



THE AMERICAN SOCIETY FOR
AESTHETIC PLASTIC SURGERY, INC.

ASAPS 1998 STATISTICS ON COSMETIC SURGERY

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Introduction to ASAPS Statistics

ASAPS has compiled the 1998 Statistics on Cosmetic Surgery to be the single most reliable estimate of the total number of cosmetic surgical and nonsurgical procedures performed in the United States last year.

The data were compiled by Industry Insights, Inc., an independent research firm, and based on responses to written surveys sent to more than 5000 physicians in three medical specialties (plastic surgery, dermatology and otolaryngology). The survey portion of this research has a standard error of +/- 4.0% at a 95% level of confidence. Final figures are projected to reflect nationwide statistics.

The greater value of ASAPS statistics to your research on cosmetic surgery is:

- ASAPS is widely recognized as the authoritative source for cosmetic surgery information
- ASAPS numbers reflect the contributions of multiple specialties
- ASAPS data is based on actual written surveys projected to reflect national totals
- The ASAPS 1998 survey has been updated to include the latest "ancillary" procedures such as laser hair removal and cellulite treatment

ABOUT ASAPS

The American Society for Aesthetic Plastic Surgery (ASAPS), founded in 1967, is recognized throughout the world as the leading organization for cosmetic surgery education and research. Its members are plastic surgeons certified by the American Board of Plastic Surgery (or, in Canada, by the Royal College of Physicians and Surgeons of Canada) who have met additional professional and continuing education requirements in cosmetic surgery qualifying them for membership. (See 1998 ASAPS Member Practice Profile on page 7.)

PLEASE CREDIT THE AMERICAN SOCIETY FOR AESTHETIC PLASTIC SURGERY (ASAPS) WHEN CITING STATISTICAL DATA.

For more information, or to arrange interviews with ASAPS spokespersons, contact Barbara Callas, RN, Media Relations Manager, 212.921.0500.

1998 National Totals for Cosmetic Procedures

The following list includes both cosmetic surgical and nonsurgical procedures. The top 5 *surgical* procedures are indicated in bold superscript *numbers* in the column headed Number of Procedures, while the top 5 *nonsurgical* procedures are indicated by bold superscript *letters*. The rankings of procedures overall (surgical and nonsurgical categories combined) are indicated in the column Overall Rank.

Procedure	Overall Rank	Number of Procedures	Percent of Total
Abdominoplasty (tummy tuck)	16	42,249	1.5%
Blepharoplasty (cosmetic eyelid surgery)	5	182,456 ²	6.6%
Botox injection	6	157,439 ^D	5.7%
Breast augmentation	8	126,913 ⁴	4.6%
Breast lift	21	26,043	0.9%
Breast reduction (women)*	13	68,531	2.5%
Buttock lift	28	1,555	0.1%
Cellulite Treatment (mechanical roller massage therapy)	17	37,006	1.3%
Cheek implants	25	5,690	0.2%
Chemical peel	1	393,286 ^A	14.2%
Chin augmentation	23	16,021	0.6%
Collagen injection	2	367,170 ^B	13.2%
Dermabrasion	18	36,176	1.3%
Facelift	11	100,208 ^S	3.6%
Fat injection	12	73,419	2.6%
Forehead lift	15	46,711	1.7%
Gynecomastia, treatment of	24	11,995	0.4%
Hair transplantation	19	35,237	1.3%
Laser hair removal	10	109,544	4.0%
Laser skin resurfacing	9	123,666 ^E	4.5%
Laser treatment of leg veins	14	57,850	2.1%
Lip augmentation (other than injectable materials)	20	26,104	0.9%
Lipoplasty (liposuction)**	4	218,064 ¹	7.9%
Lower body lift	29	1,490	0.1%
Otoplasty (cosmetic ear surgery)	22	18,881	0.7%
Rhinoplasty (nose reshaping)	7	133,058 ³	4.8%
Sclerotherapy	3	349,748 ^C	12.6%
Thigh lift	26	3,331	0.1%
Upper arm lift	27	3,081	0.1%
TOTALS		2,772,924	100.0%

*Breast reduction may be covered by insurance, depending on the patient's breast size, body type and symptoms.

