

# 2016 Cosmetic Surgery National Data Bank Statistics

- The Authoritative Source for Current U.S. Statistics on Cosmetic Surgery
- Expanded Data for 2016: Multi-Year Comparisons, 37 Cosmetic Procedures
- Multi-Specialty Data



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#### Resources for the Media

#### **ASAPS Spokesperson Network**

- Thought and opinion leaders in all types of cosmetic procedures, surgical and nonsurgical, are available for interviews and information
- Spokespersons are available nationwide in urban and rural settings
- ASAPS leadership is available for information and interviews in all major cosmetic surgery markets
- All Aesthetic Society® spokespersons are working clinicians in direct patient care

#### The Media Center at http://www.surgery.org/media

- Downloadable statistics and infographics
- Procedural facts
- Complete library of press releases ranging from 1998 to the present indexed by subject and date
- Press kit
- Registration for ASAPS Scientific Meetings (for invited and credentialed media)
- Before and after patient photos

Contact The Aesthetic Society®
Communications Office at 562.799.2356
or e-mail media@surgery.org for
prompt assistance.

## About The Aesthetic Society

The American Society for Aesthetic Plastic Surgery (ASAPS) was founded in 1967 when cosmetic surgery was only beginning to be recognized as the important subspecialty it is today.

Founded on a mission of education, we are now widely recognized as the leader in aesthetic surgery research, education, and procedural advances.

United States Active membership to The Aesthetic Society® is restricted to American Board of Plastic Surgery certified physicians who meet a minimum number of surgical procedures performed and commit to a significant number of continuing medical education hours. New members must be sponsored by a current Society member.

Other healthcare providers may also provide some of these services. Therefore, cosmetic procedures (surgical and nonsurgical) are performed by a variety of physicians. For that reason, we rely on physicians from many different specialties when we compile our annual statistics. We thank these clinicians for their contributions to our survey.

## About the ASAPS Cosmetic Surgery National Data Bank

ASAPS, working with an independent research firm, compiled the 20-year national data for procedures performed from 1997-2016. A paper-based questionnaire was mailed to 30,000 board-certified physicians. An online version of the questionnaire was also available. A total of 795 physicians returned questionnaires, of which 92 were retired or otherwise inactive during 2016.

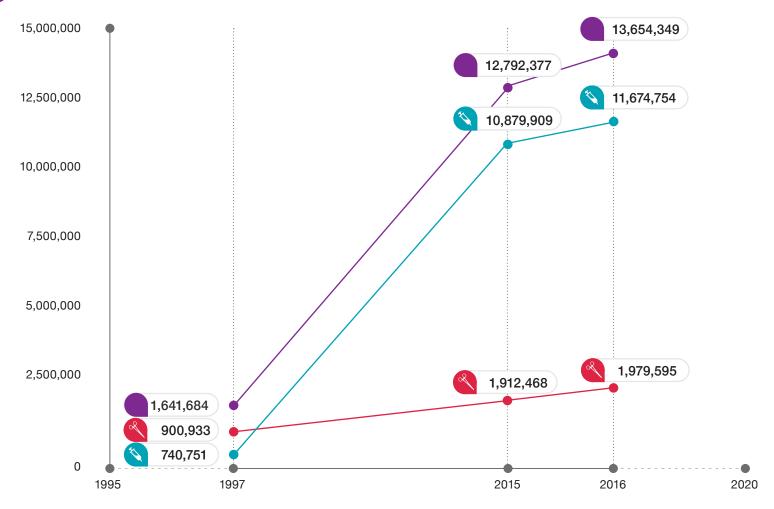
Final figures have been projected to reflect nationwide statistics. Though the confidence intervals change by procedure, depending on the grouping's sample size and the response variance, the overall survey portion of this research has a standard error of +/- 3.65% at a 95% level of confidence.

The Survey on Cosmetic Procedures Performed in 2016 was compiled, tabulated and analyzed by Industry Insights Inc. (<a href="www.industryinsights.com">www.industryinsights.com</a>), an independent research firm based in Columbus, OH.





- Surgical Cosmetic Procedures
- Nonsurgical Cosmetic Procedures
- Surgical and Nonsurgical Cosmetic Procedures: Totals







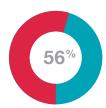


#### **HIGHLIGHTS**

• In 2016, Americans spent more than 15 billion dollars on combined surgical and nonsurgical procedures for the first time ever.



- o There was a **1.5 billion dollar increase** in expenditures over the past year alone.
- Surgical procedures accounted for 56% of the total expenditures in 2016 and nonsurgical procedures accounted for 44%.



- **Surgical procedures** were up 3.5% in 2016.
- The surgical procedures that saw the most significant increases in 2016 include:

Fat Transfer to the Breast (up 41%)

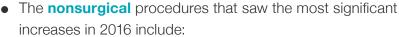
Labiaplasty (up 23%)

**Buttock Lift** (up 21%)

**Fat Transfer to the Face** (up 17%)

**Breast Implant Removal, AKA explantation** (up 13%)





Photoreiuvenation (up 36%)

**Hyaluronic Acid** (up 16%)

Laser Tattoo Removal (up 13%)

**Nonsurgical Skin Tightening** (up 12%)

**Botulinum Toxin** (up 8%)









• Fat Transfer to the Breast (using a patient's own fat) increased in popularity by 41% in 2016, with more than 25,000 procedures performed.



- Photorejuvenation joined the list of Top 5 nonsurgical procedures, with more than 650,000 procedures performed, a 36% increase from 2015.
- Labiaplasty continues to be a trend-setting contender in the surgical arena, with 23% more procedures performed in 2016 than 2015, and with more than 35% of all plastic surgeons now offering this procedure in their practices.
- Chemical Peels became one of the most popular procedures for men this year, joining Botox, Hylauronic Acid, Hair Removal and Photorejuvenation as their nonsurgical procedures of choice.
- Buttock Lifts saw a 21% increase in 2016, demonstrating that subtlety continues to be a growing trend.







#### **TOP 5**



# The top five cosmetic surgical procedures in 2016 were:

- **Liposuction** (414,335 procedures)
- Breast Augmentation (310,444 procedures)
- Tummy Tuck (181,540 procedures)
- Eyelid Surgery (173,883 procedures)
- Breast Lift (161,412 procedures)



# The top five nonsurgical procedures in 2016 were:

- **Botulinum Toxin** (4,597,886 procedures)
- Hyaluronic Acid (2,494,814 procedures)
- Laser Hair Removal (1,035,783 procedures)
- Photorejuvenation (657,172 procedures)
- Chemical Peel (616,225 procedures)

#### **GENDER**



# The top five surgical procedures for women in 2016 were:

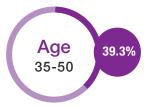
- Liposuction (369,323 procedures)
- Breast Augmentation (310,444 procedures)
- Tummy Tuck (173,536 procedures)
- Breast Lift (161,412 procedures)
- Eyelid Surgery (145,858 procedures)



# The top five surgical procedures for men in 2016 were:

- **Liposuction** (45,012 procedures)
- Breast Reduction (31,368 procedures)
- Eyelid Surgery (28,025 procedures)
- Nose Surgery (26,205 procedures)
- Facelift (13,702 procedures)

#### **AGE**



People age 35-50 had the most procedures performed (over 5.3 million accounting for 39.3% of the total).

