



2015 EYE BANKING STATISTICAL REPORT

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Surgical Use and Indications for Corneal Transplant Statistical Report Analysis – 2015

Introduction:

The 2015 Eye Banking Statistical Report from the Eye Bank Association of America (EBAA) includes information on all 71 U.S. and 10 international member eye banks reporting data for the calendar year 2015, and represents an essentially complete picture of eye banking activity of the eye banks in the United States. The total number of eye banks in the United States (U.S.) dropped from 76 to 71 in 2015 due to mergers and corporate eye bank groups reporting as a single entity.

Utilization of Tissue:

The 71 domestic eye banks in 2015 reported 66,523 total donors (1.5% increase over 2014) and 130,987 total eyes/corneas donated (1.8% increase over 2014). Please see Table 1 below for additional details on donations and distribution. Intermediate-term preserved corneas, by far the largest category, included all refrigerated tissue stored in Optisol GS™, Life4°C™, or Eusol C™ used for full thickness and lamellar procedures.

Table 1: Total Donations and Distribution of Tissue in 2015

Donations	2015	2014	% Change
Eye Banks Reported	71	76	(-6.6%)
Total Whole Globes and Corneas Donated	130,987	128,675	1.8%
Total Number of Donors	66,526	65,558	1.5%
Distribution	2015	2014	% Change
Intermediate-Term Preserved Corneas	74,623	72,013	3.6%
Sclera	3,225	3,345	(-3.6%)
Long-Term Preserved Corneas	11,672	7,223	61.6%
Research	16,924	17,670	(-4.2%)
Training	10,003	9,295	7.6%

Utilization of tissue supplied by U.S. eye banks is shown below in Table 2. This table includes all tissue supplied by domestic eye banks whether used domestically or internationally. Total grafts increased to 79,304 in 2015, up 3.8%. Penetrating keratoplasty (PK) increased 1.6% in 2015 to 39,554. Tissue used for endothelial keratoplasty (EK) in 2015 (30,710) increased 6% from 28,961 in 2014. There was a 12.7% increase in tissue used for lamellar keratoplasty (ALK) from 1,953 in 2014 to 2,201 in 2015. The number of corneas used for KLA increased 21.6% from 88 to 107 in 2015. Corneas used for keratoprosthesis increased 23.8% to 364 in 2015. Despite significant percentage increases, the number of corneas used for ALK, keratolimbic allografts and keratoprosthesis procedures remain relatively small: these three procedures combined made up just 3.4% of total grafts in 2015 (see below).

Table 2: Utilization of Tissue from U.S. Eye Banks

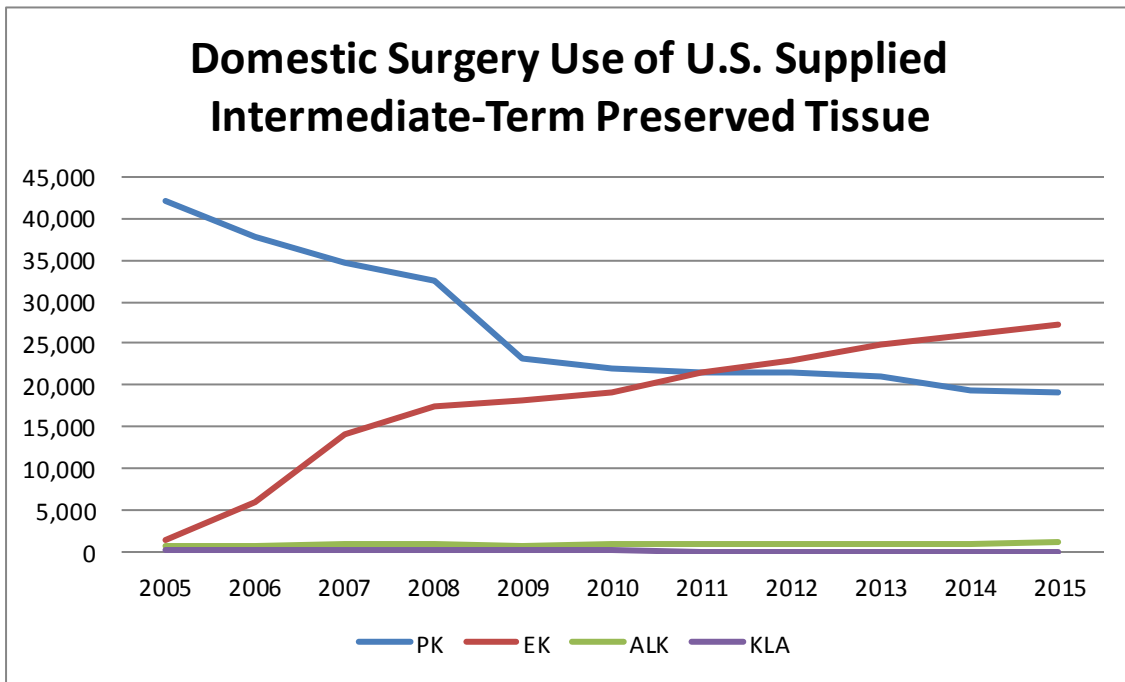
Distribution	2015	2014	2013	2012	2011
Corneal Grafts Total	79,304	76,431	72,736	68,681	67,590
Penetrating Keratoplasty	39,554	38,919	36,998	36,716	36,144
Anterior Lamellar Keratoplasty	2,201	1,953	2,009	1,855	1,778
Endothelial Keratoplasty	30,710	28,961	27,298	24,277	23,287
Keratolimbic Allograft	107	88	110	97	95
Keratoprosthesis (K-Pro)	364	294	255	263	358
Glaucoma Shunt Patch or other non-keratoplasty use	527	755	687	676	604
Other keratoplasty (experimental surgery)	19	17	17	44	14
Unknown or Unspecified	1,142	1,026	1,068	1,554	2,223
Sclera	3,225	3,345	3,693	3,497	5,507
Long-Term Preserved Corneas	11,672	7,223	4,840	5,095	4,409
Keratoplasty	737	938	499	305	276
Glaucoma Shunt Patching	10,843	6,212	4,040	4,435	3,802
Other Surgical Uses	92	73	301	335	331
Research	16,924	17,670	17,384	19,320	19,230
Training	10,003	9,295	7,451	6,850	6,940

The number of penetrating grafts performed in the U.S. declined 0.7% in 2015 to 19,160 (see Table 3 below). Table 3 shows a decrease each year in penetrating keratoplasty procedures performed in the U.S. over the past 11 years from 42,063 in 2005 to 19,160 in 2015, overall a 54.4% decrease from 2005 to 2015. The number of corneas used domestically for endothelial keratoplasty (27,208) increased 4.8% in 2015, following a 3.9% increase in 2014 and an 8.4% increase in 2013. Endothelial keratoplasty has been the most commonly performed keratoplasty procedure in the United States in the last four years and continues to increase (see figure 1 below). Last year, there was an increase in both ALK (22%) and keratolimbic allograft (21.2%) procedures in 2015, although the numbers were small.

**Table 3: Domestic Use of Intermediate-Term Preserved Tissues
Annual Comparison 2005 - 2015**

Domestic Surgery Use	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Penetrating Keratoplasty	42,063	37,776	34,806	32,524	23,269	21,970	21,620	21,422	20,954	19,294	19,160
Endothelial Keratoplasty	1,398	6,027	14,159	17,468	18,221	19,159	21,555	23,049	24,987	25,965	27,208
Anterior Lamellar Keratoplasty	641	806	950	1,072	774	1,041	932	883	951	914	1,115
Keratolimbic Allograft	175	138	207	173	120	130	69	80	91	80	97

Figure 1: Domestic PK vs. EK vs. ALK Surgery Trends



The relative frequency of PK, EK and ALK procedures performed in the U.S. over the last 10 years can be seen above in Figure 1: Domestic PK vs. EK vs. ALK Surgery Trends. The figures below track the number of DSEK and DMEK procedures on a monthly basis and show the increase in DMEK procedures starting in 2012. Figure 2: Domestic DSEK Trends shows relatively flat numbers for DSEK over the past five years. Figure 3: Domestic DMEK Trends shows an increase in DMEK numbers accounting for the continued upslope of endothelial keratoplasty in Figure 1 above. Table 4 below shows that while there was only a slight decrease in DSEK numbers, DMEK increased 63.8% in 2015, following an increase of 88.2% in 2014 and a 103.5% increase in 2013.

Figure 2: Domestic DSEK Trends

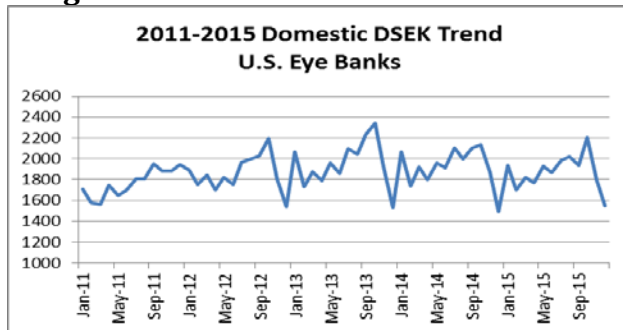
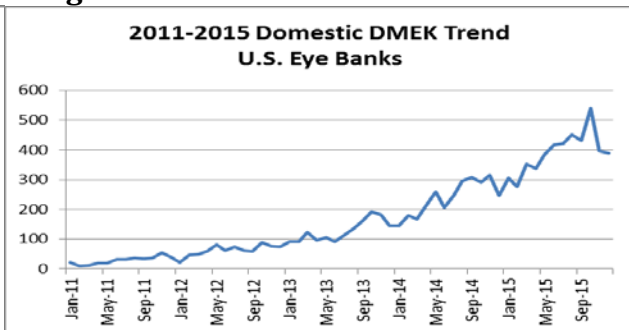


Figure 3: Domestic DMEK Trends



**Table 4: Domestic Endothelial Keratoplasty Numbers
Annual Comparison 2012 – 2015**

Domestic Surgery Use	2015	2014	2013	2012
Total Endothelial Keratoplasty Procedures	27,208	25,965	24,987	23,049
DSEK, DSAEK, DLEK Procedures	22,514	23,100	23,465	22,301
DMEK or DMAEK Procedures	4,694	2,865	1,522	748

Tissue used for glaucoma shunt procedures is shown below in Figure 4. In 2011 sclera was the most commonly used tissue for glaucoma shunt patching, but corneas stored in long-term solution (where endothelial cell counts are not needed) increased substantially in 2015.

On April 1, 2015, CMS extended cornea tissue pass through status to corneas in long-term storage used for patch use, but this pass through allowance was terminated on January 1, 2016 and the effect of reimbursement uncertainty may alter the slope of this curve in the future.

Figure 4: Ocular Tissue used for Glaucoma Shunt Patching

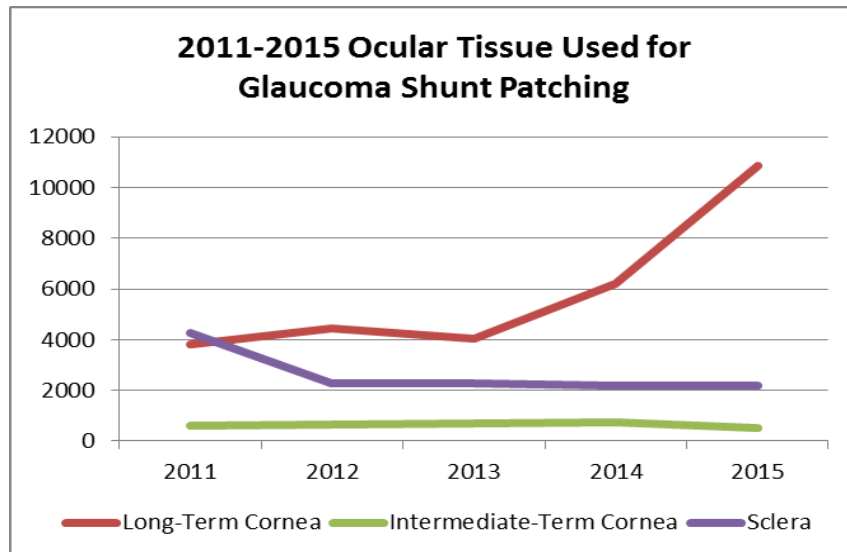


Figure 5 shows different types of keratoplasty procedures performed both domestically and abroad using tissue from U.S. eye banks. 50% of tissue produced by U.S. eye banks is used for penetrating keratoplasty and 39% is used for endothelial keratoplasty. Penetrating keratoplasty is the most common procedure performed using corneas produced in the U.S.

Figure 5: 2015 Use of Released Corneas from U.S. Eye Banks

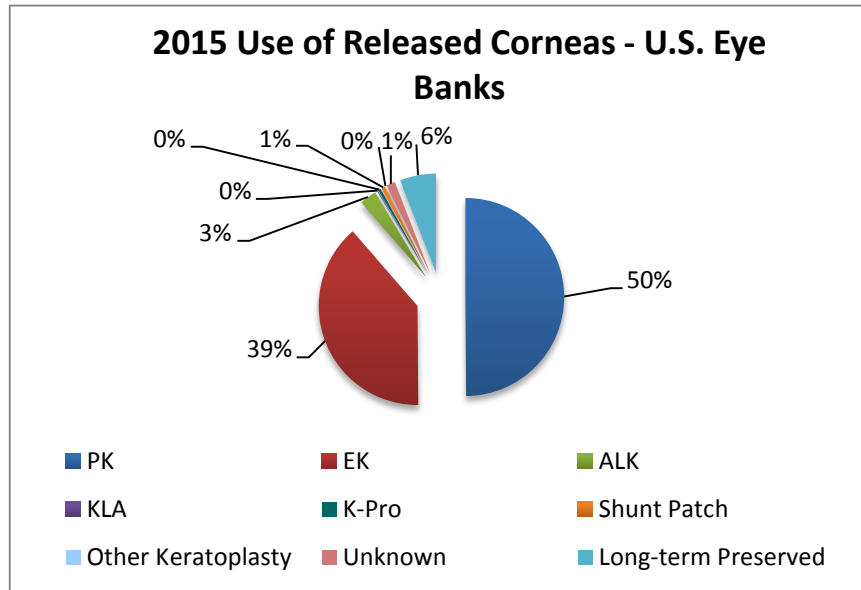


Figure 6 shows domestic utilization of corneas provided by U.S. eye banks in 2015, and does not count corneas shipped abroad. EK comprises 46% of domestic keratoplasty procedures and PK comprises 40%. Endothelial keratoplasty is the most common keratoplasty procedure performed in the U.S. using intermediate-term corneas for the fourth straight year.

Figure 6: 2015 Domestic Uses of Intermediate-Term Corneas from U.S. Eye Banks

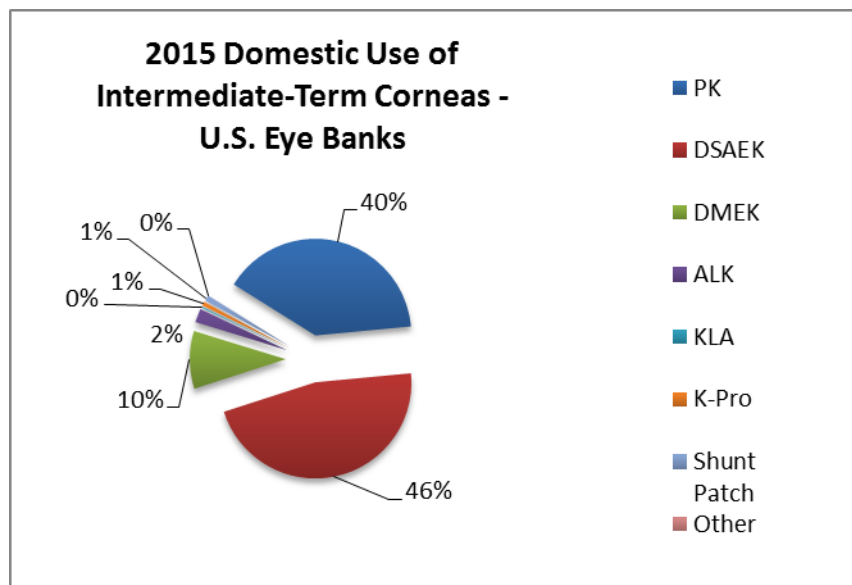


Table 5: Indications for Keratoplasty Reported by US Banks

Indications for Penetrating Keratoplasty	2015		2014	
A. Post-cataract surgery edema	2,905	7.3%	3,378	8.7%
B. Keratoconus	5,835	14.8%	6,224	16.0%
C. Fuchs' Dystrophy	1,235	3.1%	1,196	3.1%
D. Repeat Corneal Transplant	4,267	10.8%	4,399	11.3%
E. Other degenerations or dystrophies	1,148	2.9%	1,209	3.1%
F. Post-refractive surgery	55	0.1%	74	0.2%
G. Microbial changes	689	1.7%	800	2.1%
H. Mechanical or chemical trauma	1,180	3.0%	1,139	2.9%
I. Congenital opacities	672	1.7%	816	2.1%
J. Pterygium	15	0.0%	12	0.0%
K. Non-infectious ulcerative keratitis or perforation	1,357	3.4%	1,197	3.1%
L. Other causes of corneal dysfunction or distortion (non-endothelial)	2,633	6.7%	2,814	7.2%
M. Other causes of endothelial dysfunction	1,189	3.0%	1,423	3.7%
Z. Unknown, unreported, or unspecified	16,373	41.4%	14,238	36.6%
Total Indications for Penetrating Keratoplasty	39,554		38,919	

Indications for Anterior Lamellar Keratoplasty	2015		2014	
B. Keratoconus	844	38.3%	757	38.8%
D. Repeat Corneal Transplant	50	2.3%	27	1.4%
E. Other degenerations or dystrophies	89	4.0%	107	5.5%
F. Post-refractive surgery	17	0.8%	8	0.4%
G. Microbial changes	56	2.5%	32	1.6%
H. Mechanical or chemical trauma	53	2.4%	47	2.4%
I. Congenital opacities	41	1.9%	27	1.4%
J. Pterygium	5	0.2%	6	0.3%
K. Non-infectious ulcerative keratitis or perforation	82	3.7%	51	2.6%
L. Other causes of corneal dysfunction or distortion	171	7.8%	140	7.2%
Z. Unknown, unreported, or unspecified	793	36.0%	751	38.5%
Total for Anterior Keratoplasty	2,201		1,953	

Indications for Endothelial Keratoplasty	2015		2014	
A. Post-Cataract Surgery Edema	5,385	17.5%	5,151	17.8%
C. Fuchs' Dystrophy	14,472	47.1%	13,817	47.7%
D. Repeat Corneal Transplant	2,613	8.5%	2,385	8.2%
M. Other Causes of Endothelial Dysfunction	3,208	10.4%	3,099	10.7%
Z. Unknown, unreported, or unspecified	5,032	16.4%	4,509	15.6%
Total for Endothelial Keratoplasty	30,710		28,961	

Indications for Transplant:

The indications for keratoplasty procedures utilizing 72,465 corneas provided by U.S. eye banks for PK, ALK and EK are shown in Table 5: “Indications for Corneal Transplant Reported by U.S. Banks”, on the preceding page. Unfortunately, since 2011 the most frequent indication for transplant noted on forms returned to eye banks has been “unknown”. The data for different procedures that are used for different diagnoses is potentially skewed since the diagnosis is unknown for over 30% of all grafts (41.4% of PKs, 36% of ALKs and 16.4% of EKs).

Table 6 on the following page shows the data in Table 5 condensed into four basic categories that illustrate the main diagnoses for procedures performed: 1) endothelial cell failure, 2) stromal or full thickness (non-endothelial) disease, 3) regrafts and 4) unknown. Within the specific diagnosis categories, Fuchs’ dystrophy was the most common indication for keratoplasty again in 2015 (15,013, 21.5%). Post cataract surgery edema was second (8,529, 12.2%) and keratoconus (6,981, 10.1%) was third. Repeat transplants were fourth (6,811, 9.8%). The order of these four categories was essentially unchanged from 2013.

The data in Table 6 are essentially unchanged from 2014 and 2013. 92% of patients with Fuchs’ dystrophy were treated with EK. The 8% who received a penetrating keratoplasty presumably had stromal haze that would have impaired visual acuity after endothelial cell replacement, could not tolerate the positional restrictions necessary for EK or did not have access to pre-cut tissue. 89% of patients with keratoconus were treated with penetrating keratoplasty, while 11% had ALK. The difficulty of ALK and uncertainty over reimbursement continue to hold this ratio essentially unchanged for the past four years.

Endothelial keratoplasty numbers increased about the same amount as the increase in DMEK, suggesting that DSEK numbers remain fairly constant and the increase in EK is propelled by increasing numbers of DMEK. Endothelial keratoplasty as seen previously in Figure 1 was the most common type of keratoplasty procedure performed in 2015.

Endothelial cell failure is the leading indication as a group for keratoplasty from U.S. provided tissue. Nearly forty percent of all keratoplasty procedures were performed for endothelial failure (Fuchs, post cataract surgery edema and other causes of endothelial cell failure). Grafts for corneal edema were 23,065 EKs (81.2%) and 5,329 PKs (18.8%). 20.6% of all keratoplasty procedures were performed for stromal or full thickness disease; of these, 90.9% were PKs and 9.1% were ALK, (compared to 7.6% ALK last year). For keratoconus, the leading individual indication for keratoplasty, there were 5,835 (87.4%) PKs and 844 (12.6%) ALKs performed (compared to 10.8% ALK last year). The overall regrant rate was 9.6%, essentially unchanged from last year: regrant rates were 2.3% for ALK, 8.5% for EK and 10.8% for PK.

Note: Tables 1, 2, 5, and 6 and Figures 4 and 5 refer to corneas provided by U.S. eye banks for domestic and international use.
Figures 1, 2, 3, and 6 and Tables 3 and 4 refer to corneas transplanted only in the U.S.

Table 6: Indications for Transplant 2015								
Endothelial Cell Failure								
Surgical Diagnosis		PK		ALK		EK		TOTAL
A	Post-cataract surgery edema	2,905	35%	--	--	5,385	65%	8,290
C	Fuch's Dystrophy	1,235	7.9%	--	--	14,472	92.1%	15,707
M	Other causes of endothelial dysfunction	1,189	27%	--	--	3,208	73%	4,397
Subtotal		5,329	18.8%	0	0%	23,065	81.2%	28,394
		13.5% of PK				75.1% EK		39.2% of grafts

Stromal or Full Thickness (non-endothelial) Disease								
Surgical Diagnosis		PK		ALK		EK		TOTAL
B	Keratoconus	5,835	87.4%	844	12.6%	--	--	6,679
E	Other Degenerations of Dystrophies	1,148	92.8%	89	7.2%	--	--	1,237
F	Post-refractive Surgery	55	76.4%	17	23.6%	--	--	72
G	Microbial Changes	689	92.5%	56	7.5%	--	--	745
H	Mechanical or Chemical Trauma	1,180	95.7%	53	4.3%	--	--	1,233
I	Congenital Opacities	672	94.2%	41	5.8%	--	--	713
J	Pterygium	15	75%	5	25%	--	--	20
K	Non-infectious ulcerative keratitis or perforations	1,357	94.3%	82	5.7%	--	--	1,439
L	Other causes of corneal dysfunction or distortion	2,633	93.9%	171	6.1%	--	--	2,804
Subtotal		13,584	90.9%	1,358	9.1%	0	0%	14,942
		34.3% of PK		61.7% of ALK				20.6% of grafts

Regraft								
Surgical Diagnosis		PK		ALK		EK		TOTAL
D	Repeat Corneal Transplant	4,267	61.6%	50	0.7%	2,613	37.7%	6,930
		10.8% of PK		2.3% of ALK		8.5% of EK		9.6% of grafts

Unknown / Unspecified								
Surgical Diagnosis		PK		ALK		EK		TOTAL
Z.	Unknown, unreported, or unspecified	16,373	73.8%	793	3.6%	5,032	22.7%	22,198
		41.4% of PK		36% of ALK		16.4% of EK		30.6% of grafts

		PK		ALK		EK		TOTAL
Total for Each Procedure		39,554	54.6%	2,201	3.0%	30,710	42.4%	72,465

Still of concern is the 30.6% “unknown” diagnosis for keratoplasty procedures, up from 27.9% last year, which can skew the data in any number of directions and limit the significance of the conclusions that can be drawn from these data. The “unknowns” may be mostly internationally distributed tissue, which as a group may or may not have the profile of domestic tissue, for which the diagnosis has been noted.

Conclusions:

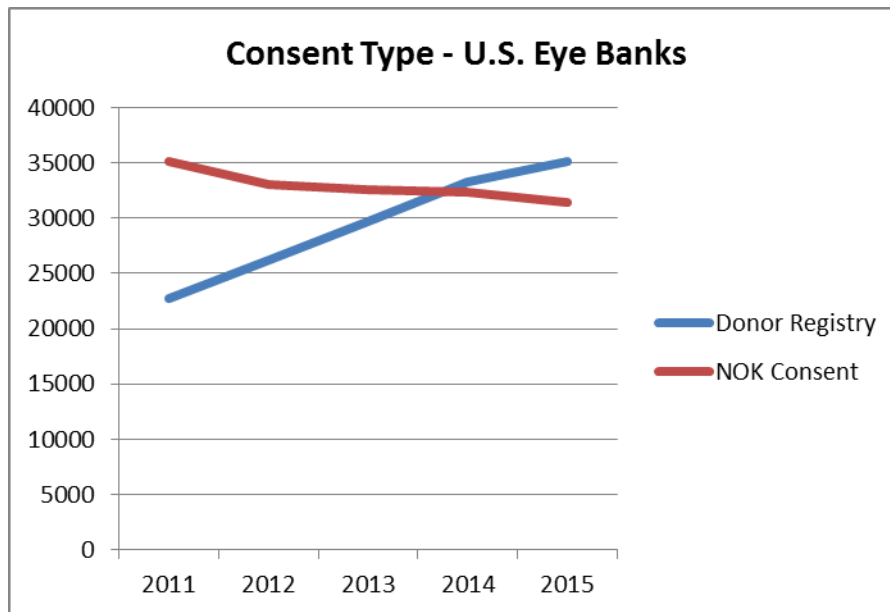
- 1) Endothelial keratoplasty was the most common domestic keratoplasty procedure in 2015 for the fourth year in a row (see Figure 1). 38.7% of U.S. donated tissue was used for EK.
- 2) 39.2% of all keratoplasty procedures were for endothelial disease in 2015 (Table 6).
- 3) The slight increase in domestic EK in 2015 was accounted for by the increase in DMEK
 - a) DMEK increased 63.8% in 2015 (increased 88.2% in 2014 and 103.5% in 2013).
 - b) DSEK decreased 2.5% in 2015 (1.6% decrease in 2014 and 5.2% increase in 2013).
- 4) The number of domestic penetrating keratoplasty procedures using tissue in intermediate-term storage solution decreased again in 2015 for the tenth consecutive year (from 42,063 in 2005 to 19,160 in 2015) (see Table 3).
- 5) Anterior lamellar keratoplasty, keratoprosthesis and keratolimbal allograft use of U.S. donated tissues all increased in 2015, but the numbers of all three procedures remain small.
- 6) Corneas in long-term storage solution used for patching glaucoma tube shunt procedures increased substantially in 2015.
- 7) The number of keratoplasty procedures reported as “Unknown” continues to be a significant surgeon induced source of error in the statistical reporting process and may be improved by implementing a recipient graft registry.

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2015 Eye Banking Statistics Reported by U.S. Banks: Death Referrals and Tissue Recoveries

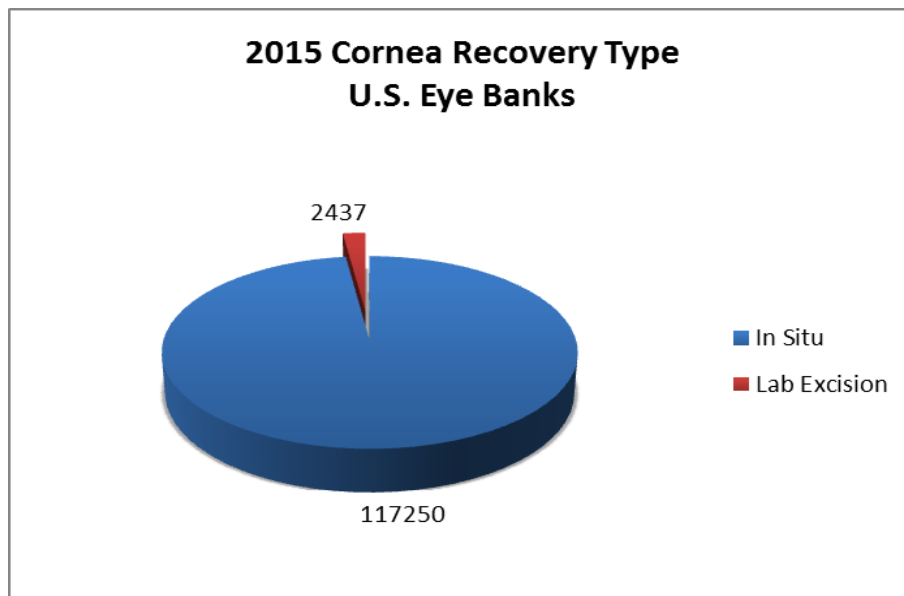
Donations	2015	2014	2013	2012	2011
Number of Eye Banks Reporting	71	76	76	80	79
Total Whole Eyes and Corneas Donated	130,987	128,675	123,079	116,990	114,348
Total Number of Donors	66,526	65,558	62,274	59,221	57,835

Death Referrals	2015	2014	2013
Total Death Referrals	693,449	748,786	738,404
Death referrals determined eligible	174,349	166,849	168,977
Tissue Recoveries			
Total Donors	66,526	65,558	62,274
Donors recovered not found on donor registry or known to have first person consent	31,390	32,306	32,628
Donors recovered found on donor registry or known to have first person consent	35,136	33,252	29,646
Eyes or Corneas Recovered with Intent for Surgical Use	119,687	116,071	110,365
Eyes or Corneas Recovered for Other Uses	11,300	12,604	12,714



2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Comparison of Eye Bank Cornea Recovery Rates

U.S. Eye Banks						
Recovered Corneas	2011	2012	2013	2014	2015	Trends
0	2	0	2	2	1	
<100	2	2	3	4	2	
100-250	5	5	5	3	5	
251-500	13	18	16	13	12	
501-1,000	15	15	14	17	12	
1,001-2,000	29	20	22	23	19	
2,001-3,000	5	6	8	6	8	
3,001-4,000	5	3	1	2	1	
4,001-5,000	2	2	2	3	2	
5,001-6,000	1	1	1	1	2	
6,001-7,000	1	0	0	0	1	
7,001-8,000	1	0	0	0	0	
8,001-9,000	0	1	0	0	0	
9,001-10,000	0	0	1	0	0	
>10,000	0	0	1	2	2	
Avg. Corneas Recovered for Transplant	1253	1297	1452	1527	1711	

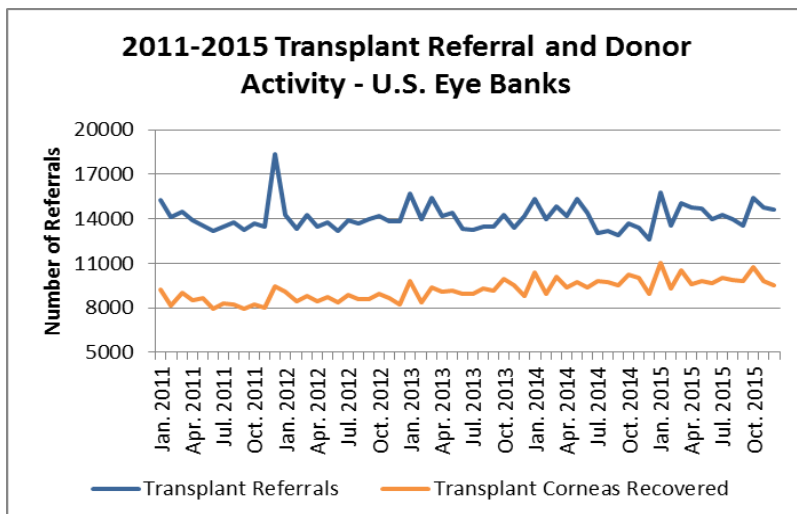
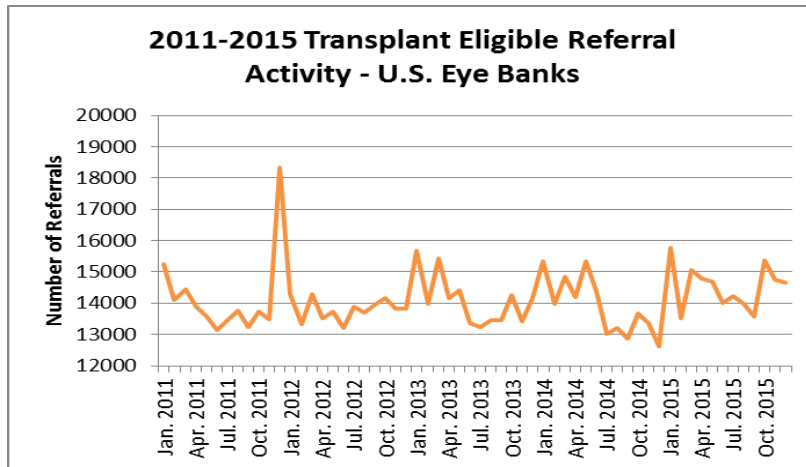
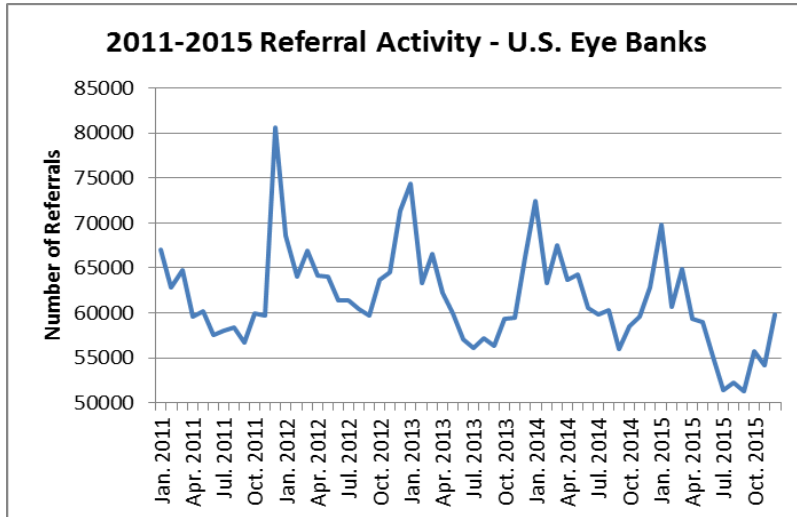


