

## Supplementary Online Content

Stagg BC, Talwar N, Mattox C, Lee PP, Stein JD. Trends in use of ambulatory surgery centers for cataract surgery in the United States, 2001-2014. *JAMA Ophthalmol*. Published online November 22, 2017. doi:10.1001/jamaophthalmol.2017.5101

**eTable 1.** Listing of the Current Procedural Terminology (CPT) and International Classification of Diseases (ICD-9-CM) billing codes capturing the various ocular surgeries of interest

**eTable 2.** Hospital referral regions (HRRs) with the largest change in proportion of cataract surgeries done at ambulatory surgery centers (ASCs) from 2004-2006 to 2012-2014

**eFigure 1.** Geographic variation in the proportion of cataract surgeries performed at an ambulatory surgery center during 2004-2006

**eFigure 2.** Geographic variation in the proportion of cataract surgeries performed at an ambulatory surgery center during 2012-2014

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1.** Listing of the Current Procedural Terminology (CPT) and International Classification of Diseases (ICD-9-CM) billing codes capturing the various ocular surgeries of interest

<b>Surgery Type</b>	<b>CPT Codes and ICD-9-CM Procedure Codes</b>
Cataract Surgery	66830, 66840, 66850, 66852, 66920, 66930, 66940, 66982, 66983, 66984, 13.1, 13.11, 13.19, 13.2, 13.3, 13.4, 13.41, 13.42, 13.43, 13.5, 13.51, 13.59, 13.6, 13.69, 13.71
Strabismus Surgery	67311, 67312, 67314, 67316, 67318, 67320, 67331, 67332, 67334, 67335, 67340, 67343, 67345, 67346, 67399, 15.1, 15.11, 15.12, 15.13, 15.19, 15.2, 15.21, 15.22, 15.29, 15.3, 15.4, 15.5, 15.6, 15.7, 15.9
Cornea Surgery	65400, 65410, 65420, 65426, 65436, 65450, 65600, 65710, 65730, 65750, 65755, 65756, 65760, 65765, 65767, 65771, 65780, 65781, 65782, 11.3, 11.32, 11.39, 11.41, 11.42, 11.43, 11.49, 11.52, 11.59, 11.6, 11.60, 11.61, 11.62, 11.63, 11.64, 11.69, 11.7, 11.71, 11.72, 11.73, 11.74, 11.75, 11.76, 11.79, 11.91, 11.92, 11.99
Glaucoma Surgery <sup>a</sup>	65820, 65850, 65865, 66150, 66155, 65160, 66165, 66170, 66172, 65174, 65175, 66180, 66185, 66250, 66500, 66505, 66605, 66625, 66630, 66635, 66700, 66710, 66711, 66720, 66740, 0376T, 0123T, 0253T, 0191T, 66174, 66175, 66179, 66180, 66183, 66184, 0176T, 0177T, 12.1, 12.11, 12.12, 12.13, 12.14, 12.2, 12.21, 12.22, 12.29, 12.3, 12.31, 12.32, 12.33, 12.34, 12.35, 12.39, 12.4, 12.40, 12.41, 12.42, 12.43, 12.44, 12.5, 12.51, 12.52, 12.53, 12.54, 12.55, 12.59, 12.6, 12.61, 12.62, 12.63, 12.64, 12.65, 12.66, 12.67, 12.69, 12.7, 12.71, 12.72, 12.73, 12.74, 12.79
Retina Surgery	67005, 67010, 67105, 67025, 67027, 67028, 67030, 67031, 67036, 67038, 67039, 67040, 67041, 67042, 67043, 67101, 67105, 67107, 67108, 67110, 67112, 67113, 67115, 67120, 67121, 67141, 67145, 67208, 67210, 67218, 67220, 67221, 67225, 67227, 67228, 67229, 67250, 67255, 14.21, 14.22, 14.23, 14.24, 14.25, 14.31, 14.32, 14.33, 14.34, 14.35, 14.39, 14.51, 14.52, 14.53, 14.54, 14.55, 14.75, 14.79, 14.26, 14.27, 14.29, 14.4, 14.41, 14.49, 14.6, 14.71, 14.72, 14.73, 14.74, 14.9

CPT = Current Procedural Terminology

ICD-9-CM = International Classification of Diseases Version 9, Clinical Modification