**22.9% of these procedures used ultrasound.

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- Component figures may not add exactly to totals and percentages may not equal 100% due to rounding. In no cases are the sums of component figures off by more than .02% from the national total number of procedures.
- 1997 was the first year for which ASAPS compiled these statistics, and the ASAPS statistical data are developed annually.
- The ASAPS 1998 *Statistics on Cosmetic Surgery* were funded by the Aesthetic Surgery Education and Research Foundation.

Percent of Change in Select Procedures: 1997-1998

Percent change figures are shown only for those procedures that were addressed in both years' surveys. Note that large percentage changes are common in cases where the total number of procedures is small.

Procedure	1998	1997	Percent Change	Percent Change Female	Percent Change Male
Abdominoplasty (tummy tuck)	42,249	34,002	+24%	+24%	+37%
Blepharoplasty (cosmetic eyelid surgery)	182,456	159,232	+15%	+15%	+11%
Botox injection	157,439	65,157	+142%	+147%	+84%
Breast augmentation	126,913	101,176	+25%	+25%	DNA
Breast lift	26,043	19,882	+31%	+31%	DNA
Breast reduction (women)*	68,531	47,874	+43%	+43%	DNA
Buttock lift	1,555	1,549	+0%	-2%	+130%
Cheek implants	5,690	11,040	-48%	-43%	-69%
Chemical peel	393,286	481,227	-18%	-17%	-35%
Chin augmentation	16,021	27,373	-41%	-39%	-48%
Collagen injection	367,170	347,168	+6%	+8%	-21%
Dermabrasion	36,176	40,214	-10%	-4%	-30%
Facelift	100,208	99,196	+1%	+1%	+1%
Fat injection	73,419	38,259	+92%	+99%	+22%
Forehead lift	46,711	55,090	-15%	-14%	-26%
Gynecomastia, treatment of	11,995	11,168	+7%	DNA	+7%
Hair transplantation	35,237	61,023	-42%	-64%	-38%
Laser skin resurfacing	123,666	154,153	-20%	-15%	-49%
Lipoplasty (liposuction)	218,064	176,863	+23%	+27%	+3%
Lower body lift	1,490	2,125	-30%	-28%	-55%
Otoplasty (cosmetic ear surgery)	18,881	22,939	-18%	-17%	-19%
Rhinoplasty (nose reshaping)	133,058	137,053	-3%	+3%	-15%
Thigh lift	3,331	2,895	+15%	+15%	+13%
Upper arm lift	3,081	2,516	+22%	+22%	+287%
Subtotal	2,192,671	2,099,173	+4%	+8%	-18%
Cellulite Treatment (mechanical roller massage therapy)	37,006	NA	NA	NA	NA
Laser hair removal	109,544	NA	NA	NA	NA
Laser treatment of leg veins	57,850	NA	NA	NA	NA
Lip augmentation (other than injectable materials)	26,104	NA	NA	NA	NA
Sclerotherapy	349,748	NA	NA	NA	NA
Total	2,772,924				

*Breast reduction may be covered by insurance, depending on the patient's breast size, body type and symptoms.

DNA = Does not apply

NA = Not available (was not asked in prior survey)

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1998 Gender Distribution for Cosmetic Procedures

The following list includes both cosmetic surgical and nonsurgical procedures. For both males and females, the top 5 *surgical* procedures are indicated in bold superscript *numbers* in the column headed Number, while the top 5 *nonsurgical* procedures are indicated by bold superscript *letters*. The rankings of procedures overall (surgical and nonsurgical categories combined) are indicated in the column Overall Rank.

