



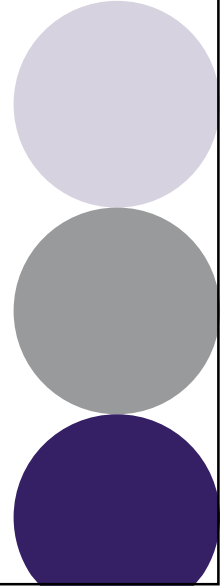
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## Quality and the IRIS Registry

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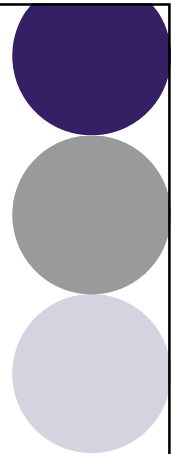
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## Financial Disclosure

- Joy Woodke, COE,OCS, OCSR and Dr. Lum have no relevant financial interests or relationships to disclose.

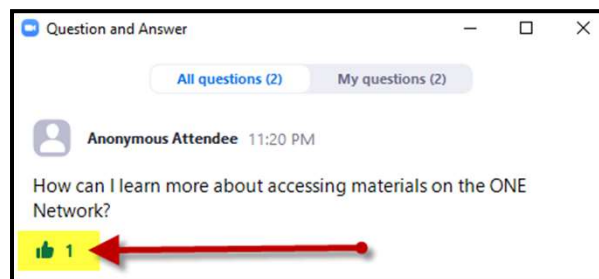


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## Asking Questions During Q&A

- Use Attendee **Q and A** Function to:
  - Ask questions of the presenters
  - Upvote questions by clicking the thumbs up



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# IRIS Registry



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## Current Stats (October 1, 2021)

### Contracted

- **18,155** physicians  
from **4,171** practices

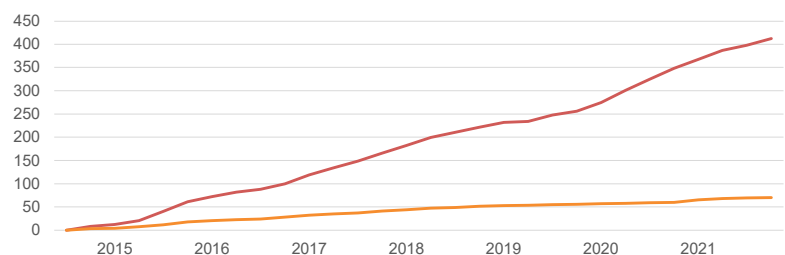
### Contracted for EHR Integration

- **15,920** physicians  
from **3,014** practices

### Number of patient visits

- **412.77** million,  
representing **70.81** million pts

IRIS Registry Growth in Millions of Visits and Unique Patients



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## What is the IRIS Registry?

IRIS Registry (Intelligent Research in Sight) is the nation's first comprehensive eye disease clinical database, started March 25, 2014

- Improve care delivery and patient outcomes
- Provides individual feedback on performance and comparison to benchmarks
- Helps practices meet Merit-based Incentive Payment System requirement (MIPS)

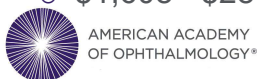


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## IRIS Registry Main MIPS Reporting Tool for Ophthalmologists, 2017-2020

- Higher average score for ophthalmologists than average MIPS participant
- \$1.05 billion in avoided penalties or \$102,963/ophthalmologist over 4 years
- Majority of ophthalmologists earned an exceptional performance bonus
  - .10% - 1.79% of Medicare Fee Schedule (based on 2017-2019)
  - Translates to \$402 - \$7,191 bonus per ophthalmologist/year
  - \$1,608 - \$28,764 bonus per ophthalmologist for 2017-2020 reporting years



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## 2019 MIPS Preliminary Score Performance for IRIS Registry Participants

