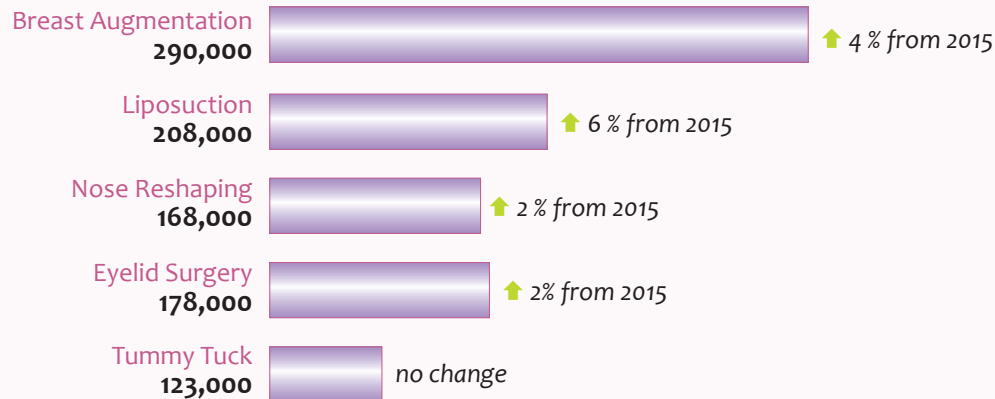
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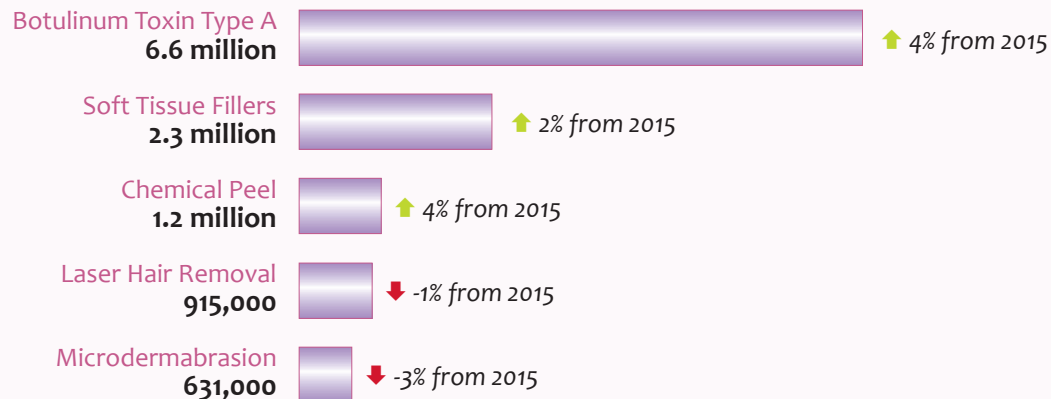
2016 Cosmetic Surgery Gender Distribution Charts

Female

2016 TOP FIVE FEMALE COSMETIC SURGICAL PROCEDURES



2016 TOP FIVE FEMALE COSMETIC MINIMALLY-INVASIVE PROCEDURES



2016 Plastic Surgery Statistics Report



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All figures are projected.
* Data unavailable in prior year.
***Botulinum Toxin Type A numbers are of
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2016 Cosmetic Surgery Gender Distribution

Male

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	2016 TOTAL PROCEDURES	2016 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2016 vs. 2015	% CHANGE 2016 vs. 2000
Breast augmentation (augmentation mammoplasty)	290,467	0	0%	-	-
Breast implant removals (augmentation patients only)	28,467	0	0%	-	-
Breast lift (mastopexy)	101,264	0	0%	-	-
Breast reduction in men (gynecomastia)	27,760	27,760	100%	1%	36%
Buttock implants	2,999	398	13%	23%	*
Buttock lift	4,251	320	8%	-14%	567%
Calf augmentation	419	237	57%	-17%	*
Cheek implant (malar augmentation)	13,197	3,602	27%	7%	116%
Chin augmentation (mentoplasty)	16,688	9,239	55%	-2%	2%
Dermabrasion	88,182	12,056	14%	4%	-16%
Ear surgery (otoplasty)	23,709	10,144	43%	4%	-41%
Eyelid surgery (blepharoplasty)	209,020	30,958	15%	4%	-46%
Facelift (rhytidectomy)	131,106	12,102	9%	1%	-20%
Forehead lift	43,038	4,962	12%	7%	-62%
Hair transplantation	16,784	12,038	72%	6%	-70%
Lip augmentation (other than injectable materials)	28,430	1,162	4%	-1%	401%
Liposuction	235,237	26,908	11%	5%	-48%
Lower body lift	11,299	958	8%	29%	363%
Nose reshaping (rhinoplasty)	223,018	55,024	25%	3%	-63%
Pectoral implants	1,153	1,153	100%	25%	*
Thigh lift	9,929	478	5%	7%	117%
Tummy tuck (abdominoplasty)	127,633	4,902	4%	-1%	114%
Upper arm lift	17,860	370	2%	5%	*
TOTAL COSMETIC SURGICAL PROCEDURES	1,651,910	214,771	13%	3%	-45%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	2016 TOTAL PROCEDURES	2016 TOTAL MALE	% OF TOTAL PROCEDURES	% CHANGE 2016 vs. 2015	% CHANGE 2016 vs. 2000
Botulinum toxin type A (Botox®, Dysport®)***	7,056,255	447,508	6%	4%	376%
Cellulite treatment (e.g., Velosmooth®, Endermology)	30,995	4,179	13%	1%	*
Chemical peel	1,360,850	104,106	8%	5%	-100%
Laser hair removal	1,109,385	194,015	17%	3%	46%
Laser skin resurfacing	586,662	73,878	13%	1%	242%
Laser treatment of leg veins	217,179	29,124	13%	6%	38%
Microdermabrasion	775,014	143,791	19%	-2%	67%
Sclerotherapy	323,009	4,322	1%	-3%	-84%
Soft tissue fillers	2,473,613	99,898	4%	1%	99%
Calcium hydroxylapatite (e.g., Radiesse®)	242,563	15,772	7%	-8%	*
Collagen	14,126	718	5%	-2%	-98%
Fat	79,208	4,853	6%	9%	24%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,012,672	58,007	3%	4%	*
Poly(lactic acid) (Sculptra®)	125,044	20,548	16%	0%	*
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	13,932,962	1,100,821	8%	3%	74%