- **18 and under** = 1.5%
- **19-34** = 17.6%
- **35-50** = 39.3%
- **51-64** = 30%
- **65** and over = 11.5%

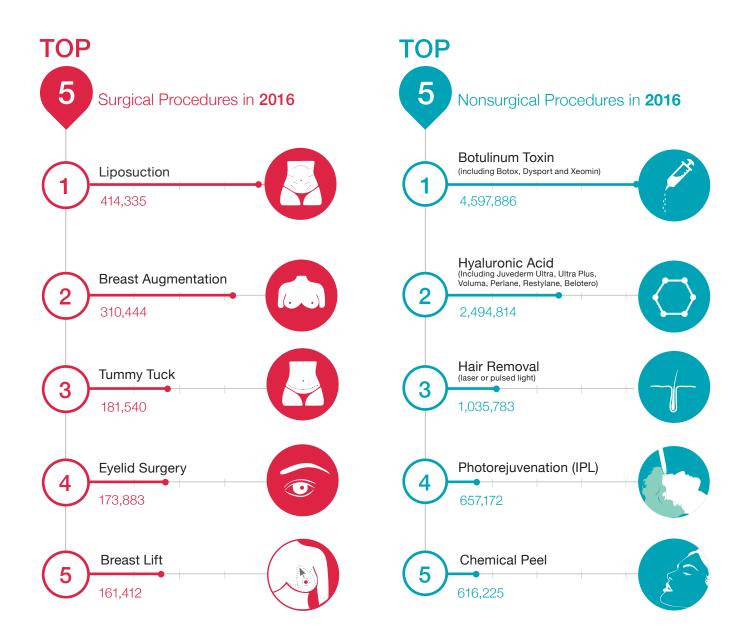


The most common surgical procedures per age group were:

- **18 and under** = Ear Surgery
- **19-34** = Breast Augmentation
- **35-50** = Liposuction
- **51-64** = Liposuction
- **65 and over** = Eyelid Surgery







#### **Quick Facts**

- The Top 5 surgical procedures in 2016 are the same as in 2015, with increases in the number performed of each across the board.
- Photorejuvenation wiped
   Microdermabrasion off the list of
   Top 5 nonsurgical procedures in
   2016.
- Botulinum Toxin has been the #1 nonsurgical procedure since 2000, and surpassed the 4.5 million mark for number of procedures performed for the first time this year.



The top 5 surgical procedures are indicated in bold superscript letters in the column headed Number of Procedures.	Number of Procedures	2016 Rank within Category (Surgical)	2011 Rank within Category	2006 Rank within Category
Surgical Procedure				
Breast Augmentation*	310,444 в	2	2	2
Breast Implant Removal (breast implant explantation)	43,181	10	Х	Х
Breast Lift	161,412 <sup>E</sup>	5	5	8
Breast Reduction (women)**	112,142	8	8	5
Brow Lift	33,703	12	11	11
Buttock Augmentation (implants and fat transfer)	20,673	17	21	22
Buttock Lift	6,847	22	22	21
Chin Augmentation	10,009	20	18	17
Ear Surgery	36,547	11	12	13
Eyelid Surgery	173,883 <sup>D</sup>	4	4	3
Facelift	120,963	7	7	7
Fat Transfer: Breast	25,585	15	Х	Х
Fat Transfer: Buttocks***	19,019	***	Х	Х
Fat Transfer: Face	56,093	9	Х	Х
Labiaplasty (excluding vaginal rejuvenation)	10,774	19	Х	Х
Liposuction	414,335 A	1	1	1
Lower Body Lift	9,777	21	20	20
Male Breast Reduction (for the treatment of Gynecomastia)	31,368	13	16	12
Neck Lift	29,685	14	Х	Х
Nose Surgery	148,143	6	6	6
Thigh Lift	17,869	18	17	16
Tummy Tuck	181,540 <sup>c</sup>	3	3	4
Upper Arm Lift	24,622	16	13	18
Totals - Surgical Procedures	1,979,595			

- Surgery accounted for 56% of the total expenditures on aesthetic cosmetic procedures in 2016.
- For the first time ever, Americans spent more than 15 billion dollars during the calendar year on aesthetic cosmetic procedures.
- The most popular procedure in 2016 was Liposuction, with 414,335 procedures performed.
- x = Rankings for this procedure in prior years is not available. Prior year rankings have been adjusted for equal comparison.

**Notes** 

<sup>\* 13%</sup> of these procedures used saline implants and 87% used silicone implants.

<sup>\*\*</sup> Breast reduction may be covered by insurance, depending on terms of the policy and individual patient factors.

<sup>\*\*\* 8%</sup> of buttock augmentations included implants and 92% were fat transfers.

Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.



The following list includes nonsurgical cosmetic procedures. The top 5 nonsurgical procedures are indicated by bold superscript numbers		
in the column headed Number of Procedures.	Number of Procedures	2016 Rank within Category (Nonsurgical)
Nonsurgical Procedure		
Injectables:		
Botulinum Toxin (including Botox, Dysport, Xeomin)	4,597,886 <sup>1</sup>	1
Calcium Hydroxylapatite (Radiesse)	149,307	11
Hyaluronic Acid (incl. Juvederm Ultra, Ultra Plus, Voluma, Perlane, Restylane, Belotero)	2,494,814 <sup>2</sup>	2
Poly-L-Latic Acid (Sculptra)	83,148	13
Totals - Injectables	7,325,155	
Skin Rejuvenation:		
Chemical Peel	616,225 5	5
Dermabrasion (not including microdermabrasion)	25,951	15
Full Field Ablative (laser skin resurfacing)	316,886	8
Micro-Ablative Resurfacing (fractional resurfacing)	90,133	12
Microdermabrasion	588,173	6
Nonsurgical Skin Tightening (including Ulthera, Thermage, Pelleve)	526,681	7
Photorejuvenation (IPL)	657,172 4	4
Totals - Skin Rejuvenation	2,821,221	
Other:		
Hair Removal (laser or pulsed light)	1,035,783 <sup>3</sup>	3
Nonsurgical Fat Reduction (including CoolSculpting, Vaser Shape, Liposonix)	169,695	10
Sclerotherapy	270,223	9
Tattoo Removal	52,675	14
Totals - Other Nonsurgical Procedures	1,528,377	
Totals - Nonsurgical Procedures	11,674,754	