- Average MIPS preliminary score was **74.82** out of 85 points
- For Quality, **88%** of EHR-integrated participants scored either the maximum or within five points of it
- **78%** of EHR-integrated participants qualified for a 2021 exceptional performance bonus
- Exceptional performance bonus ranges from 0.1% (\$402) to 1.79% (\$7,191)



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## 2020 Preliminary MIPS Performance: Ophthalmologists in the IRIS Registry

- 83% of ophthalmologists submitting through the IRIS Registry earned a score of 85 points or more
- 5,450 ophthalmologists are eligible to earn an exceptional performance bonus in 2022
- 3,004 (36.7%) had the top score of 100 points and are eligible to earn the highest bonus
- 912 ophthalmologists are also eligible to earn a small bonus in 2022
- 7,262 ophthalmologists avoided the 9% penalty, which would total **\$62.6 million** in aggregate



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## Total Savings in Avoided Penalties 2017-2020



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## How to Monitor Quality and Improve Quality Using IRIS Registry

Benefits of participation

Options

Tips for success



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# Value of IRIS Registry

## Evaluate your own data

- Benchmark your outcomes against your practice colleagues or national averages

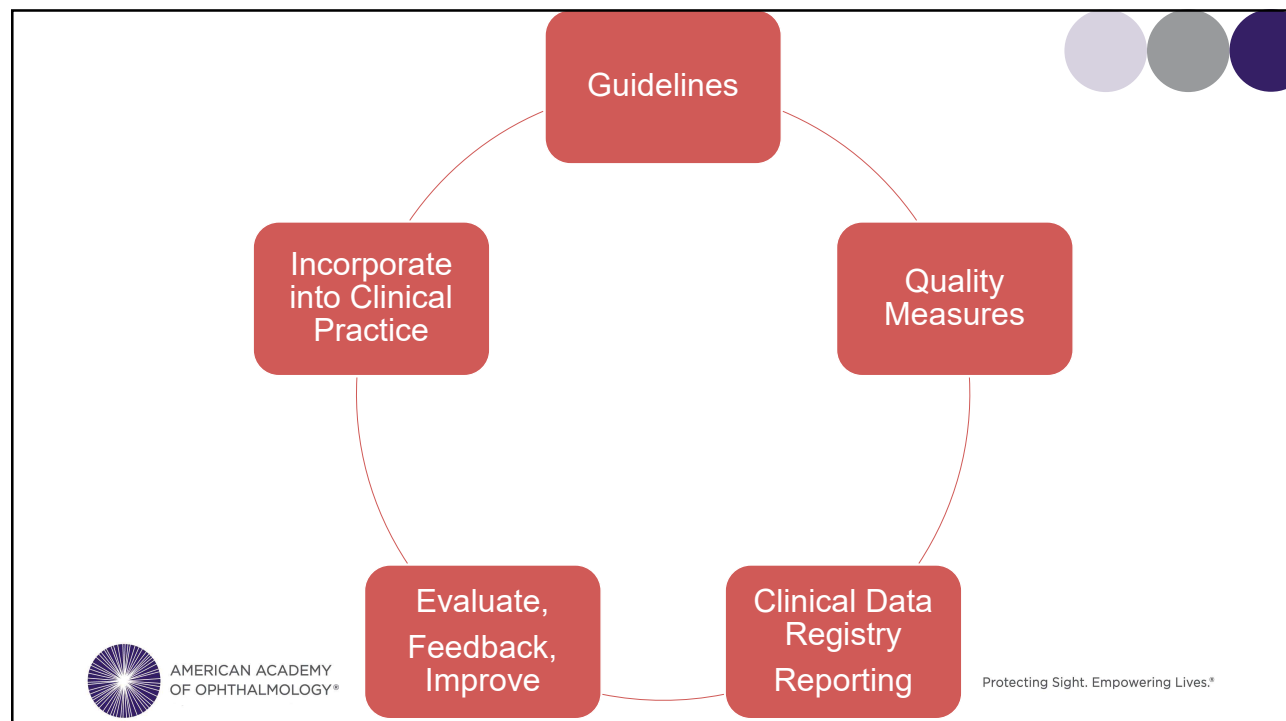
## Manage your patients at a population level