TOTAL COSMETIC PROCEDURES	15,584,872	1,315,592	8%	3%	28%
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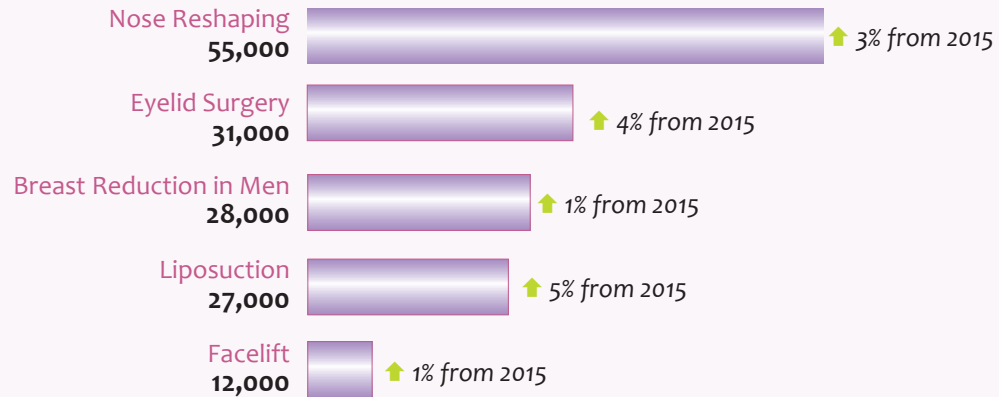
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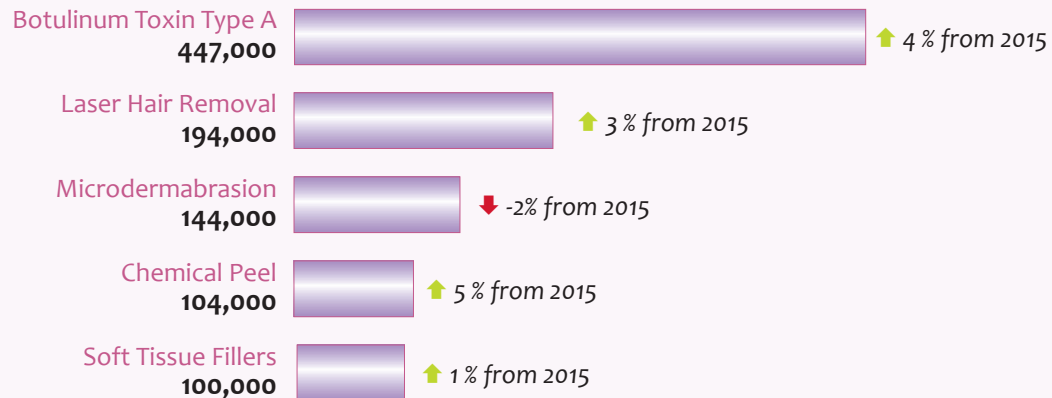
2016 Cosmetic Surgery Gender Distribution Charts

Male

2016 TOP FIVE MALE COSMETIC SURGICAL PROCEDURES



2016 TOP FIVE MALE COSMETIC MINIMALLY-INVASIVE PROCEDURES



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^Totals represents only 18 and 19 years olds.

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2016 Cosmetic Surgery Age Distribution

