Fifteen-year trend in the use of reproductive surgery in women in the United States.

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Fifteen-year trend in the use of reproductive surgery in women in the United States.

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**Abstract**

**OBJECTIVE:** To determine trends in female reproductive surgery volume.


**SETTING:** Academic medical center.

**PATIENT(S):** All patients who underwent reproductive surgeries using United States community hospital discharge data and inpatient and outpatient data for New Jersey (NJ) and Maryland (MD).

**INTERVENTION(S):** SAS statistical software was used to estimate the number of reproductive surgeries per year; weighted least squares analysis was performed to estimate trends in surgeries.

**MAIN OUTCOME MEASURE(S):** Number of reproductive surgeries.

**RESULT(S):** Nationally, approximately 250,000 inpatient female reproductive surgeries are performed yearly. There was a modest decreasing trend (-17%) in total reproductive surgeries, and the number of procedures with an associated diagnosis of infertility declined 79%; neither change reached statistical significance. Alternatively, a significant decline occurred in surgeries of the fallopian tubes and ovaries. Likewise, inpatient surgeries were unchanged in NJ and actually increased in MD (+13%), although outpatient surgeries declined in both states.
(-12% and -37%, respectively).

**CONCLUSION(S):** The increased use of assisted reproductive technology (ART) has coincided with a decrease in surgeries on the fallopian tubes and ovaries. With the exception of surgery for tubal infertility, reproductive surgery has largely been complementary to, rather than replaced by, ART.

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