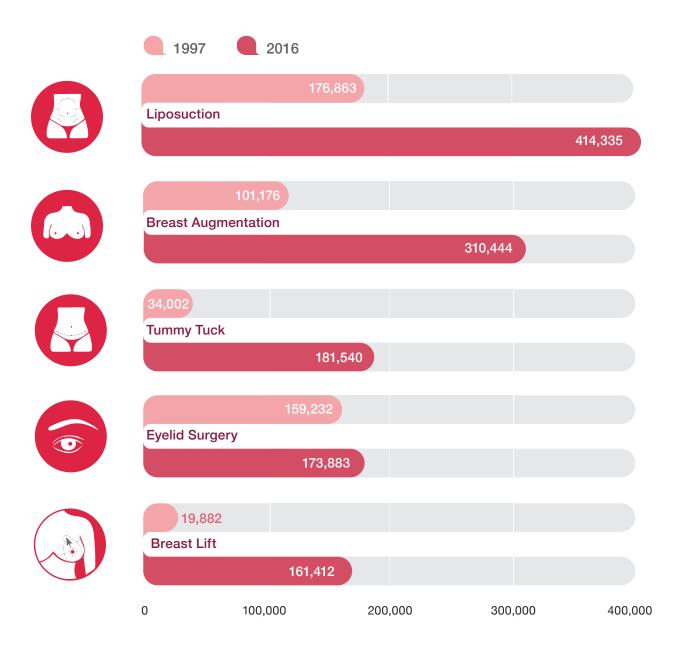
#### **Notes**

- Botulinum Toxin, (Botox, Dysport and Xeomin) and Hyaluronic Acid, (Juvederm Ultra, Ultra Plus, Voluma, Perlane, Restylane and Belotero) have maintained the #1 and #2 spots for most popular nonsurgical procedures for eight years running.
- Hyaluronic Acid became even more popular in 2016, with a 16% increase in number of procedures performed.
- Photorejuvenation (IPL) became the 4th most popular nonsurgical procedure this year, joining the Top 5 list of nonsurgicals again for the first time since 2013.

Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.

## Surgical Procedures: 20-Year Comparison, 1997—2016





#### **Notes**

- Liposuction, the most popular surgical procedure in 2016, has seen a 134% increase in the number of procedures performed since ASAPS initiated its survey in 1997. It is also the #1 surgical procedure for the 4th year running.
- Breast Lifts are up 712% since ASAPS first initiated its survey.
- Tummy Tucks have increased in popularity by 434% in 20 years.

## Percent of Change in Select Procedures: 1997-2016 - Surgical



Note that large percentage changes are common in cases where the total number of procedures is small.	2016	2015	1997	Percent Change 2016 vs 2015	Percent Change 2016 vs 1997
Surgical Procedure					
Breast Augmentation	310,444	305,858	101,176	1.5%	206.8%
Breast Implant Removal (breast implant explantation)	43,181	38,071	n/a	13.4%	n/a
Breast Lift	161,412	148,967	19,882	8.4%	711.8%
Breast Reduction (women)*	112,142	103,077	47,874	8.8%	134.2%
Brow Lift	33,703	33,049	55,090	2.0%	-38.8%
Buttock Augmentation (implants and fat transfer)	20,673	20,713	n/a	-0.2%	n/a
Buttock Lift	6,847	5,678	1,549	20.6%	342.0%
Chin Augmentation	10,009	12,369	27,373	-19.1%	-63.4%
Ear Surgery	36,547	36,727	22,939	-0.5%	59.3%
Eyelid Surgery	173,883	169,708	159,232	2.5%	9.2%
Facelift	120,963	127,297	99,196	-5.0%	21.9%
Fat Transfer: Breast	25,585	18,135	n/a	41.1%	n/a
Fat Transfer: Buttocks**	19,019	18,487	n/a	2.9	n/a
Fat Transfer: Face	56,093	48,059	n/a	16.7%	n/a
Labiaplasty (excluding vaginal rejuvenation)	10,774	8,745	n/a	23.2%	n/a
Liposuction	414,335	396,048	176,863	4.6%	134.3%
Lower Body Lift	9,777	9,312	2,125	5.0%	360.1%
Male Breast Reduction (for the treatment of Gynecomastia)	31,368	30,464	11,168	3.0%	180.9%
Neck Lift	29,685	31,246	n/a	-5.0%	n/a
Nose Surgery	148,143	145,387	137,053	-1.9%	8.1%
Thigh Lift	17,869	16,936	2,895	5.5%	517.2%
Tummy Tuck	181,540	180,717	34,002	0.5%	433.9%
Upper Arm Lift	24,622	25,907	2,516	-5.0%	878.6%
Totals - Surgical Procedures	1,979,595	1,912,468	900,933	3.5%	99.1%

<sup>\*</sup>Breast reduction may be covered by insurance, depending on terms of the policy and individual patient factors.

dna = Does not apply

n/a = Not available (was not collected in that year's survey)

Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.

Percent change totals are based on procedures for which data were collected in both years.

## Percent of Change in Select Procedures: 1997 - 2016 - Nonsurgical



Note that large percentage changes are common in cases where the total number of procedures is small.	2016	2015	1997	Percent Change 2016 vs 2015	Percent Change 2016 vs 1997	2016 Totals With Phys Ext.
Nonsurgical Procedure						
Injectables:						
Botulinum Toxin (including Botox, Dysport, Xeomin)	4,597,886	4,267,038	65,157	7.8%	6956.6%	6,651,345
Calcium Hydroxylapatite (Radiesse)	149,307	153,444	n/a	-2.7%	n/a	204,973
Hyaluronic Acid (incl. Juvederm Ultra, Ultra Plus, Voluma, Perlane, Restylane, Belotero)"	2,494,814	2,148,326	n/a	16.1%	n/a	3,301,977
Poly-L-Latic Acid (Sculptra)	83,148	82,811	n/a	0.4%	n/a	98,844
Totals - Injectables	7,325,155	6,651,620	65,157	10.1%	6,956.6%	10,257,139
Skin Rejuvenation:						
Chemical Peel	616,225	603,305	481,227	2.1%	28.1%	1,218,744
Dermabrasion (not including microdermabrasion)	25,951	28,268	40,214	-8.2%	-35.5%	94,726
Full Field Ablative (laser skin resurfacing)	316,886	326,120	154,153	-2.8%	105.6%	348,996
Micro-Ablative Resurfacing (fractional resurfacing)	90,133	92,075	n/a	-2.1%	n/a	179,380
Microdermabrasion	588,173	557,690	n/a	5.5%	n/a	1,134,142
Nonsurgical Skin Tightening (incl. Ulthera, Thermage, Pelleve)	526,681	471,759	n/a	11.6%	n/a	661,909
Photorejuvenation (IPL)	657,172	482,792	n/a	36.1%	n/a	1,039,645
Totals - Skin Rejuvenation	2,821,221	2,562,009	675,594	10.1%	42.0%	4,677,542
Other:						
Hair Removal (laser or pulsed light)	1,035,783	1,136,834	n/a	-8.9%	n/a	1,586,999
Nonsurgical Fat Reduction (incl. CoolSculpting, Vaser Shape, Liposonix)	169,695	160,763	n/a	5.6%	n/a	169,695
Sclerotherapy	270,223	322,170	n/a	-16.1%	n/a	270,223
Tattoo Removal	52,675	46,514	n/a	13.2%	n/a	52,675
Totals - Other Nonsurgical Procedures	1,528,377	1,666,281	n/a	-8.3%	n/a	2,079,593
Totals - Nonsurgical Procedures	11,674,754	10,879,909	740,751	7.3%	650.2%	17,014,274