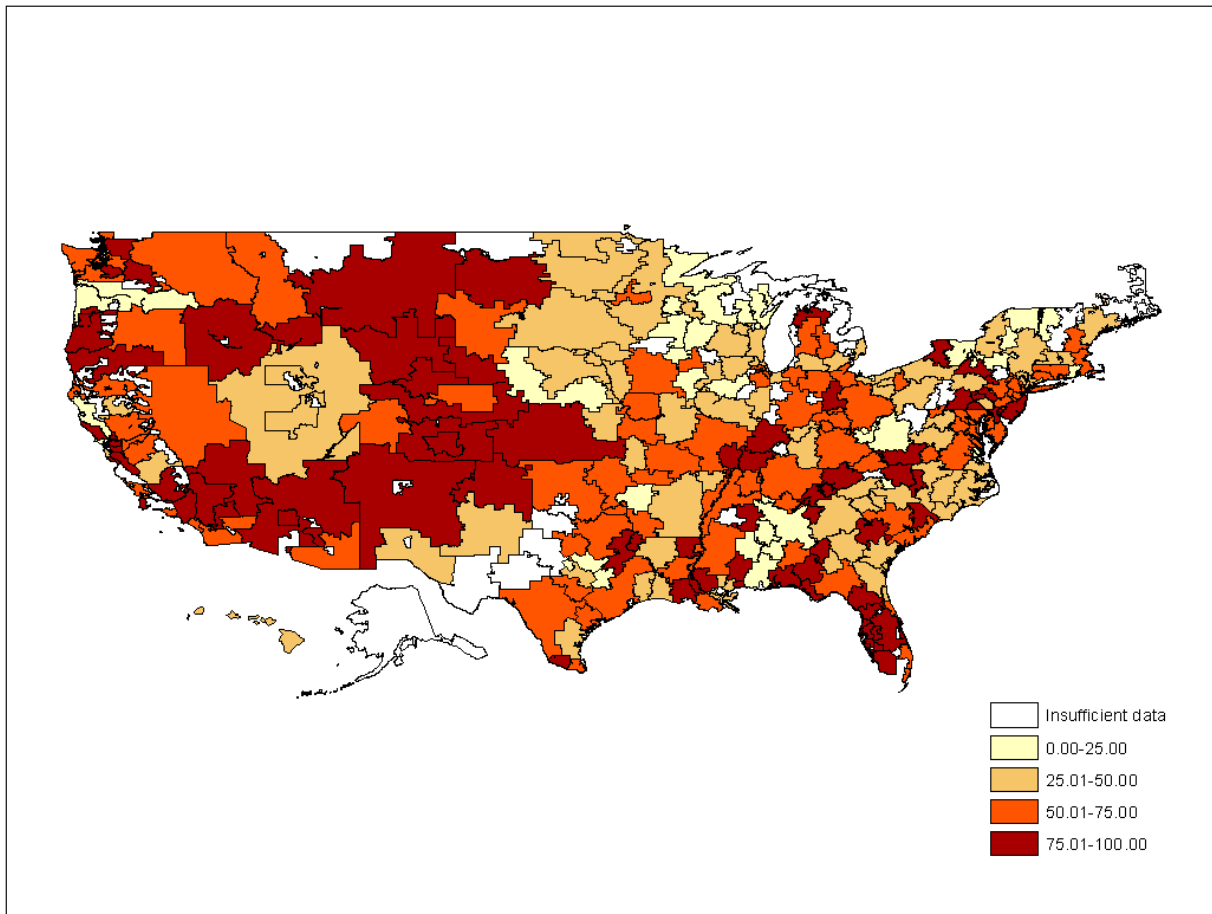
<sup>a</sup> Because most glaucoma lasers are performed in clinic and not in the operating room, they are not included in this analysis.

**eTable 2.** Hospital referral regions (HRRs) with the largest change in proportion of cataract surgeries done at ambulatory surgery centers (ASCs) from 2004-2006 to 2012-2014

<b>HRRs With the Largest Decrease in Proportion of Cataract Surgeries Done at ASCs From 2004-2006 to 2012-2014</b>							
<b>HRR</b>	<b>2004-2006</b>			<b>2012-2014</b>			<b>Decrease, %</b>
	<b>No. at ASCs</b>	<b>Total No. at ASCs+ HOPDs</b>	<b>Proportion of Cataract Surgeries Done at ASCs, %</b>	<b>No. at ASCs</b>	<b>Total No. at ASCs+ HOPDs</b>	<b>Proportion of Cataract Surgeries Done at ASCs, %</b>	
Albuquerque, NM	741	803	92.3	94	255	36.9	55.4
Winston-Salem, NC	504	661	76.2	421	1196	35.2	41.0
Lafayette, LA	180	228	78.9	61	133	45.9	33.1
Dayton, OH	974	1284	75.9	725	1295	56.0	19.9
Hartford, CT	244	359	68.0	85	162	52.5	15.5
<b>HRRs With the Largest Increase in Proportion of Cataract Surgeries Done at ASCs From 2004-2006 to 2012-2014</b>							
<b>HRR</b>	<b>2004-2006</b>			<b>2012-2014</b>			<b>Increase, %</b>
	<b>No. at ASCs</b>	<b>Total No. at ASCs+ HOPDs</b>	<b>Proportion of Cataract Surgeries Done at ASCs, %</b>	<b>No. at ASCs</b>	<b>Total No. at ASCs+ HOPDs</b>	<b>Proportion of Cataract Surgeries Done at ASCs, %</b>	
Hickory, NC	15	100	15.0	123	129	95.3	80.3
Appleton, WI	31	198	15.7	229	301	76.1	60.4
Providence, RI	338	1577	21.4	1764	2328	75.8	54.4
Akron, OH	95	245	38.8	217	234	92.7	54.0
Portland, OR	119	670	17.8	957	1437	66.6	48.8