- Look at a specific group of patients based on conditions, risk factors, demographics or outcomes
- Identify trends and track interventions
- Answer specific clinical questions



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“If you can’t measure  
it, you can’t improve  
it”

Lord Kelvin, 1880



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## Measure Development – Academy History

- Created first eye care outcome measures
- Created Cataracts Measures Group, including PROs
- 30 measures covering subspecialties
- 58 eye and noneye related measures



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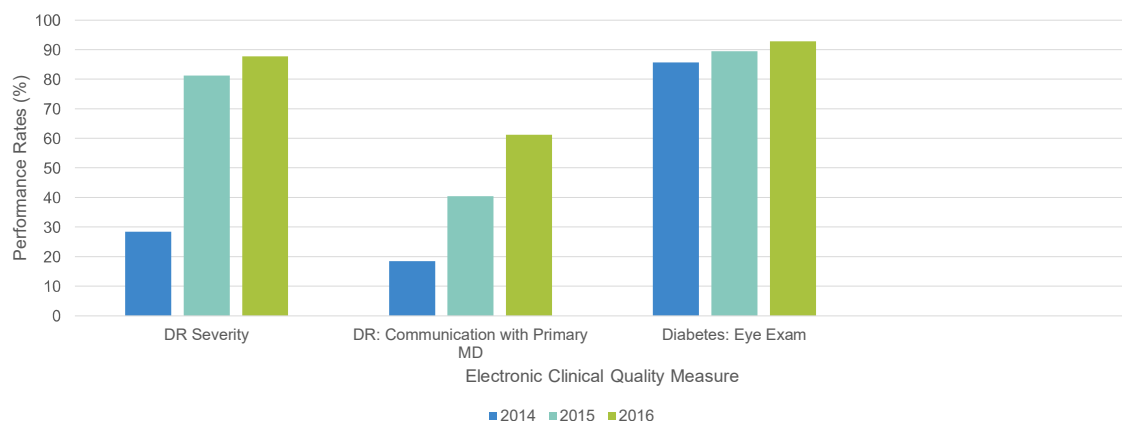
## Quality Improvement

- Does quality improve with **Actionable Feedback** and **Targeted Education** ?
- There is demonstrated improvement on quality measures over 3 years using the IRIS Registry
- *Rich W et al. Performance Rates Measured in the American Academy of Ophthalmology IRIS® Registry (Intelligent Research in Sight). Ophthalmology 2018*



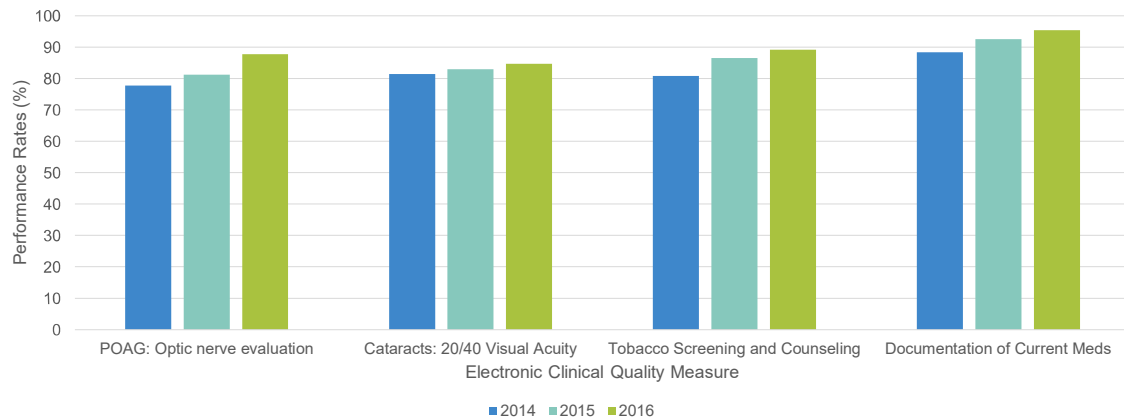
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## Measurement Leads to Improvement: Retina Measures