Procedure	FEMALE (Number)	Percent of Total	Overall Rank	MALE (Number)	Percent of Total	Overall Rank
Abdominoplasty (tummy tuck)	40,664	96.2%	16	1,597	3.8%	18
Blepharoplasty (cosmetic eyelid surgery)	156,275 ²	85.7%	5	26,171 ⁴	14.3%	5
Botox injection	147,771 ^D	93.9%	6	9,677 ^E	6.1%	11
Breast augmentation	126,934 ³	100.0%	7	DNA	DNA	DNA
Breast lift	26,047	100.0%	19	DNA	DNA	DNA
Breast reduction (women)*	68,539	100.0%	13	DNA	DNA	DNA
Buttock lift	1,467	94.3%	27	79	5.1%	23
Cellulite Treatment (mechanical roller massage therapy)	36,624	99.0%	17	349	0.9%	21
Cheek implants	4,916	86.4%	23	762	13.4%	19
Chemical peel	375,089 ^A	95.4%	1	18,160 ^C	4.6%	7
Chin augmentation	12,355	77.1%	21	3,656	22.8%	16
Collagen injection	347,439 ^B	94.6%	2	19,723 ^B	5.4%	6
Dermabrasion	29,820	82.4%	18	6,384	17.6%	13
Facelift	89,628 ⁵	89.4%	10	10,556	10.5%	9
Fat injection	68,796	93.7%	12	4,591	6.3%	15
Forehead lift	41,950	89.8%	15	4,751	10.2%	14
Gynecomastia, treatment of	DNA	DNA	DNA	11,974 ⁵	100.0%	8
Hair transplantation	3,796	10.8%	24	31,413 ²	89.1%	2
Laser hair removal	80,267	73.3%	11	29,272 ^A	26.7%	4
Laser skin resurfacing	113,568 ^E	91.8%	8	10,111 ^D	8.2%	10
Laser treatment of leg veins	57,546	99.5%	14	304	0.5%	22
Lip augmentation (other than injectable materials)	25,548	97.9%	20	542	2.1%	20
Lipoplasty (liposuction)	188,807 ¹	86.6%	4	29,274 ³	13.4%	3
Lower body lift	1,406	94.4%	28	75	5.1%	24
Otoplasty (cosmetic ear surgery)	10,795	57.2%	22	8,060	42.7%	12
Rhinoplasty (nose reshaping)	95,444 ⁴	71.7%	9	37,608 ¹	28.3%	1
Sclerotherapy	346,631 ^C	99.1%	3	3,111	0.9%	17
Thigh lift	3,274	98.3%	25	52	1.6%	25
Upper arm lift	3,044	98.8%	26	35	1.2%	26
TOTALS	2,504,437	90.3%		268,290	9.7%	

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DNA = Does not apply

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1998 Age Distribution for Cosmetic Procedures