2015 Eye Banking Statistics Reported by U.S. Banks: Referral Trends, Transplant and Conversion Rates

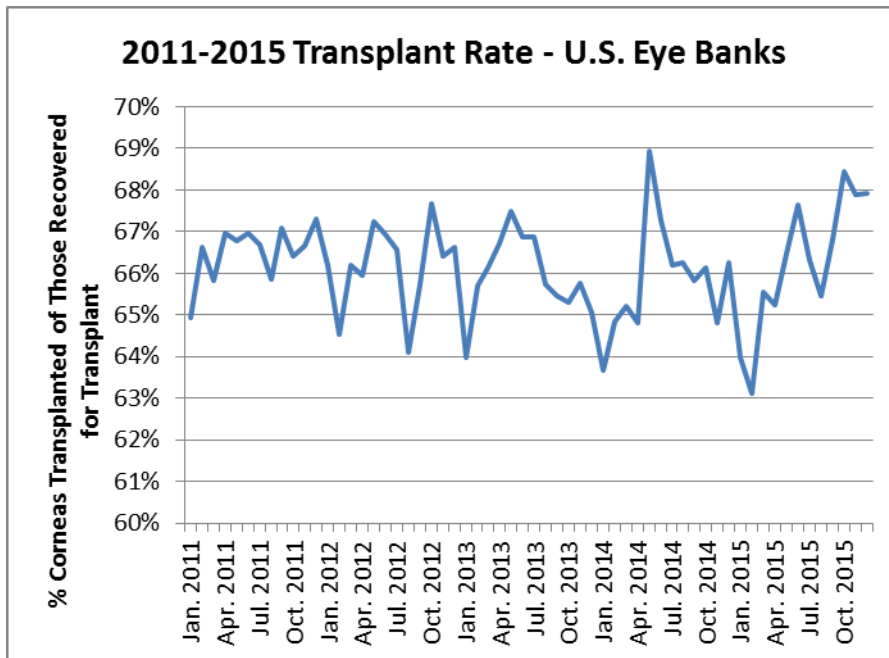
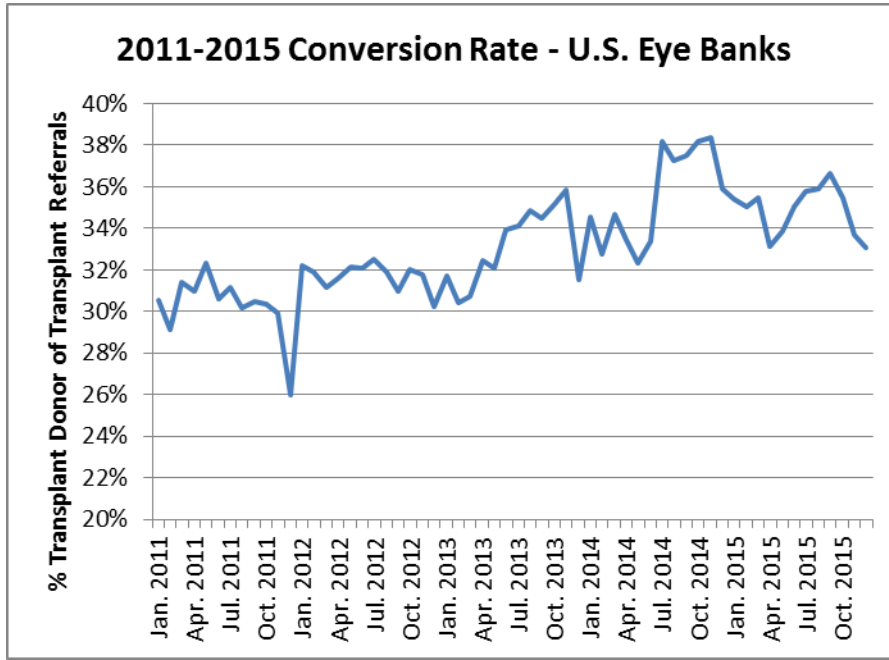
U.S. Eye Banks					
Month	Transplant Rate	Conversion Rate	Death Referrals	Transplant Eligible Referrals	Transplant Intended Corneas Recovered
Jan. 2015	64.0%	35.4%	69795	15780	11004
Feb. 2015	63.1%	35.1%	60634	13522	9279
Mar. 2015	65.6%	35.5%	64872	15051	10500
Apr. 2015	65.2%	33.1%	59307	14766	9621
May 2015	66.5%	33.9%	59002	14678	9781
Jun. 2015	67.7%	35.0%	55133	14001	9656
Jul. 2015	66.3%	35.8%	51380	14230	10051
Aug. 2015	65.5%	35.9%	52293	13992	9882
Sep. 2015	66.8%	36.7%	51299	13566	9812
Oct. 2015	68.5%	35.5%	55742	15372	10763
Nov. 2015	68.0%	33.7%	54216	14749	9793
Dec. 2015	68.0%	33.1%	59776	14642	9545
2011 Total	66.5%	30.1%	745405	170388	101533
2012 Total	66.2%	31.7%	770479	165688	103774
2013 Total	65.9%	33.0%	738404	168977	110365
2014 Total	65.9%	35.4%	748786	166849	116071
2015 Total	66.3%	34.9%	693449	174349	119687
2015 Avg.	N/A	N/A	57787	14529	9974
Std. Dev.	1.7%	1.2%	5621	693	519

*Transplant rate is the number of corneas used for transplant divided by the number recovered for transplant. Conversion rate is the number of transplant donors divided by the number of transplant eligible referrals.

2015 Eye Banking Statistics Reported by U.S. Banks: Referral Trends, Transplant and Conversion Rates

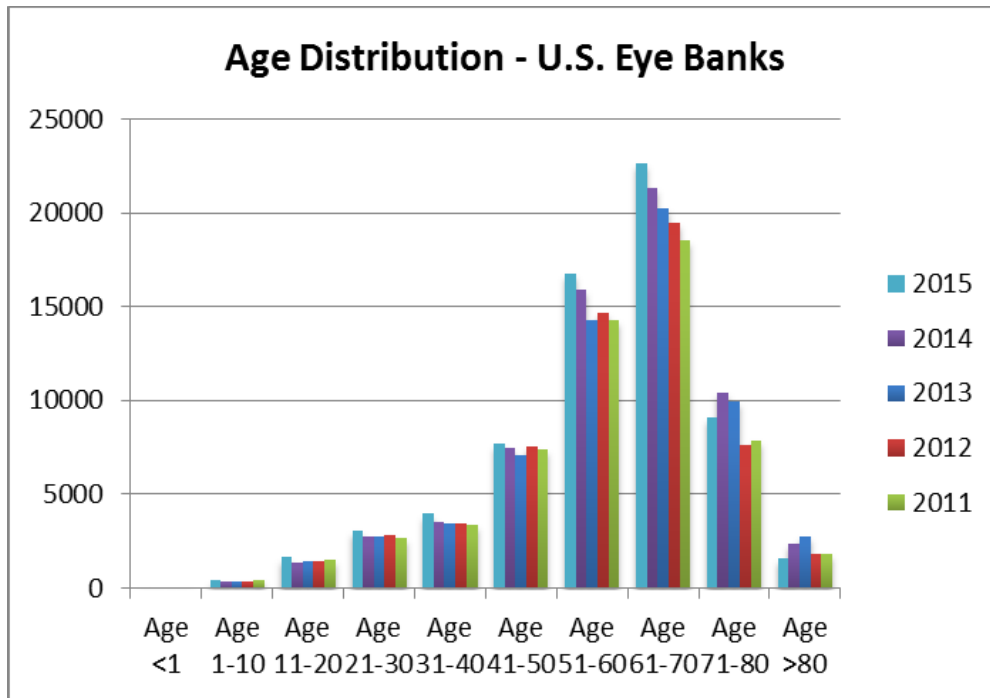


2015 Eye Banking Statistics Reported by U.S. Banks: Transplant and Conversion Rates



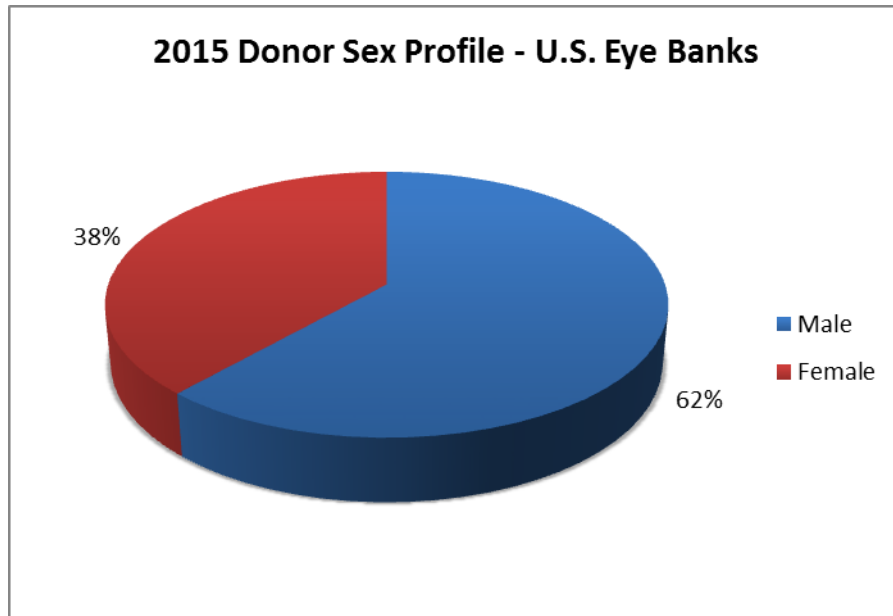
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Donors by Age Reported by U.S. Banks

U.S. Eye Banks - Age Profile										
Year	Age <1	Age 1-10	Age 11-20	Age 21-30	Age 31-40	Age 41-50	Age 51-60	Age 61-70	Age 71-80	Age >80
2011	12	405	1541	2700	3395	7370	14245	18521	7830	1816
2012	21	367	1468	2843	3451	7542	14679	19431	7603	1816
2013	21	346	1436	2732	3431	7099	14307	20213	9907	2782
2014	15	380	1392	2780	3531	7474	15907	21338	10413	2328
2015	15	359	1602	3035	3917	7657	16717	22586	9055	1583
Monthly Avg	1	30	134	253	326	638	1393	1882	755	132
Std. Dev.	1.0	6.7	17.7	31.8	33.0	35.9	59.6	132.6	91.3	21.1



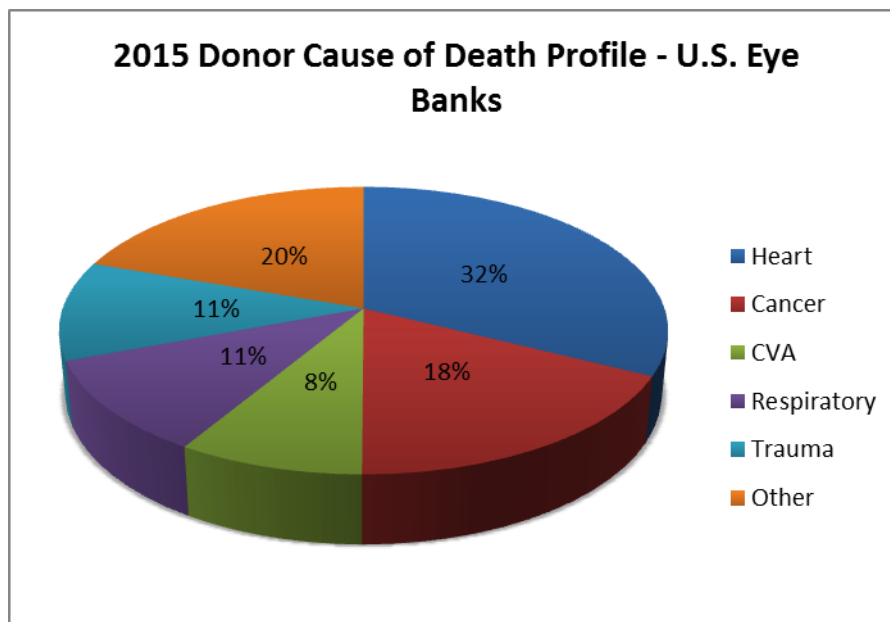
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Donors by Gender Reported by U.S. Banks

U.S. Eye Banks - Sex Profile		
Year	Male	Female
2011	35491	22344
2012	36104	23117
2013	38221	24053
2014	39975	25583
2015	40990	25536
Monthly Avg.		
	3416	2128
Std. Dev.		
	181.5	111.7



2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Cause of Death Reported by U.S. Banks

U.S. Eye Banks - Cause of Death Profile						
Year	Heart	Cancer	CVA	Respiratory	Trauma	Other
2011	19578	10680	5224	5785	6327	10241
2012	19889	11117	5342	5874	6730	10269
2013	20302	11581	5618	6557	6806	11410
2014	21969	11831	5884	7134	6893	11847
2015	21587	11722	5699	7052	7427	13039
Monthly Avg.	1799	977	475	588	619	1087
Std. Dev.	110.8	79.0	27.2	79.1	76.2	55.0



2015 Eye Banking Statistics Reported by U.S. Banks: Reasons Tissue Intended for Surgery Was Not Released

There are several reasons why tissue intended for surgery may not ultimately be used for surgery. These include positive serology results, defects noted at the time of evaluation (scars, infiltrates, low cell counts, etc.) and/or medical or social history information, all of which occur subsequent to initial screening and procurement.

Contraindications for Transplant ¹	2015		2014	
Positive or Reactive Test for Communicable Disease Agent or Disease	9,903	29.5%	10,161	30.8%
Anti-HIV-1/2	220	0.7%	185	0.6%
HIV-1 Nucleic Acid Test Positive	80	0.2%	70	0.2%
Anti-HCV	2,025	6.0%	1,889	5.7%
Hepatitis C Nucleic Acid Test Positive	700	2.1%	709	2.2%
Hepatitis B Surface Antigen (HBsAg) Positive	1,070	3.2%	1,130	3.4%
Hepatitis B Core (HBcAb) Positive	4,453	13.3%	4,889	14.8%
Hepatitis B Nucleic Acid Test Positive	287	0.9%	379	1.1%
Syphilis Positive	358	1.1%	390	1.2%
HTLV Antibody (HTLV I/II Ab)	234	0.7%	206	0.6%
West Nile Virus Nucleic Acid Test Positive	10	0.03%	4	0.01%
Other Positive Serology	466	1.4%	342	1.0%
Other Communicable Disease Testing Issue	368	1.1%	423	1.3%
Medical Record or Autopsy Findings	7,754	23.1%	7,313	22.2%
Dementia	827	2.5%	733	2.2%
Sepsis	3,521	10.5%	3,510	10.6%
Sepsis - (determined by positive blood cultures)	1,078	3.2%	1,067	3.2%
Sepsis - (determined by other indicators)	2,443	7.3%	2,443	7.4%
Plasma Dilution	381	1.1%	445	1.4%
Unknown Cause of Death	326	1.0%	388	1.2%
Medical Record or Autopsy Findings: Other	2,699	8.0%	2,237	6.8%
Medical/Social Interview	2,745	8.2%	2,331	7.1%
Travel Questions	467	1.4%	379	1.1%
Dementia / Neurological Issues	180	0.5%	139	0.4%
Medical/Social Interview: Other	2,098	6.2%	1,813	5.5%
Body Exam	266	0.8%	235	0.7%
Total eyes/corneas intended for transplant but not released for transplant	33,577		32,958	

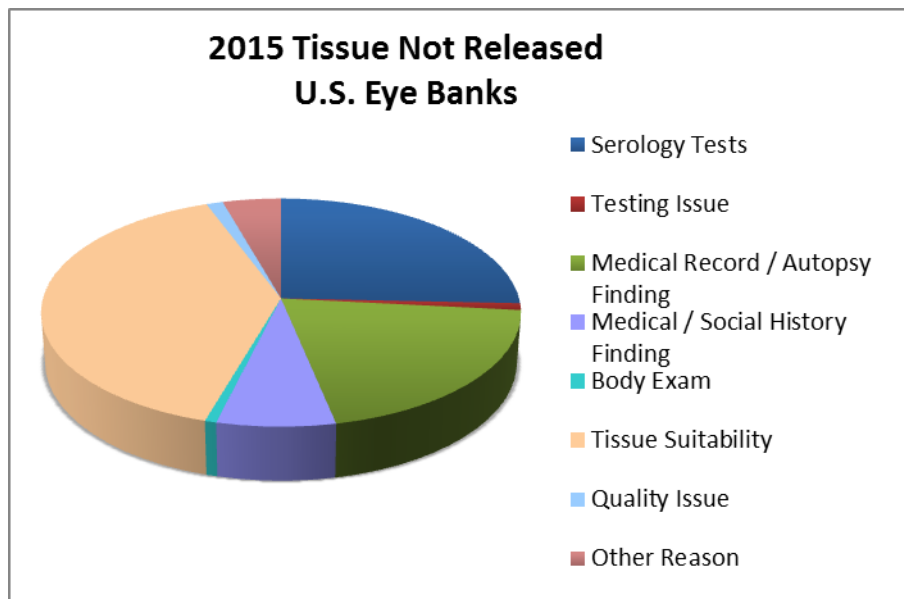
*Percentages read from this table should be read as "of the tissue not released for transplant"

¹ Some tissues had multiple contraindications.

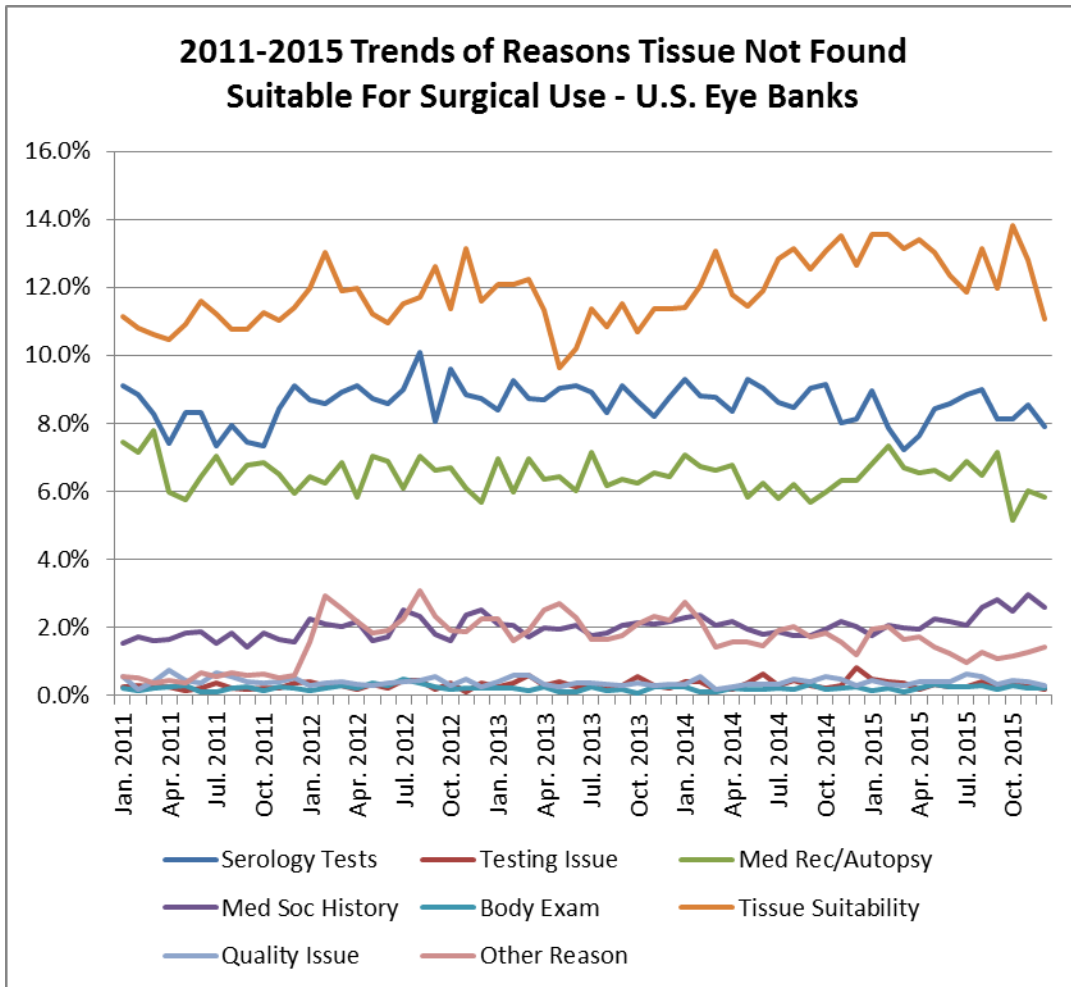
2015 Eye Banking Statistics Reported by U.S. Banks: Reasons Tissue Intended for Surgery Was Not Released

Contraindications for Transplant (continued)	2015		2014	
	Count	Percentage	Count	Percentage
Tissue Suitability (e.g. slit lamp/spec eval)	15,341	45.7%	14,463	43.9%
Epithelium	313	0.9%	403	1.2%
Stroma	5,954	17.7%	6,111	18.5%
Prior reactive surgery	512	1.5%	473	1.4%
Scar	1,151	3.4%	1,628	4.9%
Infiltrate	2,983	8.9%	2,755	8.4%
Foreign Body	210	0.6%	187	0.6%
Other	1,098	3.3%	1,068	3.2%
Descemet's membrane	520	1.5%	455	1.4%
Endothelium	8,885	26.5%	7,494	22.7%
Quality Issue	486	1.4%	434	1.3%
Storage	135	0.4%	136	0.4%
Labeling	9	0.0%	11	0.0%
Processing	252	0.8%	232	0.7%
Supply or Reagent	58	0.2%	24	0.1%
Environmental Control	32	0.1%	31	0.1%
Other Reason prior to Tissue Release	1,708	5.1%	2,065	6.3%
Total eyes/corneas intended for transplant but not released for transplant	33,577		32,958	

*Percentages read from this table should be read as "of the tissue not released for transplant"

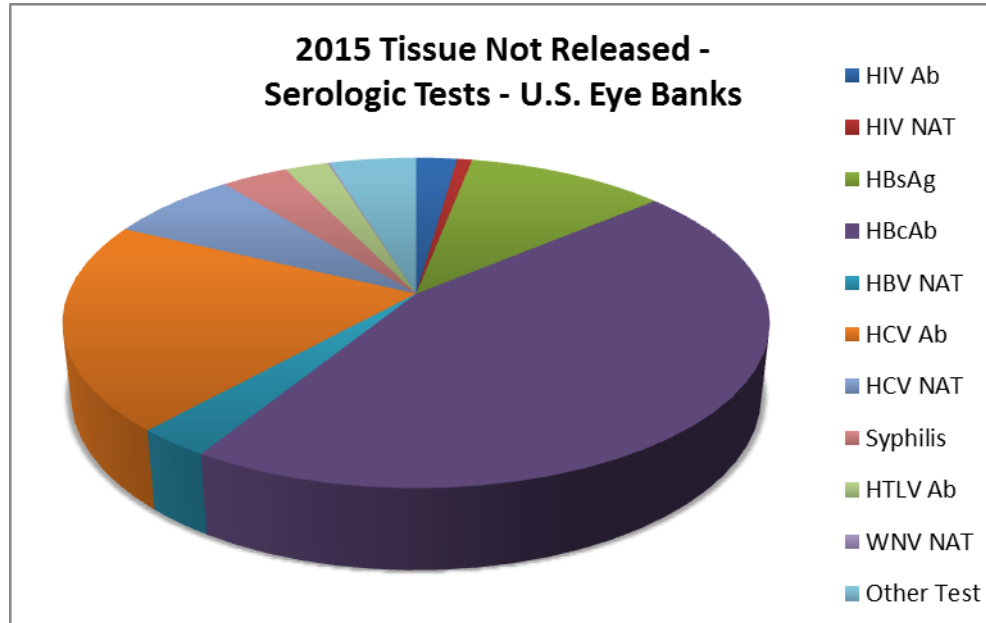


2015 Eye Banking Statistics Reported by U.S. Banks: Reasons Tissue Intended for Surgery Was Not Released



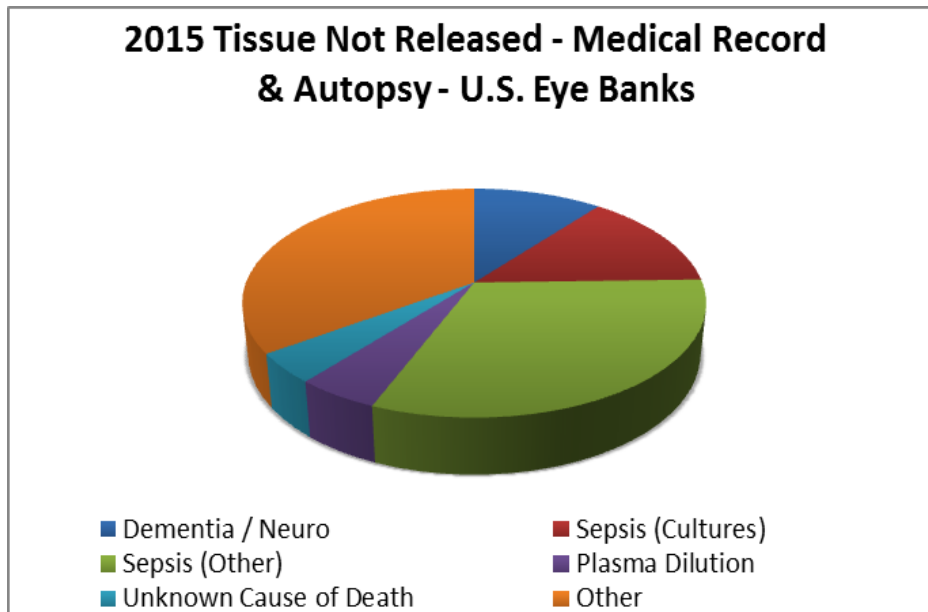
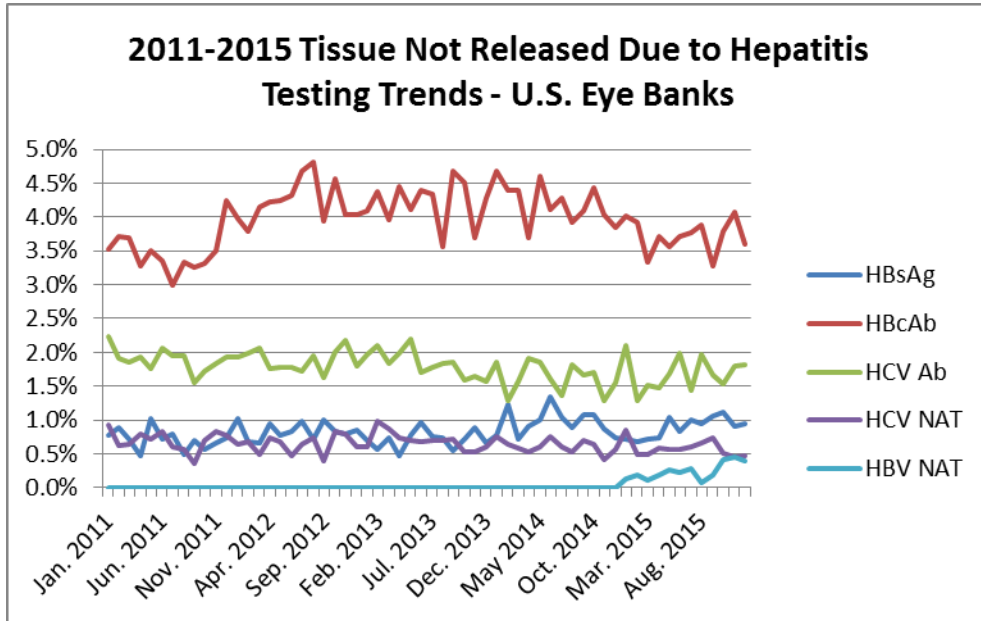
Reasons Not Released	2011	2012	2013	2014	2015	Trends
Serology Tests	8299	9250	9656	10161	9903	
Testing Issue	246	307	375	423	368	
Med. Rec./Autopsy Finding	6756	6701	7138	7313	7754	
Med Soc Hx Finding	1694	2158	2200	2331	2745	
Body Exam	205	273	189	235	266	
Tissue Suitability	11168	12360	12384	14463	15341	
Quality Issue	476	378	416	434	486	
Other Reason	542	2296	2294	2065	1708	

2015 Eye Banking Statistics Reported by U.S. Banks: Reasons Tissue Intended for Surgery Was Not Released



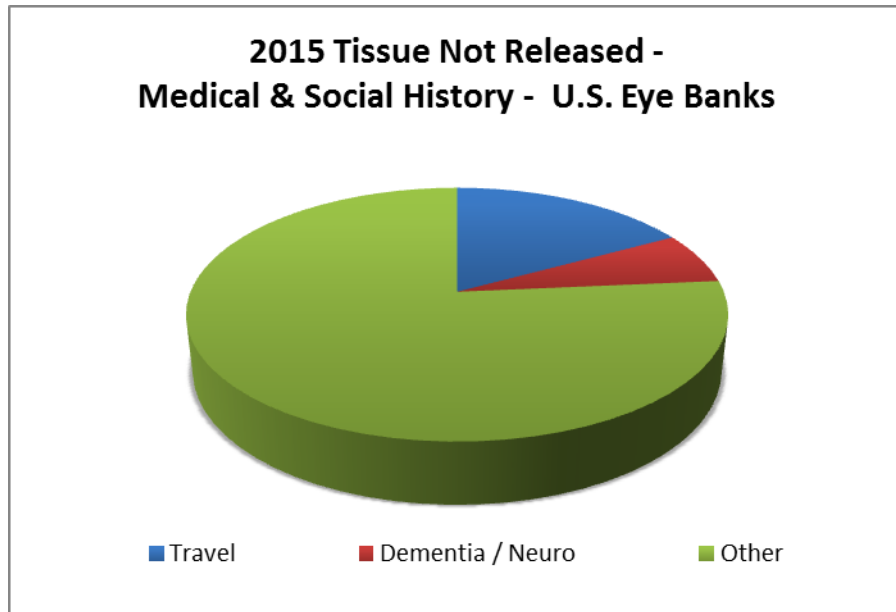
Not Released - Serology	2011	2012	2013	2014	2015	Trend
HIV	400	258	253	255	300	
HIV I/II Ab	164	173	169	185	220	
HIV NAT	236	85	84	70	80	
HBV	4261	5268	5425	6366	5810	
HBsAg	723	876	786	1130	1070	
HBCAb	3538	4392	4639	4889	4453	
HBV NAT	0	0	0	347	287	
HCV	2637	2623	2791	2598	2725	
HCV Ab	1925	1957	2029	1889	2025	
HCV NAT	712	666	762	709	700	
Syphilis	347	348	397	390	358	
HTLV	313	215	237	206	234	
WNV	0	0	0	4	10	
Other	341	538	553	342	466	

2015 Eye Banking Statistics Reported by U.S. Banks: Reasons Tissue Intended for Surgery Was Not Released



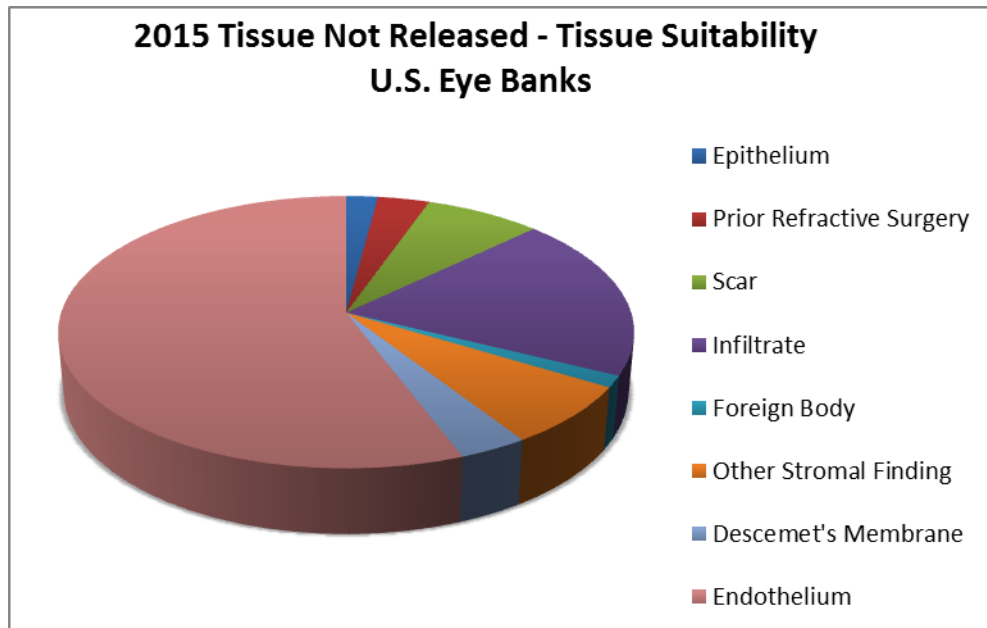
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Reasons Tissues Were Not Released

Not Released - Med Record / Autopsy	2011	2012	2013	2014	2015	Trends
Dementia/Neuro	491	542	660	733	827	
Sepsis (Cultures)	925	880	958	1067	1078	
Sepsis (Other)	2356	2511	2628	2443	2443	
Plasma Dilution	422	353	447	445	381	
Unknown COD	507	416	485	388	326	
Other	2055	1999	1960	2237	2699	



