



# Plastic Surgery Statistics

## COSMETIC & RECONSTRUCTIVE PROCEDURE TRENDS

COSMETIC SURGICAL PROCEDURES	2016	2015	2000	2016 - VS - 2015	2016 - VS - 2000
Breast augmentation ( <i>Augmentation mammoplasty</i> )**	290,467	279,143	212,500	+4%	+37%
Breast implant removals ( <i>Augmentation patients only</i> )	28,467	24,661	40,787	+15%	-30%
Breast lift ( <i>Mastopexy</i> )	101,264	99,614	52,836	+2%	+92%
Breast reduction ( <i>Aesthetic patients only</i> )****	39,148	40,650	*	-4%	*
Breast reduction in men ( <i>Gynecomastia</i> )	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 ( <i>Malar augmentation</i> )	13,197	12,668	10,427	+4%	+27%
Chin augmentation ( <i>Mentoplasty</i> )	16,688	17,451	26,924	-4%	-38%
Dermabrasion	88,182	87,216	42,218	+1%	+109%
Ear surgery ( <i>Otoplasty</i> )	23,709	22,714	36,295	+4%	-35%
Eyelid surgery ( <i>Blepharoplasty</i> )	209,020	203,934	327,514	+2%	-36%
Facelift ( <i>Rhytidectomy</i> )	131,106	125,711	133,856	+4%	-2%
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 ( <i>other than injectable materials</i> )	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 ( <i>Rhinoplasty</i> )	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 ( <i>Abdominoplasty</i> )	127,633	127,967	62,713	0%	+104%
Upper arm lift	17,860	17,099	338	+4%	+5184%
<b>TOTAL / COSMETIC SURGICAL PROCEDURES ^^^^</b>	<b>1,780,987</b>	<b>1,715,244</b>	<b>1,901,049</b>	<b>+4%</b>	<b>-6%</b>

\* Top 5 procedures



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## COSMETIC & RECONSTRUCTIVE PROCEDURE TRENDS

COSMETIC MINIMALLY- INVASIVE PROCEDURES	2016	2015	2000	2016 - VS - 2015	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 (Evolve®/Zyderm®, Zyplast®)	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%	*
<b>TOTAL / COSMETIC MINIMALLY-INVASIVE PROCEDURES ^^^^</b>	<b>15,411,829</b>	<b>14,969,785</b>	<b>5,500,446</b>	<b>+3%</b>	<b>+180%</b>
<b>TOTAL / COSMETIC PROCEDURES ^^^^</b>	<b>17,192,816</b>	<b>16,685,029</b>	<b>7,401,495</b>	<b>+3%</b>	<b>+132%</b>

\* Top 5 procedures



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## COSMETIC & RECONSTRUCTIVE PROCEDURE TRENDS

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

\* Top 5 procedures

All figures are projected.

\* 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.

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

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

<sup>^^^</sup> In 2016 and 2015 figure includes facial laceration repair.

<sup>^^^</sup> The number of procedures in 2015 has been updated to include new procedures.

<sup>†</sup> First year procedure is being reported

Margin of error = +/- 4.28%

ASPS Procedural Statistics represent procedures performed by ASPS member surgeons certified by The American Board of Plastic Surgery® as well as other physicians certified by American Board of Medical Specialties-recognized boards.