Procedure	LT 18 (Number)	Percent of Total	19-34 (Number)	Percent of Total	35-50 (Number)	Percent of Total	51-64 (Number)	Percent of Total	65 + (Number)	Percent of Total
Abdominoplasty (tummy tuck)	172	0.4%	8,232	19.5%	24,488	58.0%	8,396	19.9%	963	2.3%
Blepharoplasty (cosmetic eyelid surgery)	158	0.1%	9,679	5.3%	70,471	38.6%	78,876 ³	43.2%	23,240 ²	12.7%
Botox injection	169	0.1%	21,357	13.6%	87,050 ⁵	55.3%	43,578	27.7%	5,276	3.4%
Breast augmentation	1,694	1.3%	77,807 ³	61.3%	42,317	33.3%	4,736	3.7%	357	0.3%
Breast lift	167	0.6%	8,277	31.8%	14,139	54.3%	3,179	12.2%	280	1.1%
Breast reduction (women)*	3,121	4.6%	29,082	42.4%	26,778	39.1%	8,270	12.1%	1,260	1.8%
Buttock lift	0	0.0%	362	23.3%	950	61.1%	204	13.1%	28	1.8%
Cellulite Treatment (mechanical roller massage therapy)	940	2.5%	17,167	46.4%	17,698	47.8%	1,168	3.2%	0	0.0%
Cheek implants	0	0.0%	2,241	39.4%	2,851	50.1%	404	7.1%	181	3.2%
Chemical peel	15,757 ²	4.0%	86,555 ²	22.0%	172,974 ¹	44.0%	94,326 ²	24.0%	23,563 ¹	6.0%
Chin augmentation	1,145	7.1%	7,180	44.8%	5,465	34.1%	1,661	10.4%	559	3.5%
Collagen injection	3,941	1.1%	72,150 ⁵	19.7%	171,213 ³	46.6%	97,866 ¹	26.7%	21,946 ³	6.0%
Dermabrasion	1,974	5.5%	8,228	22.7%	13,334	36.9%	8,064	22.3%	4,613	12.8%
Facelift	0	0.0%	454	0.5%	30,214	30.2%	52,705 ⁵	52.6%	16,747 ⁴	16.7%
Fat injection	438	0.6%	20,398	27.8%	26,596	36.2%	21,298	29.0%	4,650	6.3%
Forehead lift	54	0.1%	1,873	4.0%	18,909	40.5%	20,176	43.2%	5,677	12.2%
Gynecomastia, treatment of	2,752	22.9%	5,751	47.9%	2,428	20.2%	934	7.8%	105	0.9%
Hair transplantation	97	0.3%	10,564	30.0%	17,393	49.4%	5,328	15.1%	1,828	5.2%
Laser hair removal	8,456 ⁴	7.7%	47,535	43.4%	35,055	32.0%	14,620	13.3%	3,858	3.5%
Laser skin resurfacing	3,757	3.0%	16,974	13.7%	42,312	34.2%	52,324	42.3%	8,309	6.7%
Laser treatment of leg veins	628	1.1%	11,867	20.5%	29,818	51.5%	13,551	23.4%	1,979	3.4%
Lip augmentation (other than injectable materials)	476	1.8%	11,449	43.9%	8,238	31.6%	4,185	16.0%	1,740	6.7%
Lipoplasty (liposuction)	2,753	1.3%	77,587 ⁴	35.6%	99,680 ⁴	45.7%	32,564	14.9%	5,530	2.5%
Lower body lift	0	0.0%	392	26.3%	730	49.0%	308	20.7%	52	3.5%
Otoplasty (cosmetic ear surgery)	11,548 ³	61.2%	4,785	25.3%	1,783	9.4%	533	2.8%	198	1.1%
Rhinoplasty (nose reshaping)	22,920 ¹	17.2%	69,642	52.3%	32,376	24.3%	6,562	4.9%	1,565	1.2%
Sclerotherapy	4,017 ⁵	1.1%	92,796 ¹	26.5%	171,704 ²	49.1%	68,346 ⁴	19.5%	12,804 ⁵	3.7%
Thigh lift	13	0.4%	749	22.5%	1,714	51.5%	758	22.8%	89	2.7%
Upper arm lift	0	0.0%	451	14.6%	1,411	45.8%	1,007	32.7%	211	6.8%
TOTALS	87,147	3.1%	721,586	26.0%	1,170,088	42.2%	645,925	23.3%	147,611	5.3%

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1998 Regional Distribution for Cosmetic Procedures