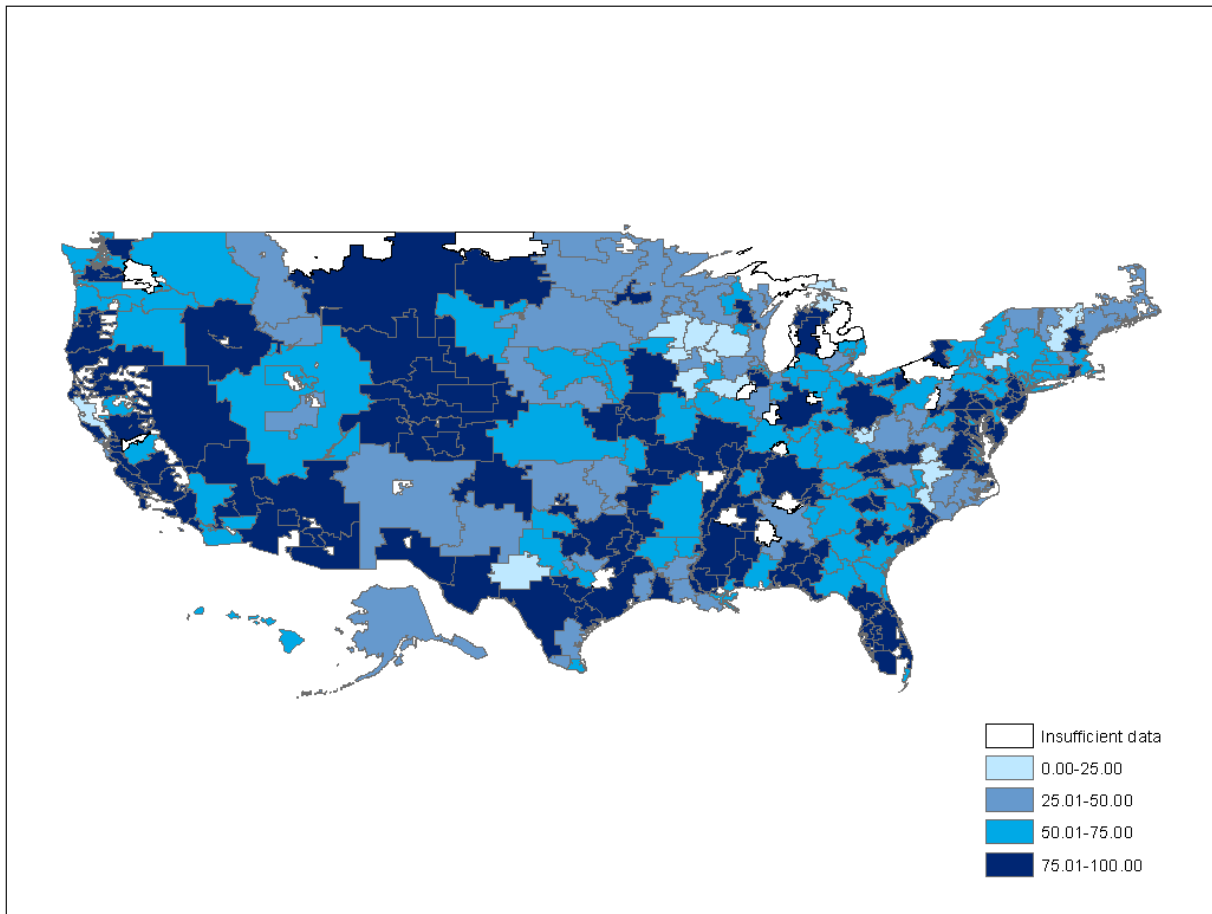
Abbreviation: HOPD, hospital outpatient department.

**eFigure 1.** Geographic variation in the proportion of cataract surgeries performed at an ambulatory surgery center during 2004-2006



Map showing the proportion of cataract surgeries performed at ambulatory surgery centers from 2004-2006 by hospital referral region (HRR). HRRs with fewer than 20 patients undergoing cataract surgery (n=33) are reported as “Insufficient Data”.

**eFigure 2.** Geographic variation in the proportion of cataract surgeries performed at an ambulatory surgery center during 2012-2014



Map showing the proportion of cataract surgeries performed at ambulatory surgery centers from 2012-2014 by hospital referral region (HRR). HRRs with fewer than 20 patients undergoing cataract surgery (n=19) are reported as “Insufficient Data”.