Age 13-19

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 13-19 2016 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2016 vs 2015
Breast augmentation (augmentation mammoplasty) [^]	8,076	3%	3%
Breast implant removals (augmentation patients only) [^]	102	0%	15%
Breast lift (mastopexy)	1,845	2%	3%
Breast reduction in men (gynecomastia)	7,099	26%	1%
Chin augmentation (mentoplasty)	1,439	9%	-3%
Dermabrasion	3,847	4%	1%
Ear surgery (otoplasty)	6,688	28%	3%
Eyelid surgery (blepharoplasty)	1,973	1%	4%
Lip augmentation (other than injectable materials)	272	1%	3%
Liposuction	3,751	2%	6%
Nose reshaping (rhinoplasty)	31,255	14%	3%
TOTAL COSMETIC SURGICAL PROCEDURES	66,347	4%	3%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 13-19 2016 TOTAL	AGE 13-19 % OF TOTAL PROCEDURES	AGE 13-19 % CHANGE 2016 vs 2015
Botulinum Toxin Type A (Botox, Dysport) ^{***}	20,676	0%	5%
Chemical peel	6,945	1%	3%
Laser hair removal	70,763	6%	-2%
Laser skin resurfacing	28,799	5%	3%
Laser treatment of leg veins	19,602	9%	3%
Microdermabrasion	7,698	1%	-2%
Sclerotherapy	1,804	1%	1%
Soft Tissue Fillers	6,917	0%	1%
Calcium hydroxylapatite (Radiesse)	810	0%	-5%
Collagen	48	0%	-2%
Fat	687	1%	12%
Hyaluronic acid (Juvederm Ultra, Juvederm Ultra Plus, Perlane, Restylane)	3,657	0%	4%
Polylactic acid (Sculptra)	1,715	1%	-5%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	163,204	1%	1%

TOTAL COSMETIC PROCEDURES	229,551	1%	1%
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2016 Cosmetic Surgery Age Distribution

Age 20-29

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 20-29 2016 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2016 vs 2015
Breast augmentation (augmentation mammoplasty)	82,042	28%	3%
Breast implant removals (augmentation patients only)	3,717	13%	15%
Breast lift (mastopexy)	13,753	14%	1%
Breast reduction in men (gynecomastia)	9,689	35%	1%
Buttock implants	600	20%	17%
Buttock lift	532	13%	-10%
Calf augmentation	160	38%	-18%
Cheek implant (malar augmentation)	1,231	9%	5%
Chin augmentation (mentoplasty)	2,302	14%	-4%
Dermabrasion	5,925	7%	2%
Ear surgery (otoplasty)	7,084	30%	6%
Eyelid surgery (blepharoplasty)	3,690	2%	3%
Facelift (rhytidectomy)	372	0%	3%
Forehead lift	242	1%	8%
Hair transplantation	1,461	9%	8%
Lip augmentation (other than injectable materials)	1,360	5%	4%
Liposuction	36,003	15%	6%
Lower body lift	1,086	10%	35%
Nose reshaping (rhinoplasty)	70,210	31%	1%
Pectoral implants	584	51%	24%
Thigh lift	611	6%	7%
Tummy tuck (abdominoplasty)	12,192	10%	1%
Upper arm lift	1,637	9%	3%
TOTAL COSMETIC SURGICAL PROCEDURES	256,483	16%	3%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 20-29 2016 TOTAL	AGE 20-29 % OF TOTAL PROCEDURES	AGE 20-29 % CHANGE 2016 vs 2015
Botulinum toxin type A (Botox®, Dysport®)***	105,886	2%	5%
Cellulite treatment (e.g., Velosmooth®, Endermology)	6,835	22%	2%
Chemical peel	16,174	1%	3%
Laser hair removal	240,083	22%	-1%
Laser skin resurfacing	32,621	6%	3%
Laser treatment of leg veins	27,900	13%	6%
Microdermabrasion	59,889	8%	-4%
Sclerotherapy	14,025	4%	1%
Soft tissue fillers	69,101	3%	2%
Calcium hydroxylapatite (e.g., Radiesse®)	4,787	2%	-6%
Collagen	654	5%	-2%
Fat	3,930	5%	12%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	53,134	3%	3%
Polyactic acid (Sculptra®)	6,596	5%	-4%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	572,514	4%	1%

TOTAL COSMETIC PROCEDURES	828,997	5%	2%
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2016 Cosmetic Surgery Age Distribution

Age 30-39

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 30-39 2016 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2016 vs 2015
Breast augmentation (augmentation mammoplasty)	108,513	37%	6%
Breast implant removals (augmentation patients only)	8,229	29%	14%
Breast lift (mastopexy)	30,698	30%	3%
Breast reduction in men (gynecomastia)	4,916	18%	1%
Buttock implants	999	33%	17%
Buttock lift	1,184	28%	-12%
Calf augmentation	168	40%	-19%
Cheek implant (malar augmentation)	2,748	21%	4%
Chin augmentation (mentoplasty)	2,208	13%	-4%
Dermabrasion	8,857	10%	0%
Ear surgery (otoplasty)	4,175	18%	5%
Eyelid surgery (blepharoplasty)	13,084	6%	1%
Facelift (rhytidectomy)	2,018	2%	4%
Forehead lift	1,781	4%	6%
Hair transplantation	1,365	8%	6%
Lip augmentation (other than injectable materials)	3,688	13%	4%
Liposuction	79,293	34%	6%
Lower body lift	3,071	27%	33%
Nose reshaping (rhinoplasty)	52,658	24%	2%
Pectoral implants	208	18%	26%
Thigh lift	2,846	29%	8%
Tummy tuck (abdominoplasty)	45,088	35%	0%
Upper arm lift	2,583	14%	6%
TOTAL COSMETIC SURGICAL PROCEDURES	380,378	23%	4%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 30-39 2016 TOTAL	AGE 30-39 % OF TOTAL PROCEDURES	AGE 30-39 % CHANGE 2016 vs 2015
Botulinum toxin type A (Botox®, Dysport®)***	1,275,146	18%	5%
Cellulite treatment (e.g., Velosmooth®, Endermology)	16,646	54%	0%
Chemical peel	177,297	13%	4%
Laser hair removal	324,195	29%	0%
Laser skin resurfacing	49,524	8%	2%
Laser treatment of leg veins	65,337	30%	3%
Microdermabrasion	177,380	23%	-3%
Sclerotherapy	65,635	20%	1%
Soft tissue fillers	278,839	11%	3%
Calcium hydroxylapatite (e.g., Radiesse®)	20,124	8%	-4%
Collagen	2,193	16%	-1%
Fat	10,343	13%	13%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	232,266	12%	4%
Poly-lactic acid (Sculptra®)	13,913	11%	-5%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	2,429,999	17%	3%