<sup>\*</sup>Breast reduction may be covered by insurance, depending on terms of the policy and individual patient factors.

dna = Does not apply

n/a = Not available (was not collected in that year's survey)

Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.

Percent change totals are based on procedures for which data were collected in both years.







## **TOP 5**

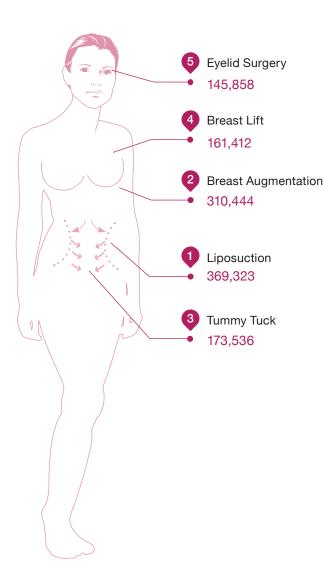


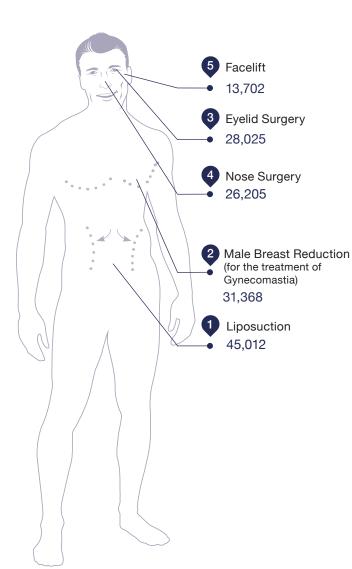
Cosmetic Surgeries for Women in 2016

## **TOP 5**



Cosmetic Surgeries for Men in 2016





#### Notes

- Women had more than 1.7 million surgical procedures in 2016, 91% of the total.
- Liposuction is again the most popular surgical procedure for women and men.
- Men had close to 200,000 surgical procedures, 9.3% of the total.
- Male Breast Reduction for the treatment of Gynecomastia has risen by 181% since ASAPS initiated its survey in 1997.







The following list includes gender distribution data for surgical		Q FEMAL	E	O' MALE			
cosmetic procedures. The rankings of procedures within their surgical categories are indicated in the column Rank within Category.	Number of Procedures	Percent of Total	Rank within Category (Surgical)	Number of Procedures	Percent of Total	Rank within Category (Surgical)	
Surgical Procedure							
Breast Augmentation	310,444	100.0%	2	dna	dna	dna	
Breast Implant Removal (breast implant explantation)	43,181	100.0%	10	dna	dna	dna	
Breast Lift	161,412	100.0%	4	dna	dna	dna	
Breast Reduction (women)*	112,142	100.0%	7	dna	dna	dna	
Brow Lift	30,285	89.9%	11	3,418	10.1%	10	
Buttock Augmentation (implants and fat transfer)	20,126	97.4%	16	547	2.6%	14	
Buttock Lift	6,594	96.3%	21	252	3.7%	16	
Chin Augmentation	7,693	76.9%	20	2,316	23.1%	11	
Ear Surgery	26,090	71.4%	12	10,457	28.6%	6	
Eyelid Surgery	145,858	83.9%	5	28,025	16.1%	3	
Facelift	107,261	88.7%	8	13,702	11.3%	5	
Fat Transfer: Breast	25,585	100.0%	13	dna	dna	dna	
Fat Transfer: Buttocks**	18,756	98.6%	X	263	1.4%	X	
Fat Transfer: Face	50,440	89.9%	9	5,653	10.1%	9	
Labiaplasty (excluding vaginal rejuvenation)	10,774	100.0%	18	dna	dna	dna	
Liposuction	369,323	89.1%	1	45,012	10.9%	1	
Lower Body Lift	8,166	83.5%	19	1,612	16.5%	12	
Male Breast Reduction (for the treatment of Gynecomastia)	dna	dna	dna	31,368	100.0%	2	
Neck Lift	23,366	78.7%	15	6,319	21.3%	8	
Nose Surgery	121,938	82.3%	6	26,205	17.7%	4	
Thigh Lift	16,770	93.8%	17	1,099	6.2%	13	
Tummy Tuck	173,536	95.6%	3	8,004	4.4%	7	
Upper Arm Lift	24,096	97.9%	14	526	2.1%	15	
Totals - Surgical Procedures	1,795,081	90.7%		184,515	9.3%		

<sup>\*</sup>Breast Reduction may be covered by insurance, depending on terms of the policy and individual patient factors. dna = Does not apply

<sup>\*\*</sup>Number already counted in combined Buttock Augmentation procedures (implants and fat transfer)

x = Rank not provided since this is a subset of total Buttock Augmentation figures.