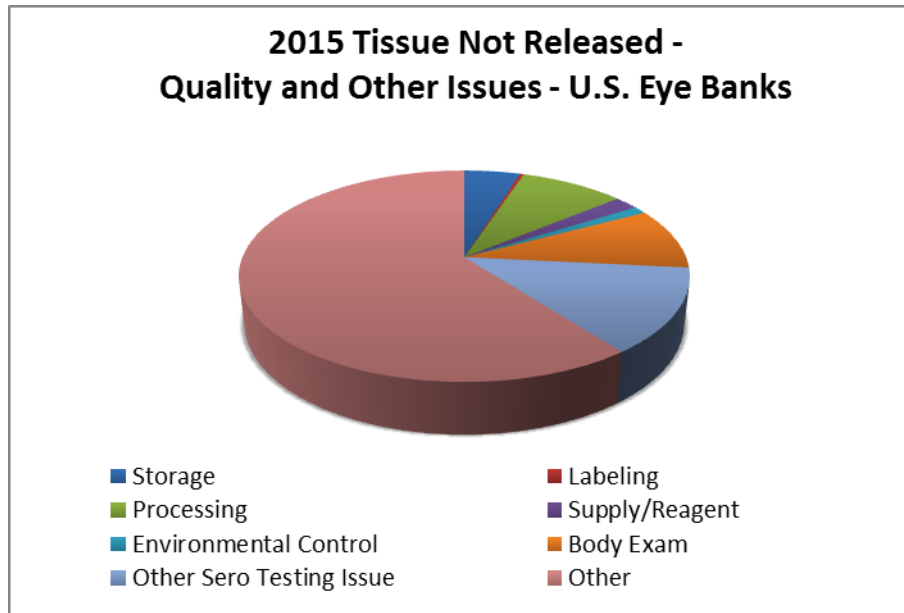
Not Released - Med Soc	2011	2012	2013	2014	2015	Trends
Travel	257	285	338	379	467	
Dementia/Neuro	146	174	198	139	180	
Other	1291	1699	1664	1813	2098	

2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Tissue Suitability Reasons Tissues Were Not Released



Not Released - Tissue Suitability	2011	2012	2013	2014	2015	Trends
Epithelium	368	288	279	403	313	
Prior Refractive Surgery	345	298	390	473	512	
Scar	989	1036	1329	1628	1151	
Infiltrate	2246	2455	2800	2755	2983	
Foreign Body	218	200	188	187	210	
Other Stromal Finding	1034	1404	1095	1068	1098	
Descemet's Membrane	403	438	346	455	520	
Endothelium	5565	6241	5957	7494	8554	

2015 Eye Banking Statistics Reported by U.S. Banks: Quality Issues for Tissue Not Released

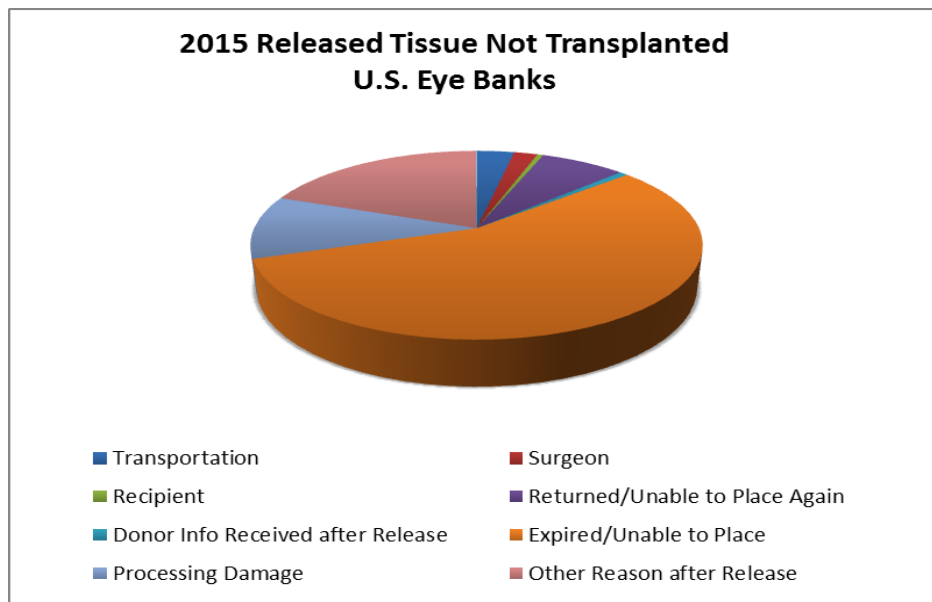


Not Released - Quality Issues / Other	2011	2012	2013	2014	2015	Trends
Storage Issue	173	123	101	136	135	
Labeling Issue	44	14	14	11	9	
Processing Issue (not released)	148	181	225	232	252	
Supply / Reagent Issue	84	40	47	24	58	
Environmental Control Issue	27	20	29	31	32	
Body Exam	205	273	189	235	266	
Other Sero Testing Issue	246	307	375	423	368	
Other Issue	542	2296	2294	2065	1708	

2015 Eye Banking Statistics Reported by U.S. Banks: Reasons Released Tissues Were Not Transplanted

Reasons Released Tissues Were Not Transplanted	2015		2014	
	Count	Percentage	Count	Percentage
Transportation Issue	226	3.3%	169	2.5%
Surgeon Issue	140	2.1%	150	2.2%
Recipient Issue	35	0.5%	51	0.8%
Returned and Unable to Place Again	511	7.5%	414	6.2%
Donor Information Not Available at the Time of Tissue Release	50	0.7%	26	0.4%
Expired or Unable to Place Tissue	3,958	58.2%	4,265	63.8%
Tissue Damaged During Processing	764	11.2%	596	8.9%
Other Reason After Release of Tissue	1,359	20.0%	1,063	15.9%
Total eyes/corneas released for transplant but not used for transplant	6,806		6,681	

*Percentages read from this table should be read as "of the tissue not released for transplant"



Released but Not Transplanted	2011	2012	2013	2014	2015	Trends
Transport Issue	127	116	109	169	226	
Surgeon Issue	199	146	162	150	140	
Recipient Issue	54	37	38	51	35	
Returned, Unable to Place Again	299	301	267	414	511	
Donor Info Received After Release	39	12	54	26	50	
Expired, Unable to Place	3137	3798	3428	4265	3958	
Processing Damage After Release	283	440	501	596	764	
Other Reason After Release	393	270	714	1063	1359	

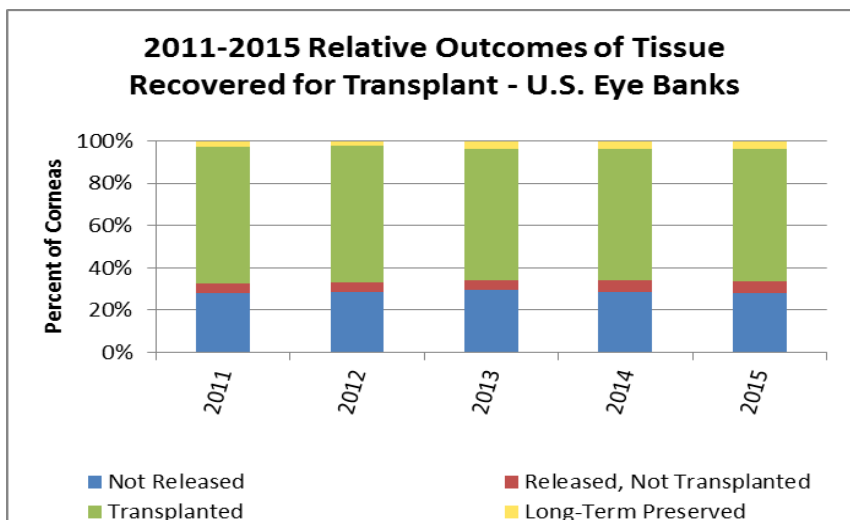
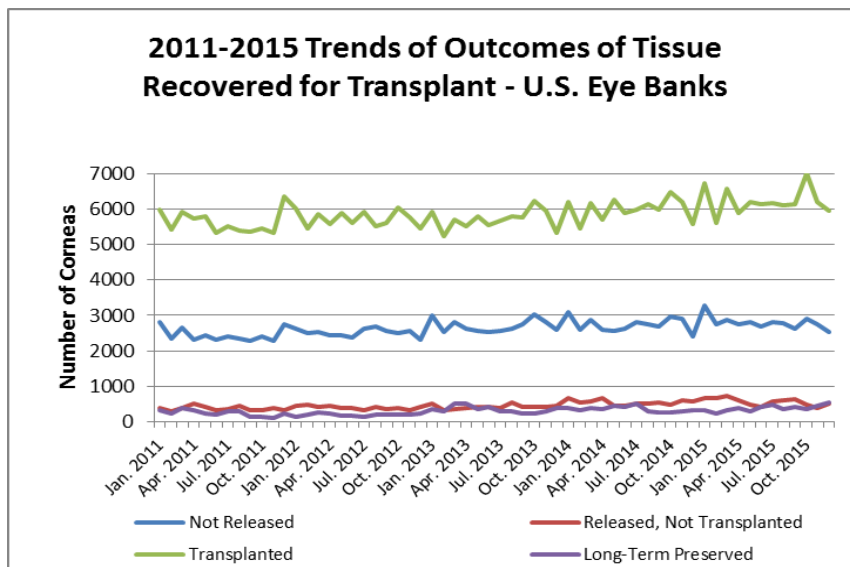
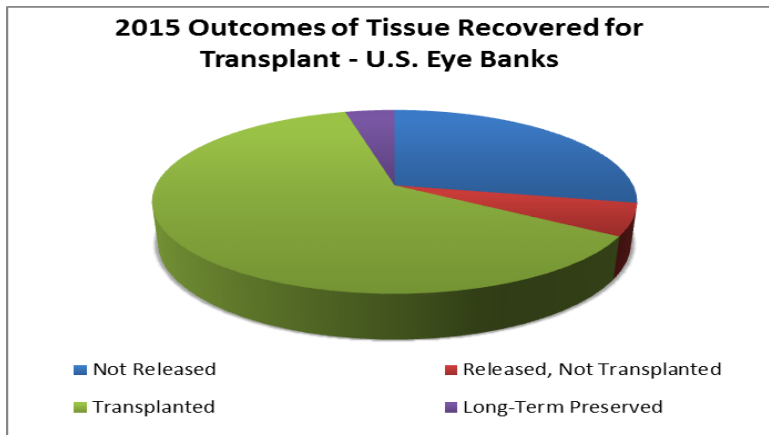
2015 Eye Banking Statistics Reported by U.S. Banks: Outcomes of Tissue Recovered for Transplant

Donations	2015	2014	% Change
Eye Banks Reported	71	76	(-6.6%)
Total Whole Globes and Corneas Donated	130,987	128,675	1.8%
Total Number of Donors	66,526	65,558	1.5%
Distribution	2015	2014	% Change
Intermediate-Term Preserved Corneas	74,623	72,013	3.6%
Sclera	3,225	3,345	(-3.6%)
Long-Term Preserved Corneas	11,672	7,223	61.6%
Research	16,924	17,670	(-4.2%)
Training	10,003	9,295	7.6%

Outcomes of Tissue Recovered for Transplant - U.S. Eye Banks											
Month	Corneas Recovered for Transplant	Corneas Segmented	Corneal Segments Produced	Not Released		Released but Not Transplanted		Whole Corneas and Segments Transplanted		Preserved Long-Term	
Jan. 2015	11004	0	0	3279	29.8%	684	6.2%	6708	61.0%	333	3.0%
Feb. 2015	9279	1	2	2765	29.8%	659	7.1%	5615	60.5%	241	2.6%
Mar. 2015	10500	0	0	2884	27.5%	732	7.0%	6563	62.5%	321	3.1%
Apr. 2015	9621	0	0	2739	28.5%	605	6.3%	5897	61.3%	380	3.9%
May 2015	9781	0	0	2804	28.7%	474	4.8%	6186	63.2%	317	3.2%
Jun. 2015	9656	0	0	2700	28.0%	421	4.4%	6120	63.4%	415	4.3%
Jul. 2015	10051	0	0	2808	27.9%	577	5.7%	6169	61.4%	497	4.9%
Aug. 2015	9882	0	0	2791	28.2%	622	6.3%	6101	61.7%	368	3.7%
Sep. 2015	9812	0	0	2624	26.7%	630	6.4%	6122	62.4%	436	4.4%
Oct. 2015	10763	0	0	2914	27.1%	479	4.5%	7000	65.0%	370	3.4%
Nov. 2015	9793	0	0	2738	28.0%	396	4.0%	6196	63.3%	463	4.7%
Dec. 2015	9545	0	0	2531	26.5%	527	5.5%	5947	62.3%	540	5.7%
2011 Total	101533	7	13	29407	29.0%	4536	4.5%	67520	66.5%	3017	3.0%
2012 Total	103774	4	7	30185	29.1%	4908	4.7%	68684	66.2%	2454	2.4%
2013 Total	110365	90	6	32456	29.4%	5182	4.7%	68442	62.1%	4294	3.9%
2014 Total	116071	2	4	32958	28.4%	6681	5.8%	72013	62.0%	4420	3.8%
2015 Total	119687	1	2	33577	28.1%	6806	5.7%	74624	62.3%	4681	3.9%
2015 Avg.	9974	0	0	2798	N/A	567	N/A	6219	N/A	390	N/A
Std. Dev.	519	0.29	0.6	184	1.0%	107	1.0%	375	1.3%	85	0.9%

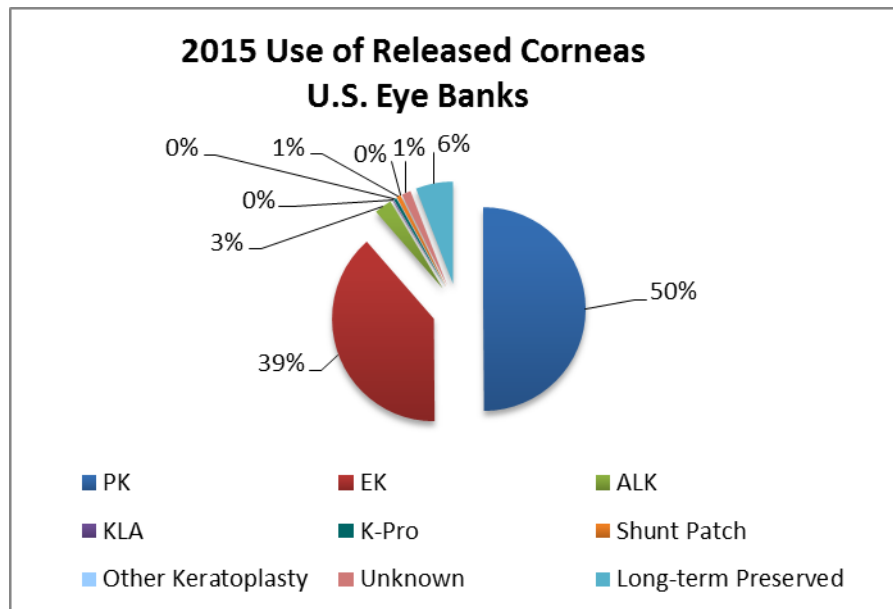
*Percentages read from this table should be read as "of the tissue recovered with transplant intent"

2015 Eye Banking Statistics Reported by U.S. Banks: Outcomes of Tissue Recovered for Transplant

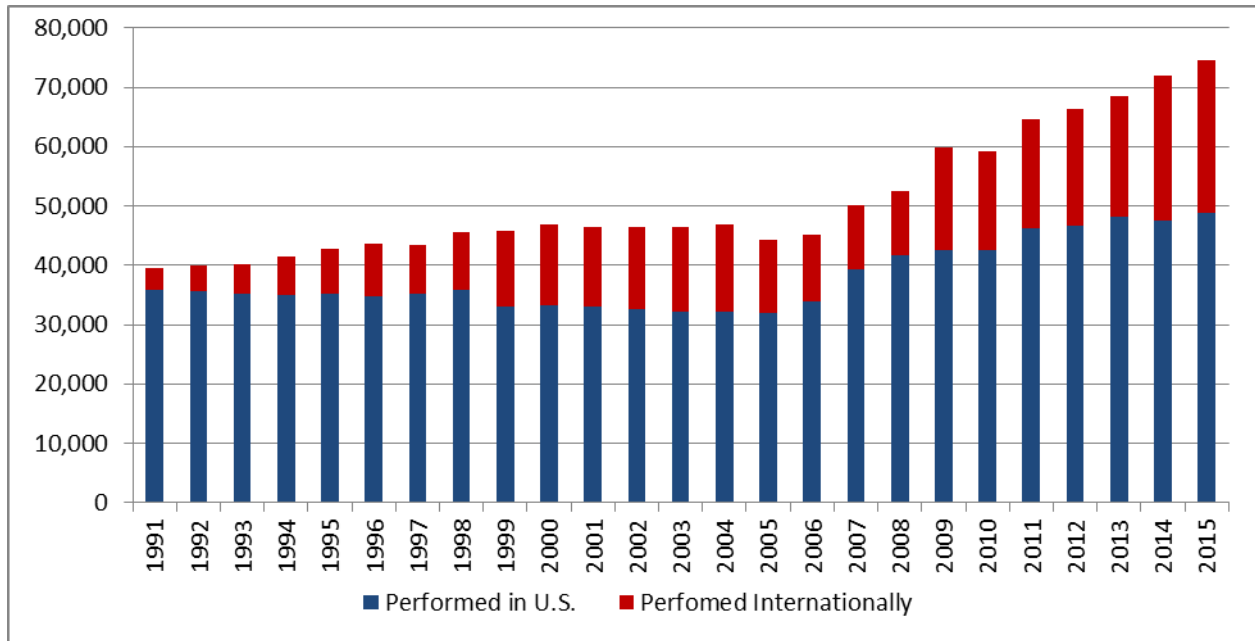


2015 Eye Banking Statistics Reported by U.S. Banks: Use of Donated Tissues

Distribution	2015	2014	2013	2012	2011
Corneal Grafts Total	79,304	76,431	72,736	68,681	67,590
Penetrating Keratoplasty	39,554	38,919	36,998	36,716	36,144
Anterior Lamellar Keratoplasty	2,201	1,953	2,009	1,855	1,778
Endothelial Keratoplasty	30,710	28,961	27,298	24,277	23,287
Keratolimbal Allograft	107	88	110	97	95
Keratoprosthesis (K-Pro)	364	294	255	263	358
Glaucoma Shunt Patch or other non-keratoplasty use	527	755	687	676	604
Other keratoplasty (experimental surgery)	19	17	17	44	14
Unknown or Unspecified	1,142	1,026	1,068	1,554	2,223
Sclera	3,225	3,345	3,693	3,497	5,507
Long-Term Preserved Corneas	11,672	7,223	4,840	5,095	4,409
Keratoplasty	737	938	499	305	276
Glaucoma Shunt Patching	10,843	6,212	4,040	4,435	3,802
Other Surgical Uses	92	73	301	335	331
Research	16,924	17,670	17,384	19,320	19,230
Training	10,003	9,295	7,451	6,850	6,940



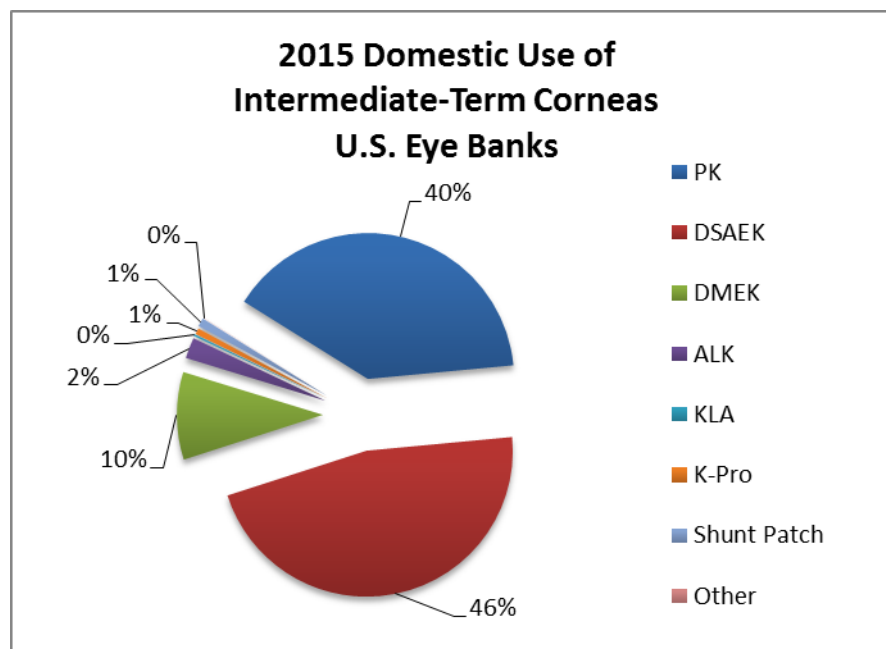
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Annual Number of Corneal Transplants Supplied by U.S. Banks



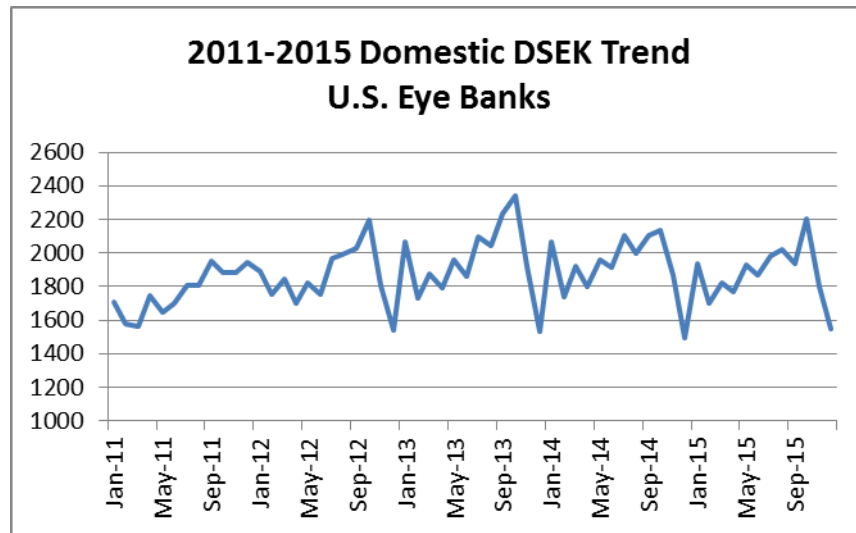
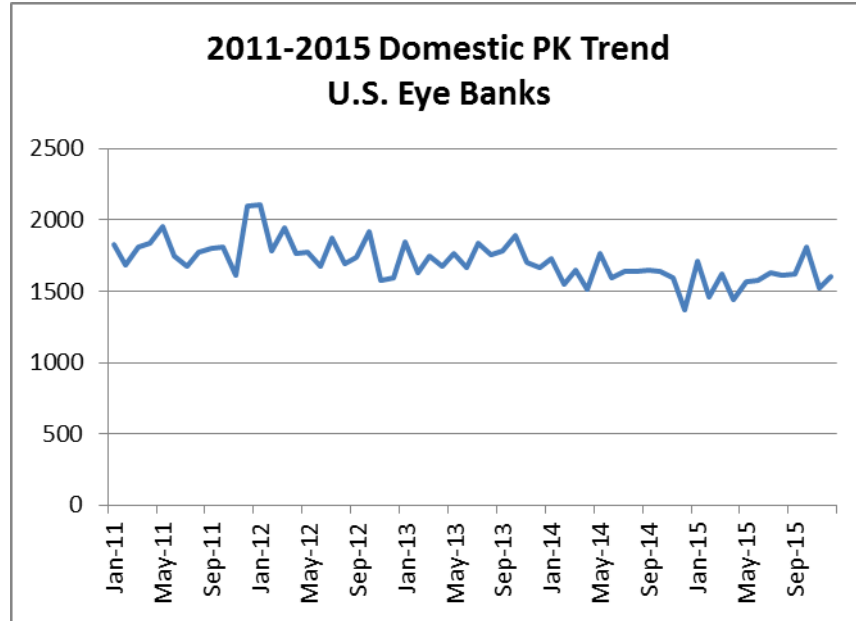
Year	Total Provided by U.S.	Performed in U.S.
1991	39,515	35,831
1992	39,973	35,525
1993	40,215	35,173
1994	41,539	35,022
1995	42,740	35,300
1996	43,711	34,668
1997	43,492	35,209
1998	45,579	35,861
1999	45,765	33,020
2000	46,949	33,260
2001	46,532	33,035
2002	46,440	32,559
2003	46,436	32,240
2004	46,841	32,106
2005	44,329	31,952
2006	45,035	33,962
2007	50,122	39,391
2008	52,487	41,652
2009	59,784	42,606
2010	59,271	42,642
2011	67,590	46,196
2012	68,681	46,684
2013	72,736	48,229
2014	76,431	47,530
2015	79,304	48,792

2015 Eye Banking Statistics Reported by U.S. Banks: Domestic Surgery Use of Intermediate-Term Preserved Tissue

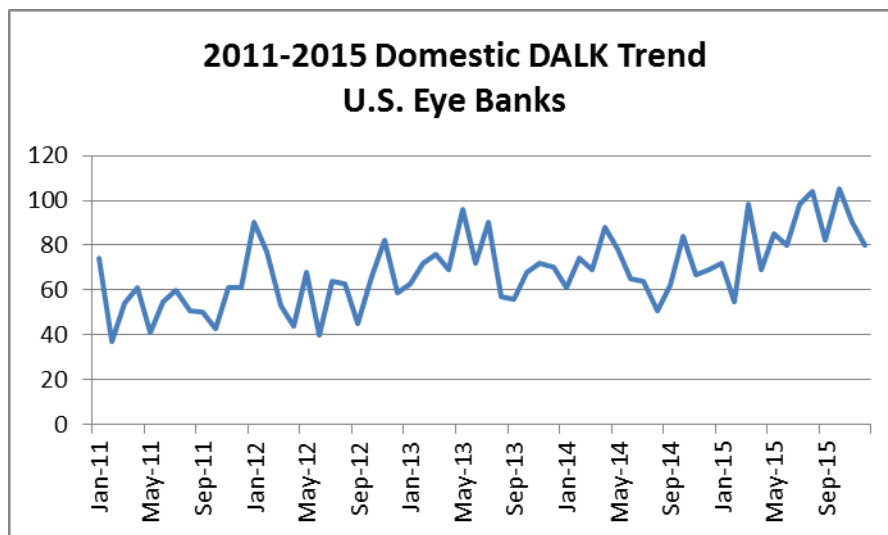
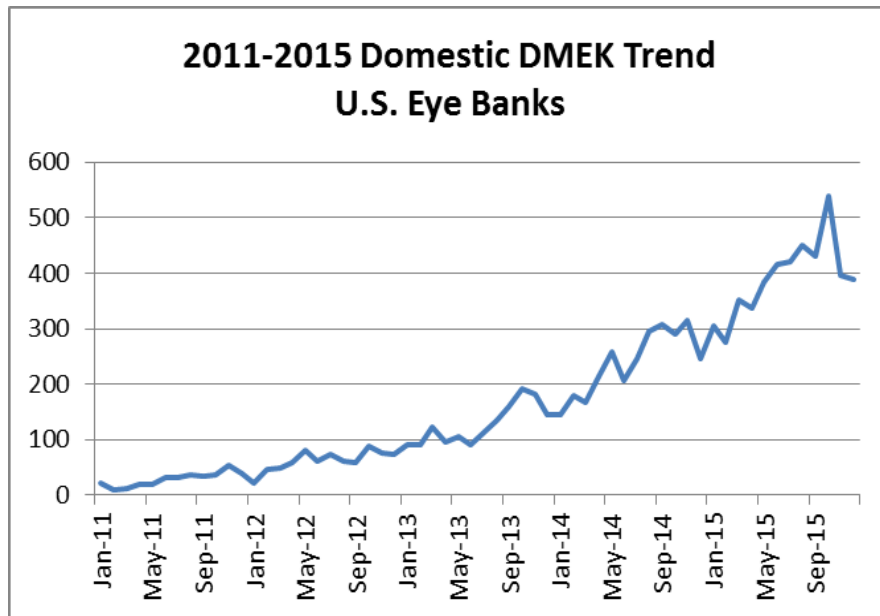
Intermediate-Term Tissue Domestic Distribution of Source Eye Bank Corneas		
	2015	2014
Intermediate-term preserved corneas processed into corneal segments	1	2
Number of intermediate-term preserved corneas segments produced	2	4
Intermediate-term preserved corneas, corneal segments or whole eyes transplanted in the U.S for:	48,792	47,530
PK	19,160	19,294
Optical or Elective PK	18,570	18,860
Emergency of Full Thickness	590	434
EK	27,208	25,965
DSEK, DSAEK, DLEK	22,514	23,100
DMEK or DMAEK	4,694	2,865
ALK	1,115	914
DALK (Deep Anterior Lamellar Keratoplasty)	1,018	832
SALK (Superficial Anterior Lamellar Keratoplasty)	26	20
Other ALK (e.g. peripheral, eccentric, etc.)	71	62
KLA	97	80
Keratoprosthesis (K-Pro)	323	260
Glaucoma shunt patch or other non-keratoplasty use	458	704
Other Keratoplasty (e.g. experimental surgery type)	12	13
Unknown or Unspecified	419	300



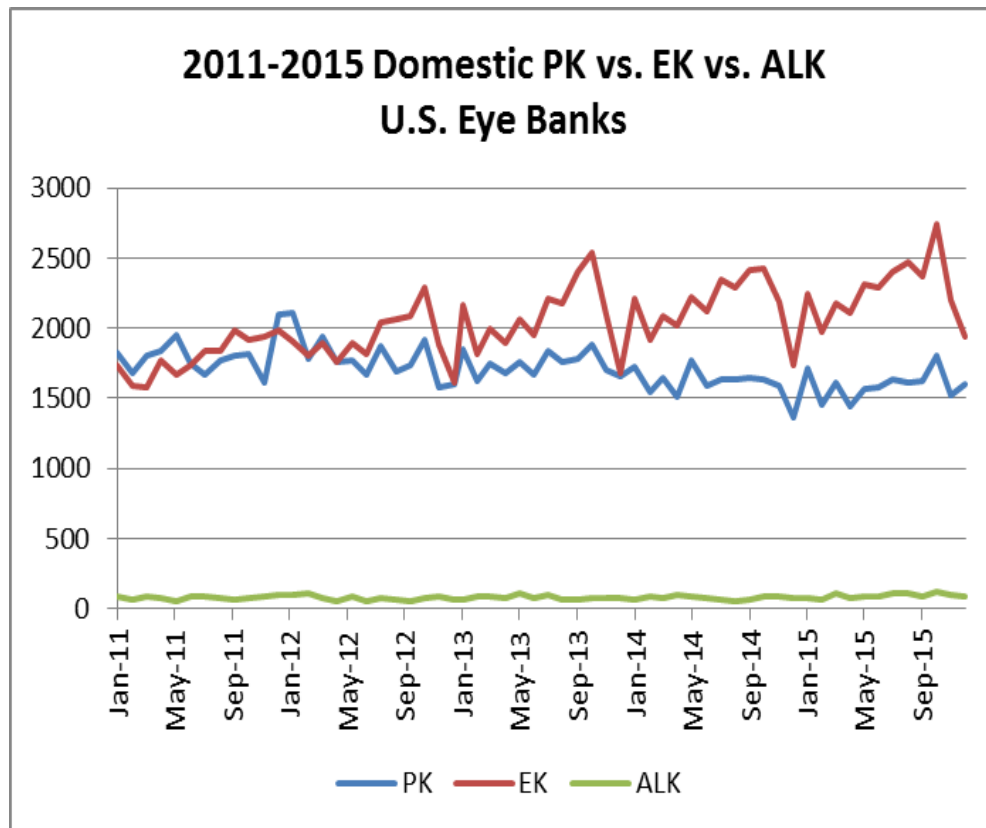
2015 Eye Banking Statistics Reported by U.S. Banks: Domestic Surgery Use of Intermediate-Term Preserved Tissue



2015 Eye Banking Statistics Reported by U.S. Banks: Domestic Surgery Use of Intermediate-Term Preserved Tissue

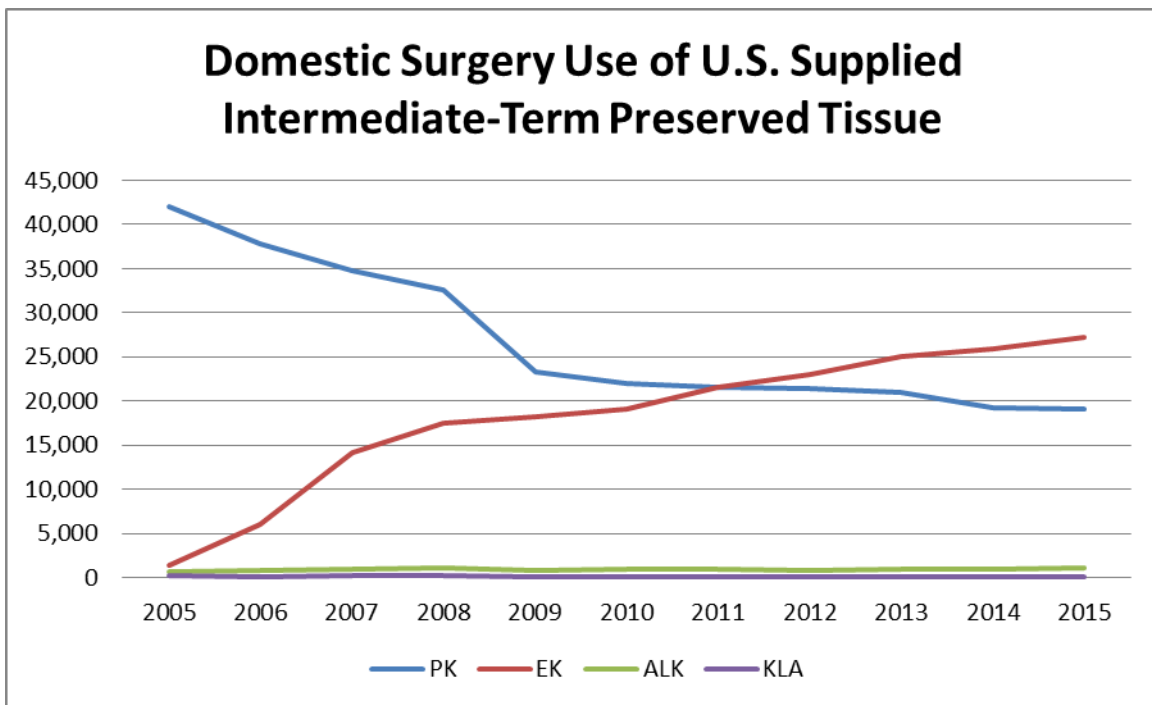


2015 Eye Banking Statistics Reported by U.S. Banks: Domestic Surgery Use of Intermediate-Term Preserved Tissue



**Eye Banking Statistics Reported by U.S. Banks:
Domestic Use of Intermediate-Term Preserved Tissues
Annual Comparison 2005 - 2015**