Procedure	REG 1-2 (Number)	Percent of Total	REG 3-4 (Number)	Percent of Total	REG 5 (Number)	Percent of Total	REG 6-7 (Number)	Percent of Total	REG 8-9 (Number)	Percent of Total
Abdominoplasty (tummy tuck)	8,353	1.4%	6,491	1.5%	9,594	1.4%	9,578	3.1%	8,241	1.1%
Blepharoplasty (cosmetic eyelid surgery)	27,633	4.7%	37,840	8.9%	41,374	6.1%	22,496	7.3%	53,106	6.9%
Botox injection	20,422	3.5%	17,919	4.2%	42,417	6.3%	4,216	1.4%	72,471	9.4%
Breast augmentation	18,690	3.2%	18,516	4.4%	28,511	4.2%	29,406	9.5%	31,814	4.1%
Breast lift	4,271	0.7%	3,354	0.8%	6,226	0.9%	5,927	1.9%	6,264	0.8%
Breast reduction (women)*	14,725	2.5%	13,990	3.3%	12,868	1.9%	15,844	5.1%	11,113	1.4%
Buttock lift	586	0.1%	135	0.0%	353	0.1%	235	0.1%	235	0.0%
Cellulite Treatment (mechanical roller massage therapy)	8,696	1.5%	4,244	1.0%	5,576	0.8%	6,425	2.1%	12,031	1.6%
Cheek implants	1,262	0.2%	538	0.1%	1,497	0.2%	295	0.1%	2,085	0.3%
Chemical peel	107,225	18.2%	50,249	11.9%	120,915	17.9%	58,647	19.0%	56,221	7.3%
Chin augmentation	2,718	0.5%	1,352	0.3%	3,603	0.5%	1,214	0.4%	7,125	0.9%
Collagen injection	99,936	17.0%	37,566	8.9%	56,843	8.4%	9,938	3.2%	162,890	21.0%
Dermabrasion	2,386	0.4%	5,284	1.2%	15,646	2.3%	4,345	1.4%	8,545	1.1%
Facelift	17,265	2.9%	14,494	3.4%	25,915	3.8%	11,400	3.7%	31,107	4.0%
Fat injection	5,158	0.9%	18,496	4.4%	25,493	3.8%	8,237	2.7%	16,004	2.1%
Forehead lift	4,923	0.8%	6,231	1.5%	11,548	1.7%	6,705	2.2%	17,294	2.2%
Gynecomastia, treatment of	2,984	0.5%	1,790	0.4%	2,335	0.3%	1,883	0.6%	2,977	0.4%
Hair transplantation	4,489	0.8%	336	0.1%	6,598	1.0%	280	0.1%	23,504	3.0%
Laser hair removal	16,694	2.8%	11,037	2.6%	25,967	3.8%	2,094	0.7%	53,747	6.9%
Laser skin resurfacing	27,776	4.7%	33,887	8.0%	26,261	3.9%	7,736	2.5%	28,013	3.6%
Laser treatment of leg veins	22,480	3.8%	11,878	2.8%	11,176	1.7%	1,631	0.5%	10,684	1.4%
Lip augmentation (other than injectable materials)	2,069	0.4%	8,770	2.1%	5,634	0.8%	2,534	0.8%	7,081	0.9%
Lipoplasty (liposuction)	29,446	5.0%	25,561	6.0%	70,679	10.4%	32,850	10.7%	59,560	7.7%
Lower body lift	328	0.1%	145	0.0%	385	0.1%	412	0.1%	208	0.0%
Otoplasty (cosmetic ear surgery)	4,440	0.8%	3,652	0.9%	4,406	0.7%	2,108	0.7%	4,256	0.5%
Rhinoplasty (nose reshaping)	36,912	6.3%	21,073	5.0%	23,931	3.5%	20,074	6.5%	31,078	4.0%
Sclerotherapy	96,746	16.4%	68,209	16.1%	89,636	13.2%	40,417	13.1%	54,727	7.1%
Thigh lift	505	0.1%	268	0.1%	802	0.1%	830	0.3%	918	0.1%
Upper arm lift	256	0.0%	370	0.1%	946	0.1%	441	0.1%	1,071	0.1%
TOTALS	589,375	21.3%	423,676	15.3%	677,135	24.4%	308,198	11.1%	774,368	27.9%

*Breast reduction may be covered by insurance, depending on the patient's breast size, body type and symptoms.

The regional breakdowns used in the above table are as follows:

REG 1 - New England (CT, ME, MA, NH, RI, VT)

REG 4 - West North Central (IA, KS, MN, MO, NE, ND, SD)

REG 7 - West South Central (AR, LA, OK, TX)

REG 2 - Middle Atlantic (NJ, NY, PA)

REG 5 - South Atlantic (DE, DC, FL, GA, MD, NC, SC, VA, WV)

REG 8 - Mountain (AZ, CO, ID, MT, NV, NM, UT, WY)

REG 3 - East North Central (IL, IN, MI, OH, WI)

REG 6 - East South Central (AL, KY, MS, TN)

REG 9 - Pacific (AK, CA, HI, OR, WA)

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1998 Range of Physician/Surgeon Fees** Per Procedure