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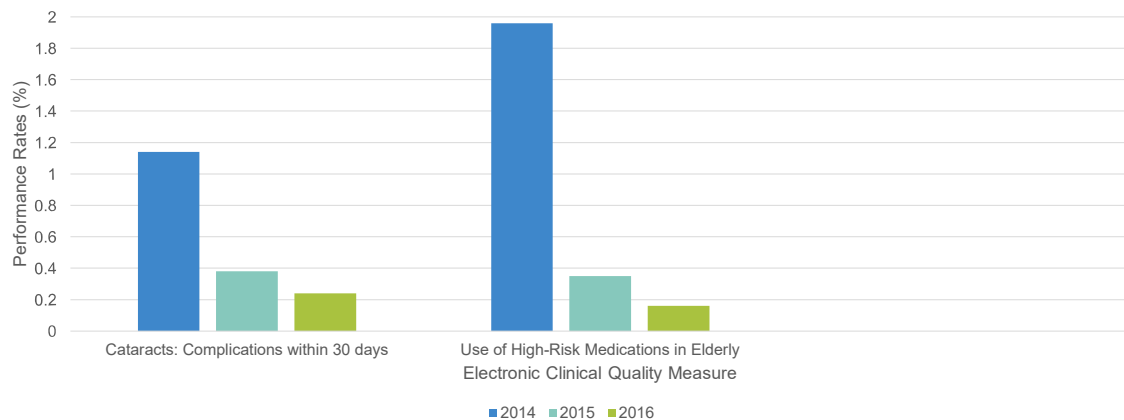
## Measurement Leads to Improvement: POAG, Cataracts, Tobacco, Medications



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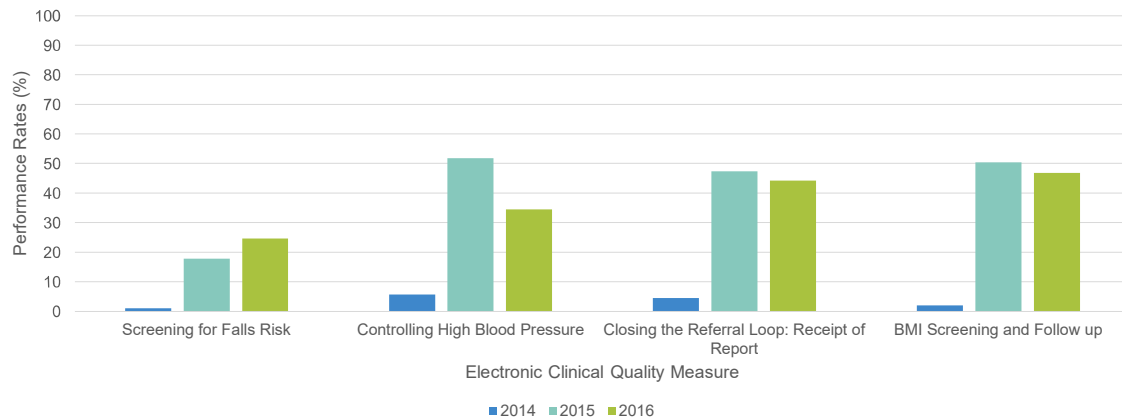
## Measurement Leads to Improvement: Cataract Complications, High-Risk Meds



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## Measurement Leads to Improvement: Falls Screening, Hi BP, Closing Referral, BMI



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## Quality Measures – EHR/IRIS Registry Integration

12: Primary Open-Angle Glaucoma (POAG): Optic Nerve Evaluation

19: Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care \*

110: Preventive Care and Screening: Influenza Immunization

111: Pneumococcal [Pneumonia] Vaccination Status for Older Adults

117: Diabetes: Eye Exam

128: Preventive Care and Screening: BMI Screening and Follow-Up Plan

130: Documentation of Current Medications in the Medical Record \* t/o



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Key: \* High Priority  
\*\* Outcome  
t/o Topped out

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## Quality Measures – EHR/IRIS Registry Integration cont.

