

Supplemental Table 1. Covariates Used in the Model for Adjusted Relative Risk.

Table in Manuscript	Event	Factors Forced in Model	Factors Selected Stepwise in Final Model*
Table 4	Brain cancer	Silicone/Saline Indication	Incision size category Incision site Education level category Race BMI category Smoking status category Occupation category Implant size category Marital status category Implant surface
Table 4	Breast cancer	Silicone/Saline Indication	Incision size category Age
Table 4	Cervical/vulvar cancer	Silicone/Saline Indication Marital Status	Incision site Incision size category Implant size category BMI category Race
Table 4	Chronic fatigue syndrome	Silicone/Saline Indication	BMI category Marital status category Implant location Implant size category Incision size category Incision site Race Smoking status category Implant surface

Table 4	Connective tissue disorder, not otherwise specified	Silicone/Saline Indication	Marital status category Incision size category Race Occupation category Incision site Implant size category Smoking status category Education level category
Table 4	Fibromyalgia	Silicone/Saline Indication	Race Marital status category Incision size category Incision site Implant size category Smoking status category Current alcohol consumption
Table 4	Lupus/lupus-like syndrome	Silicone/Saline Indication	BMI category Occupation category Incision size category Incision site Smoking status category Implant size category Implant location Marital status category
Table 4	Mixed connective tissue disease	Silicone/Saline Indication	Race Marital status category Incision size category Occupation category Implant size category Smoking status category BMI category Education level category Incision site Implant surface

Table 4	Multiple sclerosis	Silicone/Saline Indication	Marital status category Occupation category Incision size category Race Implant size category BMI category
Table 4	Rheumatoid arthritis	Silicone/Saline Indication	Marital status category Incision size category Smoking status category Incision site Implant size category Implant location Current alcohol consumption Age Occupation category Education level category
Table 5. Primary Augmentation	Brain cancer	Silicone/Saline	Education level category Implant size category BMI category Incision size category Race Occupation category Incision site Smoking status category Marital status category Implant surface
Table 5. Primary Augmentation	Breast cancer	Silicone/Saline	Incision size category Implant location Implant size category Age Incision site
Table 5. Primary Augmentation	Cervical/vulvar cancer	Silicone/Saline Marital Status	Incision site Implant size category Incision size category BMI category Race

Table 5. Primary Augmentation	Chronic fatigue syndrome	Silicone/Saline	BMI category Marital status category Implant location Incision site Incision size category Education level category Race Smoking status category Implant size category Implant surface
Table 5. Primary Augmentation	Connective tissue disorder, not otherwise specified	Silicone/Saline	Marital status category BMI category Incision site Occupation category Incision size category Implant size category
Table 5. Primary Augmentation	Fibromyalgia	Silicone/Saline	Marital status category Incision size category Smoking status category
Table 5. Primary Augmentation	Lupus/lupus-like syndrome	Silicone/Saline	Incision size category Smoking status category Incision site BMI category Education level category Implant size category Marital status category
Table 5. Primary Augmentation	Mixed connective tissue disease	Silicone/Saline	Race Marital status category Incision size category Occupation category Incision site Implant size category Education level category BMI category Smoking status category Implant surface

Table 5. Primary Augmentation	Multiple sclerosis	Silicone/Saline	Marital status category Occupation category Incision site Incision size category Implant size category BMI category Race
Table 5. Primary Augmentation	Other neurological diseases	Silicone/Saline	Marital status category Incision site Implant size category Incision size category Age
Table 5. Primary Augmentation	Rheumatoid arthritis	Silicone/Saline	Marital status category Incision size category Occupation category BMI category Implant size category Age Implant location Education level category
Table 5. Revision-Augmentation	Brain cancer	Silicone/Saline	Incision size category Incision site Education level category Race BMI category Smoking status category Occupation category Implant size category Marital status category Implant surface
Table 5. Revision-Augmentation	Breast cancer	Silicone/Saline	Incision size category Age