Domestic Surgery Use	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Penetrating Keratoplasty	42,063	37,776	34,806	32,524	23,269	21,970	21,620	21,422	20,954	19,294	19,160
Endothelial Keratoplasty	1,398	6,027	14,159	17,468	18,221	19,159	21,555	23,049	24,987	25,965	27,208
Anterior Lamellar Keratoplasty	641	806	950	1,072	774	1,041	932	883	951	914	1,115
Keratolimbal Allograft	175	138	207	173	120	130	69	80	91	80	97



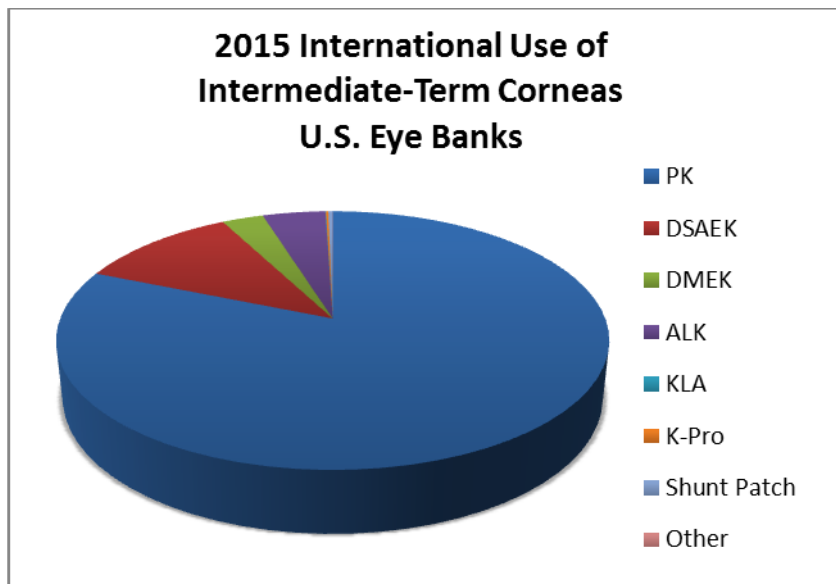
2015 Eye Banking Statistics Reported by U.S. Banks: Domestic Surgery Use of Intermediate-Term Preserved Tissue

U.S. Eye Banks												
Month	PK (Optical, Elective)	PK (Emerg.)	EK (DSEK)	EK (DMEK)	ALK (DALK)	ALK (SALK)	ALK (Other)	KLA	K- Pro	Shunt Patch	Other	Unknown
Jan. 2015	39.3%	1.9%	46.8%	7.4%	1.7%	0.0%	0.1%	0.1%	0.7%	1.6%	0.0%	0.1%
Feb. 2015	39.7%	0.8%	47.0%	7.6%	1.5%	0.0%	0.3%	0.2%	0.7%	0.7%	0.1%	1.3%
Mar. 2015	39.0%	1.1%	45.3%	8.7%	2.4%	0.0%	0.3%	0.2%	0.7%	0.7%	0.1%	1.2%
Apr. 2015	37.5%	0.9%	47.2%	9.0%	1.8%	0.0%	0.1%	0.1%	0.7%	1.2%	0.0%	1.5%
May 2015	37.7%	1.1%	47.7%	9.5%	2.1%	0.1%	0.1%	0.1%	0.7%	0.8%	0.0%	0.1%
Jun. 2015	38.2%	1.0%	46.6%	10.3%	2.0%	0.1%	0.1%	0.2%	0.5%	0.6%	0.0%	0.3%
Jul. 2015	37.6%	0.9%	46.8%	9.9%	2.3%	0.1%	0.1%	0.3%	0.6%	1.2%	0.0%	0.2%
Aug. 2015	36.7%	1.0%	47.3%	10.5%	2.4%	0.0%	0.1%	0.2%	0.7%	0.6%	0.0%	0.4%
Sep. 2015	37.1%	1.5%	46.0%	10.2%	1.9%	0.0%	0.1%	0.2%	0.8%	0.9%	0.0%	1.1%
Oct. 2015	36.6%	1.0%	45.9%	11.2%	2.2%	0.1%	0.1%	0.2%	0.5%	1.2%	0.0%	1.0%
Nov. 2015	37.6%	1.4%	46.0%	10.1%	2.3%	0.0%	0.2%	0.1%	0.6%	0.7%	0.0%	1.0%
Dec. 2015	40.3%	2.1%	40.9%	10.3%	2.1%	0.1%	0.1%	0.4%	0.6%	1.0%	0.0%	2.0%
2011 Avg.	45.7%	1.1%	45.9%	0.7%	1.4%	0.1%	0.5%	0.1%	0.7%	1.2%	0.0%	2.4%
2012 Avg.	45.1%	0.7%	47.8%	1.6%	1.6%	0.1%	0.2%	0.2%	0.5%	1.4%	0.1%	0.7%
2013 Avg.	42.8%	0.6%	48.7%	3.2%	1.8%	0.1%	0.1%	0.2%	0.5%	1.4%	0.0%	0.7%
2014 Avg.	39.7%	0.9%	48.6%	6.0%	1.8%	0.0%	0.1%	0.2%	0.5%	1.5%	0.0%	0.6%
2015 Avg.	38.1%	1.2%	46.1%	9.6%	2.1%	0.1%	0.1%	0.2%	0.7%	0.9%	0.0%	0.9%
Std. Dev.	1.2%	0.4%	1.8%	1.2%	0.3%	0.0%	0.1%	0.1%	0.1%	0.3%	0.0%	0.6%

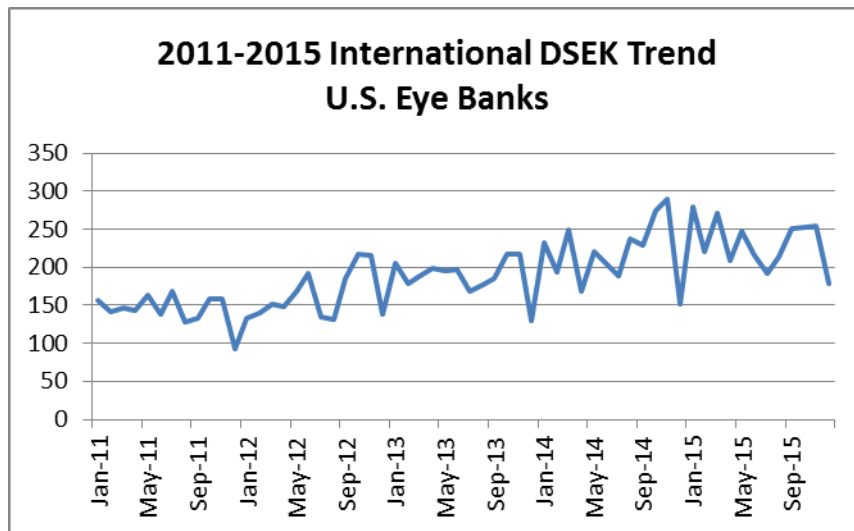
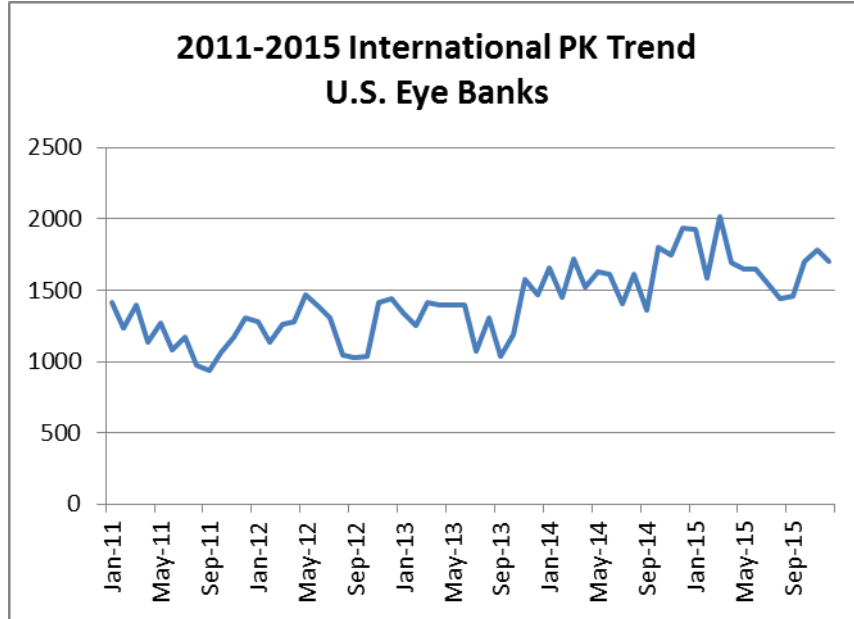
*Percentages read from this table should be read as "of the tissue distributed for transplant use domestically"

2015 Eye Banking Statistics Reported by U.S. Banks: International Surgery Use of Intermediate-Term Preserved Tissue

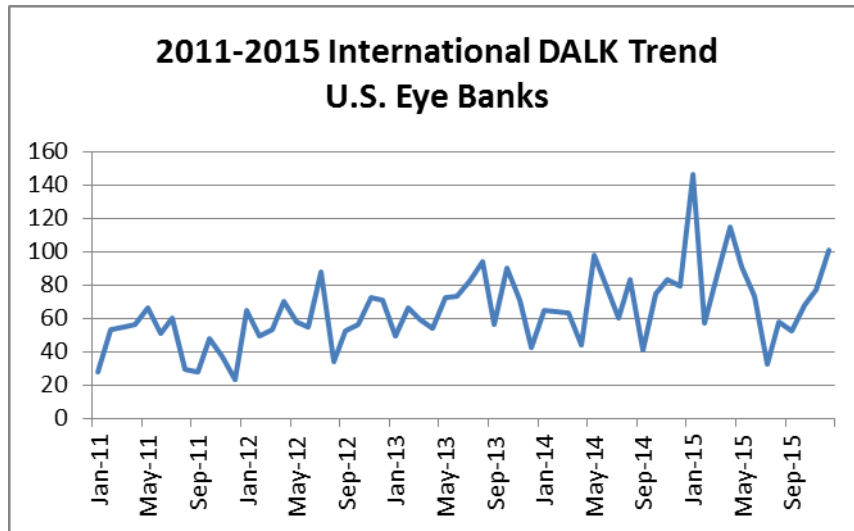
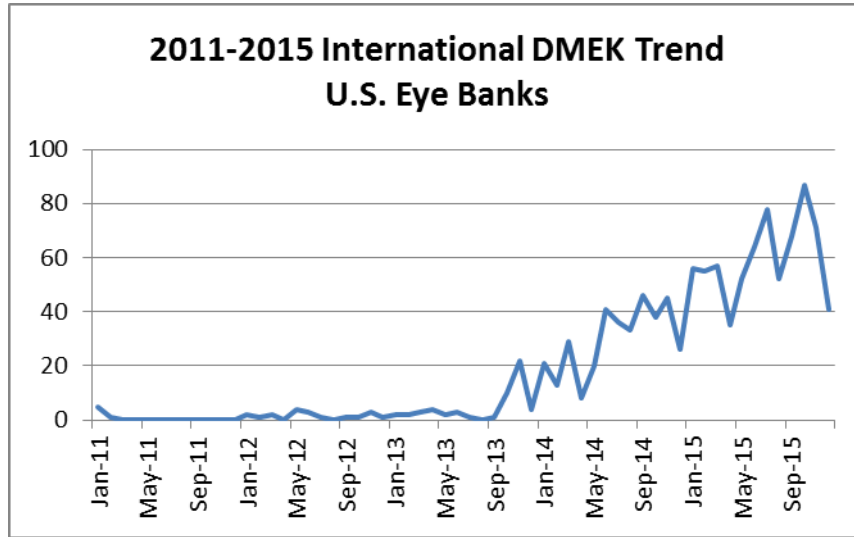
Intermediate-Term Tissue International Distribution of Source Eye Bank Corneas		
	2015	2014
Intermediate-term preserved corneas, corneal segments or whole eyes transplanted internationally for:	25,832	24,483
PK	20,394	19,625
Optical or Elective PK	20,132	19,445
Emergency of Full Thickness	262	180
EK	3,502	2,996
DSEK, DSAEK, DLEK	2,786	2,640
DMEK or DMAEK	716	356
ALK	1,086	1,039
DALK (Deep Anterior Lamellar Keratoplasty)	956	835
SALK (Superficial Anterior Lamellar Keratoplasty)	15	8
Other ALK (e.g. peripheral, eccentric, etc.)	115	196
KLA	10	8
Keratoprosthesis (K-Pro)	41	34
Glaucoma shunt patch or other non-keratoplasty use	69	51
Other Keratoplasty (e.g. experimental surgery type)	7	4
Unknown or Unspecified	723	726
Total intermediate-term preserved corneas, corneal segments, and whole eyes used for KERATOPLASY	74,097	71,258
Total intermediate-term preserved corneas, corneal segments, and whole eyes used for TRANSPLANT	74,623	72,011



2015 Eye Banking Statistics Reported by U.S. Banks: International Surgery Use of Intermediate-Term Preserved Tissue



**2015 Eye Banking Statistics Reported by U.S. Banks:
International Surgery Use of Intermediate-Term Preserved Tissue**



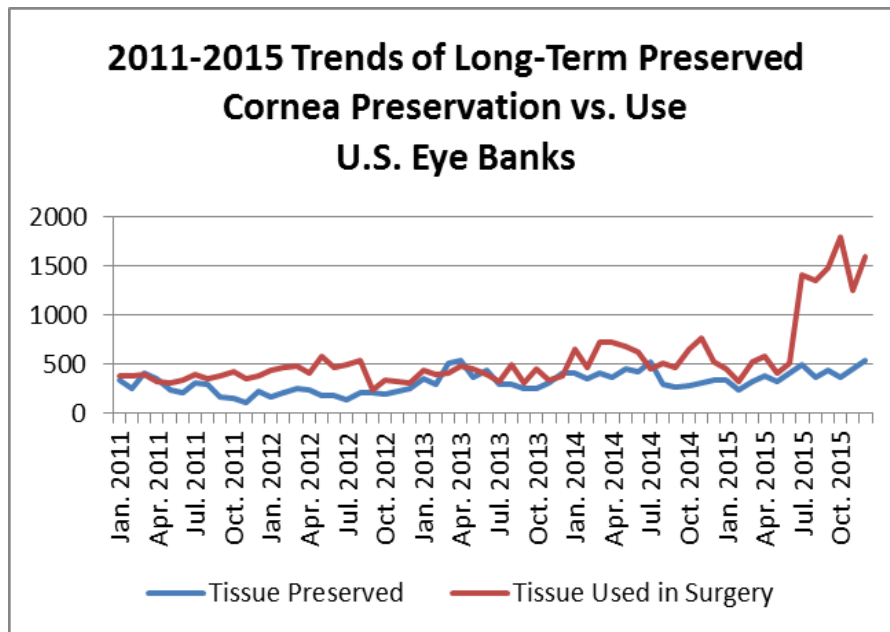
2015 Eye Banking Statistics Reported by U.S. Banks: International Surgery Use of Intermediate-Term Preserved Tissue

International Eye Banks												
Month	PK (Optical, Elective)	PK (Emerg.)	EK (DSEK)	EK (DMEK)	ALK (DALK)	ALK (SALK)	ALK (Other)	KLA	K- Pro	Shunt Patch	Other	Unknown
Jan. 2015	36.4%	3.1%	37.6%	8.3%	8.0%	0.0%	0.0%	0.0%	0.0%	4.6%	0.0%	2.1%
Feb. 2015	43.1%	4.1%	28.5%	10.2%	6.1%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	3.7%
Mar. 2015	48.3%	0.8%	25.4%	11.9%	6.4%	0.0%	0.0%	0.0%	0.4%	6.8%	0.0%	0.0%
Apr. 2015	25.0%	1.7%	34.9%	17.2%	8.2%	0.0%	0.0%	0.0%	0.9%	10.8%	0.0%	1.3%
May 2015	26.2%	2.3%	36.7%	12.5%	8.2%	0.0%	0.0%	2.3%	1.2%	10.2%	0.0%	0.4%
Jun. 2015	34.1%	1.7%	37.1%	10.8%	3.0%	0.0%	0.9%	0.0%	1.3%	6.9%	0.0%	4.3%
Jul. 2015	35.1%	4.4%	25.3%	15.1%	6.7%	0.0%	0.0%	0.0%	0.9%	8.4%	0.0%	4.0%
Aug. 2015	29.6%	2.3%	41.2%	13.4%	3.2%	0.0%	0.0%	0.0%	0.9%	9.3%	0.0%	0.0%
Sep. 2015	26.9%	2.6%	38.4%	11.4%	3.3%	0.0%	0.0%	0.0%	0.0%	10.7%	0.0%	6.6%
Oct. 2015	27.3%	2.4%	40.2%	17.3%	4.4%	0.0%	0.0%	0.4%	0.0%	8.0%	0.0%	0.0%
Nov. 2015	29.5%	4.2%	32.6%	16.3%	4.9%	0.0%	0.0%	0.3%	0.3%	11.5%	0.3%	0.0%
Dec. 2015	36.7%	6.2%	31.1%	10.7%	9.6%	0.0%	0.0%	0.0%	0.6%	5.1%	0.0%	0.0%
2012 Avg.	20.7%	0.2%	21.1%	0.0%	1.1%	0.0%	0.0%	0.0%	1.3%	2.0%	0.0%	8.8%
2013 Avg.	35.3%	1.4%	43.1%	3.0%	4.7%	0.1%	0.1%	0.0%	0.4%	7.4%	0.0%	4.7%
2014 Avg.	36.5%	1.9%	38.2%	7.6%	4.3%	0.0%	0.2%	0.0%	0.6%	9.6%	0.0%	1.1%
2015 Avg.	33.1%	2.9%	34.3%	12.9%	6.0%	0.0%	0.1%	0.3%	0.5%	8.1%	0.0%	1.9%
Std. Dev.	7.2%	1.5%	5.5%	3.0%	2.2%	0.0%	0.2%	0.7%	0.5%	2.5%	0.1%	2.3%

*Percentages read from this table should be read as "of the tissue distributed for transplant use domestically"

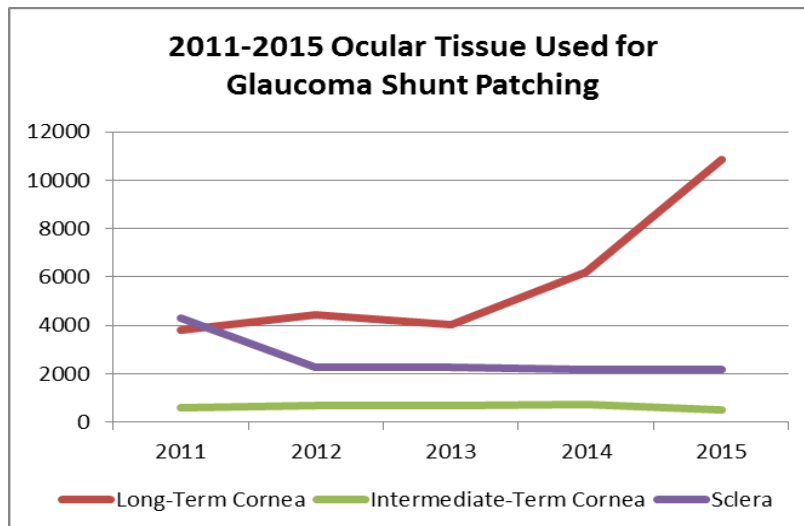
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Long-Term Preserved Tissue Distribution

Long-Term Preserved Tissue Preservation and Distribution		
	2015	2014
Long-term preserved corneas or whole globes PRESERVED for transplant	4,681	4,420
Long-term preserved corneas, corneal segments, or whole globes DISTRIBUTED for:	11,672	7,223
Keratoplasty	737	938
Glaucoma Shunt patching	10,843	6,212
Other Surgical Uses	92	73
Long-term preserved corneas, corneal segments, or whole globes FORWARDED to another entity for final distribution	705	1,841
Sclera or sclera segments PRESERVED for transplantation	3,362	4,810
Sclera or sclera segments DISTRIBUTED for:	3,225	3,345
Prosthesis following enucleation	822	939
Glaucoma shunt patching	2,175	2,199
Other surgical uses	228	207
Sclera or sclera segments FORWARDED to another entity for final distribution	361	845

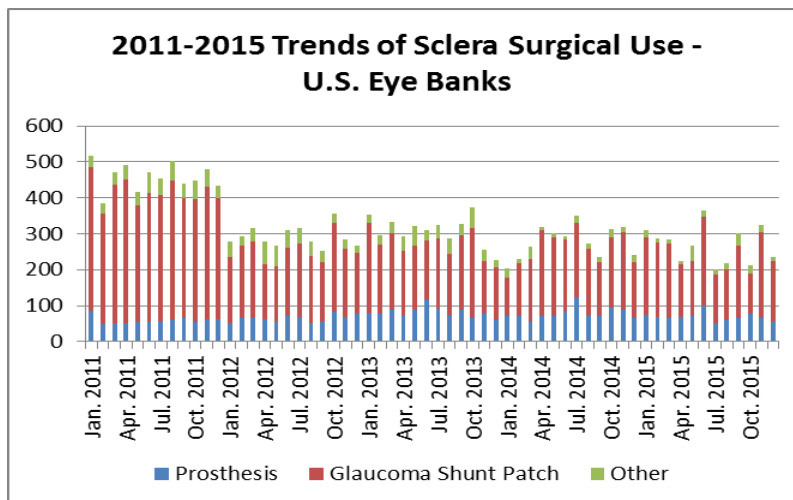
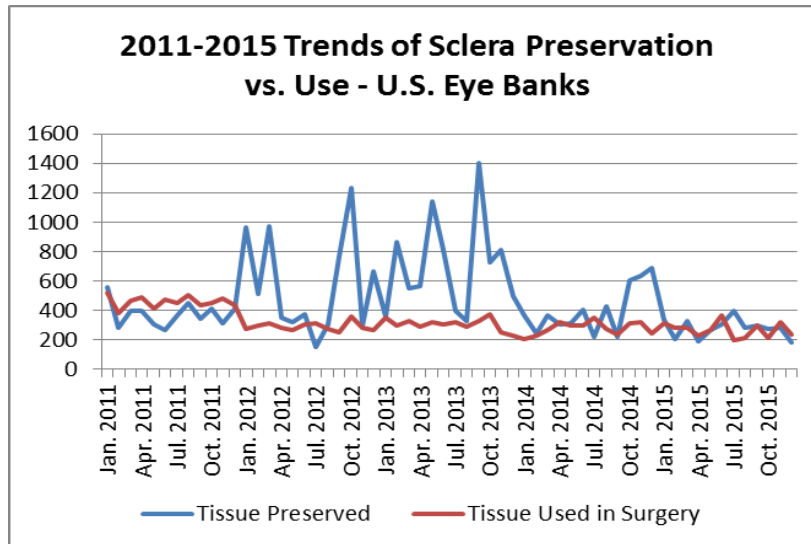
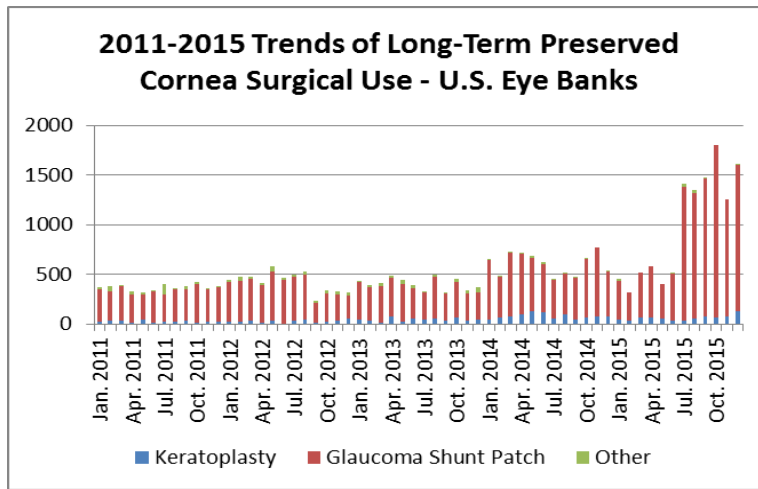


2015 Eye Banking Statistics Reported by U.S. Banks: Long-Term Preserved Tissue Distribution

U.S. Eye Banks								
Month	Long-Term Preserved Corneas	Long-Term Cornea Use - Keratoplasty	Long-Term Cornea Use - Glaucoma	Long-Term Cornea Use - Other	Scleral Segments Preserved	Sclera Use - Prosthesis	Sclera Use - Glaucoma	Sclera Use - Other
Jan. 2015	333	47	389	20	335	73	217	20
Feb. 2015	241	32	286	0	203	68	208	10
Mar. 2015	321	69	448	0	330	67	207	11
Apr. 2015	380	69	512	0	193	68	148	9
May 2015	317	51	350	0	268	71	154	43
Jun. 2015	415	37	469	1	306	99	249	17
Jul. 2015	497	34	1349	29	401	52	135	14
Aug. 2015	368	54	1261	30	286	60	141	16
Sep. 2015	436	79	1389	11	297	66	200	34
Oct. 2015	370	64	1736	0	278	76	112	23
Nov. 2015	463	77	1179	0	283	65	238	20
Dec. 2015	540	124	1475	1	182	57	166	11
2011 Total	3017	276	3802	331	4489	714	4285	508
2012 Total	2454	305	4435	355	6913	777	2260	460
2013 Total	4294	499	4040	301	8452	978	2293	422
2014 Total	4420	938	6212	73	4810	939	2199	207
2015 Total	4681	737	10843	92	3362	822	2175	228
2015 Avg.	390	61	904	8	280	69	181	19
Std. Dev.	85	26	536	12	64	12	44	10

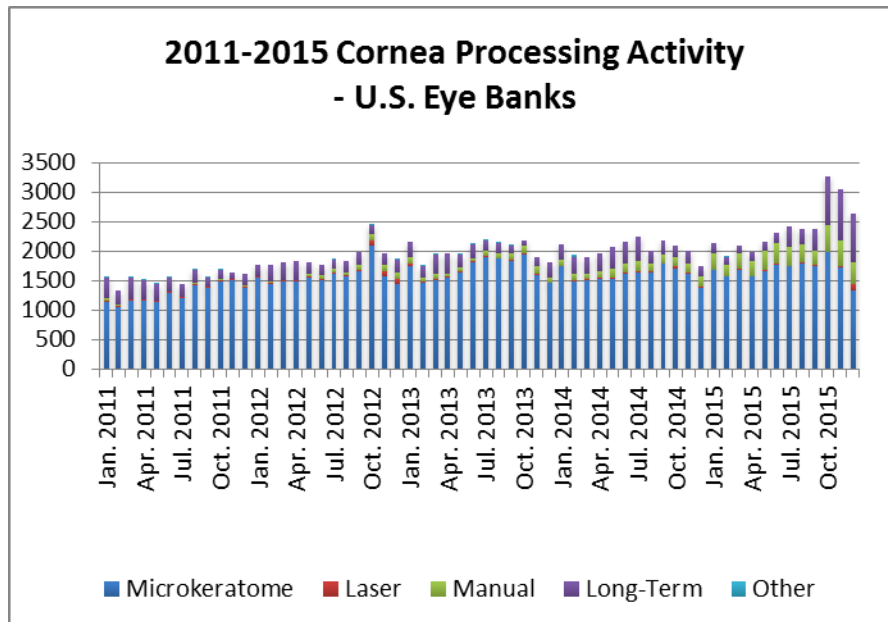


2015 Eye Banking Statistics Reported by U.S. Banks: Long-Term Preserved Tissue Distribution






2015 Eye Banking Statistics Reported by U.S. Banks: Tissue Processing for Transplant

Tissue Processing for Transplant		
	2015	2014
Eye Processing (does not include in situ excision)	2,437	2,908
Processed for corneal preservation only	318	502
Processed for sclera preservation	1,562	1,731
Processed for other ocular materials	557	675
Cornea Processing	28,660	24,347
Processed by microkeratome	20,193	19,124
Processed by laser	262	232
Processed by hand dissection	3,759	1,649
Processed by transfer into long-term preservation	4,440	3,304
Processed by other methods	6	38

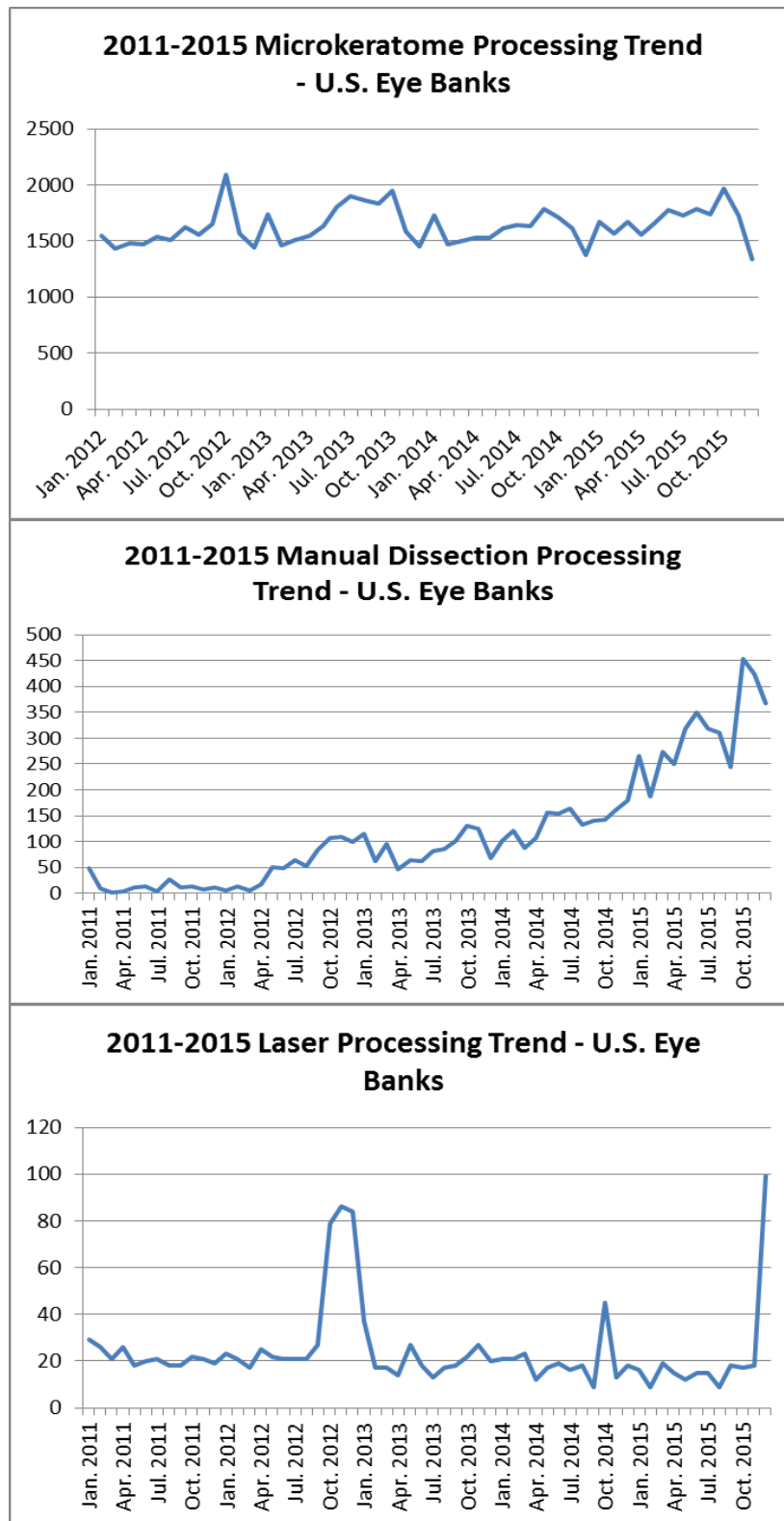


2015 Eye Banking Statistics Reported by U.S. Banks: Tissue Processing for Transplant

U.S. Eye Banks					
Month	Processing - Microkeratome	Processing - Laser	Processing - Manual	Processing - Long-Term Preservation	Processing - Other
Jan. 2015	1669	16	266	183	0
Feb. 2015	1567	9	187	135	6
Mar. 2015	1675	19	273	129	0
Apr. 2015	1560	15	249	148	0
May 2015	1663	12	318	167	0
Jun. 2015	1773	15	350	169	0
Jul. 2015	1731	15	318	360	0
Aug. 2015	1787	9	310	265	0
Sep. 2015	1735	18	244	371	0
Oct. 2015	1971	17	453	816	0
Nov. 2015	1729	18	424	874	0
Dec. 2015	1333	99	367	823	0
2011 Total					
	15227	259	164	2790	15
2012 Total					
	18900	447	658	2583	11
2013 Total					
	20267	247	1037	2582	35
2014 Total					
	19124	232	1649	3304	38
2015 Total					
	20193	262	3759	4440	6
2015 Avg.					
	1683	22	313	370	1
Std. Dev.					
	154	25	77	294	2