TOTAL COSMETIC PROCEDURES	2,810,377	18%	4%
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2016 Cosmetic Surgery Age Distribution

Age 40-54

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 40-54 2016 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2016 vs 2015
Breast augmentation (augmentation mammoplasty)	84,732	29%	3%
Breast implant removals (augmentation patients only)	11,863	42%	16%
Breast lift (mastopexy)	39,063	39%	2%
Breast reduction in men (gynecomastia)	3,689	13%	1%
Buttock implants	1,183	39%	19%
Buttock lift	1,784	42%	-11%
Calf augmentation	64	15%	-19%
Cheek implant (malar augmentation)	5,793	44%	4%
Chin augmentation (mentoplasty)	4,161	25%	-3%
Dermabrasion	33,740	38%	0%
Ear surgery (otoplasty)	3,498	15%	3%
Eyelid surgery (blepharoplasty)	89,022	43%	1%
Facelift (rhytidectomy)	43,216	33%	5%
Forehead lift	17,296	40%	7%
Hair transplantation	3,508	21%	6%
Lip augmentation (other than injectable materials)	10,216	36%	3%
Liposuction	92,078	39%	6%
Lower body lift	4,917	44%	34%
Nose reshaping (rhinoplasty)	46,621	21%	3%
Pectoral implants	223	19%	26%
Thigh lift	4,732	48%	8%
Tummy tuck (abdominoplasty)	52,697	41%	0%
Upper arm lift	7,596	43%	4%
TOTAL COSMETIC SURGICAL PROCEDURES	561,692	34%	3%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 40-54 2016 TOTAL	AGE 40-54 % OF TOTAL PROCEDURES	AGE 40-54 % CHANGE 2016 vs 2015
Botulinum toxin type A (Botox®, Dysport®)***	4,051,194	57%	4%
Cellulite treatment (e.g., Velosmooth®, Endermology)	7,501	24%	2%
Chemical peel	567,431	42%	4%
Laser hair removal	402,520	36%	-1%
Laser skin resurfacing	241,424	41%	3%
Laser treatment of leg veins	67,789	31%	6%
Microdermabrasion	344,481	44%	-3%
Sclerotherapy	157,550	49%	-1%
Soft tissue fillers	1,217,089	49%	1%
Calcium hydroxylapatite (e.g., Radiesse®)	95,312	39%	-5%
Collagen	5,010	35%	-2%
Fat	26,643	34%	13%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	1,018,484	51%	2%
Polyactic acid (Sculptra®)	71,640	57%	-3%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	7,056,979	51%	3%

TOTAL COSMETIC PROCEDURES	7,618,671	49%	3%
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2016 Cosmetic Surgery Age Distribution