Procedure	REG 1-2	REG 3-4	REG 5	REG 6-7	REG 8-9	National Average
Abdominoplasty (tummy tuck)	\$4,627	\$3,568	\$4,086	\$3,935	\$4,028	\$4,058
Blepharoplasty (cosmetic eyelid surgery)	\$2,534	\$1,985	\$2,228	\$2,008	\$2,129	\$2,187
Botox injection	\$477	\$393	\$419	\$460	\$397	\$424
Breast augmentation	\$3,352	\$2,598	\$2,893	\$2,844	\$3,255	\$3,001
Breast lift	\$3,682	\$2,948	\$3,495	\$3,232	\$3,694	\$3,439
Breast reduction (women)*	\$5,189	\$4,698	\$5,060	\$4,946	\$4,746	\$4,936
Buttock lift	\$3,406	\$3,700	\$3,885	\$3,530	\$3,546	\$3,648
Cellulite Treatment (mechanical roller massage therapy)	\$294	\$193	\$646	\$759	\$836	\$588
Cheek implants	\$2,311	\$1,812	\$2,131	\$1,816	\$2,191	\$2,085
Chemical peel	\$907	\$705	\$768	\$893	\$842	\$821
Chin augmentation	\$1,620	\$1,422	\$1,457	\$1,353	\$1,519	\$1,482
Collagen injection	\$366	\$402	\$340	\$326	\$327	\$347
Dermabrasion	\$1,294	\$1,255	\$1,250	\$1,092	\$1,275	\$1,243
Facelift	\$5,864	\$4,298	\$4,818	\$4,580	\$4,850	\$4,895
Fat injection	\$950	\$821	\$807	\$1,008	\$838	\$872
Forehead lift	\$3,117	\$2,212	\$2,350	\$2,246	\$2,646	\$2,504
Gynecomastia, treatment of	\$3,050	\$2,276	\$2,491	\$2,458	\$2,389	\$2,534
Hair transplantation	\$2,846	\$3,414	\$2,646	\$3,675	\$3,369	\$3,123
Laser hair removal	\$488	\$450	\$454	\$325	\$474	\$452
Laser skin resurfacing	\$2,623	\$1,808	\$2,152	\$1,986	\$2,630	\$2,276
Laser treatment of leg veins	\$582	\$335	\$378	\$294	\$364	\$406
Lip augmentation (other than injectable materials)	\$1,281	\$964	\$1,353	\$1,346	\$1,493	\$1,353
Lipoplasty (liposuction) (suction-assisted)	\$2,521	\$2,047	\$2,226	\$2,220	\$2,312	\$2,266
Lipoplasty (liposuction) (ultrasound-assisted)	\$2,793	\$2,340	\$2,665	\$2,100	\$2,799	\$2,562
Lower body lift	\$5,431	\$5,359	\$4,773	\$6,978	\$4,790	\$5,377
Otoplasty (cosmetic ear surgery)	\$2,778	\$2,052	\$2,379	\$2,327	\$2,351	\$2,374
Rhinoplasty (nose reshaping)	\$3,791	\$2,797	\$3,389	\$3,148	\$3,296	\$3,304
Sclerotherapy	\$300	\$237	\$295	\$224	\$267	\$269
Thigh lift	\$4,020	\$3,533	\$3,479	\$3,460	\$3,239	\$3,516
Upper arm lift	\$3,088	\$2,557	\$2,599	\$2,658	\$2,493	\$2,643

*Breast reduction may be covered by insurance, depending on the patient's breast size, body type and symptoms. Fees may vary.

**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 body site in the same session reflect typical fees for one site.

The regional breakdowns used in the above table are as follows:

REG 1 - New England (CT, ME, MA, NH, RI, VT)

REG 4 - West North Central (IA, KS, MN, MO, NE, ND, SD)

REG 7 - West South Central (AR, LA, OK, TX)

REG 2 - Middle Atlantic (NJ, NY, PA)

REG 5 - South Atlantic (DE, DC, FL, GA, MD, NC, SC, VA, WV)

REG 8 - Mountain (AZ, CO, ID, MT, NV, NM, UT, WY)

REG 3 - East North Central (IL, IN, MI, OH, WI)

REG 6 - East South Central (AL, KY, MS, TN)

REG 9 - Pacific (AK, CA, HI, OR, WA)

- The above figures are based on a survey of doctors who have been certified by American Board of Medical Specialties recognized boards, including but not limited to the American Board of Plastic Surgery. The survey portion of this research has a standard error of +/- 4.0% at a 95% level of confidence.
- 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 have met additional educational and practice requirements in aesthetic surgery.
- 1997 was the first year for which ASAPS compiled these statistics, and the ASAPS statistical data are developed annually.
- The ASAPS 1998 Statistics on Cosmetic Surgery were funded by the Aesthetic Surgery Education and Research Foundation.