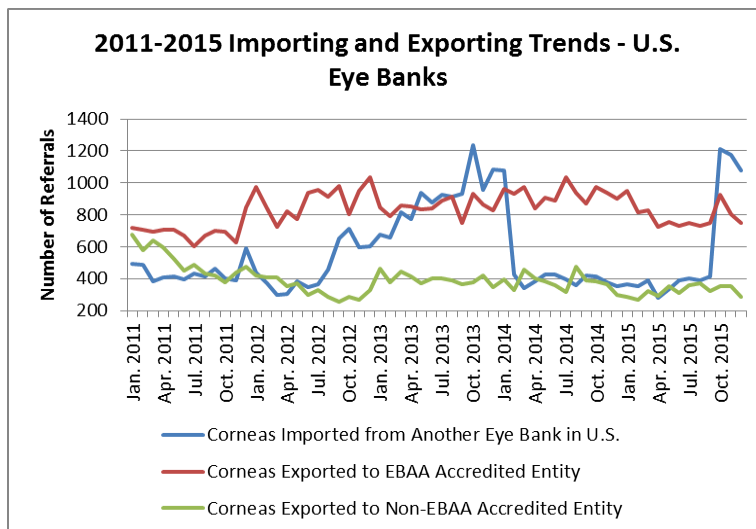
	2011	2012	2013	2014	2015	Trends
Processing Events	18455	22599	24168	24347	28660	
Failed Processing	431	621	726	828	1016	
Failure Rate	2.3%	2.7%	3.0%	3.4%	3.5%	

2015 Eye Banking Statistics Reported by U.S. Banks: Tissue Processing for Transplant



2015 Eye Banking Statistics Reported by U.S. Banks: Forwarded Tissue

U.S. Eye Banks			
Month	Imported Tissue	Exported Tissue (to EBAA Accred.)	Exported Tissue (to non-EBAA Accred.)
Jan. 2015	364	951	283
Feb. 2015	353	818	268
Mar. 2015	392	828	325
Apr. 2015	281	724	292
May 2015	334	753	350
Jun. 2015	390	731	311
Jul. 2015	399	746	356
Aug. 2015	391	730	372
Sep. 2015	414	750	320
Oct. 2015	1211	925	352
Nov. 2015	1175	802	351
Dec. 2015	1076	749	287
2011 Total			
	5265	8330	6092
2012 Total			
	5523	10715	4003
2013 Total			
	10777	10189	4764
2014 Total			
	5386	11158	4543
2015 Total			
	6780	9507	3867
2015 Avg.			
	565	792	322
Std. Dev.			
	358	77	34

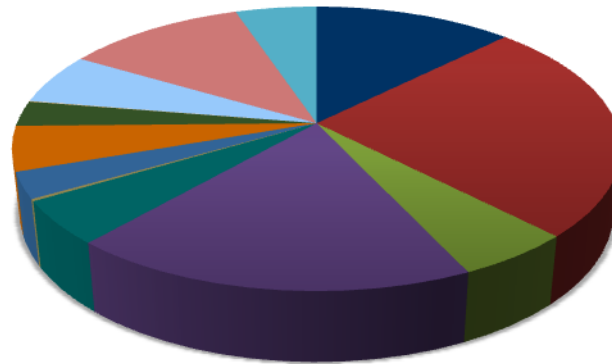


2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Indications for Corneal Transplant Reported by U.S. Banks

Indications for Penetrating Keratoplasty	2015		2014	
A. Post-cataract surgery edema	2,905	7.3%	3,378	8.7%
B. Keratoconus	5,835	14.8%	6,224	16.0%
C. Fuchs' Dystrophy	1,235	3.1%	1,196	3.1%
D. Repeat Corneal Transplant	4,267	10.8%	4,399	11.3%
E. Other degenerations or dystrophies	1,148	2.9%	1,209	3.1%
F. Post-refractive surgery	55	0.1%	74	0.2%
G. Microbial changes	689	1.7%	800	2.1%
H. Mechanical or chemical trauma	1,180	3.0%	1,139	2.9%
I. Congenital opacities	672	1.7%	816	2.1%
J. Pterygium	15	0.0%	12	0.0%
K. Non-infectious ulcerative keratitis or perforation	1,357	3.4%	1,197	3.1%
L. Other causes of corneal dysfunction or distortion (non-endothelial)	2,633	6.7%	2,814	7.2%
M. Other causes of endothelial dysfunction	1,189	3.0%	1,423	3.7%
Z. Unknown, unreported, or unspecified	16,373	41.4%	14,238	36.6%
Total Indications for Penetrating Keratoplasty	39,554		38,919	
Indications for Anterior Lamellar Keratoplasty	2015		2014	
B. Keratoconus	844	38.3%	757	38.8%
D. Repeat Corneal Transplant	50	2.3%	27	1.4%
E. Other degenerations or dystrophies	89	4.0%	107	5.5%
F. Post-refractive surgery	17	0.8%	8	0.4%
G. Microbial changes	56	2.5%	32	1.6%
H. Mechanical or chemical trauma	53	2.4%	47	2.4%
I. Congenital opacities	41	1.9%	27	1.4%
J. Pterygium	5	0.2%	6	0.3%
K. Non-infectious ulcerative keratitis or perforation	82	3.7%	51	2.6%
L. Other causes of corneal dysfunction or distortion	171	7.8%	140	7.2%
Z. Unknown, unreported, or unspecified	793	36.0%	751	38.5%
Total for Anterior Keratoplasty	2,201		1,953	
Indications for Endothelial Keratoplasty	2015		2014	
A. Post-Cataract Surgery Edema	5,385	17.5%	5,151	17.8%
C. Fuchs' Dystrophy	14,472	47.1%	13,817	47.7%
D. Repeat Corneal Transplant	2,613	8.5%	2,385	8.2%
M. Other Causes of Endothelial Dysfunction	3,208	10.4%	3,099	10.7%
Z. Unknown, unreported, or unspecified	5,032	16.4%	4,509	15.6%
Total for Endothelial Keratoplasty	30,710		28,961	

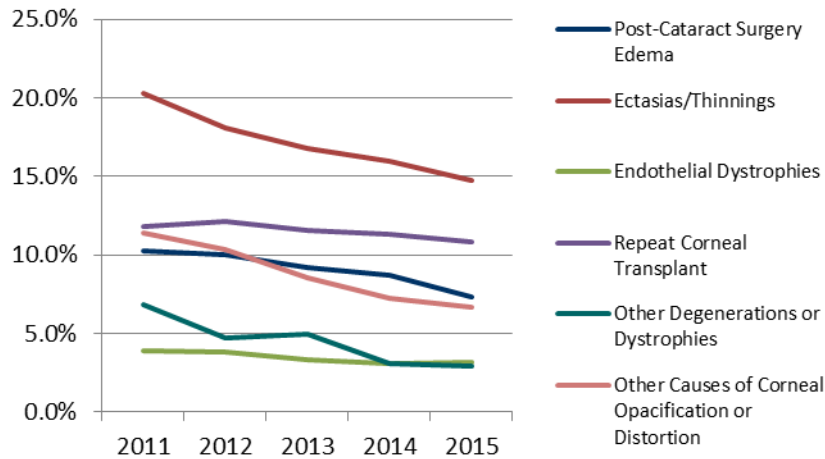
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Indications for Corneal Transplant Reported by U.S. Banks

2015 Known Indications for Penetrating Keratoplasty - U.S. Eye Banks



- Post-Cataract Surgery Edema
- Ectasias/Thinnings
- Endothelial Dystrophies
- Repeat Corneal Transplant
- Other Degeneration or Dystrophies
- Refractive
- Microbial Keratitis
- Mechanical (Non-Surgical) or Chemical Trauma
- Congenital Opacities
- Pterygium
- Non-infectious Ulcerative Keratitis, Thinning, or Perforation
- Other Causes of Corneal Opacification or Distortion
- Other Causes of Endothelial Dysfunction

2011-2015 Trends in Common PK Surgical Indications - U.S. Eye Banks



2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Indications for Corneal Transplant Reported by U.S. Banks

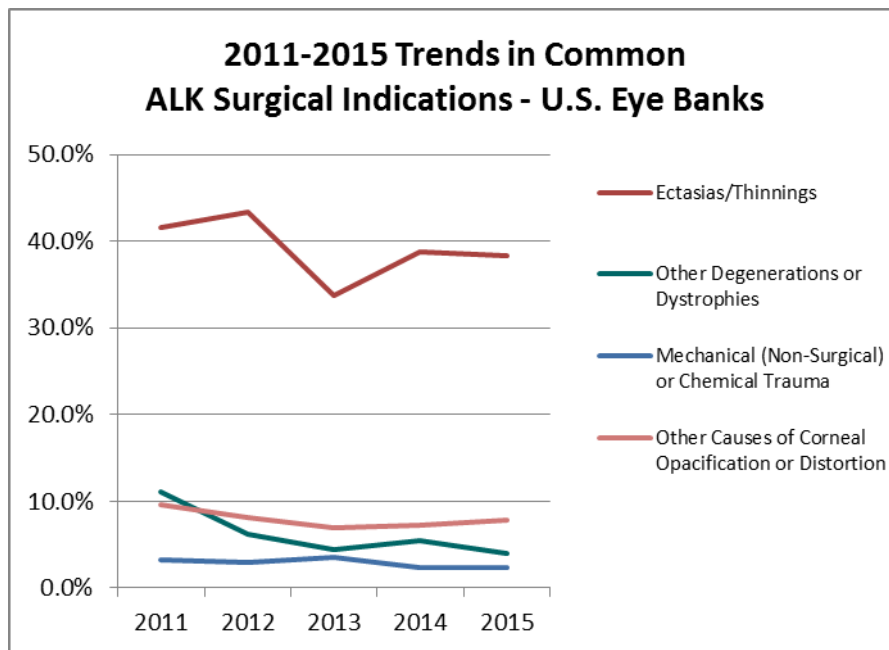
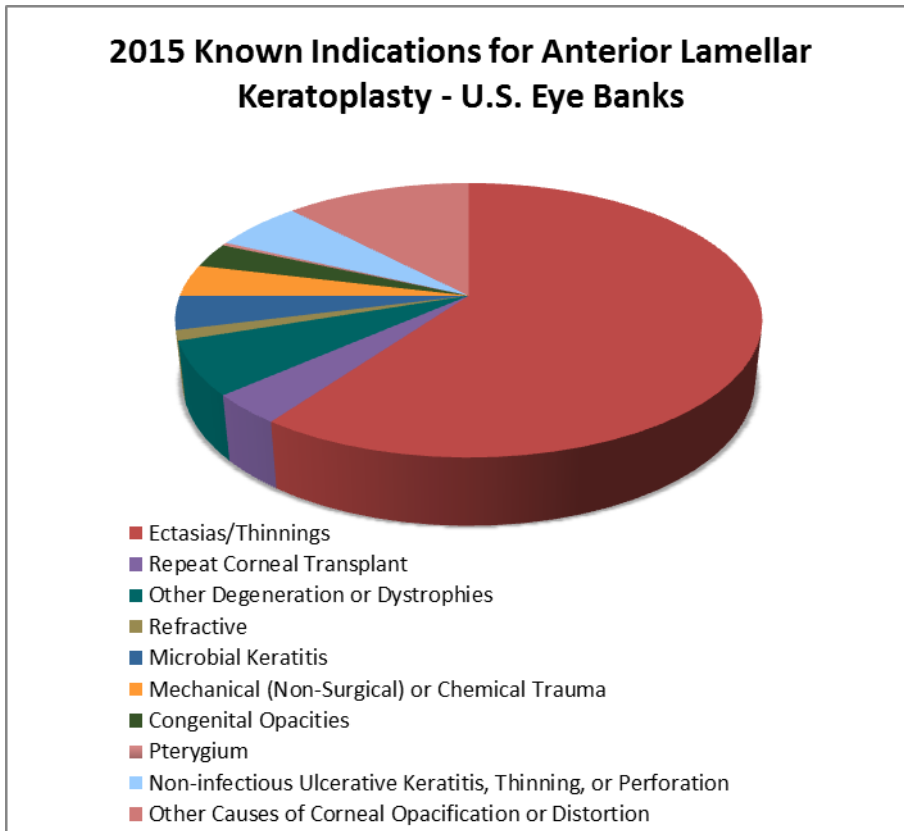
Indications for Penetrating Keratoplasty - U.S. Eye Banks														
Year	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
2011 Avg.	10.3%	20.3%	3.9%	11.8%	6.8%	0.3%	2.3%	2.7%	1.6%	0.1%	2.9%	11.4%	2.9%	22.8%
2012 Avg.	10.0%	18.1%	3.8%	12.1%	4.7%	0.2%	2.5%	3.5%	1.8%	0.0%	3.3%	10.3%	3.1%	26.6%
2013 Avg.	9.2%	16.8%	3.3%	11.5%	4.9%	0.3%	2.1%	3.0%	1.9%	0.0%	2.9%	8.5%	3.3%	32.2%
2014 Avg.	8.7%	16.0%	3.1%	11.3%	3.1%	0.2%	2.1%	2.9%	2.1%	0.0%	3.1%	7.2%	3.7%	36.6%
2015 Avg.	7.3%	14.8%	3.1%	10.8%	2.9%	0.1%	1.7%	3.0%	1.7%	0.0%	3.4%	6.7%	3.0%	41.4%
Std. Dev.	0.9%	1.3%	0.9%	0.9%	0.4%	0.1%	0.3%	0.3%	0.3%	0.0%	0.4%	1.1%	0.7%	3.9%

*Percentages read from this table should be read as "of the tissue used for PK"

Indications for Anterior Lamellar Keratoplasty - U.S. Eye Banks														
Year	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
2011 Avg.		41.6%		2.6%	11.1%	0.7%	1.2%	3.3%	1.4%	0.3%	3.8%	9.6%		24.4%
2012 Avg.		43.4%		1.6%	6.2%	0.3%	1.9%	3.0%	1.5%	0.2%	4.2%	8.1%		29.6%
2013 Avg.		33.8%		1.9%	4.4%	0.6%	2.5%	3.5%	1.8%	0.2%	2.8%	6.9%		41.4%
2014 Avg.		38.8%		1.4%	5.5%	0.4%	1.6%	2.4%	1.4%	0.3%	2.6%	7.2%		38.5%
2015 Avg.		38.3%		2.3%	4.0%	0.8%	2.5%	2.4%	1.9%	0.2%	3.7%	7.8%		36.0%
Std. Dev.		4.6%		1.1%	1.5%	0.8%	1.9%	1.6%	1.1%	0.4%	2.1%	2.3%		8.6%

*Percentages read from this table should be read as "of the tissue used for ALK"

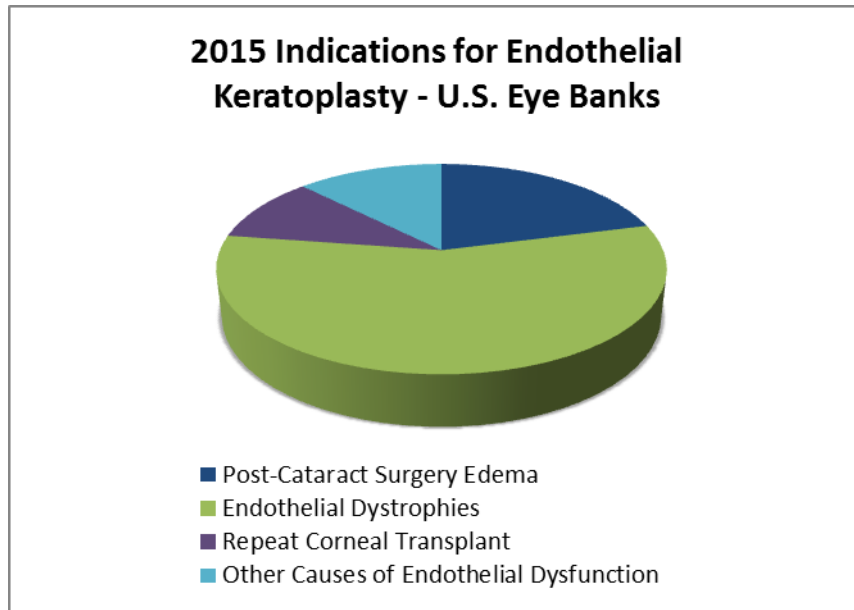
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Indications for Corneal Transplant Reported by U.S. Banks



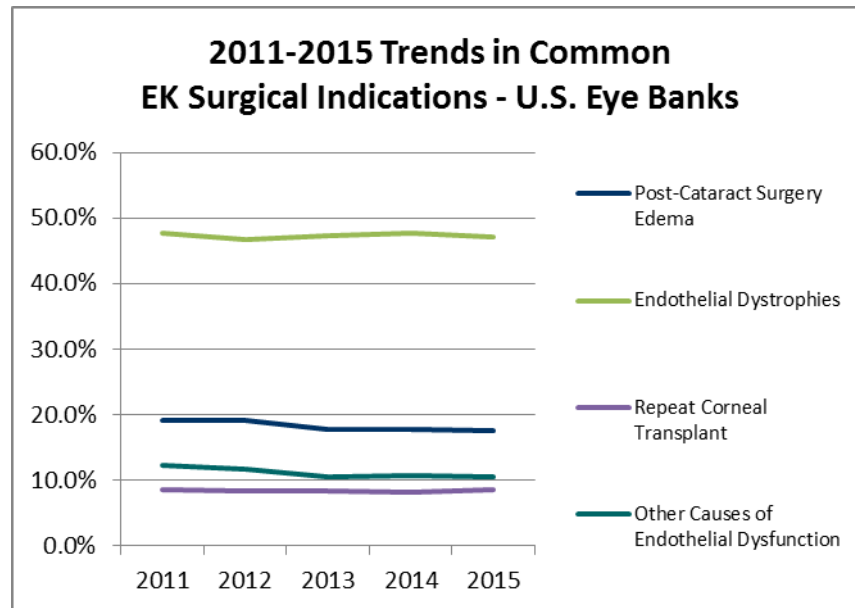
2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Indications for Corneal Transplant Reported by U.S. Banks

Indications for Endothelial Keratoplasty - U.S. Eye Banks														
Year	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
2011														
Avg.	19.2%		47.7%	8.5%									12.3%	12.4%
2012														
Avg.	19.1%		46.8%	8.3%									11.6%	14.2%
2013														
Avg.	17.8%		47.3%	8.4%									10.6%	15.9%
2014														
Avg.	17.8%		47.7%	8.2%									10.7%	15.6%
2015														
Avg.	17.5%		47.1%	8.5%									10.4%	16.4%
Std. Dev.	0.9%		1.8%	0.5%									1.4%	2.3%

*Percentages read from this table should be read as "of the tissue used for EK"

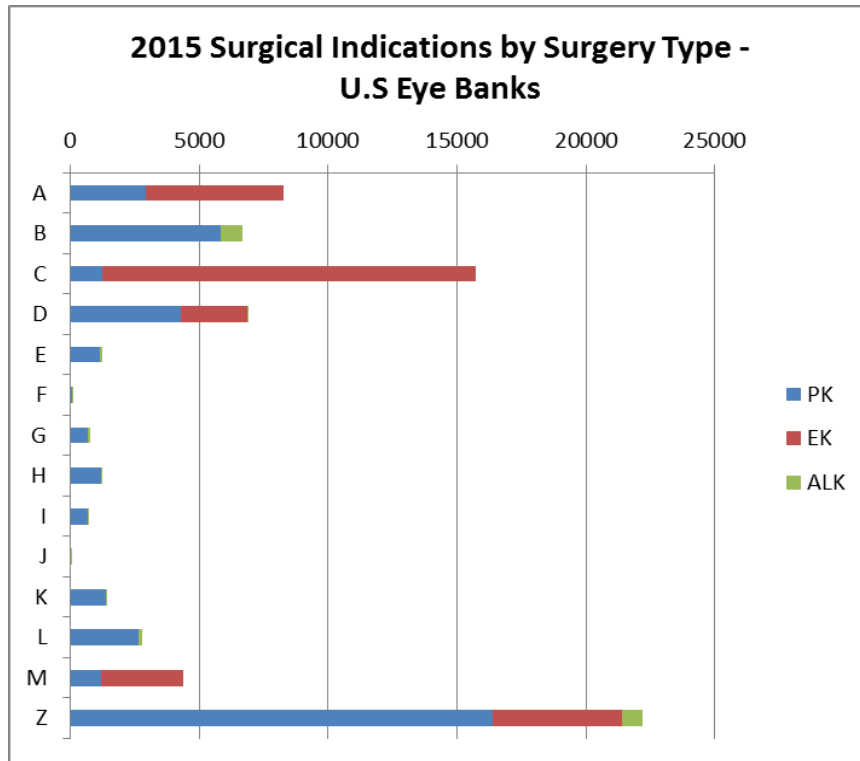


2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Indications for Corneal Transplant Reported by U.S. Banks



2015 U.S. Eye Banking Statistics Reported by U.S. Banks: Indications for Corneal Transplant Reported by U.S. Banks

Surgical Indications for Keratoplasty - U.S. Eye Banks														
	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
PK	2905	5836	1235	4267	1148	55	689	1180	672	15	1357	2633	1189	16373
EK	5385		#####	2613									3208	5032
ALK		844		50	89	17	56	53	41	5	82	171		793



- A - Post-Cataract Surgery Edema
- B - Ectasias/Thinnings
- C - Endothelial Dystrophies
- D - Repeat Corneal Transplant
- E - Other Degeneration or Dystrophies
- F - Refractive
- G - Microbial Keratitis
- H - Mechanical (Non-Surgical) or Chemical Trauma
- I - Congenital Opacities
- J - Pterygium
- K - Non-infectious Ulcerative Keratitis, Thinning, or Perforation
- L - Other Causes of Corneal Opacification or Distortion
- M - Other Causes of Endothelial Dysfunction
- Z - Unknown or Unreported

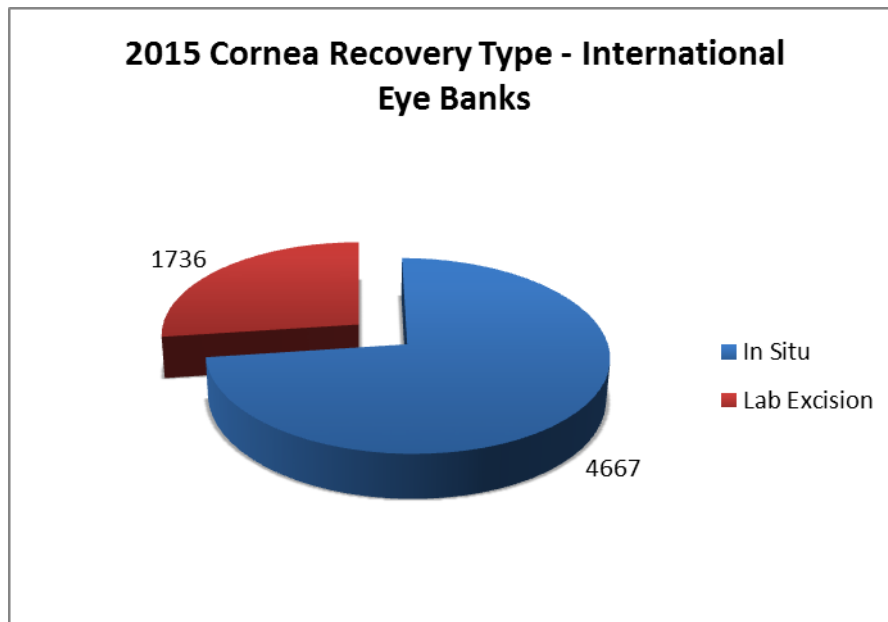
2015
Eye Banking Statistics
From EBAA
International Members

2015 International Eye Banking Statistics Donations and Tissue Recoveries

Donations	2015	2014	2013	2012	2011
Number of Eye Banks Reporting	10	10	10	8	9
Total Whole Eyes and Corneas Donated	6,846	6,769	6,482	6,330	12,851
Total Number of Donors	3,466	3,398	3,305	3,177	6,433

Death Referrals	2015	2014	2013
Total Death Referrals	38,418	24,284	21,516 ¹
Death referrals Determined Eligible	9,651	5,121	4,314 ¹
Tissue Recoveries			
Total Donors	3,466	3,398	3,305
Donors recovered not found on donor registry or known to have first person consent	3,342	3,302	3,188
Donors recovered found on donor registry or known to have first person consent	124	96	117
Eyes or Corneas Recovered with Intent for Surgical Use	6,403	5,726	5,427
Eyes or Corneas Recovered for Other Uses	443	1,043	1,055

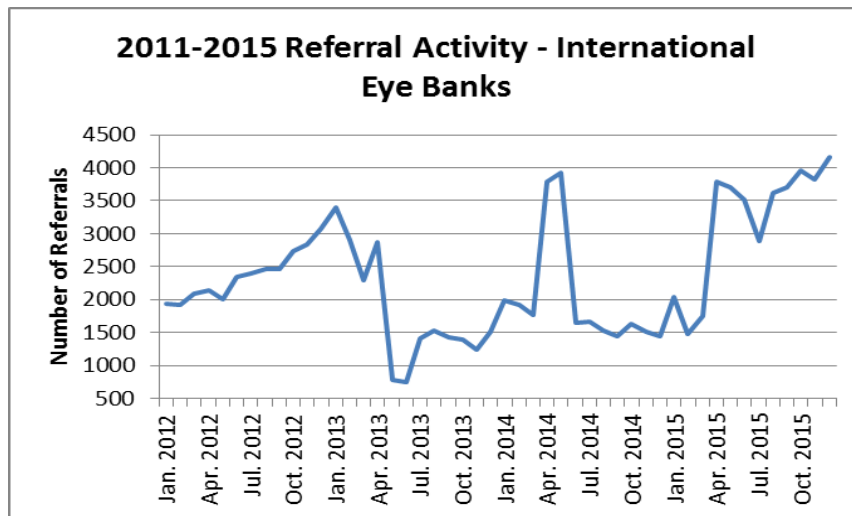
¹Excludes Death Referral data from the Eye Bank of Canada, Ontario Division



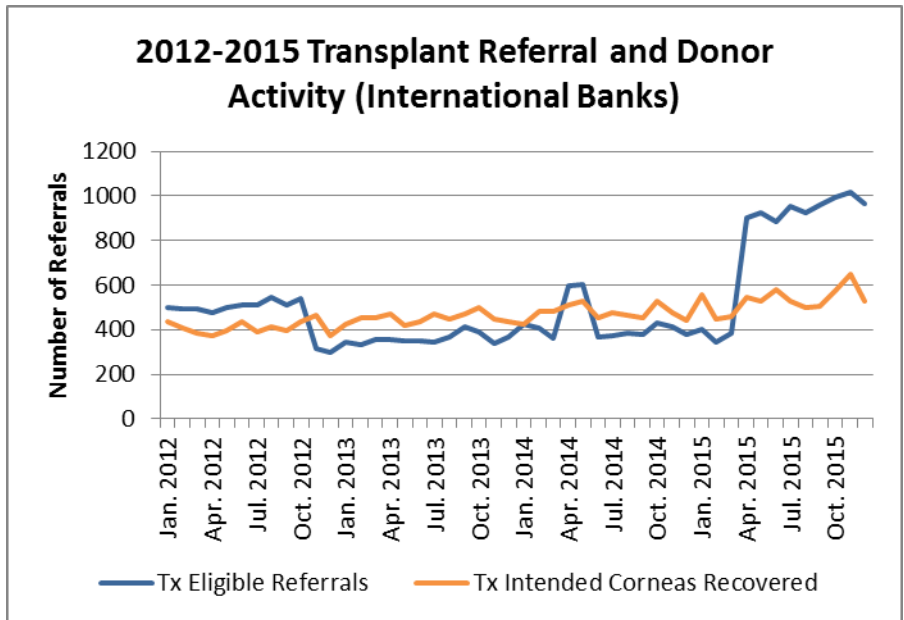
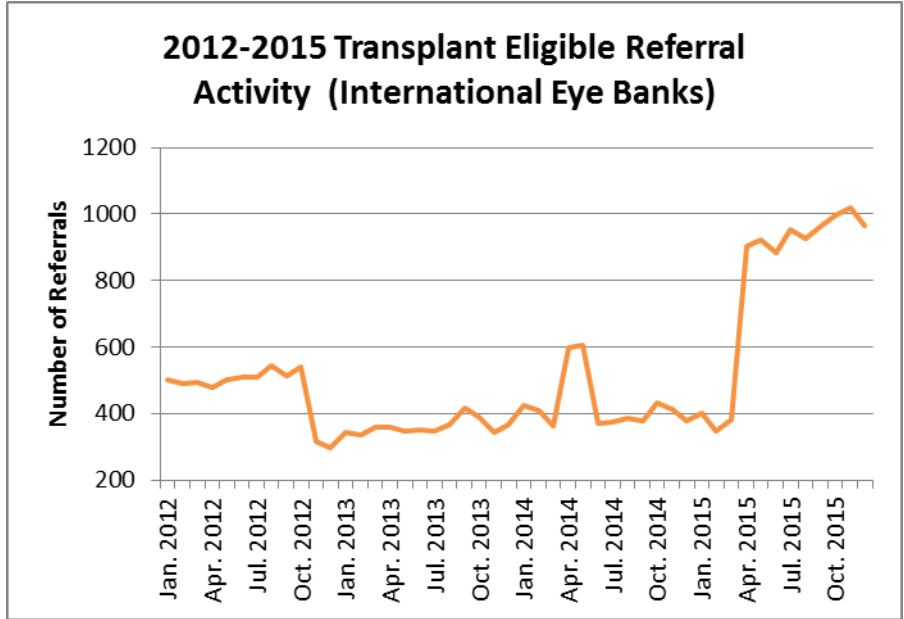
2015 International Eye Banking Statistics Referral Trends, Transplant and Conversion Rates

Month	Transplant Rate	Conversion Rate	Death Referrals	Transplant Eligible Referrals	Transplant Intended Corneas Recovered
Jan. 2015	65.5%	69.9%	2035	402	559
Feb. 2015	66.0%	65.3%	1472	346	450
Mar. 2015	64.4%	60.0%	1752	383	458
Apr. 2015	59.1%	30.4%	3782	902	548
May 2015	64.6%	28.7%	3708	923	528
Jun. 2015	52.3%	33.0%	3511	883	579
Jul. 2015	64.1%	28.6%	2888	953	527
Aug. 2015	55.9%	28.0%	3615	925	499
Sep. 2015	63.8%	26.5%	3711	959	505
Oct. 2015	55.5%	29.1%	3961	994	573
Nov. 2015	53.1%	32.9%	3814	1017	651
Dec. 2015	52.9%	27.6%	4169	964	526
2012 Total	64.7%	43.3%	28391	5695	4910
2013 Total	64.8%	64.1%	21516	4314	5427
2014 Total	66.9%	56.1%	24284	5121	5726
2015 Total	59.5%	33.6%	38418	9651	6403
2015 Avg.	N/A	N/A	3202	804	534
Std. Dev.	5.5%	16.4%	932	261	55

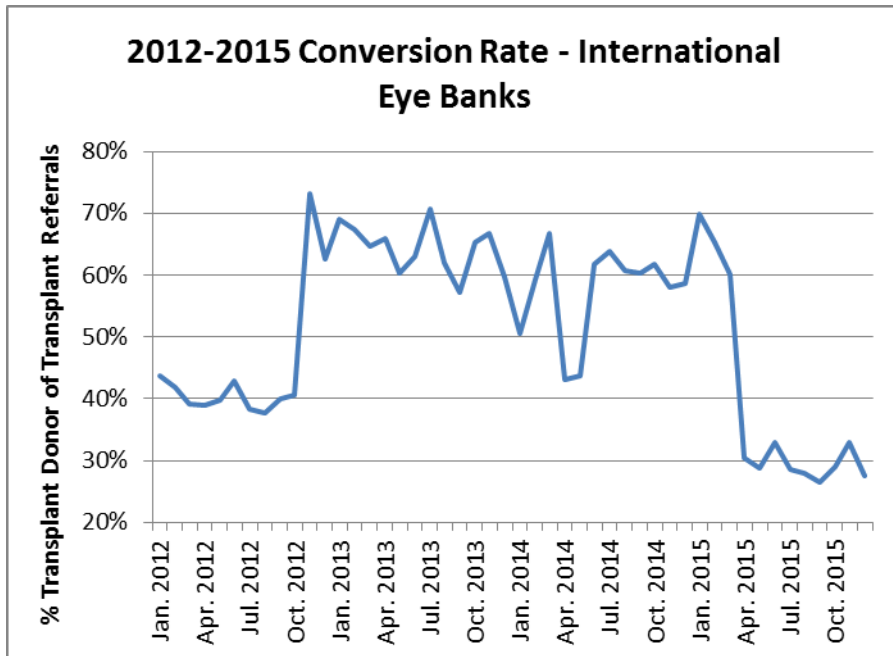
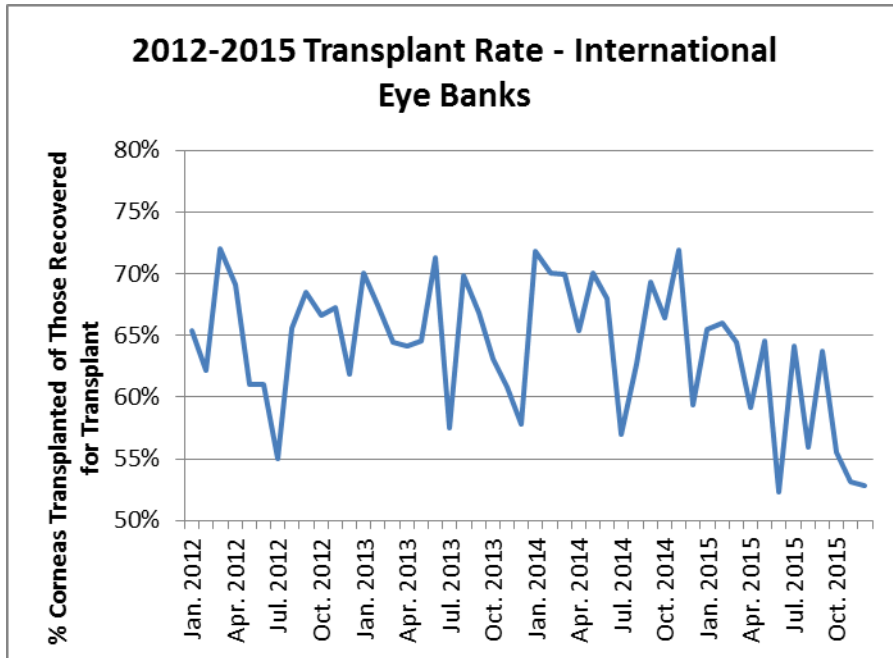
*Transplant rate is the number of corneas used for transplant divided by the number recovered for transplant.
Conversion rate is the number of transplant donors divided by the number of transplant eligible referrals.