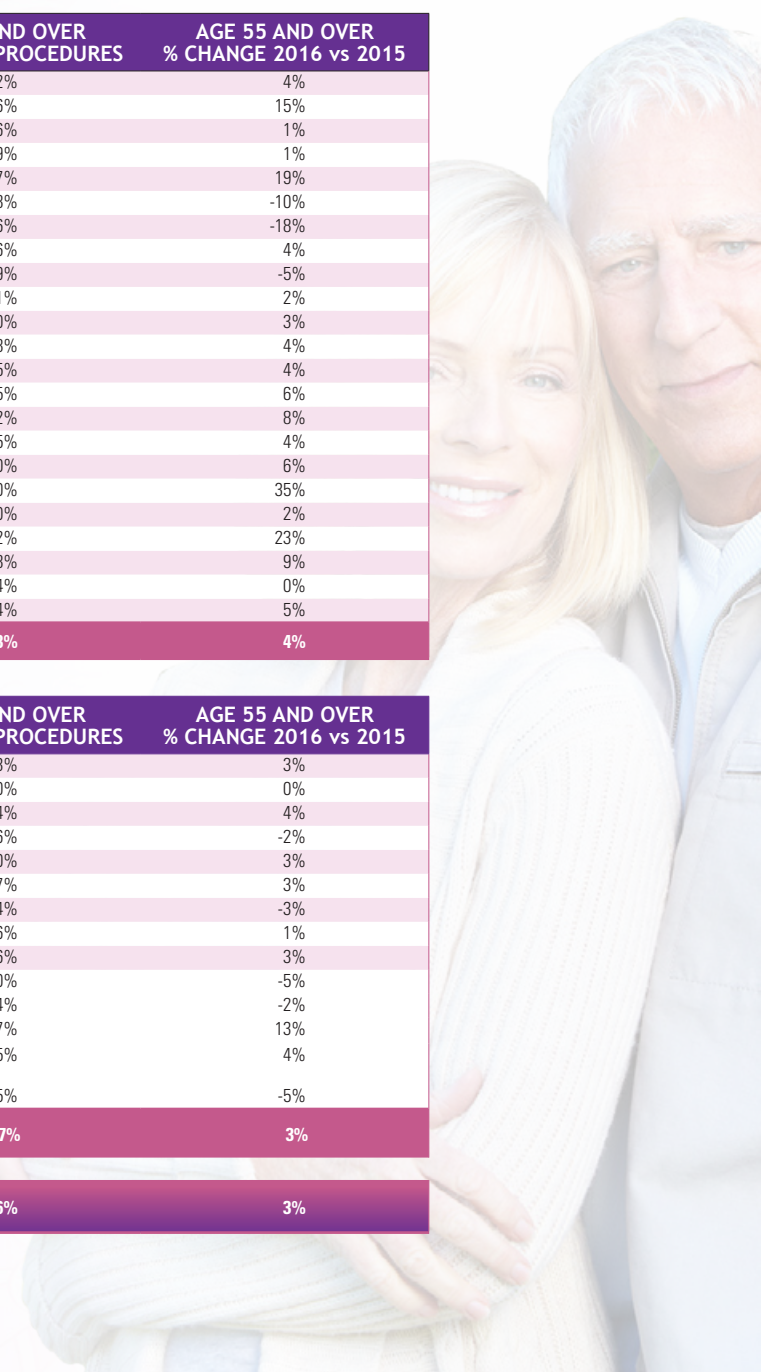
Age 55 and over

Top 5 procedures appear in bold

COSMETIC SURGICAL PROCEDURES	AGE 55 AND OVER 2016 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2016 vs 2015
Breast augmentation (augmentation mammoplasty)	7,104	2%	4%
Breast implant removals (augmentation patients only)	4,556	16%	15%
Breast lift (mastopexy)	15,905	16%	1%
Breast reduction in men (gynecomastia)	2,367	9%	1%
Buttock implants	217	7%	19%
Buttock lift	751	18%	-10%
Calf augmentation	27	6%	-18%
Cheek implant (malar augmentation)	3,425	26%	4%
Chin augmentation (mentoplasty)	6,578	39%	-5%
Dermabrasion	35,813	41%	2%
Ear surgery (otoplasty)	2,264	10%	3%
Eyelid surgery (blepharoplasty)	101,251	48%	4%
Facelift (rhytidectomy)	85,500	65%	4%
Forehead lift	23,719	55%	6%
Hair transplantation	10,450	62%	8%
Lip augmentation (other than injectable materials)	12,894	45%	4%
Liposuction	24,112	10%	6%
Lower body lift	2,225	20%	35%
Nose reshaping (rhinoplasty)	22,274	10%	2%
Pectoral implants	138	12%	23%
Thigh lift	1,740	18%	9%
Tummy tuck (abdominoplasty)	17,656	14%	0%
Upper arm lift	6,044	34%	5%
TOTAL COSMETIC SURGICAL PROCEDURES	387,010	23%	4%

COSMETIC MINIMALLY-INVASIVE PROCEDURES	AGE 55 AND OVER 2016 TOTAL	AGE 55 AND OVER % OF TOTAL PROCEDURES	AGE 55 AND OVER % CHANGE 2016 vs 2015
Botulinum toxin type A (Botox®, Dysport®)***	1,603,353	23%	3%
Cellulite treatment (e.g., Velosmooth®, Endermology)	13	0%	0%
Chemical peel	593,003	44%	4%
Laser hair removal	71,824	6%	-2%
Laser skin resurfacing	234,294	40%	3%
Laser treatment of leg veins	36,551	17%	3%
Microdermabrasion	185,566	24%	-3%
Sclerotherapy	83,995	26%	1%
Soft tissue fillers	901,667	36%	3%
Calcium hydroxylapatite (e.g., Radiesse®)	121,530	50%	-5%
Collagen	6,221	44%	-2%
Fat	37,605	47%	13%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	705,131	35%	4%
Polyactic acid (Sculptra®)	31,180	25%	-5%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	3,710,266	27%	3%