## 2016 Gender Distribution for Cosmetic Procedures - Nonsurgical







The following list includes gender distribution data for nonsurgical		Q FEMALE		O' MALE			
cosmetic procedures. The rankings of procedures within their nonsurgical categories are indicated in the column Rank within Category.	Number of Procedures	Percent of Total	Rank within Category (Nonsurgical)	Number of Procedures	Percent of Total	Rank within Category (Nonsurgical)	
Nonsurgical Procedure							
Injectables:							
Botulinum Toxin (including Botox, Dysport, Xeomin)	4,144,605	90.1%	1	453,281	9.9%	1	
Calcium Hydroxylapatite (Radiesse)	132,218	88.6%	11	17,089	11.4%	11	
Hyaluronic Acid (incl. Juvederm Ultra, Ultra Plus, Voluma, Perlane, Restylane, Belotero)	2,326,026	93.2%	2	168,788	6.8%	2	
Poly-L-Latic Acid (Sculptra)	71,095	85.5%	13	12,053	14.5%	12	
Totals - Injectables	6,673,944	91.1%		651,211	8.9%		
Skin Rejuvenation:							
Chemical Peel	574,141	93.2%	5	42,084	6.8%	5	
Dermabrasion (not including microdermabrasion)	21,950	84.6%	15	4,001	15.4%	15	
Full Field Ablative (laser skin resurfacing)	287,694	90.8%	8	29,191	9.2%	8	
Micro-Ablative Resurfacing (fractional resurfacing)	82,141	91.1%	12	7,992	8.9%	13	
Microdermabrasion	547,936	93.2%	6	40,237	6.8%	6	
Nonsurgical Skin Tightening (incl. Ulthera, Thermage, Pelleve)	497,215	94.4%	7	29,466	5.6%	7	
Photorejuvenation (IPL)	596,423	90.8%	4	60,749	9.2%	4	
Totals - Skin Rejuvenation	2,607,501	92.4%		213,720	7.6%		
Other:							
Hair Removal (laser or pulsed light)	910,224	87.9%	3	125,560	12.1%	3	
Nonsurgical Fat Reduction (incl. CoolSculpting, Vaser Shape, Liposonix)	148,461	87.5%	10	21,234	12.5%	9	
Sclerotherapy	265,030	98.1%	9	5,193	1.9%	14	
Tattoo Removal	33,270	63.2%	14	19,405	36.8%	10	
Totals - Other Nonsurgical Procedures	1,356,985	88.8%		171,392	11.2%		
Totals - Nonsurgical Procedures	10,638,430	91.1%		1,036,324	8.9%		

Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.

## 2016 Age Distribution for Cosmetic Procedures - Surgical





The top 3 surgical procedures in each	18 and	Under	19-5	34	35-	50	51-	64	65-	+
age category are indicated in bold and with bold superscript letters.	Number of Procedures	Percent of Procedural Total								
Surgical Procedure										
Breast Augmentation	3,140	1.0%	147,570 A	47.5%	121,152 B	39.0%	33,127	10.7%	5,455	1.8%
Breast Implant Removal (breast implant explantation)	132	0.3%	4,157	9.6%	18,547	43.0%	16,255	37.6%	4,091	9.5%
Breast Lift	1,121	0.7%	35,336	21.9%	80,769	50.0%	37,992	23.5%	6,194	3.8%
Breast Reduction (women)*	<b>4,847</b> °	4.3%	30,661	27.3%	43,659	38.9%	27,357	24.4%	5,618	5.0%
Brow Lift	0	0.0%	735	2.2%	8,590	25.5%	17,005	50.5%	7,373	21.9%
Buttock Augmentation (implants and fat transfer)	339	1.6%	7,387	35.7%	10,107	48.9%	2,447	11.8%	393	1.9%
Buttock Lift	0	0.0%	1,796	26.2%	3,507	51.2%	1,375	20.1%	168	2.5%
Chin Augmentation	492	4.9%	3,501	35.0%	3,711	37.1%	1,678	16.8%	626	6.3%
Ear Surgery	11,821 ^	32.3%	12,932	35.4%	6,499	17.8%	4,102	11.2%	1,192	3.3%
Eyelid Surgery	216	0.1%	5,386	3.1%	47,820	27.5%	80,851	46.5%	39,611 <sup>A</sup>	22.8%
Facelift	0	0.0%	563	0.5%	16,012	13.2%	66,728 °	55.2%	37,660 в	31.1%
Fat Transfer: Breast	254	1.0%	4,852	19.0%	11,548	45.1%	7,204	28.2%	1,727	6.8%
Fat Transfer: Buttocks**	66	0.3	6,651	35%	9,449	49.7%	2,392	12.6%	395	2.1%
Fat Transfer: Face	0	0.0%	3,049	5.4%	14,484	25.8%	26,908	48.0%	11,652	20.8%
Labiaplasty (excluding vaginal rejuvenation)	559	5.2%	5,504	51.1%	3,986	37.0%	670	6.2%	56	0.5%
Liposuction	3,045	0.7%	108,443 <sup>B</sup>	26.2%	196,385 <sup>^</sup>	47.4%	88,304 A	21.3%	18,159 °	4.4%
Lower Body Lift	0	0.0%	1,719	17.6%	5,265	53.8%	2,579	26.4%	215	2.2%
Male Breast Reduction (for the treatment of Gynecomastia)	2,265	7.2%	15,647	49.9%	9,750	31.1%	3,075	9.8%	630	2.0%
Neck Lift	0	0.0%	334	1.1%	5,893	19.9%	15,196	51.2%	8,262	27.8%
Nose Surgery	11,059 B	7.5%	<b>71,007</b> °	47.9%	44,182	29.8%	18,561	12.5%	3,334	2.3%
Thigh Lift	0	0.0%	2,360	13.2%	9,690	54.2%	4,994	28.0%	824	4.6%
Tummy Tuck	420	0.2%	35,598	19.6%	97,131 °	53.5%	40,372	22.2%	8,018	4.4%
Upper Arm Lift	0	0.0%	2,210	9.0%	9,365	38.0%	9,891	40.2%	3,157	12.8%
Totals - Surgical Procedures	39,709	2.0%	500,746	25.3%	768,053	38.8%	506,671	25.6%	164,415	8.3%

<sup>\*</sup>Breast reduction may be covered by insurance, depending on terms of the policy and individual patient factors.

Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.