191: Cataracts: 20/40 or Better Visual Acuity Within 90 Day Following Cataract Surgery \*\*

226: Preventive Care and Screening: Tobacco Use: Screening and Cessation Intervention

236: Controlling High Blood Pressure \*\*

238: Use of High-Risk Medications in the Elderly \* t/o

318: Falls: Screening for Future Fall Risk \*

374: Closing the Referral Loop: Receipt of Specialist Report \*



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Key: \* High Priority  
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\*\* Outcome  
t/o Topped out

## 2022 QCDR Measures

### Cataract: 3

- IRIS54\*\*: Complications after cataract surgery
- IRIS55\*\*: Visual Acuity Improvement Following Cataract Surgery and Minimally Invasive Glaucoma Surgery
- IRIS59\*\*: Regaining vision after cataract surgery

### Cornea: 2

- IRIS1\*\*: Endothelial Keratoplasty: Post-operative improvement in best corrected visual acuity to 20/40 or greater (better)
- IRIS38\*\*: Endothelial Keratoplasty: Dislocation requiring surgical intervention



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\*\* Outcome  
t/o Topped out

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## 2022 QCDR Measures cont.

### Glaucoma: 5

- IRIS2:\*\* Glaucoma - Intraocular pressure reduction *t/o* (max 5 points if not 100%)
- IRIS39:\*\* Intraocular pressure reduction following trabeculectomy or an aqueous shunt procedure
- IRIS43:\*\* Intraocular pressure reduction following laser trabeculoplasty
- IRIS44:\*\* Visual field progression
- IRIS60:\*\* Visual acuity improvement following cataract surgery combined with a trabeculectomy or an aqueous shunt procedure



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Key: \* High Priority  
\*\* Outcome  
*t/o* Topped out

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## 2022 QCDR Measures cont.

### Neuro-Ophthalmology: 2

- IRIS56:\*\* Adult Diplopia: Improvement of ocular deviation or absence of diplopia or functional improvement
- IRIS57:\*\* Idiopathic Intracranial Hypertension: Improvement of mean deviation or stability of mean deviation

### Oculoplastic: 1

- IRIS6:\*\* Acquired Involutional Entropion - Normalized lid position after surgical repair



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\*\* Outcome  
*t/o* Topped out

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## 2022 QCDR Measures cont.

### Pediatric Ophthalmology/Strabismus: 3

- IRIS48:\*\* Adult Surgical Esotropia: Postoperative alignment
- IRIS49:\*\* Surgical Pediatric Esotropia - Postoperative alignment
- IRIS50:\*\* Amblyopia - Interocular visual acuity after treatment

### Refractive Surgery: 2

- IRIS23:\*\* Refractive Surgery: Patients with postoperative improvement in uncorrected visual acuity of 20/20 or better within 30 days
- IRIS24:\*\* Refractive Surgery: Patients with postoperative correction within  $\pm 0.5$  Diopter of the intended correction



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\*\* Outcome  
t/o Topped out

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## 2022 QCDR Measures cont.

### Retina: 4

- IRIS13:\*\* Diabetic Macular Edema - Loss of visual acuity
- IRIS41:\*\* Improved visual acuity after epiretinal membrane treatment within 120 days
- IRIS46:\*\* Evidence of anatomic closure of macular hole within 90 days after surgery as documented by OCT
- IRIS58:\*\* Improved visual acuity after vitrectomy for complications of diabetic retinopathy within 120 days



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Key: \* High Priority  
\*\* Outcome  
t/o Topped out

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## 2022 QCDR Measures cont.