TOTAL COSMETIC PROCEDURES	4,097,276	26%	3%
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2016 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)	290,467	42,843 15%	49,062 17%	46,405 16%	47,601 16%	104,556 16%
Breast implant removals (augmentation patients only)	28,467	5,654 20%	4,760 17%	5,969 21%	6,048 21%	6,036 21%
Breast lift (mastopexy)	101,264	12,972 13%	14,919 15%	20,909 21%	20,955 21%	31,509 21%
Breast reduction (Aesthetic patiebtbs only)	39,148	6,319 16%	11,206 29%	5,833 15%	8,063 21%	7,727 21%
Breast reduction in men (gynecomastia)	27,760	9,105 33%	4,793 17%	4,491 16%	3,292 12%	6,079 12%
Buttock augmentation with fat grafting	18,489	4,144 22%	5,200 28%	3,813 21%	3,084 17%	2,248 17%
Buttock implants	2,999	465 16%	415 14%	840 28%	690 23%	589 23%
Buttock lift	4,251	1,026 24%	1,379 32%	760 18%	603 14%	483 14%
Calf augmentation	419	122 29%	42 10%	116 28%	50 12%	89 12%
Cheek implant (malar augmentation)	13,197	2,448 19%	1,219 9%	2,611 20%	5,715 43%	1,204 43%
Chin augmentation (mentoplasty)	16,688	3,852 23%	2,444 15%	2,500 15%	1,840 11%	6,052 11%
Dermabrasion	88,182	10,923 12%	26,582 30%	19,185 22%	10,071 11%	21,421 11%
Ear surgery (otoplasty)	23,709	4,556 19%	4,554 19%	3,589 15%	3,772 16%	7,238 16%
Eyelid surgery (blepharoplasty)	209,020	37,689 18%	28,509 14%	46,219 22%	25,399 12%	71,204 12%
Facelift (rhytidectomy)	131,106	25,957 20%	15,382 12%	29,874 23%	18,783 14%	41,110 14%
Full Facelift	97,110	19,226 20%	11,393 12%	22,128 23%	13,913 14%	30,450 14%
Mini Facelift	33,996	6,731 20%	3,989 12%	7,746 23%	4,870 14%	10,660 14%
Forehead lift	43,038	6,886 16%	5,920 14%	7,416 17%	8,179 19%	14,637 19%
Hair transplantation	16,784	1,630 10%	1,664 10%	1,948 12%	7,785 46%	3,757 46%
Labiaplasty†	12,666	2,520 20%	2,046 16%	2,880 23%	1,620 13%	3,600 13%
Lip augmentation (other than injectable materials)	28,430	7,610 27%	4,799 17%	4,691 17%	5,720 20%	5,610 20%
Lip reduction	3,547	628 18%	1,263 36%	670 19%	515 15%	471 15%
Liposuction	235,237	40,970 17%	30,580 13%	53,588 23%	36,466 16%	73,633 16%
Lower body lift	11,299	3,354 30%	1,761 16%	1,218 11%	2,376 21%	2,590 21%
Neck lift	55,227	10,631 19%	6,665 12%	11,689 21%	8,557 15%	17,685 15%
Nose reshaping (rhinoplasty)	223,018	64,726 29%	30,448 14%	27,800 12%	40,307 18%	59,737 18%
Pectoral implants	1,153	180 16%	120 10%	323 28%	207 18%	323 18%
Thigh lift	9,929	2,416 24%	1,582 16%	1,404 14%	1,923 19%	2,604 19%
Tummy tuck (abdominoplasty)	127,633	25,249 20%	23,121 18%	21,834 17%	21,271 17%	36,158 17%
Upper arm lift	17,860	5,201 29%	2,475 14%	3,755 21%	2,451 14%	3,978 14%
TOTAL COSMETIC SURGICAL PROCEDURES	1,780,987	340,076 19%	282,910 16%	332,330 19%	293,343 16%	532,328 30%

2016 Plastic Surgery Statistics Report



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2016 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®)***	7,056,255	1,419,286 20%	939,665 13%	1,667,360 24%	1,001,908 14%	2,028,036 29%
Cellulite treatment (e.g., Velosmooth®, Endermology)	30,995	6,899 22%	6,999 23%	6,252 20%	3,494 11%	7,351 24%
Chemical peel	1,360,850	338,441 25%	203,957 15%	264,045 19%	122,620 9%	431,787 32%
Injection lipolysis (e.g., Kybella®)†	55,660	10,300 19%	10,870 20%	11,700 21%	7,290 13%	15,500 28%
Intense pulsed light (IPL)	656,781	179,022 27%	101,255 15%	117,607 18%	58,339 9%	200,558 31%
Laser hair removal	1,109,385	192,388 17%	146,418 13%	239,878 22%	171,924 15%	358,777 32%
Laser skin resurfacing	586,662	116,754 20%	130,117 22%	93,156 16%	57,583 10%	189,052 32%
Laser treatment of leg veins	217,179	53,361 25%	22,720 10%	35,211 16%	24,015 11%	81,872 38%
Microdermabrasion	775,014	194,312 25%	148,658 19%	160,838 21%	89,900 12%	181,306 23%
Non-invasive fat reduction (e.g., Coolsculpting®, Liposonix®)†	333,082	68,453 21%	43,948 13%	77,198 23%	47,031 14%	96,452 29%
Non-surgical skin tightening (e.g., Pelleve®, Thermage®, Ulthera®)†	306,089	60,982 20%	42,144 14%	71,885 23%	41,313 13%	89,765 29%
Sclerotherapy	323,009	50,127 16%	37,474 12%	68,672 21%	119,919 37%	46,817 14%
Soft tissue fillers	2,600,868	747,891 29%	338,797 13%	489,741 19%	275,511 11%	748,928 29%
Acellular Dermal Matrix†	7,809	1,405 18%	1,657 21%	1,667 21%	991 13%	2,089 27%
Calcium hydroxylapatite (e.g., Radiesse®)	242,563	80,521 33%	36,072 15%	47,442 20%	36,652 15%	41,876 17%
Collagen	14,126	7,163 51%	947 7%	2,341 17%	1,636 12%	2,039 14%
Fat	79,208	13,629 17%	14,860 19%	18,744 24%	6,172 8%	25,803 33%
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®, Prevelle Silk®)	2,012,672	606,107 30%	243,308 12%	370,779 18%	169,441 8%	623,037 31%
Platelet-Rich Plasma (PRP)†	102,101	21,222 21%	13,201 13%	23,788 23%	14,801 14%	29,089 28%
Poly-lactic acid (Sculptra®)	125,044	14,867 12%	27,816 22%	18,981 15%	44,679 36%	18,701 15%
Polymethyl-methacrylate microspheres (e.g., Artefill)	17,345	2,977 17%	936 5%	5,999 35%	1,139 7%	6,294 36%
TOTAL COSMETIC MINIMALLY-INVASIVE PROCEDURES	15,411,829	3,438,216 22%	2,173,022 14%	3,303,543 21%	2,020,847 13%	4,476,201 29%
TOTAL COSMETIC PROCEDURES	17,192,816	3,778,292 22%	2,455,932 14%	3,635,873 21%	2,314,190 13%	5,008,529 29%