The top 3 nonsurgical procedures in	18 and l	Jnder	19-3	34	35-	50	51-	64	65	+
each age category are indicated in bold and with bold superscript numbers.	Number of Procedures	Percent of Procedural Total								
Nonsurgical Procedure										
Injectables:										
Botulinum Toxin (including Botox, Dysport, Xeomin)	11,651	0.3%	702,455 <sup>1</sup>	15.3%	1,976,881	43.0%	1,369,293	29.8%	537,606 <sup>1</sup>	11.7%
Calcium Hydroxylapatite (Radiesse)	152	0.1%	8,493	5.7%	61,036	40.9%	53,911	36.1%	25,715	17.2%
Hyaluronic Acid (incl. Juvederm Ultra, Ultra Plus, Voluma, Perlane, Restylane, Belotero)	21,019	0.8%	350,579 <sup>3</sup>	14.1%	932,775	37.4%	858,896 <sup>2</sup>	34.4%	331,545 <sup>2</sup>	13.3%
Poly-L-Latic Acid (Sculptra)	0	0.0%	3,610	4.3%	23,351	28.1%	39,722	47.8%	16,464	19.8%
Totals - Injectables	32,822	0.4%	1,065,138	14.5%	2,994,044	40.9%	2,321,823	31.7%	911,329	12.4%
Skin Rejuvenation:										
Chemical Peel	18,632 <sup>3</sup>	3.0%	108,014	17.5%	209,982	34.1%	196,619	31.9%	82,978 <sup>3</sup>	13.5%
Dermabrasion (not including microdermabrasion)	97	0.4%	3,047	11.7%	6,703	25.8%	10,209	39.3%	5,895	22.7%
Full Field Ablative (laser skin resurfacing)	1,232	0.4%	30,075	9.5%	91,229	28.8%	131,435	41.5%	62,913	19.9%
Micro-Ablative Resurfacing (fractional resurfacing)	2,210	2.5%	11,754	13.0%	31,218	34.6%	31,879	35.4%	13,071	14.5%
Microdermabrasion	31,822 2	5.4%	105,186	17.9%	198,898	33.8%	161,276	27.4%	90,992	15.5%
Nonsurgical Skin Tightening (incl. Ulthera, Thermage, Pelleve)	2,874	0.5%	50,618	9.6%	206,993	39.3%	193,662 <sup>3</sup>	36.8%	72,534	13.8%
Photorejuvenation (IPL)	2,019	0.3%	95,071	14.5%	233,258	35.5%	231,792	35.3%	95,032	14.5%
Totals - Skin Rejuvenation	58,889	2.1%	403,764	14.3%	978,281	34.7%	956,873	33.9%	423,415	15.0%
Other:										
Hair Removal (laser or pulsed light)	72,555 1	7.0%	338,381 <sup>2</sup>	32.7%	414,049	40.0%	168,148	16.2%	42,651	4.1%
Nonsurgical Fat Reduction (incl. CoolSculpting, Vaser Shape, Liposonix)	1,565	0.9%	35,866	21.1%	72,754	42.9%	46,945	27.7%	12,566	7.4%
Sclerotherapy	547	0.2%	38,538	14.3%	116,646	43.2%	93,416	34.6%	21,075	7.8%
Tattoo Removal	3,232	6.1%	26,205	49.7%	15,803	30.0%	5,917	11.2%	1,519	2.9%
Totals - Other Nonsurgical Procedures	77,899	5.1%	438,989	28.7%	619,252	40.5%	314,426	20.6%	77,810	5.1%
Totals - Nonsurgical Procedures	169,610	1.5%	1,907,891	16.3%	4,591,577	39.3%	3,593,121	30.8%	1,412,554	12.1%

<sup>\*</sup>Breast reduction may be covered by insurance, depending on terms of the policy and individual patient factors.

Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.









Total population (rounded) = 100%





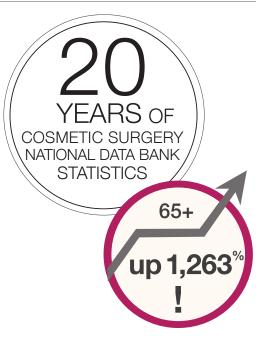




A five-year overview of both surgical and nonsurgical procedures for those over 65 tells the story:

	2012	2016
Surgical	104,030	164,415
Nonsurgical	730,042	1,412,554
Combined	834,072	1,576,969

Source: American Society for Aesthetic Plastic Surgery



In just two decades, the number of procedures performed among those age 65 and over has increased by a stunning **1,263%**.



**Surgical procedures** for men and women **65+** have increased by **58%** in just five years.



**Nonsurgical procedures** for men and women 65+ have increased by **93%** in just five years.



Combined **surgical** and **nonsurgical** procedures for men and women **65+** have increased by **89%** in just five years.















Women are becoming more savvy about the variety of options available to them when it comes to aesthetic procedures. They have a broader array of desires that aren't always based on trends, and they know what they want.

- Fat grafting to the breast is **up 41%** in the past year alone.
- Explantation, (breast implant removal) is up 13.4% in 2016 and breast lifts are up 8.4%. Many women are opting for lifts, smaller implants and subtle volume enhancements.
- Labiaplasty, once a niche procedure, is becoming mainstream, with a 23.2% increase in 2016 and with 36% of all plastic surgeons now offering the procedure in their practices.



## MEN APPRECIATE THE VALUE OF MAINTENANCE

More men continue to pursue cosmetic procedures, accounting for nearly 1 in 10 procedures performed in the United States. They are just as likely to pursue surgical procedures as nonsurgical, and are readily embracing numerous tactics to 'manscape' and 'mantain,' including laser hair removal, injectables like Botox and HAs, photorejuvenation and chemical peels.

- Men had nearly **185,000 surgical procedures**, (9% of the total) and more than 1 million nonsurgical procedures, (9% of the total) in 2016.
- Male breast reduction, (for the treatment of Gynecomastia; excessive breast tissue in men), has risen in popularity by 181% since ASAPS began surveying for cosmetic surgical data 20 years ago.
- Photorejuvenation, (AKA IPL) became significantly more popular for men in 2016, with a total of 60,749 procedures performed.

Fat Grafting to the Breast, up 41%





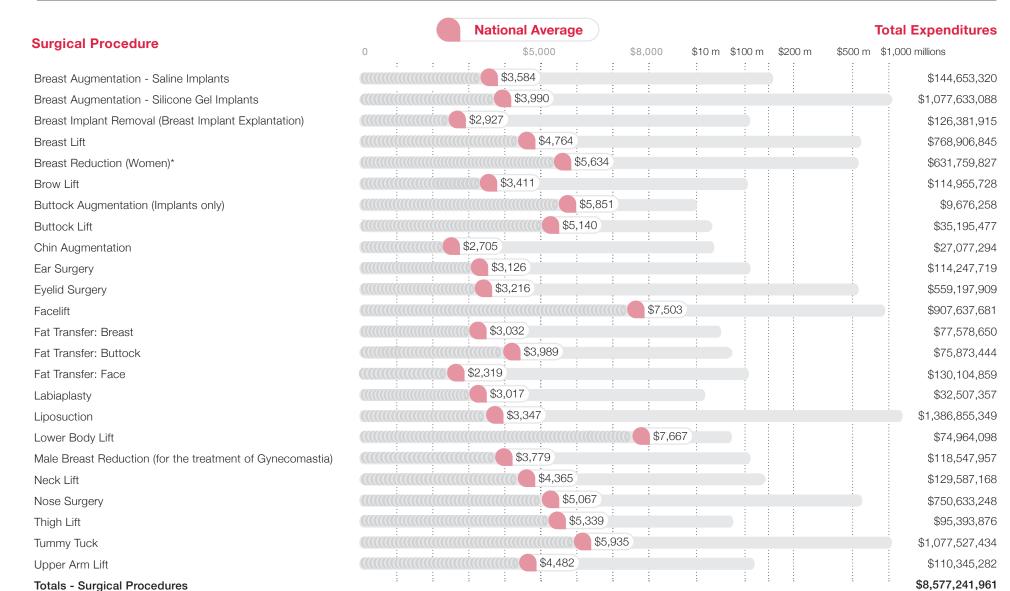




## 2016 National Average for Physician/Surgeon Fees Per Procedure - Surgical







Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures.