### Uveitis: 4

- IRIS17:\*\* Acute Anterior Uveitis: Post-treatment Grade 0 anterior chamber cells
- IRIS35:\*\* Improvement of macular edema in patients with uveitis
- IRIS51:\*\* Acute Anterior Uveitis - Post-treatment visual acuity
- IRIS53:\*\* Chronic Anterior Uveitis - Post-treatment visual acuity



Key: \* High Priority  
 \*\* Outcome  
 t/o Topped out

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## How to use the IRIS Registry



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# IRIS Registry Dashboard

- Provides views of performance
  - By physicians
  - By location
  - By practice as a whole
- Allows comparison to national benchmarks
- Ability to drill-down to see which patients didn't meet measure criteria



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## Quality Measures – EHR Dashboard

PRACTICE

CLINICIANS (67)

LOCATIONS (143)

ALL

Favorites

Practice selected measures

EXPORT ALL

IRIS Measure Set 2020

01-01-2020

09-14-2020

CHANGE

Updated on : Aug 17<sup>th</sup>, 2020 05:27

Data available till : Jul 14<sup>th</sup>, 2020

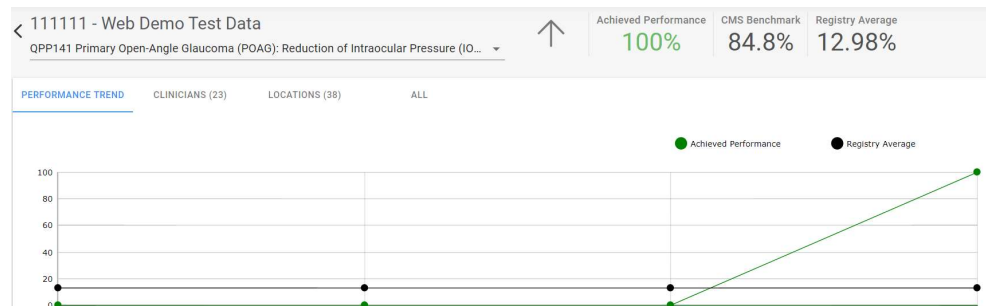
FAVORITE	ID	MEASURE	ACHIEVED PERFORMANCE						
	QPP 12	Primary Open-Angle Glaucoma (POAG): Optic Nerve Evaluation	①			<div><div></div><div>85.56%</div><div>86.91%</div></div> <div>76.26 %</div>		EXPORT	
	QPP 19	Diabetic Retinopathy: Communication with the Physician Managing ... Measure Verified	①			<div><div></div><div>84.31%</div><div>76.86%</div></div> <div>96.48 %</div>		EXPORT	
	QPP 110	Preventive Care and Screening: Influenza Immunization Measure Verified	①			<div><div></div><div>52.4%</div><div>39.64%</div></div> <div>81.91 %</div>		EXPORT	
	QPP 111	Pneumococcal Vaccination Status for Older Adults Measure Verified	①			<div><div></div><div>61.49%</div><div>49.64%</div></div> <div>90.01 %</div>		EXPORT	
	QPP 117	Diabetes: Eye Exam Measure Verified	①			<div><div></div><div>95.31%</div><div>55.49%</div></div> <div>96.79 %</div>		EXPORT	
	QPP 128	Preventive Care and Screening: Body Mass Index (BMI): Screening a...	①			<div><div></div><div>10.4%</div><div>47.59%</div></div> <div></div>		EXPORT	
	QPP 130	Documentation of Current Medications in the Medical Record Measure Verified	①			<div><div></div><div>93.98%</div><div>89.13%</div></div> <div>87.73 %</div>		EXPORT	
	QPP 191	Cataracts: 20/40 or Better Visual Acuity within 90 Days Following C... Measure Verified	①			<div><div></div><div>85.92%</div><div>88.65%</div></div> <div>81.59 %</div>		EXPORT	