RECONSTRUCTIVE PROCEDURES	TOTAL PROCEDURES	Region 1	Region 2	Region 3	Region 4	Region 5
Breast reconstruction	109,256	21,700 20%	18,269 17%	22,909 21%	23,212 21%	23,166 21%

2016 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.

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2016 Average Surgeon/Physician Fees

Cosmetic Procedures

COSMETIC SURGICAL PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Breast augmentation (Augmentation mammoplasty)	\$3,719	\$1,080,246,773
Breast implant removals (Augmentation patients only)	\$2,506	\$71,338,302
Breast lift (Mastopexy)	\$4,636	\$469,459,904
Breast reduction (Aesthetic patients only)	\$5,631	\$220,442,388
Breast reduction in men (Gynecomastia)	\$3,525	\$97,854,000
Buttock augmentation with fat grafting	\$4,356	\$80,538,084
Buttock implants	\$4,860	\$14,575,140
Buttock lift	\$4,571	\$19,431,321
Calf augmentation	\$3,689	\$1,545,691
Cheek implant (Malar augmentation)	\$2,823	\$37,255,131
Chin augmentation (Mentoplasty)	\$2,225	\$37,130,800
Dermabrasion	\$1,162	\$102,467,484
Ear surgery (Otoplasty)	\$3,154	\$74,778,186
Eyelid surgery (Blepharoplasty)	\$3,022	\$631,658,440
Facelift (Rhytidectomy)	\$7,048	\$924,035,088
Full Facelift	\$7,122	\$691,617,420
Mini Facelift	\$5,092	\$173,107,632
Forehead lift	\$3,403	\$146,458,314
Hair transplantation	*	*
Labiaplasty†	\$2,730	\$34,578,180
Lip augmentation (other than injectable materials)	\$1,727	\$49,098,610
Lip reduction	\$1,934	\$6,859,898
Liposuction	\$3,200	\$752,758,400
Lower body lift	\$7,954	\$89,872,246
Neck lift	\$4,528	\$250,067,856
Nose reshaping (Rhinoplasty)	\$5,046	\$1,125,348,828
Pectoral implants	\$4,217	\$4,862,201
Thigh Lift	\$4,863	\$48,284,727
Tummy tuck (Abdominoplasty)	\$5,798	\$740,016,134
Upper arm lift (Brachioplasty)	\$4,257	\$76,030,020

COSMETIC MINIMALLY-INVASIVE PROCEDURES	NATIONAL AVERAGE SURGEON/PHYSICIAN FEE	TOTAL EXPENDITURE
Botulinum Type A toxin injections (e.g., Botox®, Dysport®)	\$385	\$2,716,658,175
Cellulite treatment (e.g., Velosmooth®, Endermology)	*	*
Chemical peel	\$673	\$915,852,050
Injection lipolysis (e.g., Kybella®)†	\$1,257	\$69,964,620
Intense Pulsed Light (IPL)	\$433	\$284,386,173
Laser hair removal	\$306	\$339,471,810
Laser skin resurfacing	-	-
Ablative	\$2,330	\$387,232,020
Non-ablative (e.g., Fraxel®, etc.)	\$1,031	\$433,502,508
Laser treatment of leg veins	\$371	\$80,573,409
Microdermabrasion	\$138	\$106,951,932
Non-invasive fat reduction (e.g., Coolsculpting®, Liposonix®)†	\$1,681	\$559,910,842
Non-surgical skin tightening (e.g., Pelleve®, Thermage®, Ulthera®)†	\$2,156	\$659,927,884
Sclerotherapy	\$326	\$105,300,934
Soft Tissue Fillers		
Acellular Dermal Matrix†	*	*
Calcium hydroxylapatite (e.g., Radiesse®)	\$687	\$166,640,781
Collagen	-	-
Porcine/bovine-based (e.g., Evolence®, Zyderm®, Zyplast®)	*	*
Fat	\$1,930	\$152,871,440
Hyaluronic acid (e.g., Juvederm Ultra®, Juvederm Ultra Plus®, Perlane®, Restylane®)	\$644	\$1,296,160,768
Platelet-Rich Plasma (PRP)†	*	*
Polylactic acid (e.g., Sculptra®)	\$773	\$96,659,012
Polymethyl-methacrylate microspheres (e.g., Artefill)	\$859	\$14,899,355
Total 2016 Expenditures		\$16,438,680,911

2016 Plastic Surgery Statistics Report



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* Data unavailable this year.