2015 International Eye Banking Statistics Referral Trends, Transplant and Conversion Rates

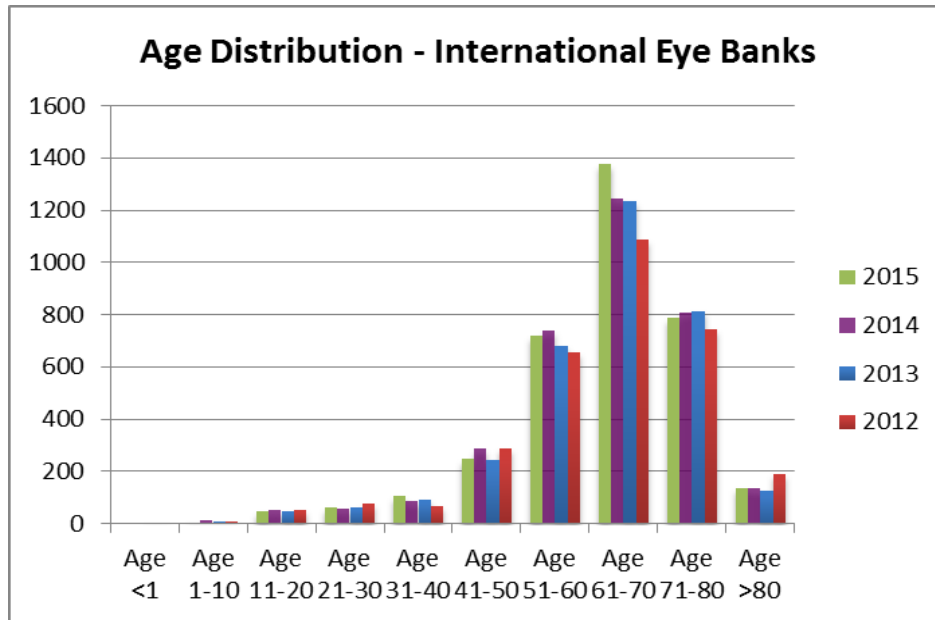


2015 International Eye Banking Statistics Transplant and Conversion Rates



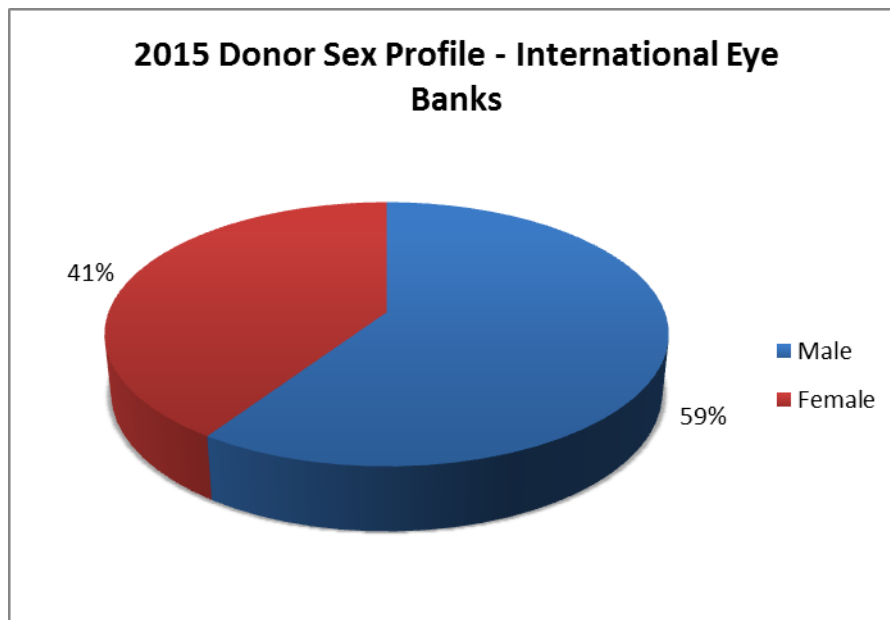
2015 International Eye Banking Statistics Donor Profiles: Age

Year	Age <1	Age 1-10	Age 11-20	Age 21-30	Age 31-40	Age 41-50	Age 51-60	Age 61-70	Age 71-80	Age >80
2012	0	9	54	78	69	289	654	1088	745	191
2013	0	7	46	61	92	245	680	1235	814	125
2014	0	11	50	55	83	284	736	1242	805	132
2015	0	8	45	59	104	244	715	1372	784	135
Monthly Avg.	0	1	4	5	9	20	60	114	65	11
Std. Dev.	0.0	1.0	1.8	2.3	2.3	3.5	9.8	15.5	9.1	4.0



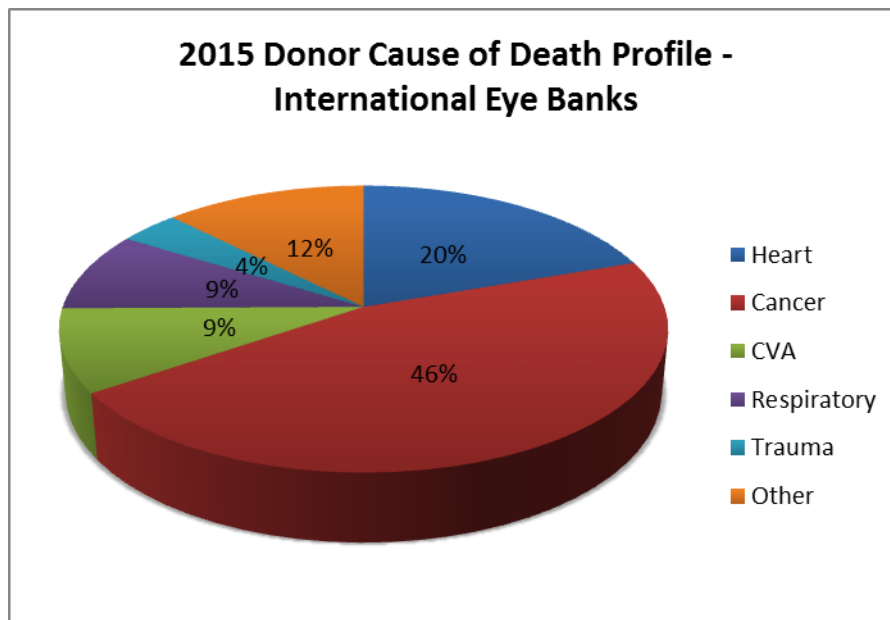
2015 International Eye Banking Statistics Donor Profiles: Gender and Cause of Death

International Eye Banks - Sex Profile		
Year	Male	Female
2012	1870	1307
2013	1924	1381
2014	2009	1389
2015	2058	1408
Monthly Avg.		
	172	117
Std. Dev.		
	18.1	12.0



2015 International Eye Banking Statistics Donor Profiles: Cause of Death

International Eye Banks - Cause of Death Profile						
Year	Heart	Cancer	CVA	Respiratory	Trauma	Other
2012 Total	657	1191	318	320	180	511
2013 Total	662	1339	334	332	176	462
2014 Total	671	1453	327	338	154	455
2015 Total	681	1588	325	310	130	432
Monthly Avg.	57	132	27	26	11	36
Std. Dev.	8.6	12.5	6.9	3.6	5.2	4.5



2015 International Eye Banking Statistics Reasons Tissue Intended for Surgery Was Not Suitable For Transplant

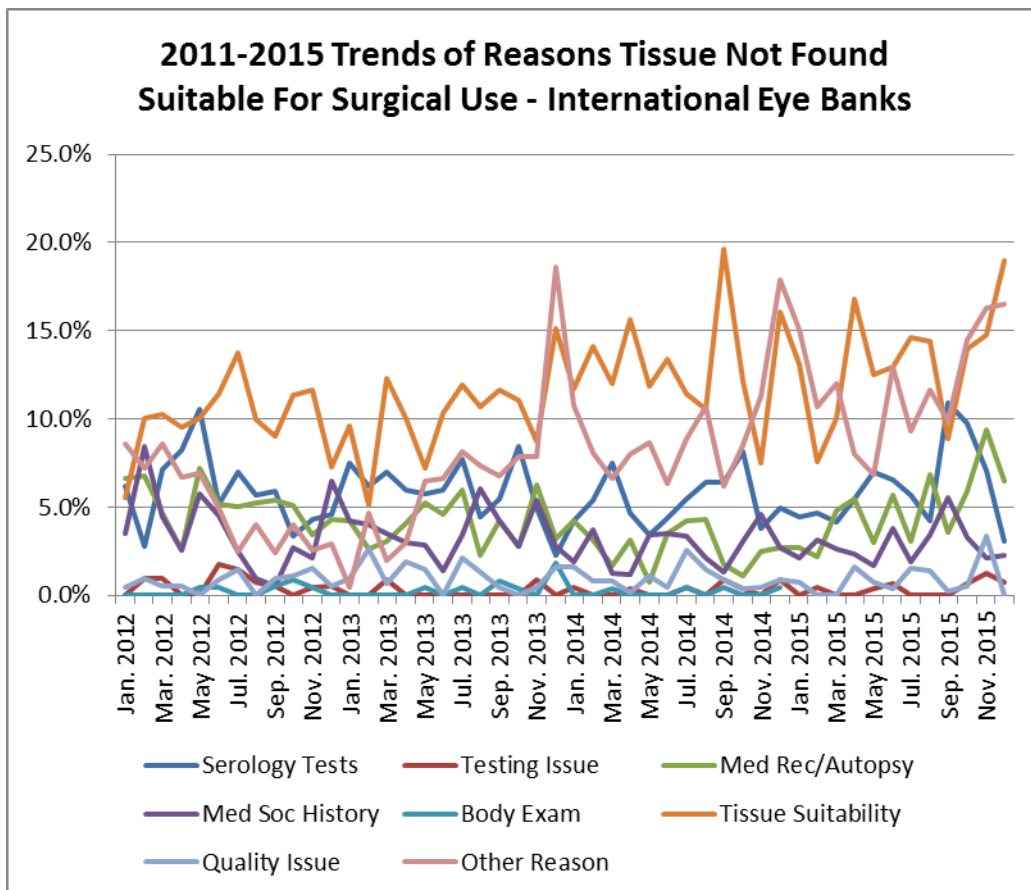
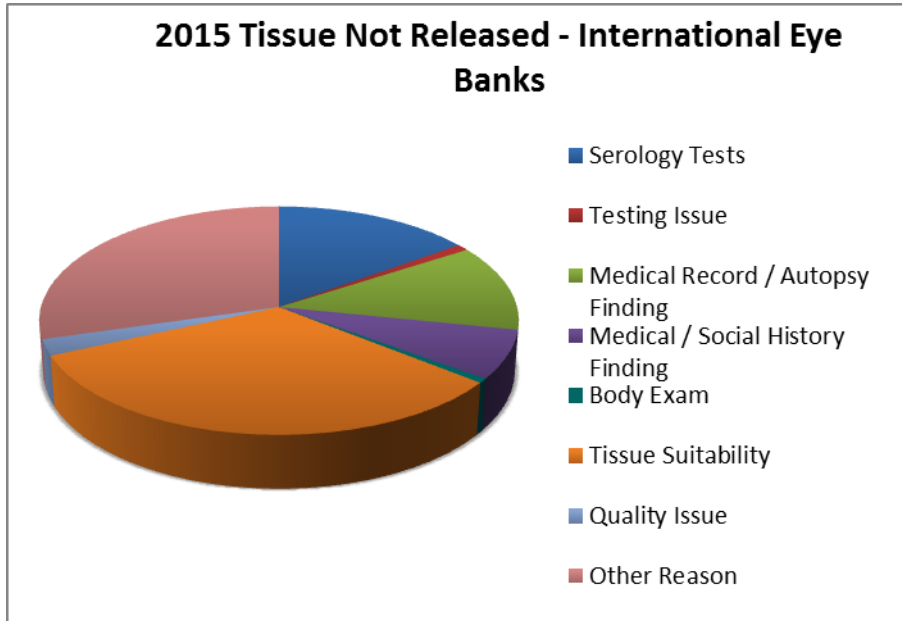
Contraindications for Transplant ¹	2015		2014	
Donor Eligibility	939	42.4%	643	44.6%
Positive or reactive test for communicable disease agent or disease	394	17.8%	310	21.5%
Other communicable disease testing issue	24	1.1%	16	1.1%
Medical record or autopsy findings	323	14.6%	155	10.7%
Medical/social history interview	182	8.2%	154	10.7%
Body Exam	16	0.7%	8	0.6%
Tissue Suitability	856	38.6%	743	51.5%
Quality Issue	60	2.7%	55	3.8%
Other reason prior to tissue release	775	35.0%	531	36.8%
Total eyes/corneas intended for transplant but not released for transplant	2,217		1,443	

*Percentages read from this table should be read as "of the tissue not released for transplant"

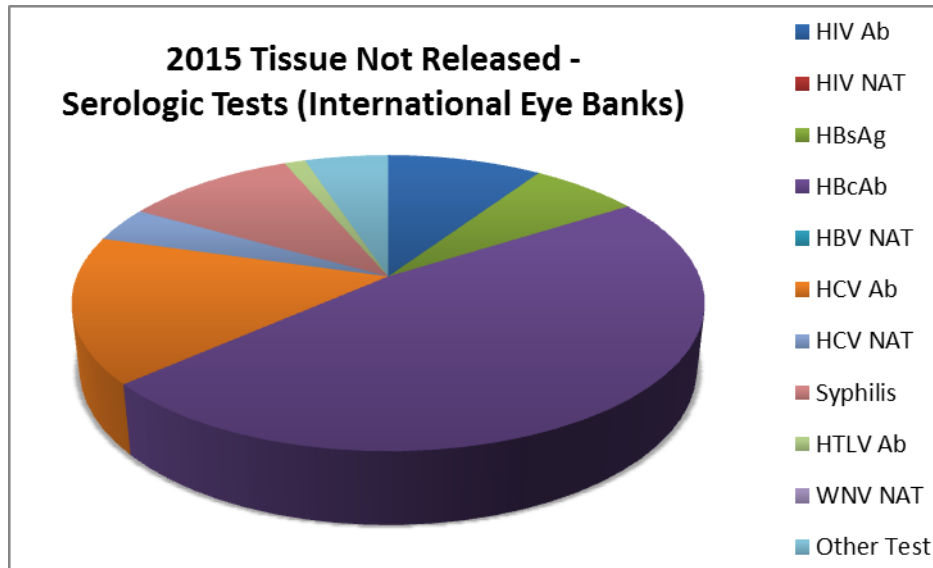
Reasons Tissue Not Released	2012	2013	2014	2015	Trends
Serology Tests	296	326	310	394	
Testing Issue	31	8	16	24	
Med. Rec./ Autopsy Finding	260	219	155	323	
Med Soc Hx Finding	186	197	154	182	
Body Exam	12	18	8	16	
Tissue Suitability	506	561	743	856	
Quality Issue	38	61	55	60	
Other Reason	260	360	531	775	

¹ Some tissues had multiple contraindications.

2015 International Eye Banking Statistics Reasons Tissue Intended for Surgery Was Not Released

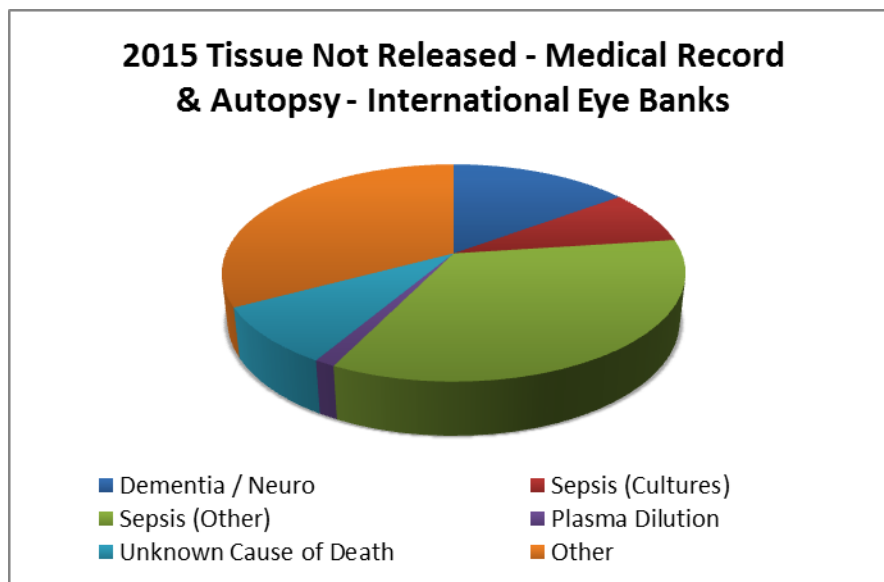
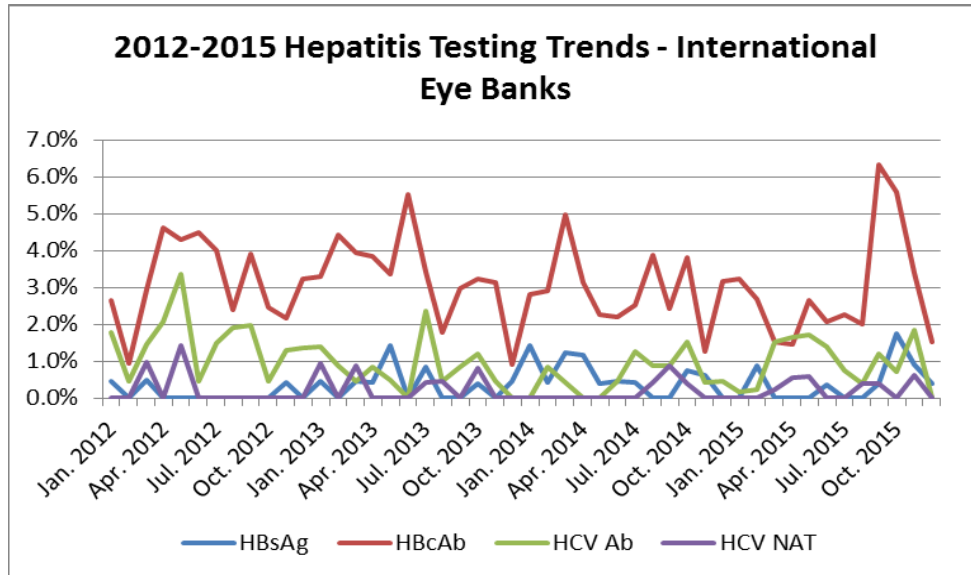


2015 International Eye Banking Statistics Reasons Tissue Intended for Surgery Was Not Suitable For Transplant



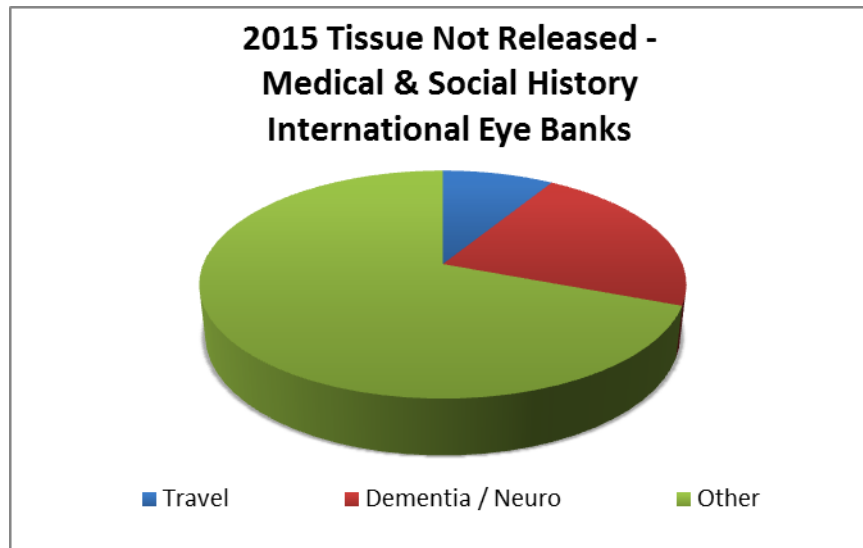
Not Released - Serology	2012	2013	2014	2015	Trend
HIV	10	18	22	37	
HIV I/II Ab	8	6	20	37	
HIV NAT	2	12	2	0	
HBV	165	200	203	213	
HBsAg	6	20	33	26	
HBcAb	159	180	169	187	
HBV NAT	0	0	1	0	
HCV	85	59	42	78	
HCV Ab	75	43	34	63	
HCV NAT	10	16	8	15	
Syphilis	6	16	22	41	
HTLV	12	11	14	5	
WNV	0	0	4	0	
Other	18	22	3	20	

2015 International Eye Banking Statistics Serologic Reasons Tissue Intended for Surgery Was Not Suitable For Transplant



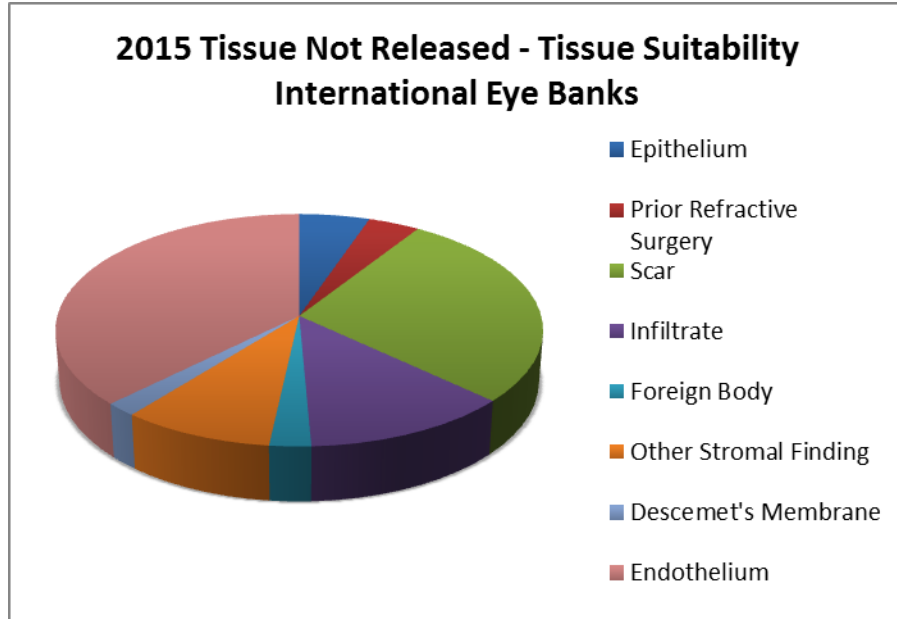
2015 International Eye Banking Statistics Reasons Tissue Intended for Surgery Was Not Suitable

Not Released - Med Rec / Autopsy	2012	2013	2014	2015	Trends
Dementia/Neuro	16	20	20	48	
Sepsis (Cultures)	68	39	23	26	
Sepsis (Other)	79	80	50	111	
Plasma Dilution	10	6	6	4	
Unknown COD	35	26	22	28	
Other	52	48	34	106	



Not Released - Med Soc	2012	2013	2014	2015	Trends
Travel	36	36	30	16	
Dementia/Neuro	2	24	30	40	
Other	136	137	94	126	

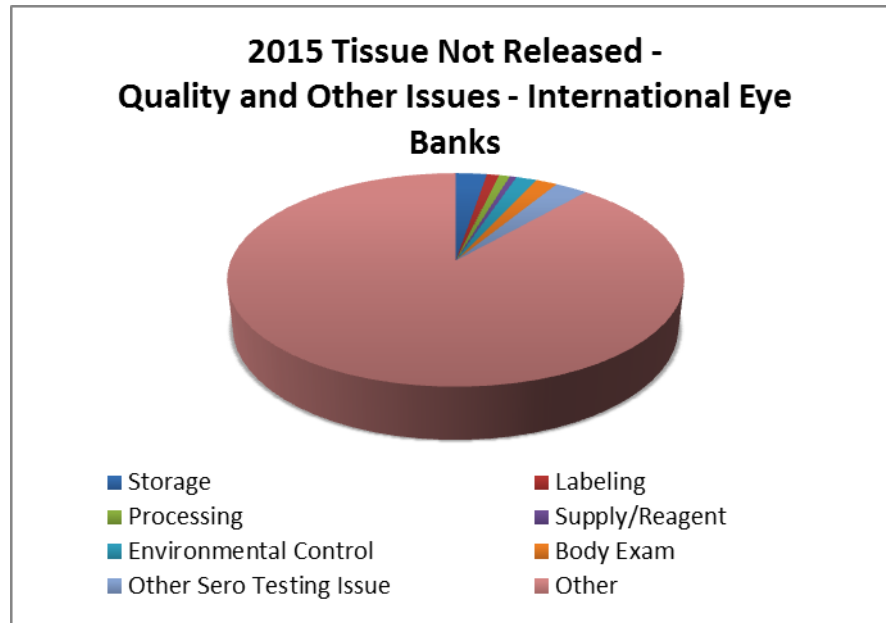
2015 International Eye Banking Statistics Tissue Suitability Reasons Tissue Was Not Released



Not Released - Tissue Suitability	2012	2013	2014	2015	Trends
Epithelium	31	55	65	45	
Prior Refractive Surgery	4	9	33	33	
Scar	68	93	142	238	
Infiltrate	76	81	107	106	
Foreign Body	7	3	28	21	
Other Stromal Finding	59	40	34	77	
Descemet's Membrane	4	3	34	16	
Endothelium	257	277	300	320	

2015 International Eye Banking Statistics

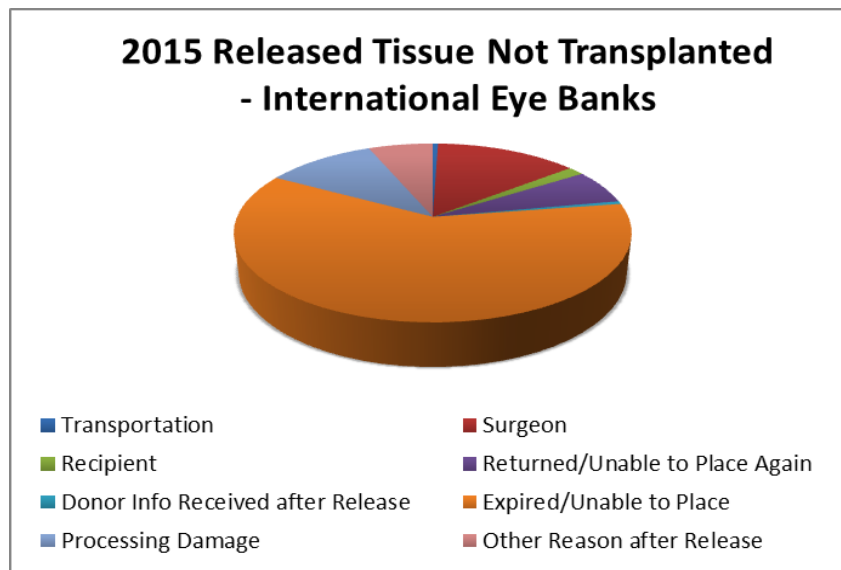
Quality Reasons Tissue Intended for Surgery Was Not Released



Not Released - Quality Issues / Other	2012	2013	2014	2015	Trends
Storage Issue	13	22	16	23	
Labeling Issue	0	5	11	9	
Processing Issue (not released)	21	14	10	8	
Supply / Reagent Issue	2	14	8	5	
Environmental Control Issue	2	6	10	15	
Body Exam	12	18	8	16	
Other Sero Testing Issue	31	8	16	24	
Other Issue	260	360	531	775	

2015 International Eye Banking Statistics Reasons Released Tissues Were Not Transplanted

Reasons Released Tissues Were Not Transplanted	2015		2014	
	Count	Percentage	Count	Percentage
Transportation Issue	2	0.5%	26	5.7%
Surgeon Issue	53	13.9%	20	4.4%
Recipient Issue	6	1.6%	5	1.0%
Returned and Unable to Place Again	24	6.3%	56	12.2%
Donor Information Not Available at the Time of Tissue Release	2	0.5%	0	0.0%
Expired or Unable to Place Tissue	234	61.6%	316	68.8%
Tissue Damaged During Processing	41	10.8%	54	11.8%
Other Reason After Release of Tissue	24	6.3%	10	2.2%
Total eyes/corneas released for transplant but not used for transplant	380		459	



Released But Not Transplanted	2012	2013	2014	2015	Trends
Transport Issue	10	0	26	2	
Surgeon Issue	23	11	20	53	
Recipient Issue	5	3	5	6	
Returned, Unable to Place Again	55	53	56	24	
Donor Info Received After Release	0	0	0	2	
Expired, Unable to Place	246	198	316	234	
Processing Damage After Release	32	41	54	41	
Other Reason After Release	12	9	10	24	

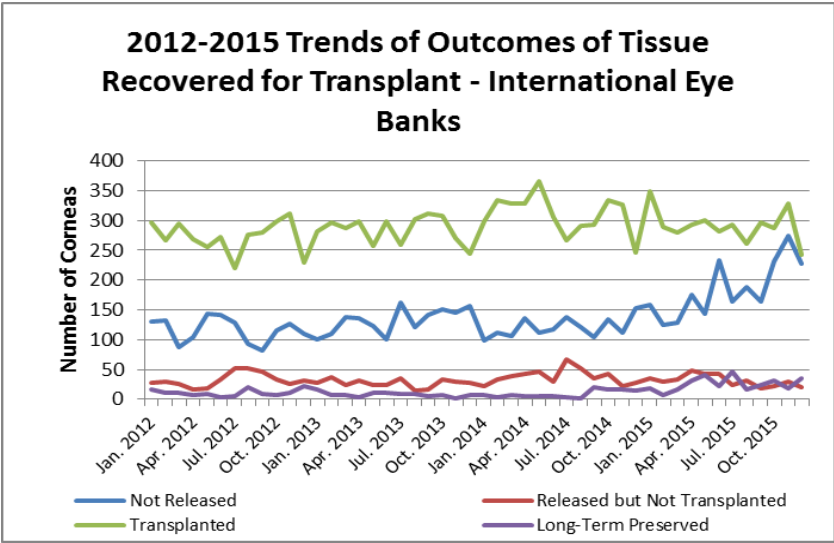
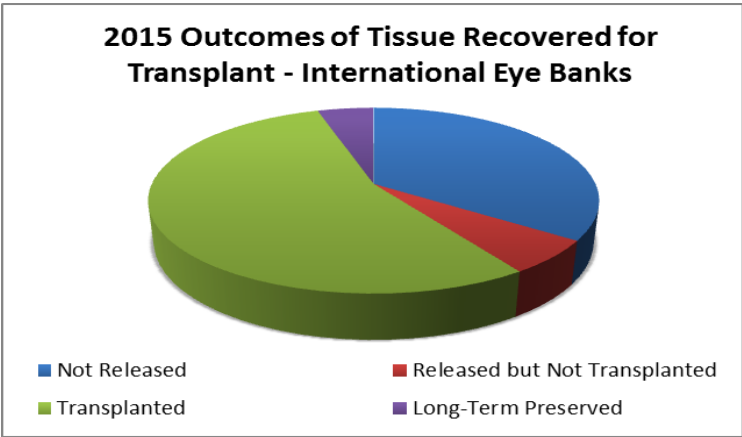
2015 International Eye Banking Statistics Outcomes of Tissue Recovered for Transplant

Donations	2015	2014	% Change
Eye Banks Reported	10	10	0.0%
Total Whole Globes and Corneas Donated	6,846	6,769	1.1%
Total Number of Donors	3,466	3,398	2.0%
Distribution	2015	2014	% Change
Intermediate-Term Preserved Corneas	3,500	3,718	(-5.9%)
Sclera	882	1,010	(-12.7%)
Long-Term Preserved Corneas	108	113	(-4.4%)
Research	402	238	68.9%
Training	1,547	1,301	18.9%

Month	Corneas Recovered for Transplant	Corneas Segmented	Corneal Segments Produced	Not Released		Released but Not Transplanted		Whole Corneas and Segments Transplanted		Preserved Long-Term	
Jan. 2015	559	1	2	158	28.3%	36	6.4%	348	62.1%	18	3.2%
Feb. 2015	450	0	0	124	27.6%	29	6.4%	290	64.4%	7	1.6%
Mar. 2015	458	6	6	129	28.2%	34	7.4%	279	60.9%	16	3.5%
Apr. 2015	548	0	0	176	32.1%	48	8.8%	292	53.3%	32	5.8%
May 2015	528	4	4	144	27.3%	43	8.1%	301	57.0%	40	7.6%
Jun. 2015	579	1	1	233	40.2%	43	7.4%	281	48.5%	22	3.8%
Jul. 2015	527	6	6	165	31.3%	24	4.6%	292	55.4%	46	8.7%
Aug. 2015	499	0	0	189	37.9%	31	6.2%	262	52.5%	17	3.4%
Sep. 2015	505	4	4	165	32.7%	18	3.6%	297	58.8%	25	5.0%
Oct. 2015	573	0	0	232	40.5%	23	4.0%	287	50.1%	31	5.4%
Nov. 2015	651	2	2	275	42.2%	30	4.6%	328	50.4%	18	2.8%
Dec. 2015	526	5	5	227	43.2%	21	4.0%	243	46.2%	35	6.7%
2012 Total	5058	0	0	1394	27.6%	394	7.8%	3270	64.7%	137	2.7%
2013 Total	5427	0	0	1588	29.3%	324	6.0%	3415	62.9%	100	1.8%
2014 Total	5726	6	10	1443	25.2%	459	8.0%	3718	64.9%	110	1.9%
2015 Total	6403	29	30	2217	34.6%	380	5.9%	3500	54.7%	307	4.8%
2015 Avg.	534	2	3	185	N/A	32	N/A	292	N/A	26	N/A
Std. Dev.	55	2.43	2.4	47	6.1%	9	1.8%	27	5.8%	11	2.1%