## Quality Measures – EHR Dashboard

FAVORITE	ID	MEASURE	ACHIEVED PERFORMANCE	EXPORT
IRIS QCDR 50	Amblyopia: Interocular visual acuity ...	33.33%	18.64 %	EXPORT
IRIS QCDR 51	Acute Anterior Uveitis: Post-treatment visual acuity	89.84%		EXPORT
IRIS QCDR 52	Post-operative opioid management following ocul...	98.32%	0 %	EXPORT
IRIS QCDR 53	Chronic Anterior Uveitis: Post-treatment visual ac... Verification in Progress	86.69%	88.62 %	EXPORT
IRIS QCDR 54	Complications After Cataract Surgery Measure Verified	1.34%	0.71 %	EXPORT
IRIS QCDR 55	Visual Acuity Improvement Following Cataract Sur...		0 %	
IRIS QCDR 56	Adult Diplopia: Improvement of ocular deviation o... Verification in Progress	33.33%	17.24 %	EXPORT
IRIS QCDR 57	Idiopathic Intracranial Hypertension: Improvement...	33.33%	0 %	EXPORT
IRIS QCDR 58	Improved visual acuity after vitrectomy for compli...	50%		EXPORT
IRIS QCDR 59	Regaining Vision After Cataract Surgery ... Measure Verified		0 %	

## Quality Measures – EHR Dashboard



Practice : 111111-Web Demo Test Data

Measure : QPP141 Primary Open-Angle Glaucoma (POAG): Reduction of Intraocular Pressure (IOP) by 15% OR Documentation of a Plan of Care

Population : Denominator

2019Q1-Denominator-1

EXPORT ALL

FIRST NAME	MIDDLE NAME	LAST NAME	MRN	GENDER	DOB
Mickey		Mouse	MOUSEM1	M	11/18/1928

## Patients Not Meeting Measures

- Quickly drill down to patient list
- Review data fields in EHR during reporting period
- Correct workflow
- Work with IRIS to correct mapping issues



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## IRIS Registry – Request a Meeting



Understand measure and IRIS mapping



Demonstrate documentation in EHR



Review “not met” charts with client account manager



Corrective action may include

Improve practice hardware and interface with IRIS Registry  
 Internal process adjustments  
 Educating providers regarding measures  
 IRIS Registry may need to reload data or update mapping



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## Tips from Other IRIS Registry Practices

Involve staff members – front desk to ophthalmologists to improve quality

Each team member knows what is expected and their role

Break down your practice performance by clinician

Focus on 1 measure at a time to avoid overwhelming

Add questions or triggers to remind about collecting information, e.g., BMI, and smoking, and print patient educational materials,

Use checklists, e.g., run a report of referrals made to outside practices



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## IRIS Benefits to My Practice

Allows monitoring of MIPS measures

Shows areas needing improvement

Permits comparison/competition among partners

Demonstrates “quality” to hospital system for department use and insurance carriers without practice specific quality programs

Helps refine EHR template language maximizing measure compliance

Permits quarterly tracking of measure “success” and prepares for attestation



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## Conclusions

- Helps to think about documenting in a manner that conforms to CMS guidelines
- Decreases risk of incurring reimbursement penalties
- Permits demonstration of quality to hospital, health plan, third party payer, American Board of Ophthalmology



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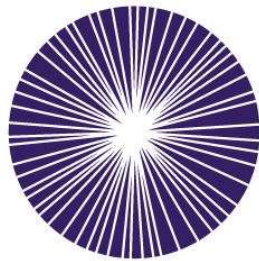
## Academy Member Resources

- Visit [www.aao.org/medicare](http://www.aao.org/medicare) to find resources for 2022 MIPS
- MIPS Help: [mips@aao.org](mailto:mips@aao.org)
- IRIS Registry general questions: [irisregistry@aao.org](mailto:irisregistry@aao.org)
- For help with your IRIS Registry dashboard: [aaocams@figmd.com](mailto:aaocams@figmd.com)



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