Table 5. Revision-Augmentation	Cervical/vulvar cancer	Silicone/Saline	Incision site Incision size category Implant size category BMI category Race
Table 5. Revision-Augmentation	Chronic fatigue syndrome	Silicone/Saline	BMI category Marital status category Implant location Implant size category Incision size category Incision site Race Smoking status category Implant surface
Table 5. Revision-Augmentation	Connective tissue disorder, not otherwise specified	Silicone/Saline	Marital status category Incision size category Race Occupation category Incision site Implant size category Smoking status category Education level category
Table 5 Revision-Augmentation	Fibromyalgia	Silicone/Saline	Race Marital status category Incision size category Incision site Implant size category Smoking status category Current alcohol consumption
Table 5. Revision-Augmentation	Lupus/lupus-like syndrome	Silicone/Saline	BMI category Occupation category Incision size category Incision site Smoking status category Implant size category Implant location Marital status category

Table 5. Revision-Augmentation	Mixed connective tissue disease	Silicone/Saline	Race Marital status category Incision size category Occupation category Implant size category Smoking status category BMI category Education level category Incision site Implant surface
Table 5. Revision-Augmentation	Multiple sclerosis	Silicone/Saline	Marital status category Occupation category Incision size category Race Implant size category BMI category
Table 5. Revision-Augmentation	Rheumatoid arthritis	Silicone/Saline	Marital status category Incision size category Smoking status category Incision site Implant size category Implant location Current alcohol consumption Age Occupation category Education level category
Table 5. Revision-Augmentation	Other neurologic diseases	Silicone/Saline	Incision site Incision size category Age

Table 6. Reconstruction	Fibromyalgia	Silicone/Saline	Incision size category Race Occupation category Implant size category Current alcohol consumption Implant location Incision site Education level category Smoking status category Marital status category
Table 6. Revision-Reconstruction	Brain cancer	Silicone/Saline	Incision size category Incision site Education level category Race BMI category Smoking status category Occupation category Implant size category Marital status category Implant surface
Table 6. Revision-Reconstruction	Breast cancer	Silicone/Saline	Incision size category Age
Table 6. Revision-Reconstruction	Cervical/vulvar cancer	Silicone/Saline	Incision site Incision size category Implant size category BMI category Race
Table 6. Revision-Reconstruction	Chronic fatigue syndrome	Silicone/Saline	BMI category Marital status category Implant location Implant size category Incision size category Incision site Race Smoking status category Implant surface

Table 6. Revision-Reconstruction	Connective tissue disorder, not otherwise specified	Silicone/Saline	Marital status category Incision size category Race Occupation category Incision site Implant size category Smoking status category Education level category
Table 6. Revision-Reconstruction	Fibromyalgia	Silicone/Saline	Race Marital status category Incision size category Incision site Implant size category Smoking status category Current alcohol consumption
Table 6. Revision-Reconstruction	Lupus/lupus-like syndrome	Silicone/Saline	BMI category Occupation category Incision size category Incision site Smoking status category Implant size category Implant location Marital status category
Table 6. Revision-Reconstruction	Mixed connective tissue disease	Silicone/Saline	Race Marital status category Incision size category Occupation category Implant size category Smoking status category BMI category Education level category Incision site Implant surface

Table 6. Revision-Reconstruction	Multiple sclerosis	Silicone/Saline	Marital status category Occupation category Incision size category Race Implant size category BMI category
Table 6. Revision-Reconstruction	Other neurologic diseases	Silicone/Saline	Incision site Incision size category Age
Table 6. Revision-Reconstruction	Rheumatoid arthritis	Silicone/Saline	Marital status category Incision size category Smoking status category Incision site Implant size category Implant location Current alcohol consumption Age Occupation category Education level category
Table 7. Primary Augmentation	All deaths	Silicone/Saline	Melanoma history Incision size category Ovarian cancer history Education level category Age Smoking status category Prior attempted suicide Incision site
Table 7. Reconstruction	All deaths	Silicone/Saline	Incision site Incision size category Education level category Ovarian cancer history Prior attempted suicide Smoking status category

Table 7. Revision-Augmentation	All deaths	Silicone/Saline	Incision size category Race Incision site Depression Implant location Implant size category Ovarian cancer history Prior attempted suicide Age Prior thought about suicide BMI category Melanoma history Current alcohol consumption
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* Factors presented in order of selection.