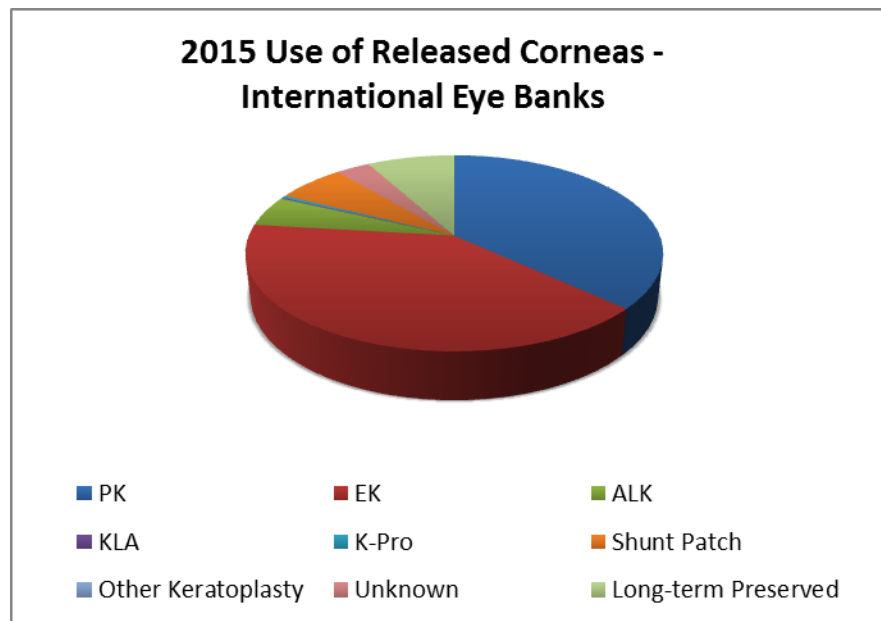
*Percentages read from this table should be read as "of the tissue recovered with transplant intent"

2015 International Eye Banking Statistics Outcomes of Tissues Recovered For Transplant



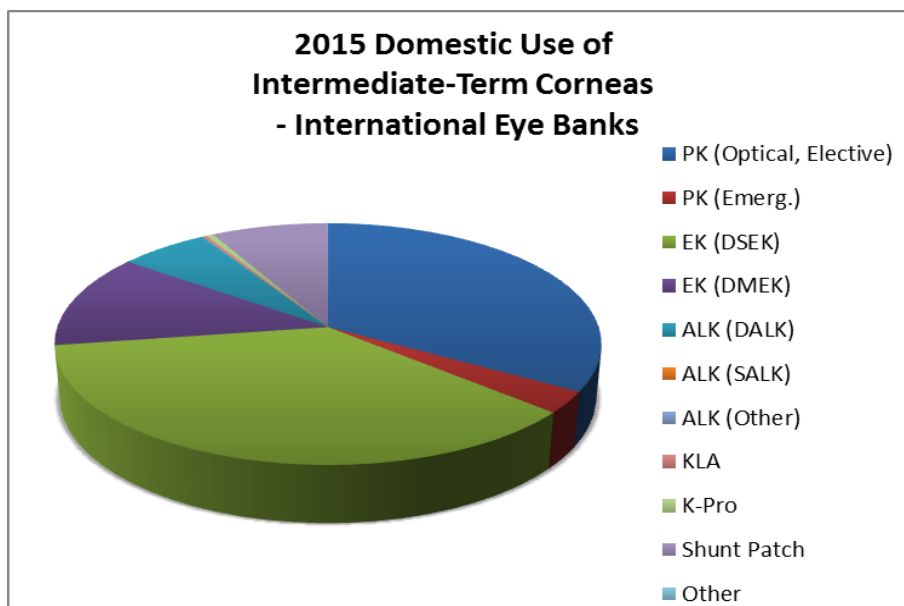
2015 International Eye Banking Statistics Use of Donated Tissues

Distribution	2015	2014	2013	2012	2011
Corneal Grafts Total	3,806	3,824	3,515	3,270	5,813
Penetrating Keratoplasty	1,403	1,539	1,356	1,246	2,460
Anterior Lamellar Keratoplasty	192	150	160	122	169
Endothelial Keratoplasty	1,523	1,669	1,491	1,271	2,293
Keratolimbic Allograft	8	0	0	0	2
Keratoprosthesis (K-Pro)	15	20	14	18	43
Glaucoma Shunt Patch or other non-keratoplasty use	240	304	227	169	434
Other keratoplasty (experimental surgery)	1	0	0	1	0
Unknown or Unspecified	118	36	167	306	46
Sclera	882	1,010	943	996	1,496
Long-Term Preserved Corneas	108	113	112	141	31
Keratoplasty	5	12	1	11	2
Glaucoma Shunt Patching	102	101	110	119	30
Other Surgical Uses	1	0	1	11	0
Research	402	291	305	248	1,122
Training	1,547	1,301	1,462	1,445	2,596



2015 International Eye Banking Statistics Intermediate-Term Tissue Distribution

Intermediate-Term Tissue Distribution of Source Eye Bank Corneas For Domestic Use		
	2015	2014
Intermediate-term preserved corneas, corneal segments or whole eyes transplanted domestically for:	3,084	3,167
PK	1,101	1,214
Optical or Elective PK	1,013	1,155
Emergency of Full Thickness	88	59
EK	1,478	1,453
DSEK, DSAEK, DLEK	1,097	1,211
DMEK or DMAEK	381	242
ALK	185	142
DALK (Deep Anterior Lamellar Keratoplasty)	183	136
SALK (Superficial Anterior Lamellar Keratoplasty)	0	0
Other ALK (e.g. peripheral, eccentric, etc.)	2	6
KLA	8	0
Keratoprosthesis (K-Pro)	15	19
Glaucoma shunt patch or other non-keratoplasty use	239	303
Other Keratoplasty (e.g. experimental surgery type)	1	0
Unknown or Unspecified	57	36
Total intermediate-term preserved corneas, corneal segments, and whole eyes used for KERATOPLASTY	3,260	3,414
Total intermediate-term preserved corneas, corneal segments, and whole eyes used for TRANSPLANT	3,499	3,714



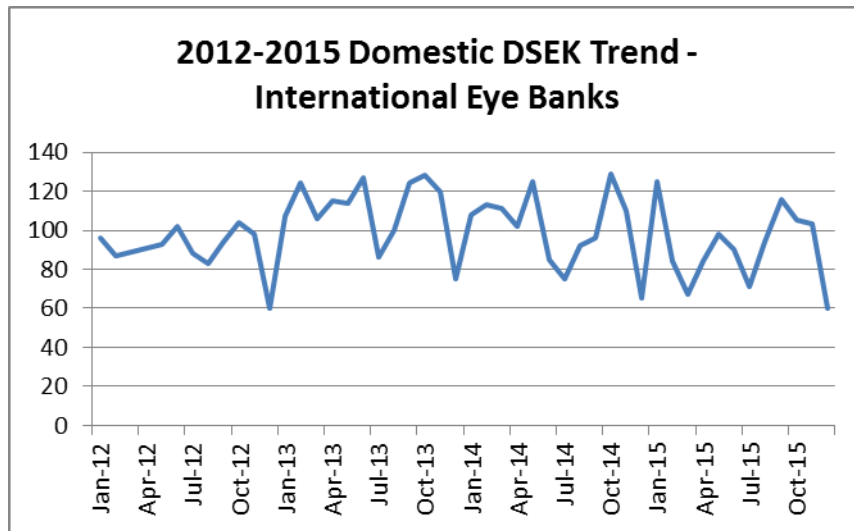
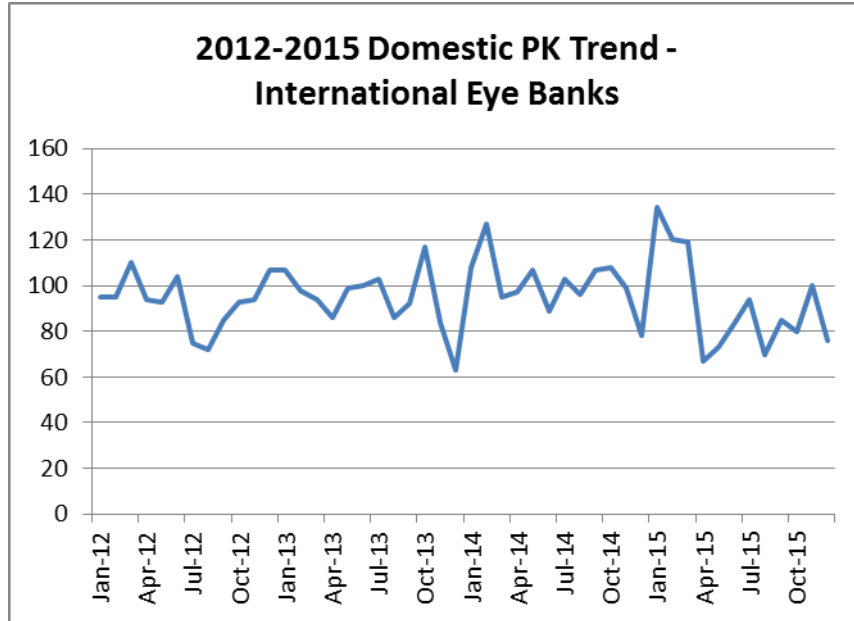
2015 International Eye Banking Statistics

Domestic Surgery Use of Intermediate-Term Preserved Tissue

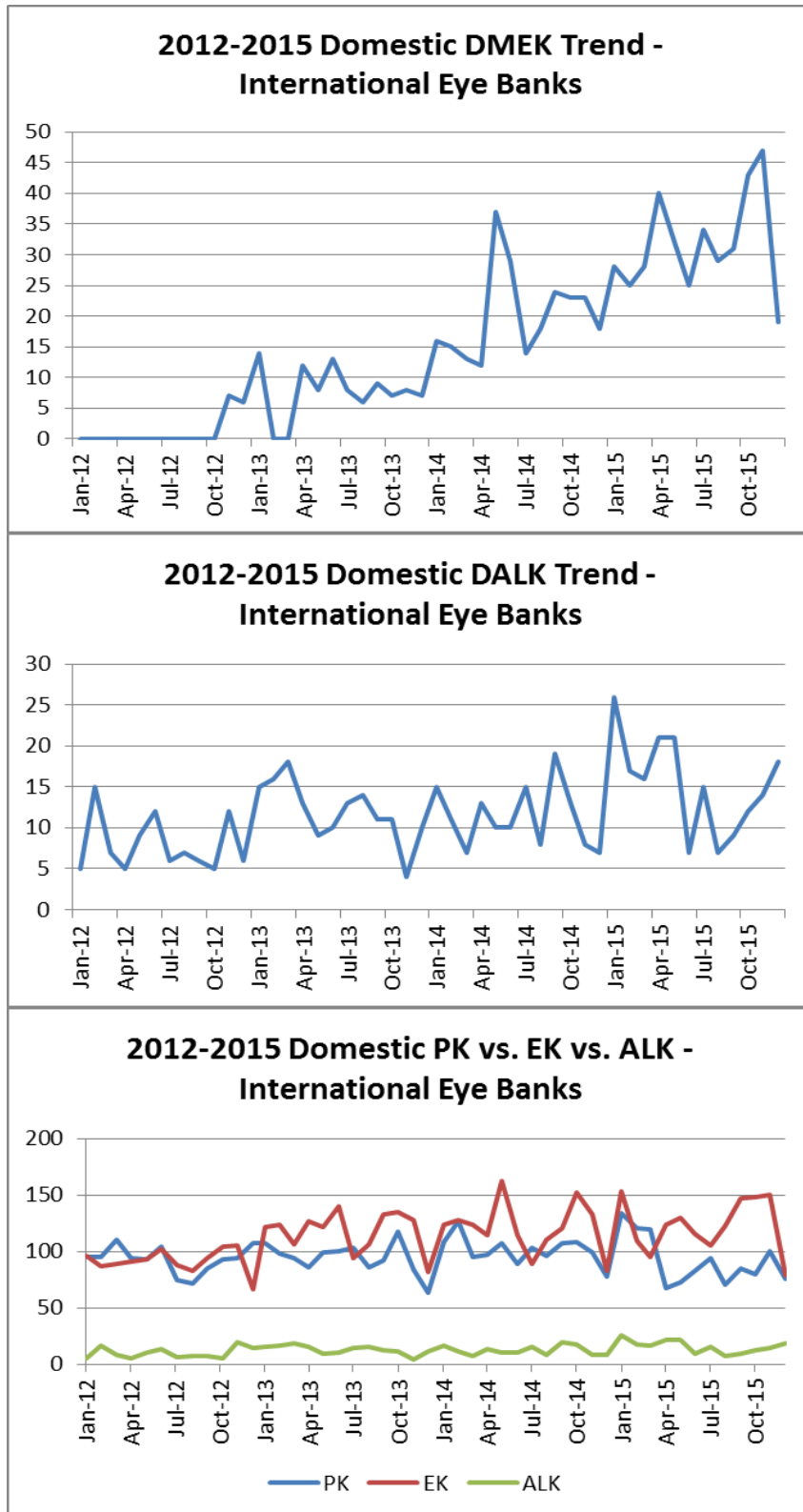
International Eye Banks												
Month	PK (Optical, Elective)	PK (Emerg.)	EK (DSEK)	EK (DMEK)	ALK (DALK)	ALK (SALK)	ALK (Other)	KLA	K- Pro	Shunt Patch	Other	Unknown
Jan. 2015	37.0%	3.0%	37.3%	8.4%	7.8%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	2.1%
Feb. 2015	41.4%	3.8%	31.6%	9.4%	6.4%	0.0%	0.0%	0.0%	0.0%	4.1%	0.0%	3.4%
Mar. 2015	47.4%	0.8%	27.1%	11.3%	6.5%	0.0%	0.0%	0.0%	0.4%	6.5%	0.0%	0.0%
Apr. 2015	25.6%	2.1%	34.7%	16.5%	8.7%	0.0%	0.0%	0.0%	0.8%	10.3%	0.0%	1.2%
May 2015	25.8%	2.3%	37.7%	12.3%	8.1%	0.0%	0.0%	2.3%	1.2%	10.0%	0.0%	0.4%
Jun. 2015	33.5%	1.7%	38.1%	10.6%	3.0%	0.0%	0.8%	0.0%	1.3%	6.8%	0.0%	4.2%
Jul. 2015	34.4%	4.1%	29.1%	13.9%	6.1%	0.0%	0.0%	0.0%	0.8%	7.8%	0.0%	3.7%
Aug. 2015	29.3%	2.3%	42.3%	13.1%	3.2%	0.0%	0.0%	0.0%	0.9%	9.0%	0.0%	0.0%
Sep. 2015	27.1%	2.4%	40.3%	10.8%	3.1%	0.0%	0.0%	0.0%	0.0%	10.1%	0.0%	6.3%
Oct. 2015	28.4%	2.3%	40.2%	16.5%	4.6%	0.0%	0.0%	0.4%	0.0%	7.7%	0.0%	0.0%
Nov. 2015	29.3%	4.0%	34.3%	15.7%	4.7%	0.0%	0.0%	0.3%	0.3%	11.0%	0.3%	0.0%
Dec. 2015	35.5%	6.0%	32.8%	10.4%	9.8%	0.0%	0.0%	0.0%	0.5%	4.9%	0.0%	0.0%
2012 Avg.	20.7%	0.2%	21.1%	0.0%	1.1%	0.0%	0.0%	0.0%	1.3%	2.0%	0.0%	8.8%
2013 Avg.	35.3%	1.4%	43.1%	3.0%	4.7%	0.1%	0.1%	0.0%	0.4%	7.4%	0.0%	4.7%
2014 Avg.	36.5%	1.9%	38.2%	7.6%	4.3%	0.0%	0.2%	0.0%	0.6%	9.6%	0.0%	1.1%
2015 Avg.	32.8%	2.9%	35.6%	12.4%	5.9%	0.0%	0.1%	0.3%	0.5%	7.7%	0.0%	1.8%
Std. Dev.	6.7%	1.4%	4.7%	2.8%	2.3%	0.0%	0.2%	0.7%	0.5%	2.4%	0.1%	2.1%

*Percentages read from this table should be read as "of the tissue distributed for transplant use domestically"

2015 International Eye Banking Statistics Trends of Domestic Use



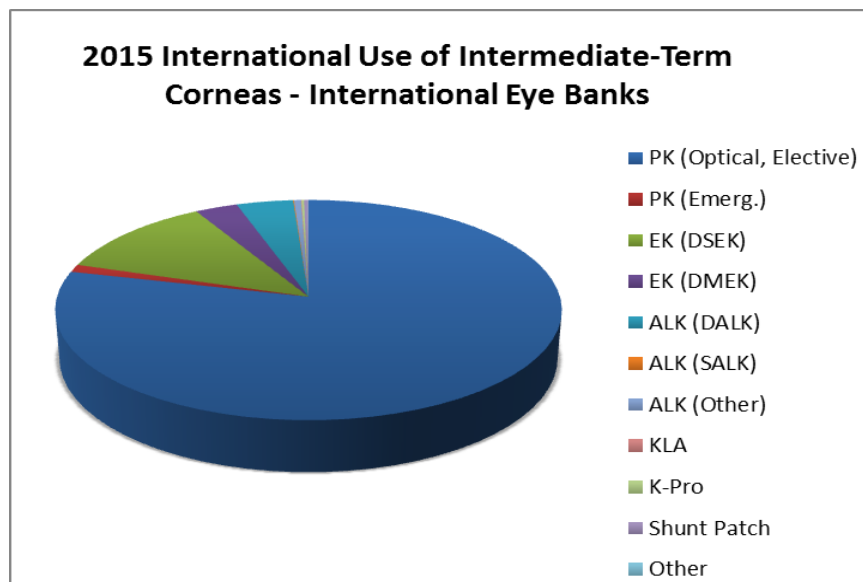
2015 International Eye Banking Statistics Trends of Domestic Use



2015 International Eye Banking Statistics

International Surgery Use of Intermediate-Term Preserved Tissue

Intermediate-Term Tissue Distribution of Source Eye Bank Corneas For International Use		
	2015	2014
Intermediate-term preserved corneas, corneal segments or whole eyes transplanted for:	416	551
PK	302	325
Optical or Elective PK	298	325
Emergency of Full Thickness	4	0
EK	45	216
DSEK, DSAEK, DLEK	23	216
DMEK or DMAEK	22	0
ALK	7	8
DALK (Deep Anterior Lamellar Keratoplasty)	7	7
SALK (Superficial Anterior Lamellar Keratoplasty)	0	0
Other ALK (e.g. peripheral, eccentric, etc.)	0	1
KLA	0	0
Keratoprosthesis (K-Pro)	0	1
Glaucoma shunt patch or other non-keratoplasty use	1	1
Other Keratoplasty (e.g. experimental surgery type)	0	0
Unknown or Unspecified	61	0
Total intermediate-term preserved corneas, corneal segments, and whole eyes used for KERATOPLASTY	3,260	3,414
Total intermediate-term preserved corneas, corneal segments, and whole eyes used for TRANSPLANT	3,499	3,714



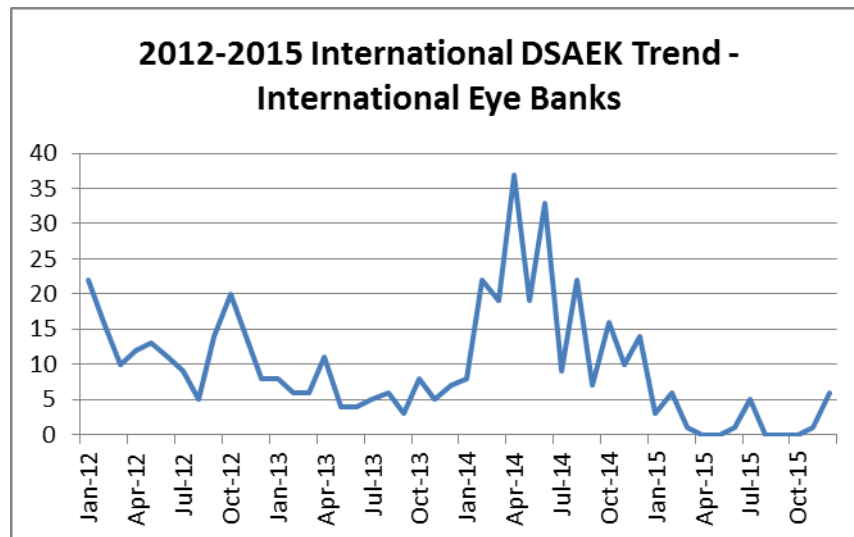
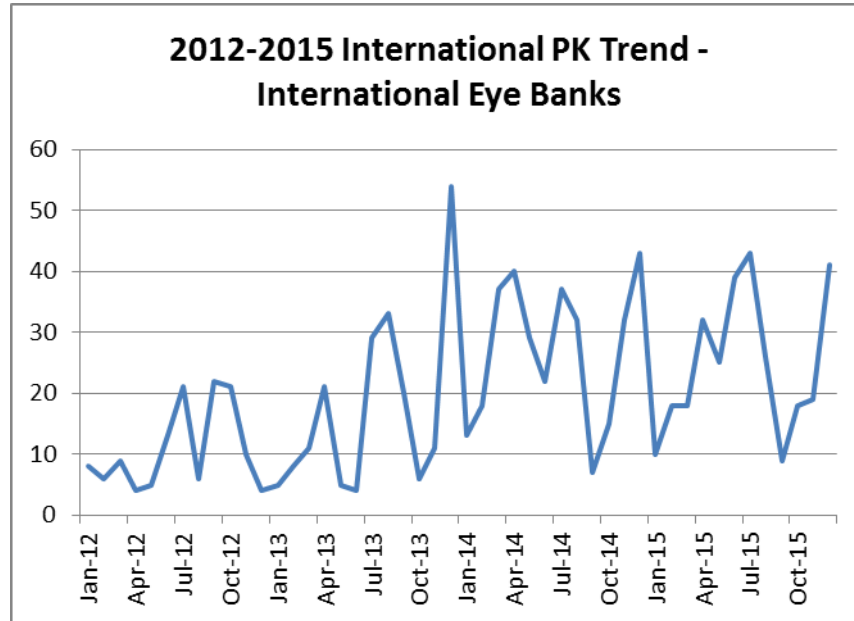
2015 International Eye Banking Statistics

International Surgery Use of Intermediate-Term Preserved Tissue

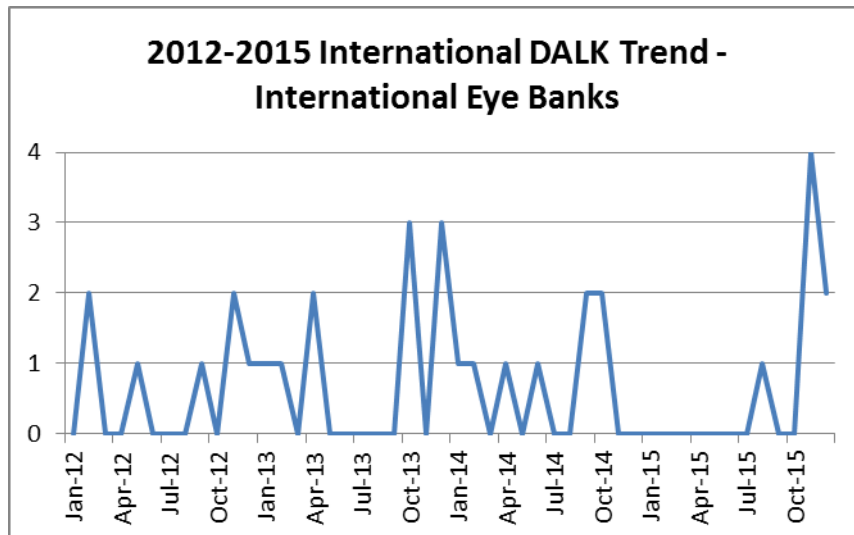
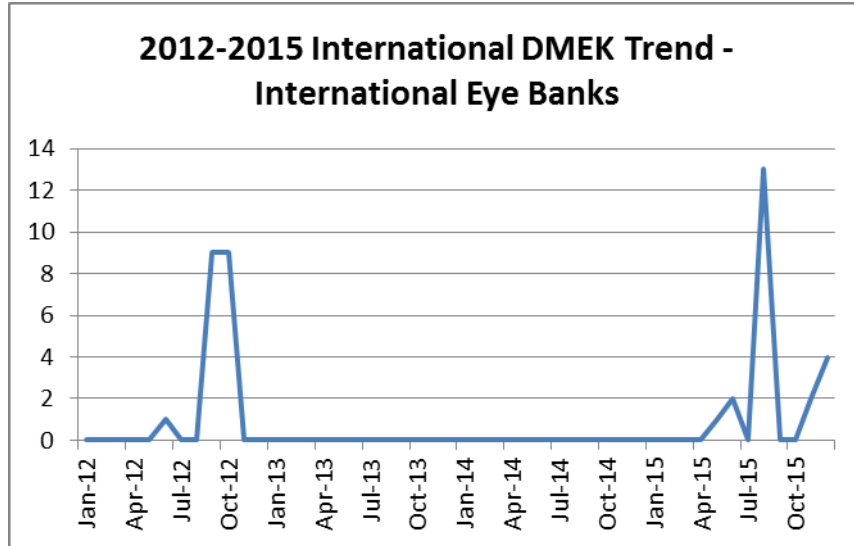
International Eye Banks												
Month	PK (Optical, Elective)	PK (Emerg.)	EK (DSEK)	EK (DMEK)	ALK (DALK)	ALK (SALK)	ALK (Other)	KLA	K- Pro	Shunt Patch	Other	Unknown
Jan. 2015	76.9%	0.0%	23.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Feb. 2015	75.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mar. 2015	56.3%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.6%
Apr. 2015	64.0%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30.0%
May 2015	61.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	36.6%
Jun. 2015	86.7%	0.0%	2.2%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%
Jul. 2015	89.6%	0.0%	10.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Aug. 2015	65.0%	0.0%	0.0%	32.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sep. 2015	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Oct. 2015	69.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30.8%
Nov. 2015	67.9%	3.6%	3.6%	7.1%	14.3%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%
Dec. 2015	68.3%	0.0%	10.0%	6.7%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.7%
2012 Avg.	41.2%	0.0%	49.2%	6.1%	2.2%	0.0%	0.0%	0.0%	0.6%	0.3%	0.3%	0.0%
2013 Avg.	61.6%	1.0%	11.2%	0.3%	4.0%	0.2%	1.0%	0.1%	0.2%	0.1%	0.1%	3.5%
2014 Avg.	59.0%	0.7%	10.8%	1.5%	3.4%	0.0%	0.8%	0.0%	0.1%	0.2%	0.0%	3.0%
2015 Avg.	71.6%	1.0%	10.8%	2.8%	3.7%	0.1%	0.4%	0.0%	0.2%	0.3%	0.0%	2.8%
Std. Dev.	12.9%	1.9%	9.0%	9.3%	4.1%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	16.5%

*Percentages read from this table should be read as "of the tissue distributed for transplant use internationally"

2015 International Eye Banking Statistics Trends of International Use

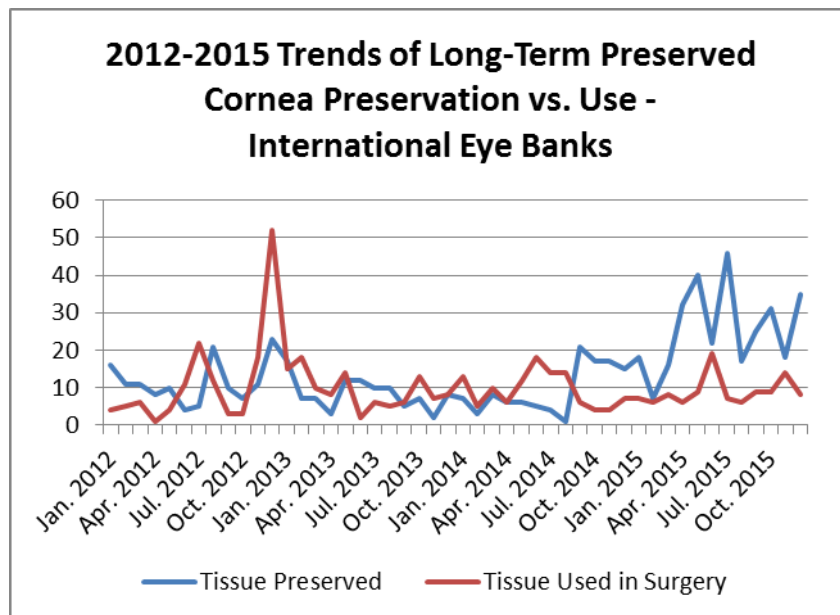


2015 International Eye Banking Statistics Trends of International Use



2015 International Eye Banking Statistics Long-Term Tissue Distribution

Long-Term Preserved Tissue Preservation and Distribution		
	2015	2014
Long-term preserved corneas or whole globes PRESERVED for transplant	307	110
Long-term preserved corneas, corneal segments, or whole globes DISTRIBUTED for:	108	113
Keratoplasty	5	12
Glaucoma Shunt patching	102	101
Other Surgical Uses	1	0
Long-term preserved corneas, corneal segments, or whole globes FORWARDED to another entity for final distribution	59	9
Sclera or sclera segments PRESERVED for transplantation	1,269	1,261
Sclera or sclera segments DISTRIBUTED for:	882	1,010
Prosthesis following enucleation	18	40
Glaucoma shunt patching	611	679
Other surgical uses	253	291
Sclera or sclera segments FORWARDED to another entity for final distribution	2	11

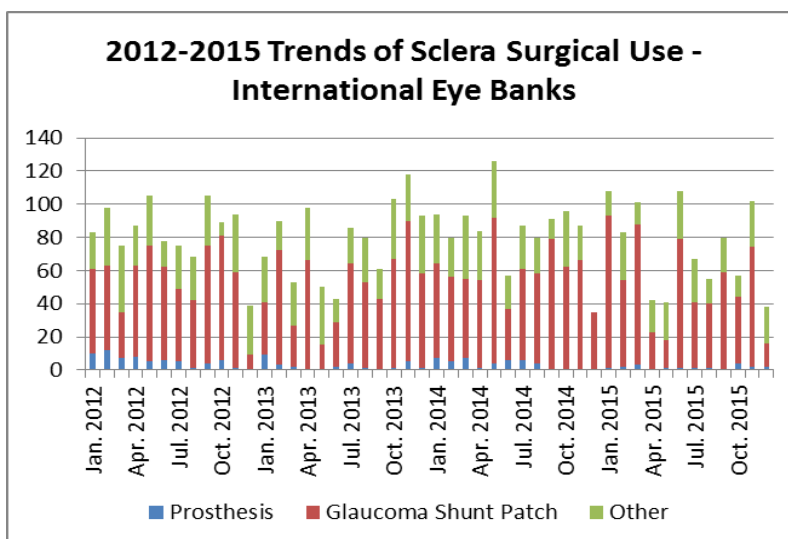
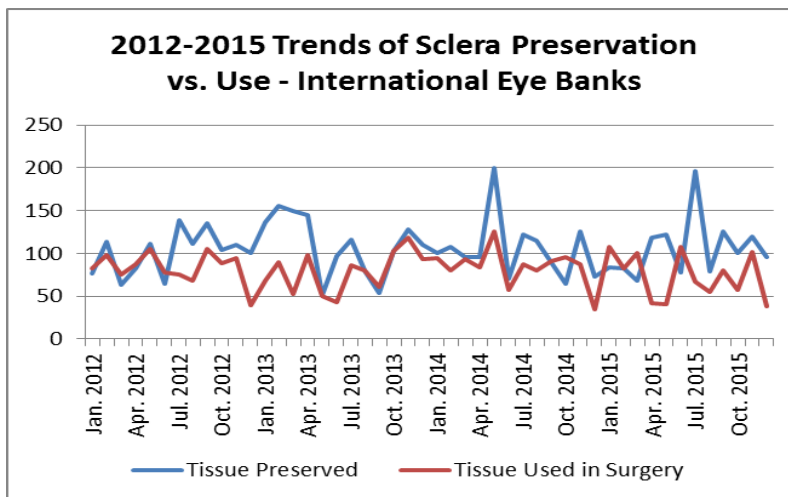
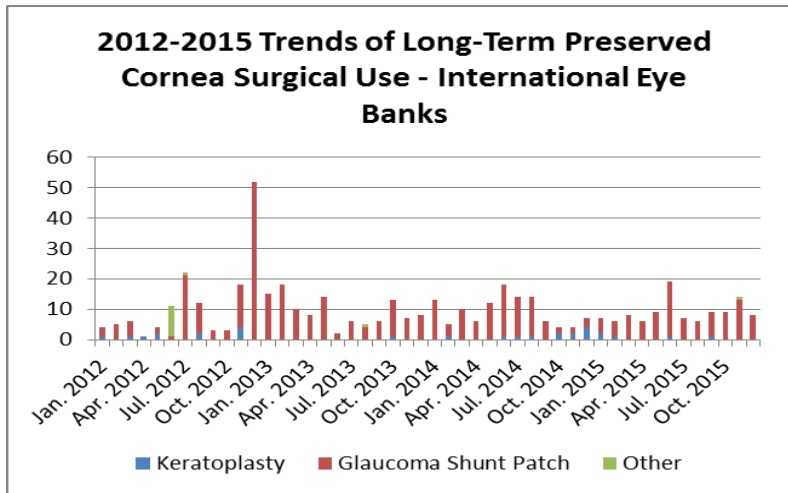