\*Breast reduction may be covered by insurance, depending on terms of the policy and individual patient factors.





Nonsurgical Procedure	National Average	Total Expenditures
Injectables:		
Botulinum Toxin (including Botox, Dysport, Xeomin)	\$376	\$1,728,805,170
Calcium Hydroxylapatite (Radiesse)	\$698	\$104,232,904
Hyaluronic Acid (incl. Juvederm Ultra, Ultra Plus, Voluma, Perlane, Restylane, Belotero)	\$620	\$1,546,959,377
Poly-L-Latic Acid (Sculptra)	\$923	\$76,765,493
Totals - Injectables		\$3,456,762,944
Skin Rejuvenation:		
Chemical Peel	\$535	\$329,920,661
Dermabrasion (not including microdermabrasion)	\$1,368	\$35,489,200
Full Field Ablative (laser skin resurfacing)	\$2,681	\$849,456,501
Micro-Ablative Resurfacing (fractional resurfacing)	\$1,410	\$127,071,123
Microdermabrasion	\$139	\$81,956,094
Nonsurgical Skin Tightening (incl. Ulthera, Thermage, Pelleve)	\$1,802	\$949,195,818
Photorejuvenation (IPL)	\$354	\$232,678,342
Totals - Skin Rejuvenation		\$2,605,767,740
Other:		
Hair Removal (laser or pulsed light)	\$354	\$366,750,215
Nonsurgical Fat Reduction (incl. CoolSculpting, Vaser Shape, Liposonix)	\$1,458	\$247,364,726
Sclerotherapy	\$360	\$97,358,797
Tattoo Removal	\$463	\$24,384,186
Totals - Other Nonsurgical Procedures		\$735,857,924
Totals - Nonsurgical Procedures		\$6,798,388,607

<sup>•</sup> Figures for procedures include but are not limited to those performed by ASAPS members. ASAPS members are plastic surgeons certified by the American Board of Plastic Surgery who specialize in cosmetic surgery of the face and the entire body. Figures are for physician/surgeon fees only and do not include fees for the surgical facility, anesthesia, medical tests, prescriptions, surgical garments, or other miscellaneous costs related to surgery. Figures for procedures often performed on more than one site in the same session reflect typical fees for one site.

<sup>•</sup> Component figures may not add exactly to totals and percentages may not equal 100% due to rounding.

<sup>•</sup> Hair transplantation, Upper body lift, Polymethylmethacrylate, Cellulite treatment, and Treatment of leg veins were excluded from the results, due to an insufficient sample of responding physicians who perform those procedures



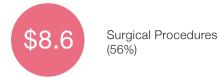




Americans Spent More Than

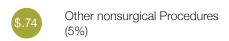


on Cosmetic Procedures in 2016.



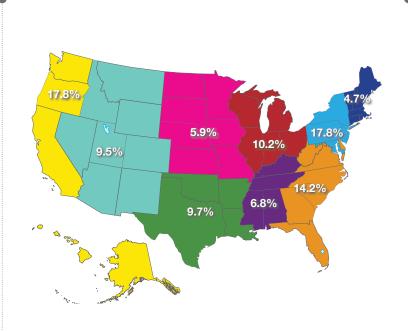






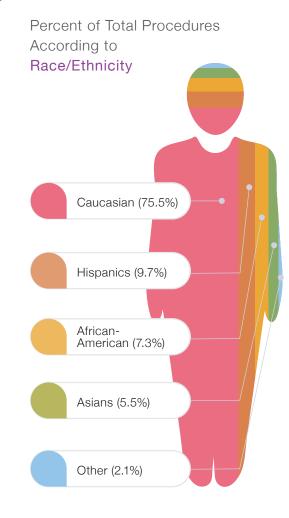
• \$ in billions

Source: American Society for Aesthetic Plastic Surgery



Practice Locations by Region	%
New England (CT, ME, MA, NH, RI, VT)	4.7%
Middle Atlantic (MD, NJ, NY, PA, DC)	17.8%
South Atlantic (DE, FL, GA, NC, SC, VA, WV)	14.2%
East North Central (IL, IN, MI, OH, WI)	10.2%
East South Central (AL, KY, MS, TN)	6.8%
West North Central (IA, KS, MN, MO, NE, ND, SD)	5.9%
West South Central (AR, LA, OK, TX)	9.7%
Mountain (AZ, CO, ID, MT, NV, NM, UT, WY)	9.5%
Pacific (AK, CA, HI, OR, WA)	17.8%
Other	3.6%

Source: American Society for Aesthetic Plastic Surgery



Total ethnic minority population (rounded) = 25%

## ASAPS Procedure Quick Facts





Surgical Procedures	Best Candidate	Physician/Surgeon Fees*	Length of Procedure	Number of Treatments	Back to Work
Breast Augmentation (saline) Breast Augmentation (silicone) Breast Implant Removal (Explantation)	Small breasts, breast asymmetry	\$3,584 \$3,990 \$2,927	1-2 hours	One	1-2 weeks
Breast Lift	Sagging, poorly shaped breasts	\$4,764	1 1/2-3 1/2 hours	One	1-2 weeks
Breast Reduction	Large, heavy, pendulous, or disproportionate breasts	\$5,634	2-4 hours	One	1-2 weeks
Brow Lift	Sagging, low eyebrows, forehead creases, frown lines	\$3,411	1-2 hours	One	Within 10 days
Buttock Augmentation (implants only)	Weight loss or minimal volume buttock	\$5,851	1-2 hours	One	1 week
Buttock Lift	Sagging skin, excess fat, weakened muscles in thigh/buttocks area	\$5,140	2 hours	One	2-4 weeks
Chin Augmentation/ Genioplasty	Receding chin	\$2,705	1 hour	One	1-2 weeks
Ear Surgery	Protruding or disproportionate ears	\$3,126	2-3 hours	One	5-14 days
Eyelid Surgery	Excess fat, wrinkled or drooping skin, upper eyelids, bags, puffiness under eyes	\$3,216	1-3 hours	One	Within 10 days
Facelift	Loose skin, deep lines, wrinkles, jowls	\$7,503	2-3 hours	One	Within 2 weeks
Fat Transfer - Breast Fat Transfer - Buttocks Fat Transfer - Face	Lack of volume Lack of volume Lack of volume	\$3,032 \$3,989 \$2,319	2-4 hours 2-4 hours 1-1 1/2 hours	Two+ One+ One+	2-3 days 1 week 2 weeks
Labiaplasty	Enlarged labia minora, often asymmetric, often protrudes beyond the labia majora	\$3,017	1 hour	One	1 week
Liposuction (various techniques)	Normal weight with isolated fatty areas	\$3,347	45 minutes - 2 hours	One	1-2 weeks
Lower Body Lift	Laxity of thighs, buttock, and abdomen	\$7,667	Up to 8 hours	One	Up to 4 weeks
Male Breast Reduction	Gynecomastia	\$3,779	2 hours	One	1 week
Neck Lift	Loose, sagging, excess skin	\$4,365	2-3 hours	One	Within 2 weeks
Nose Surgery	Nose too large, wide, or tip needs reshaping, deformity after trauma	\$5,067	1-2 hours	One	7-10 days
Thigh Lift	Loose, excess skin	\$5,339	2 hours	One	2-4 weeks
Tummy Tuck	Protruding abdomen, excess fat and skin, weak abdominal muscles	\$5,935	2-5 hours	One	2-4 weeks
Upper Arm Lift	Excess skin and fat on underside of arm	\$4,482	2 hours	One	1-2 weeks