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1998 ASAPS Member Practice Profile

Procedure	ASAPS Average Procedures per Doctor
Abdominoplasty (tummy tuck)	12.4
Blepharoplasty (cosmetic eyelid surgery)	41.3 ²
Botox injection	6.8
Breast augmentation	38.8 ³
Breast lift	8.0
Breast reduction (women)*	19.8 ⁵
Buttock lift	0.4
Cellulite Treatment (mechanical roller massage therapy)	8.4
Cheek implants	0.5
Chemical peel	15.5
Chin augmentation	2.6
Collagen injection	13.9
Dermabrasion	4.1
Facelift	25.5 ⁴
Fat injection	9.3
Forehead lift	11.5
Gynecomastia, treatment of	3.2
Hair transplantation	1.1
Laser hair removal	4.7
Laser skin resurfacing	13.4
Laser treatment of leg veins	4.4
Lip augmentation (other than injectable materials)	2.7
Lipoplasty (liposuction)	49.8 ¹
Lower body lift	0.5
Otoplasty (cosmetic ear surgery)	3.0
Rhinoplasty (nose reshaping)	14.0
Sclerotherapy	9.1
Thigh lift	0.8
Upper arm lift	0.8
TOTALS	326.2

*Breast reduction may be covered by insurance, depending on the patient's breast size, body type and symptoms.

- The survey portion of this research has a standard error of +/- 4.0% at a 95% level of confidence.
- The top five most prevalent procedures are indicated in bold and are numbered 1 through 5. Component figures may not add exactly to totals and percentages may not equal 100% due to rounding. In no cases are the sums of component figures off by more than .02% from the national total number of procedures.
- 1997 was the first year for which ASAPS compiled these statistics, and the ASAPS statistical data are developed annually.
- The ASAPS 1998 *Statistics on Cosmetic Surgery* were funded by the Aesthetic Surgery Education and Research Foundation.

Quick Facts: Highlights of the ASAPS 1998 Statistics on Cosmetic Surgery

- There were nearly 2.8 million cosmetic surgical and nonsurgical procedures performed in 1998, according to the American Society for Aesthetic Plastic Surgery (ASAPS).
- For those cosmetic procedures surveyed in both 1997 and 1998, the survey showed a 4% increase in the number of procedures performed.
- In 1998, about 90% of cosmetic procedures were performed on females and 10% on males.
- The top five procedures overall for men were (in ranking order) nose reshaping, hair transplantation, liposuction, laser hair removal and cosmetic eyelid surgery.
- The top five procedures overall for women (in ranking order) were chemical peel, collagen injection, sclerotherapy (treatment for leg veins), liposuction and cosmetic eyelid surgery.
- Select comparisons between 1998 and 1997 (male and female numbers combined): liposuction up 23%, cosmetic eyelid surgery up 15%, facelift up 1%.
- Select comparisons between 1998 and 1997 (male numbers only): liposuction up 3%, cosmetic eyelid surgery up 11%, facelift up 1%; hair transplantation down 38%, chemical peel down 35%, nose reshaping down 15%.
- Select comparisons between 1998 and 1997 (female numbers only): liposuction up 27%, breast augmentation up 25%, tummy tuck up 24%, nose reshaping up 3%; chemical peel down 17%, laser skin resurfacing down 15%.
- Baby boomers between the ages of 35 and 50 have the most cosmetic procedures (42%), followed by 19-34 year olds (26%) and 51-64 year olds (23%).
- Cosmetic procedures by race or ethnicity (% of total procedures, increase or decrease compared to 1997): Caucasians, 86% (up 1%); Hispanics, 6% (0% change); African-Americans, 4% (0% change); Asian-Americans, 3% (down 1%); other, 0% (down 1%).
- Where cosmetic procedures are performed (% of total procedures, increase or decrease compared to 1997): office-based surgical facility, 52% (up 6%); hospital, 28% (down 2%); free-standing surgicenter, 20% (down 3%); other, 1% (0% change).

Figures may not add exactly to totals and percentages may not equal 100% due to rounding.