† First year procedure is being reported

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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2016 Cosmetic Demographics

Patient behavior	2016	% 2016	2015	% 2015	% CHANGE 2016 vs. 2015
Cosmetic Patients who are repeat patients		46%		47%	
Patients having multiple cosmetic procedures at the same time		41%		41%	

Cosmetic procedures performed in	2016	% 2016	2015	% 2015	% CHANGE 2016 vs. 2015
Office	11,741,637	72%	11,377,230	72%	3%
Hospital	1,506,615	9%	1,469,826	9%	3%
Free-standing Ambulatory Surgical Facility	3,142,523	19%	3,061,274	19%	3%

Ethnicity breakdown of cosmetic procedures	2016	% 2016	2015	% 2015	% CHANGE 2016 vs. 2015
Caucasian	11,392,019	70%	10,969,059	69%	4%
Hispanic	1,654,228	10%	1,688,714	11%	-2%
African-American	1,367,616	8%	1,362,282	9%	0%
Asian-American	1,154,084	7%	1,093,720	7%	6%
Other	822,828	5%	794,555	5%	4%

Popular cosmetic surgical procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast Augmentation	74%	6%	6%	10%	3%
Rhinoplasty	71%	6%	5%	11%	7%
Blepharoplasty	80%	3%	7%	7%	3%
Liposuction	77%	8%	4%	9%	2%
Abdominoplasty	70%	10%	5%	12%	3%

Popular cosmetic minimally-invasive procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Botulinum toxin type A (Botox®, Dysport®)	77%	5%	5%	9%	4%
Soft tissue fillers	77%	6%	5%	7%	5%
Chemical peel	83%	3%	5%	7%	3%
Laser hair removal	75%	6%	5%	7%	7%
Microdermabrasion	73%	5%	5%	9%	8%

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* 94% of total breast implants were silicone; 6% were saline.

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2016 Reconstructive Demographics

Reconstructive procedures performed in	2016	% 2016	2015	% 2015	% CHANGE 2016 vs. 2015
Office	2,597,375	45%	2,594,694	45%	0%
Hospital	2,400,355	41%	2,397,877	41%	0%
Free-standing Ambulatory Surgical Facility	823,277	14%	822,427	14%	0%

Reconstructive procedures by group	Caucasian	African-American	Asian/Pacific Islander	Hispanic	Other
Breast reconstruction	73%	15%	3%	9%	1%
Burn care	67%	15%	4%	9%	4%
Cleft Lip & Palate Repair	48%	4%	12%	24%	11%
Tumor removal	73%	9%	4%	8%	5%
Treatment of dog bites	69%	11%	3%	13%	3%

2016 Reconstructive Breast Procedures

(with age distribution)

RECONSTRUCTIVE BREAST PROCEDURES	TOTAL PROCEDURES	13-19	20-29	30-39	40-54	55 AND OVER
Breast reconstruction*	109,256	531	2,606	12,499	56,222	37,398
Saline implants	5,018	-	-	-	-	-
Silicone implants	83,588	-	-	-	-	-
Implant alone	9,587	-	-	-	-	-
Tissue expander and implant	79,019	-	-	-	-	-
TRAM flap	5,190	-	-	-	-	-
DIEP flap	8,585	-	-	-	-	-
Latissimus Dorsi flap	6,151	-	-	-	-	-
Other flap	724	-	-	-	-	-
Timing-Immediate	78,932	-	-	-	-	-
Timing-Delayed	30,324	-	-	-	-	-
Unilateral	37,857	-	-	-	-	-
Bilateral	71,399	-	-	-	-	-
Acellular dermal matrix	58,310	-	-	-	-	-
Fat grafts	30,516	-	-	-	-	-
Breast reduction (reconstructive patients only)	61,546	-	-	-	-	-
Breast implant removals (Reconstructive patients only)	18,778	140	1,104	3,564	8,583	5,387

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2016 Body Contouring After Massive Weight Loss

BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES	2016	2015	% CHANGE 2016 vs. 2015
Breast lift (Mastopexy) after massive weight loss	13,174	12,325	7%
Lower body lift after massive weight loss	6,449	4,642	39%
Thigh lift after massive weight loss	4,778	4,702	2%
Tummy tuck (Abdominoplasty) after massive weight loss	23,985	21,696	11%
Upper arm lift after massive weight loss	6,859	6,800	1%
TOTAL BODY CONTOURING AFTER MASSIVE WEIGHT LOSS PROCEDURES	55,245	50,165	10%

2016 Gender Confirmation Surgery Statistics

GENDER CONFIRMATION SURGERIES	2016	2015	% CHANGE 2016 vs. 2015
Transfeminine (Male to Female) patients ^{****}	1,759	1,380	27%
Transmasculine (Female to Male) patients ^{****}	1,497	1,360	10%
TOTAL GENDER CONFIRMATION SURGERIES	3,256	2,740	19%