2015 International Eye Banking Statistics Long-Term Tissue Trends

International Eye Banks								
Month	Long-Term Preserved Corneas	Long-Term Cornea Use Keratoplasty	Long-Term Cornea Use - Glaucoma	Long-Term Cornea Use - Other	Scleral Segments Preserved	Sclera Use Prosthesis	Sclera Use Glaucoma	Sclera Use - Other
Jan. 2015	18	2	5	0	84	1	92	15
Feb. 2015	7	1	5	0	83	2	52	29
Mar. 2015	16	0	8	0	68	3	85	13
Apr. 2015	32	0	6	0	118	0	23	19
May 2015	40	0	9	0	122	1	17	23
Jun. 2015	22	1	18	0	78	1	78	29
Jul. 2015	46	0	7	0	196	1	40	26
Aug. 2015	17	0	6	0	79	1	39	15
Sep. 2015	25	1	8	0	125	0	59	21
Oct. 2015	31	0	9	0	100	4	40	13
Nov. 2015	18	0	13	1	120	2	72	28
Dec. 2015	35	0	8	0	96	2	14	22
2012 Total	137	11	119	11	1210	65	609	322
2013 Total	100	1	110	1	1325	28	597	318
2014 Total	110	12	101	0	1261	40	679	291
2015 Total	307	5	102	1	1269	18	611	253
2015 Avg.	26	0	9	0	106	2	51	21
Std. Dev.	11	1	4	0	35	1	27	6

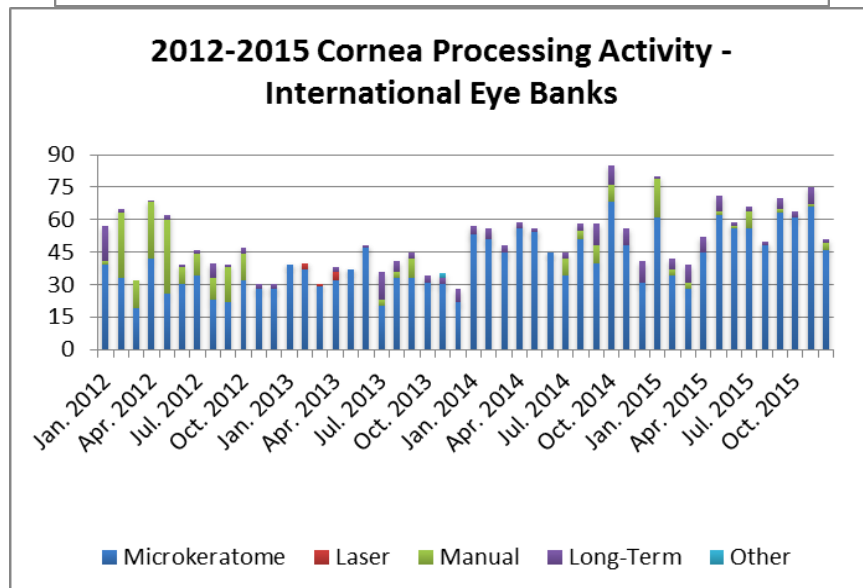
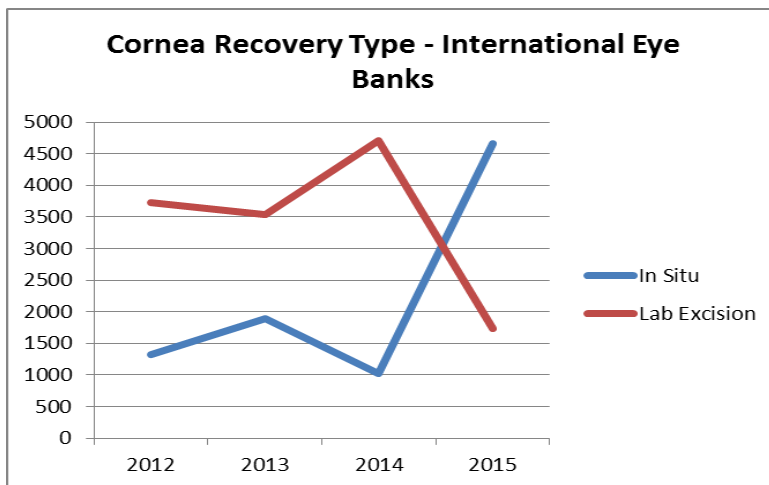
Ocular Tissue Used for Glaucoma Shunt Patching	2012	2013	2014	2015
Long-Term Cornea	119	110	101	102
Intermediate-Term Cornea	169	227	304	240
Sclera	609	597	679	611

2015 International Eye Banking Statistics Long-Term Tissue Trends






2015 International Eye Banking Statistics Tissue Processing

Tissue Processing for Transplant		
	2015	2014
Eye Processing (does not include in situ excision)	1,736	4,702
Processed for corneal preservation only	1,339	4,310
Processed for sclera preservation	319	325
Processed for other ocular materials	78	67
Cornea Processing	719	664
Processed by microkeratome	626	576
Processed by laser	0	0
Processed by hand dissection	41	28
Processed by transfer into long-term preservation	52	60
Processed by other methods	0	0

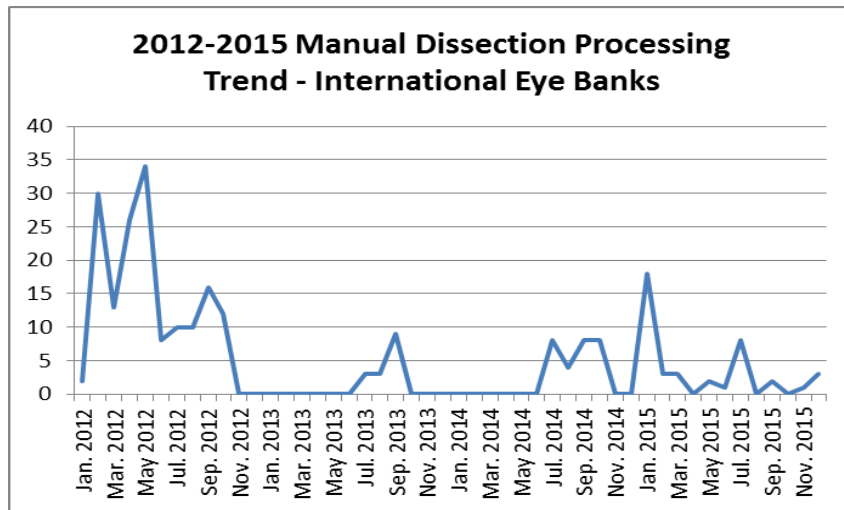
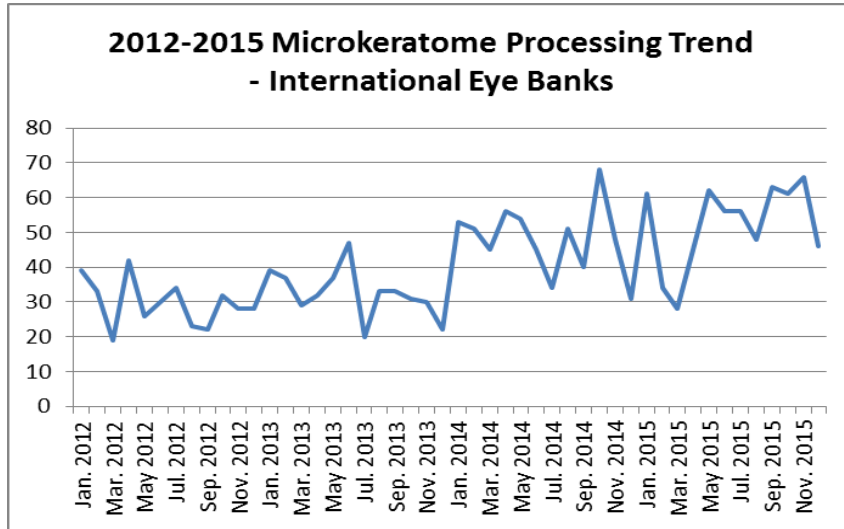


2015 International Eye Banking Statistics Tissue Processing

International Eye Banks					
Month	Processing - Microkeratome	Processing - Laser	Processing - Manual	Processing - Long-Term Preservation	Processing - Other
Jan. 2015	61	0	18	1	0
Feb. 2015	34	0	3	5	0
Mar. 2015	28	0	3	8	0
Apr. 2015	45	0	0	7	0
May 2015	62	0	2	7	0
Jun. 2015	56	0	1	2	0
Jul. 2015	56	0	8	2	0
Aug. 2015	48	0	0	2	0
Sep. 2015	63	0	2	5	0
Oct. 2015	61	0	0	3	0
Nov. 2015	66	0	1	8	0
Dec. 2015	46	0	3	2	0
2012 Total					
	356	0	161	39	0
2013 Total					
	390	8	15	36	2
2014 Total					
	576	0	28	60	0
2015 Total					
	626	0	41	52	0
2015 Avg.					
	52	0	3	4	0
Std. Dev.					
	12	0	5	3	0

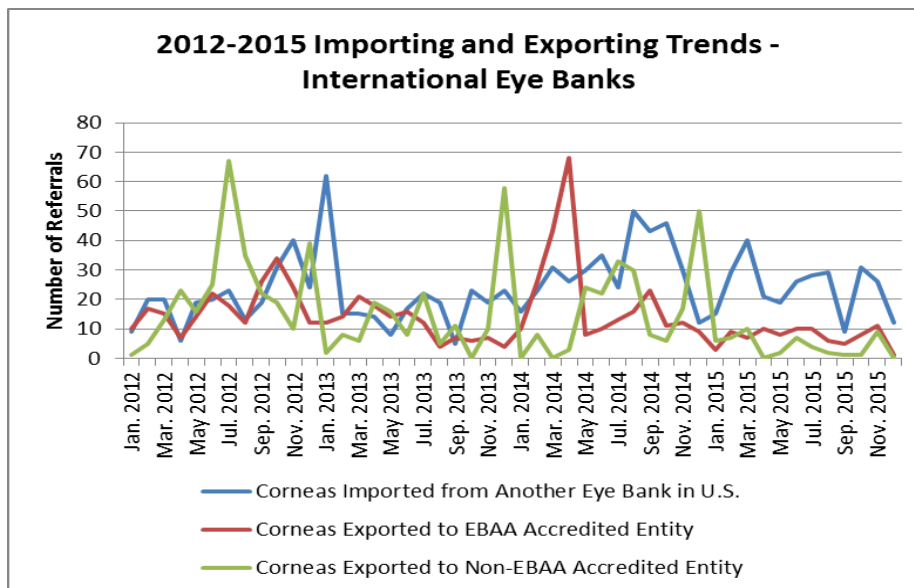
	2012	2013	2014	2015	Trends
Processing Events	556	451	664	719	
Failed Processing	53	55	64	49	
Failure Rate	9.5%	12.2%	9.6%	6.8%	

2015 International Eye Banking Statistics Tissue Processing



2015 International Eye Banking Statistics Forwarded Tissue

International Eye Banks			
Month	Imported Tissue	Exported Tissue (to EBAA Accred.)	Exported Tissue (to non-EBAA Accred.)
Jan. 2015	15	3	6
Feb. 2015	29	9	7
Mar. 2015	40	7	10
Apr. 2015	21	10	0
May 2015	19	8	2
Jun. 2015	26	10	7
Jul. 2015	28	10	4
Aug. 2015	29	6	2
Sep. 2015	9	5	1
Oct. 2015	31	8	1
Nov. 2015	26	11	9
Dec. 2015	12	1	0
2012 Total			
	244	211	275
2013 Total			
	242	135	165
2014 Total			
	366	249	201
2015 Total			
	285	88	49
2015 Avg.			
	24	7	4
Std. Dev.			
	9	3	4



2015 International Eye Banking Statistics Indications for Corneal Transplant

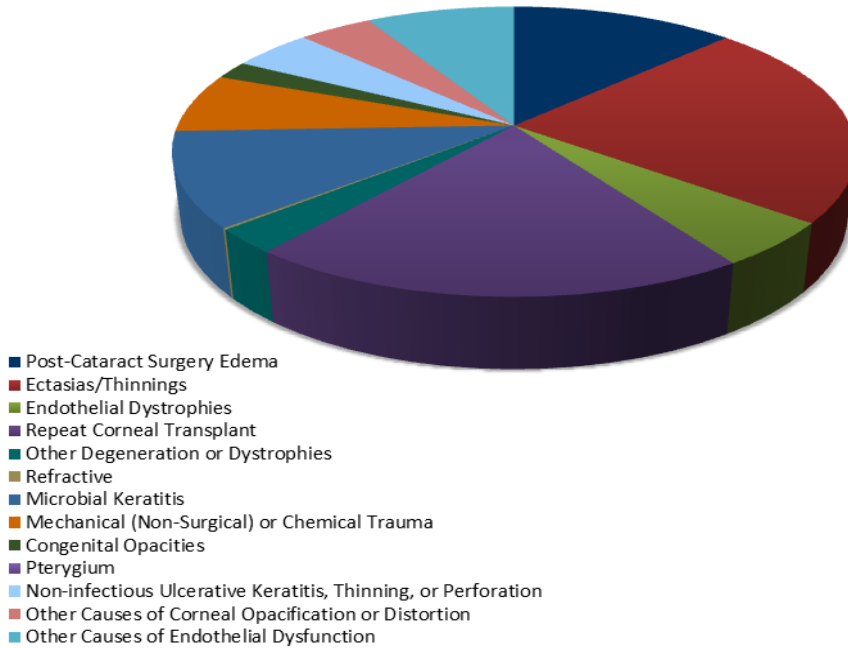
Indications for Penetrating Keratoplasty	2015		2014	
A. Post-cataract surgery edema	152	10.8%	142	9.2%
B. Keratoconus	279	19.9%	309	20.1%
C. Fuchs' Dystrophy	61	4.3%	61	4.0%
D. Repeat Corneal Transplant	245	17.5%	344	22.4%
E. Other degenerations or dystrophies	33	2.4%	36	2.3%
F. Post-refractive surgery	2	0.1%	6	0.4%
G. Microbial changes	128	9.1%	139	9.0%
H. Mechanical or chemical trauma	80	5.7%	125	8.1%
I. Congenital opacities	24	1.7%	24	1.6%
J. Pterygium	0	0.0%	0	0.0%
K. Non-infectious ulcerative keratitis or perforation	55	3.9%	67	4.4%
L. Other causes of corneal dysfunction or distortion (non-endothelial)	50	3.6%	53	3.4%
M. Other causes of endothelial dysfunction	101	7.2%	72	4.7%
Z. Unknown, unreported, or unspecified	193	13.8%	161	10.5%
Total Indications for Penetrating Keratoplasty	1,403		1,539	

Indications for Anterior Lamellar Keratoplasty	2015		2014	
B. Keratoconus	109	56.8%	73	48.7%
D. Repeat Corneal Transplant	6	3.1%	10	6.7%
E. Other degenerations or dystrophies	6	3.1%	6	4.0%
F. Post-refractive surgery	1	0.5%	3	2.0%
G. Microbial changes	17	8.9%	16	10.7%
H. Mechanical or chemical trauma	10	5.2%	10	6.7%
I. Congenital opacities	6	3.1%	7	4.7%
J. Pterygium	0	0.0%	0	0.0%
K. Non-infectious ulcerative keratitis or perforation	3	1.6%	6	4.0%
L. Other causes of corneal dysfunction or distortion	3	1.6%	12	8.0%
Z. Unknown, unreported, or unspecified	31	16.1%	7	4.7%
Total for Anterior Keratoplasty	192		150	

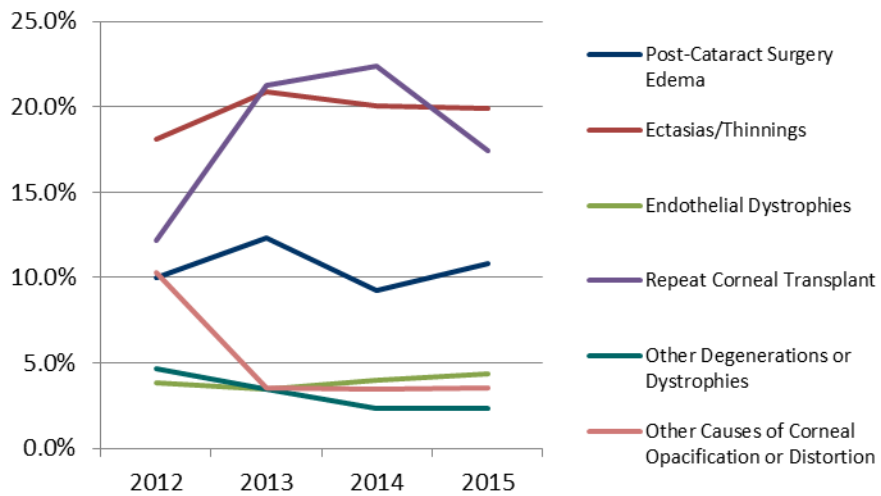
Indications for Endothelial Keratoplasty	2015		2014	
A. Post-Cataract Surgery Edema	400	26.3%	509	30.5%
C. Fuchs' Dystrophy	774	50.8%	772	46.3%
D. Repeat Corneal Transplant	199	13.1%	214	12.8%
M. Other Causes of Endothelial Dysfunction	80	5.3%	81	4.9%
Z. Unknown, unreported, or unspecified	70	4.6%	93	5.6%
Total for Endothelial Keratoplasty	1,523		1,669	

2015 International Eye Banking Statistics Indications for Corneal Transplant

2015 Indications for Penetrating Keratoplasty - International Eye Banks



2011-2015 Trends in Common PK Surgical Indications - International Eye Banks



2015 International Eye Banking Statistics Indications for Corneal Transplant

Indications for PK - International Eye Banks														
Year	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
2012 Avg.	10.0%	18.1%	3.8%	12.1%	4.7%	0.2%	2.5%	3.5%	1.8%	0.0%	3.3%	10.3%	3.1%	26.6%
2013 Avg.	12.3%	20.9%	3.5%	21.2%	3.5%	0.2%	9.7%	6.0%	1.1%	0.0%	3.5%	3.5%	5.5%	9.1%
2014 Avg.	9.2%	20.1%	4.0%	22.4%	2.3%	0.4%	9.0%	8.1%	1.6%	0.0%	4.4%	3.4%	4.7%	10.5%
2015 Avg.	10.8%	19.9%	4.3%	17.5%	2.4%	0.1%	9.1%	5.7%	1.7%	0.0%	3.9%	3.6%	7.2%	13.8%
Std. Dev.	2.6%	4.2%	2.9%	4.1%	1.1%	0.3%	1.7%	2.5%	2.4%	0.0%	0.8%	1.9%	2.4%	5.0%

*Percentages read from this table should be read as "of the tissue used for PK"

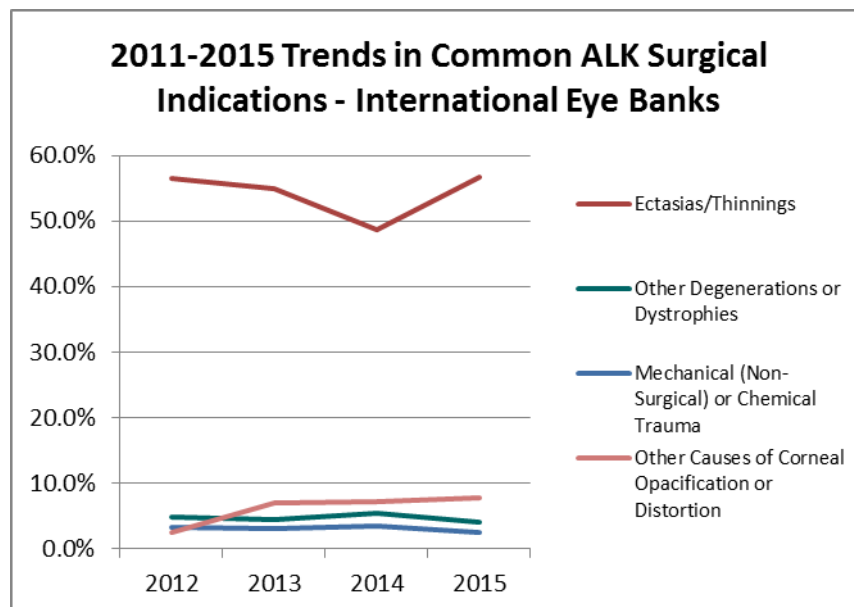
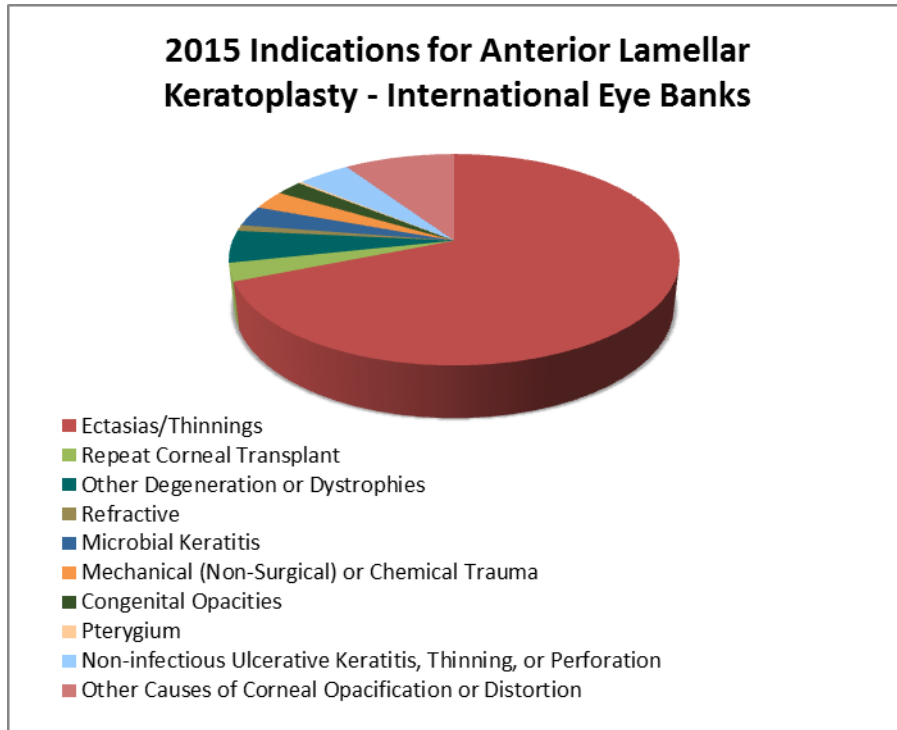
Indications for ALK - International Eye Banks														
Year	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
2012 Avg.		56.6%		3.3%	4.9%	0.0%	4.9%	3.3%	4.1%	0.0%	1.6%	2.5%		18.9%
2013 Avg.		55.0%		1.9%	4.4%	0.6%	2.5%	3.5%	1.8%	0.2%	2.8%	6.9%		41.4%
2014 Avg.		48.7%		1.4%	5.5%	0.4%	1.6%	2.4%	1.4%	0.3%	2.6%	7.2%		38.5%
2015 Avg.		56.8%		2.3%	4.0%	0.8%	2.5%	2.4%	1.9%	0.2%	3.7%	7.8%		36.0%
Std. Dev.		22.2%		5.5%	4.8%	1.4%	9.1%	4.5%	3.9%	0.0%	3.6%	2.2%		21.3%

*Percentages read from this table should be read as "of the tissue used for ALK"

Indications for EK - International Eye Banks														
Year	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
2012 Avg.	29.2%		46.8%	12.7%									3.9%	7.4%
2013 Avg.	31.9%		45.8%	12.8%									4.6%	4.8%
2014 Avg.	30.5%		46.3%	12.8%									4.9%	5.6%
2015 Avg.	26.3%		50.8%	13.1%									5.3%	4.6%
Std. Dev.	3.0%		5.1%	2.8%									2.3%	4.1%

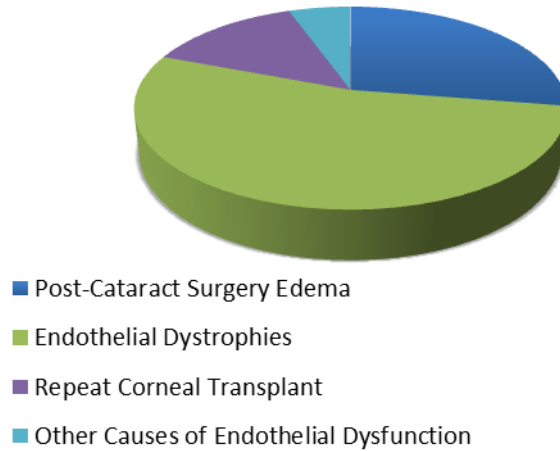
*Percentages read from this table should be read as "of the tissue used for EK"

2015 International Eye Banking Statistics Indications for Corneal Transplant

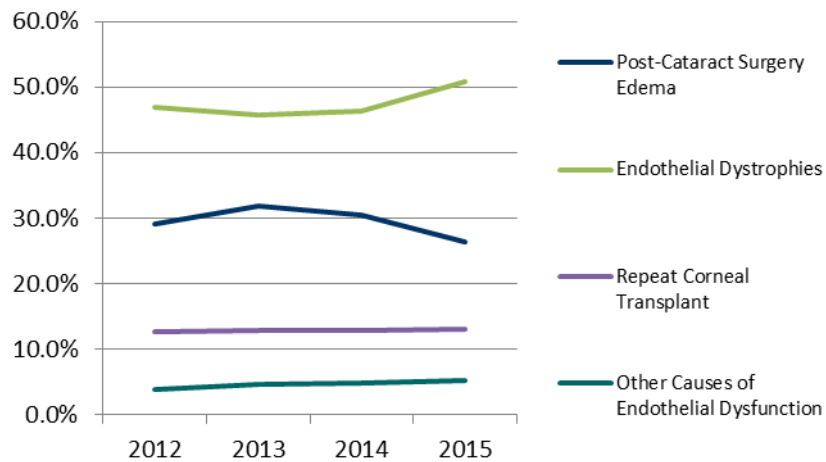


2015 International Eye Banking Statistics Indications for Corneal Transplant

2015 Indications for Endothelial Keratoplasty - International Eye Banks

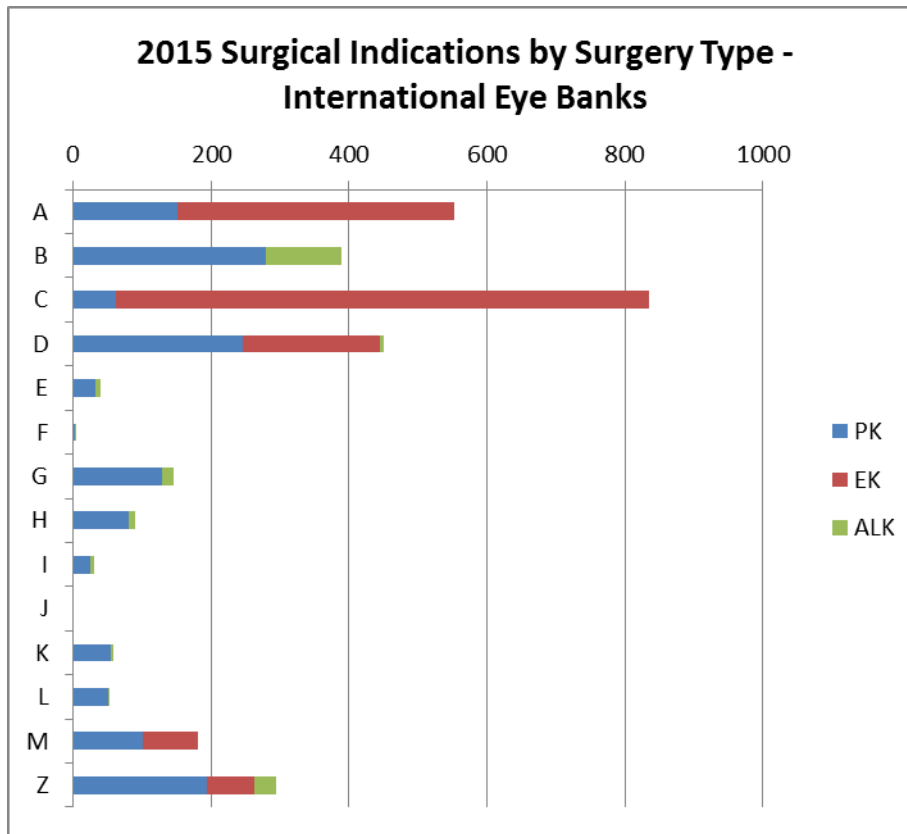


2011-2015 Trends in Common EK Surgical Indications - International Eye Banks



2015 International Eye Banking Statistics Indications for Corneal Transplant

Indications for Keratoplasty - International Eye Banks														
	A	B	C	D	E	F	G	H	I	J	K	L	M	Z
PK	152	279	61	245	33	2	128	80	24	0	55	50	101	193
EK	400		774	199									80	70
ALK		109		6	6	1	17	10	6	0	3	3		31



- A - Post-Cataract Surgery Edema
- B - Ectasias/Thinning
- C - Endothelial Dystrophies
- D - Repeat Corneal Transplant
- E - Other Degeneration or Dystrophies
- F - Refractive
- G - Microbial Keratitis
- H - Mechanical (Non-Surgical) or Chemical Trauma
- I - Congenital Opacities
- J - Pterygium
- K - Non-infectious Ulcerative Keratitis, Thinning, or Perforation
- L - Other Causes of Corneal Opacification or Distortion
- M - Other Causes of Endothelial Dysfunction
- Z - Unknown or Unreported

Eye Banks Submitting Data for the 2015 Eye Banking Statistical Report

STATE	EYE BANK NAME	CITY
AL	Alabama Eye Bank	Birmingham
AR	Arkansas Lions Eye Bank & Laboratory	Little Rock
AZ	Donor Network of Arizona	Phoenix
CA	California Transplant Services	Carlsbad
	One Legacy	Los Angeles
	San Diego Eye Bank	San Diego
	Sierra Donor Services	Sacramento
CO	Rocky Mountain Lions Eye Bank	Aurora
CT	Eversight Connecticut	New Britain
FL	Florida Lions Eye Bank	Miami
	TBI Orlando / Medical Eye Bank of Florida	Orlando
	International Sight Restoration	Tampa
	Lions Eye Institute for Transplantation and Research	Tampa
GA	Georgia Eye Bank	Atlanta
HI	Hawaii Lions Eye Bank & Makana Foundation	Honolulu
IA	Iowa Lions Eye Bank	Coralville
ID	Idaho Lions Eye Bank	Boise
IN	Indiana Lions Eye & Tissue Transplant Bank	Indianapolis
KS	Kansas Eye Bank & Cornea Research Center	Wichita
KY	Lions Eye Bank of Lexington	Lexington
	University of Louisville Lions Eye Bank	Louisville
LA	Baton Rouge Regional Eye Bank	Baton Rouge
	ISR Eye Bank of Louisiana	Shreveport
	Southern Eye Bank	Metairie
MD	TBI Corporate	Baltimore
	TBI Baltimore/DC, Medical Eye Bank of Maryland	Baltimore
MI	Eversight Corporate	Ann Arbor
MN	Minnesota Lions Eye Bank	Minneapolis
MO	Mid-America Transplant Services	St. Louis
	Saving Sight	Columbia
MS	Mississippi Lions Eye Bank	Flowood
NC	Lifeshare of the Carolinas	Charlotte
	Miracles in Sight.	Winston-Salem
NE	Lions Eye Bank of Nebraska, Inc.	Omaha
NM	New Mexico Lions Eye Bank	Albuquerque
NV	Nevada Donor Network, Inc.	Las Vegas
NY	Central New York Eye Bank	Syracuse
	Sight Society of NENY, Inc. (Lions Eye Bank at Rochester)	Rochester
	Sight Society of Northeastern NY (Lions Eye Bank at Albany)	Albany
	The Lions Eye Bank for Long Island	Valley Stream
	The Eye-Bank for Sight Restoration	New York
	Upstate New York Transplant Services, Inc.	Buffalo

STATE	EYE BANK NAME	CITY
OH	Central Ohio Lions Eye Bank, Inc.	Columbus
	Cincinnati Eye Bank for Sight Restoration, Inc.	Cincinnati
	Lions Eye Bank of West Central Ohio	Dayton
OK	Oklahoma Lions Eye Bank	Oklahoma City
OR	Lions VisionGift	Portland
PA	Center for Organ Recovery & Education (CORE)	Pittsburgh
	Gift of Life Donor Program Eye Bank	Hershey
	Lions Eye Bank of Delaware Valley	Philadelphia
	Lions Eye Bank of Northwest Pennsylvania, Inc.	Erie
	Northeast Pennsylvania Lions Eye Bank	Bethlehem
PR	Lions Eye Bank of Puerto Rico	San Juan
SC	LifePoint, Inc.	Charleston
SD	Dakota Lions Sight and Health	Sioux Falls
TN	East Tennessee Lions Eye Bank, Inc.	Knoxville
	Mid-South Eye Bank for Sight Restoration, Inc.	Memphis
	Tennessee Donor Services	Nashville
TX	Fort Worth Eye Bank	Fort Worth
	Great Plains Lions Eye Bank, Inc.	Lubbock
	Lions Eye Bank of Texas at Baylor College of Medicine	Houston
	Lone Star Lions Eye Bank	Manor
	San Antonio Eye Bank	San Antonio
	Transplant Services Center, UT Southwestern Medical Center	Dallas
	Western Texas Lions Eye Bank Alliance	San Angelo
UT	Utah Lions Eye Bank	Murray
VA	Lions Medical Eye Bank & Research Center of Eastern VA, Inc.	Norfolk
	Old Dominion Eye Foundation, Inc.	Richmond
WA	SightLife	Seattle
WI	Lions Eye Bank of Wisconsin	Madison
WV	Medical Eye Bank of West Virginia	Charleston

COUNTRY	EYE BANK NAME	CITY
Canada	Lions Eye Bank	Calgary, AB
	Eye Bank of British Columbia	Vancouver, BC
	Misericordia Eye Bank	Winnipeg, MB
	New Brunswick Organ and Tissue Donor Program- Ocular Division	Saint John, NB
	Regional Tissue Bank	Halifax, NS
	Eye Bank of Canada, Ontario Division	Toronto, ON
	Eye Bank of Saskatchewan	Saskatoon, SK
Japan	Cornea Center & Eye Bank	Ichikawa City
Hong Kong	Hospital Authority Lions Eye Bank	Kowloon
China	Daqing Eye Bank	Daqing