<sup>\*</sup> National average; surgeon fees are based on ASAPS 2016 Statistics. Fees vary considerably by geographic region. Facility fees, anesthesia and other surgical costs not included.

<sup>\*\*</sup> With any surgical procedure, a revision or touch-up may sometimes be necessary.

<sup>+</sup> Varies from patient to patient.

## ASAPS Procedure Quick Facts continued





Nonsurgical Procedures	Best Candidate	Physician/Surgeon Fees*	Length of Procedure	Number of Treatments	Back to Work
Botulinum Toxin (Botox, Dysport, Xeomin)	Frown lines, crow's feet	\$376	30 minutes	Repeat treatments 4-6 months (onset of actions in 1-5 days)	No downtime
Calcium Hydroxylapatite (Radiesse)	Nasolabial folds, frown lines, crow's feet, lips	\$698	Less than 1 hour	Repeat treatments 2 years or longer	No downtime
Chemical Peel (ranges from light to deep)	Sun-damaged, unevenly pigmented skin	\$535	1/2 hour - 3 hours Depends on type of peel	One or multiple Depends on type of peel	Depends on type of peel
Dermabrasion	Acne, wrinkles around mouth, sun-damaged skin	\$1,368	A few minutes - 1 1/2 hours	Multiple sessions	7-10 days
Full Field Ablative (laser skin resurfacing)	Fair, non-oily skin, sun-damaged facial skin, wrinkles around mouth and eyes, acne scars		Variable, up to 1 1/2 hours	One or multiple depending on laser and skin condition	Variable, up to 14 days
Hyaluronic Acid (including Juvederm Ultra, Ultra Plus, Voluma, Perlane, Restylane, Belotero)	Nasolabial folds, forehead wrinkles, smile lines, and lips	\$620	Less than 1 hour	Repeat treatments 4 months – 1 year	No downtime
Laser Hair Removal	Unwanted hair on face or body	\$354	1-2 hours Depends on area	Multiple sessions	No downtime
Micro-Ablative Resurfacing (fractional resurfacing)	Actinic changes, lines, acne scars Pigment, superficial lines	\$1,410	30 minutes - 1 hour	1-6 depending	1-10 days depending
Microdermabrasion	Fine lines, crow's feet, age spots, acne scars	\$139	30 minutes - 1 hour	Multiple sessions 2-3 week intervals	No downtime
Nonsurgical Fat Reduction (including CoolSculpting, Vaser Shape, Liposonix)	Diet-resistant fat, mild lipodystrophy	\$1,458	1-3 hours	1-6	No downtime, minimal soreness
Nonsurgical Skin Tightening (including Ulthera, Thermage, Pelleve)	Early skin laxity with good skin tone and elasticity	\$1,802	1-2 hours	1-6	Minimal downtime
Photorejuvenation (IPL)	Pigment, superficial lines	\$354	10-30 minutes	3-5	No downtime
Poly-L-Latic Acid (Sculptra)	Cheeks, temple, jawline, volume loss, fat in face	\$923	Less than 1 hour	2-4	Minimal downtime
Sclerotherapy	Spider veins	\$360	30 minutes - 1 hour	3-4 Treatments Injections	No downtime
Tattoo Laser Treatment	Unwanted tattoo	\$463	10 minutes - 1 hour	Multiple sessions	No downtime

<sup>\*</sup> National average; surgeon fees are based on ASAPS 2016 Statistics. Fees vary considerably by geographic region. Facility fees, anesthesia and other surgical costs not included.

<sup>\*\*</sup> With any surgical procedure, a revision or touch-up may sometimes be necessary.

#### ASAPS Quick Facts



- The American Society for Aesthetic Plastic Surgery (ASAPS)
- Founded in 1967
- Primary mission: education and research in cosmetic plastic surgery
- Over 2,600 members, mostly in the U.S. and Canada
- International members in 38 countries
- U.S. members are plastic surgeons certified by the American Board of Plastic Surgery (in Canada, by the Royal College of Physicians and Surgeons of Canada) and specializing in cosmetic surgery of the face and body
- Accredited sponsor of cosmetic surgery Continuing Medical Education (CME) for qualified plastic surgeons since 1974
- Sponsor of the Cosmetic Surgery National Data Bank since 1997
- Peer-reviewed publication: <u>Aesthetic Surgery Journal</u>, the world's most widely read clinical journal of cosmetic surgery
- Members must perform a minimum number of aesthetic cases to be eligible for membership and perform all surgical procedures in an accredited facility
- All members, due to their extensive training in anatomy of the face and body, are uniquely qualified to perform both surgical and non-invasive procedures
- The Aesthetic Meeting has long been considered the premier educational event for board-certified plastic surgeons. Its attendance is restricted to this physician group





The Aesthetic Society has a number of websites devoted to consumers, (to help them make informed decisions), physicians and media.

#### For Consumers:

www.smartbeautyguide.com

(Procedural info, physician Q&As, blogs, surgeon locator and more)

#### For Physicians and Media:

www.surgery.org

(For annual statistics, press releases and news)

www.aestheticsurgeryjournal.com

(The clinical journal of the American Society for Aesthetic Plastic Surgery)

#### Social:

Follow ASAPS on Twitter: www.twitter.com/ASAPS

Become a fan of ASAPS on Facebook: <a href="www.facebook.com/AestheticSociety">www.facebook.com/AestheticSociety</a>
Check us out on Instagram: <a href="www.instagram.com/theaestheticsocietyasaps/">www.instagram.com/theaestheticsocietyasaps/</a>

Join Smart Beauty Guide: www.smartbeautyguide.com

Locate a plastic surgeon in your area: www.smartbeautyguide.com/select-surgeon



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