Quick Facts: Highlights of the ASAPS Attitudes on Cosmetic Surgery Survey

(Data from February 1999 Consumer Survey of 1000 American Households)

Americans' general approval of cosmetic surgery in 1999 (compared to 1998 survey)

- 59% of women say they approve of cosmetic surgery (up 2%)
- 53% of men say they approve of cosmetic surgery (down 5%)

General approval of cosmetic surgery by age

- 44% of Americans age 65 or older say they approve of cosmetic surgery
- 53% of 55-to-64 year olds say they approve
- 63% of 35-to-54 year olds (baby boomers) say they approve
- 55% of 25-to-34 year olds say they approve
- 55% of 18-to-24 year olds say they approve

Changes in attitude toward cosmetic surgery compared to 10 years ago

- 73% of Americans say they have the same attitude as 10 years ago
- 18% say their attitude toward cosmetic surgery is more favorable
- 6% say their attitude toward cosmetic surgery is less favorable

Americans' openness about having cosmetic surgery (compared to 1998 survey)

- 78% of women say that, if they had cosmetic surgery in the future, they would not be embarrassed if people outside their immediate family/close friends knew about it (up 1%)
- 71% of men would not be embarrassed (down 5%)

Approval of cosmetic surgery in relation to household income

- 65% of Americans with incomes above \$50,000 approve of cosmetic surgery
- 62% with incomes of \$41,000-\$50,000 approve
- 52% of those with incomes of \$26,000-\$40,000 approve
- 53% with incomes of \$15,000 to \$25,000 approve
- 37% with incomes under \$15,000 approve

Approval of cosmetic surgery in relation to education

- 70% of Americans with postgraduate education approve of cosmetic surgery
- 57% with college degrees or some college approve
- 51% with no college approve

Approval of cosmetic surgery in relation to race/ethnicity (compared to 1998 survey)

- 60% of white Americans approve of cosmetic surgery (0% change)
- 38% of non-white Americans approve (down 7%)

Approval of cosmetic surgery in relation to geographic region

- People living in the Western U.S. are most likely to approve of cosmetic surgery (62%)
- People in the Southern U.S. are least likely to approve (52%)

Figures may not add exactly to totals and percentages may not equal 100% due to rounding.

Statistics Q & A

How are the ASAPS statistics different from data on cosmetic surgery developed by other organizations?

Other organizations may gather data from only one specialty or from the sponsoring group's own membership, so that their statistics reflect a limited portion of the actual cosmetic procedures performed. ASAPS surveys the specialists (board-certified plastic surgeons, dermatologists and otolaryngologists) most likely to perform the greatest number of cosmetic surgical and nonsurgical procedures.

How accurate are the ASAPS statistics?

The survey portion of ASAPS research has a standard error of +/-4.0% at a 95% level of confidence. All projections from this data are based on mathematical formulas taking into account such factors as the total number of board-certified physicians in the three specialties and relative cosmetic surgical practice volumes.

Why is there so much variance in the statistical data on cosmetic surgery offered by various groups?

There are issues involved in any type of data gathering that can lead to variations in final figures. The survey scope, the weight assigned to different variables and the way in which data is projected all affect the result. ASAPS has developed its survey methodology based on more than 30 years' experience as the leading organization in cosmetic surgery education and research.

If ASAPS membership is limited to board-certified plastic surgeons, why does it choose to report on procedures done by dermatologists and otolaryngologists?

Since 1967, ASAPS' mission has been the cosmetic surgical education of physicians certified by the American Board of Plastic Surgery. We believe that the scope and depth of training provided by an accredited plastic surgery residency program is important to the safe and effective performance of many cosmetic surgical operations. Otolaryngologists (surgical specialists) and dermatologists (nonsurgical specialists) also receive residency training that equips them to perform certain types of cosmetic procedures included in the ASAPS survey. The contributions of these specialists help to balance the survey results and project accurate national totals for all cosmetic procedures, both surgical and nonsurgical.

It is a fact that many physicians perform procedures that are outside the scope of their formal training, and this is of growing concern to state medical boards and others seeking to protect patient safety. ASAPS discusses specialty training in a separate media kit on Plastic Surgery Credentials. To request a copy, call ASAPS at 212.921.0500.