How Diagnostic Telemedicine Solutions Improve Eye Care Results Within The Diabetes Population

Speaker:

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Learning Objectives

- ▼ The Diabetes Eye Exam care gap
- ✓ How to use teleophthalmology for diabetic retinopathy screening at point of care
- √ The COVID-19 impact on patient care
- ✓ Review CPT reimbursement, HEDIS / Star measure improvement, and Risk Adjustment from using teleophthalmology



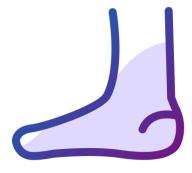
Diabetes in the U.S. – Over 30 Million patients¹



KIDNEY DISEASE



HEART DISEASE



LOSS OF TOES, FEET, OR LEGS



VISION LOSS



¹ Centers for Disease Control and Prevention website, "National Diabetes Statistics Report", Accessed December 12, 2019, https://www.cdc.gov/diabetes/data/statistics/statistics-report.html

Diabetic Retinopathy

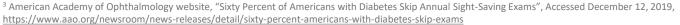
- Most common cause of vision loss among US adults⁴
- More than 2 in 5 Americans with diabetes have some stage of diabetic retinopathy¹
- No symptoms in the early stages of the disease¹
- 95% of vision loss can be prevented with early detection³
- Up to 50% of Americans with diabetes were not tested for Diabetic Retinopathy²

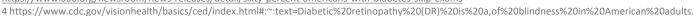




¹ National Eye Institute website, "Diabetic Retinopathy", Accessed December 12, 2019, https://www.nei.nih.gov/learn-about-eye-health/eye-conditions-and-diseases/diabetic-retinopathy

² Lee DJ, Kumar N, Feuer WJ, et al. Dilated eye examination screening guideline compliance among patients with diabetes without a diabetic retinopathy diagnosis: the role of geographic access. BMJ Open Diabetes Research and Care 2014;2:e000031.doi:10.1136/bmjdrc-2014-000031







Diabetes Eye Exam Care Gap

Primary Care Physician Eye Care Specialist Specialist returns report which closes HEDIS measure 60% 40 % Impact of a Care Gap Reasons for Care Gaps

- 1) Patient compliance
- 2) Scheduling
- 3) Transportation
- 4) No symptoms
- 5) Financial Concerns

- 1) Patient outcomes
- 2) CPT Reimbursement
- 3) HEDIS/ Star Measures
- 4) Risk Adjustment



Diabetes Eye Exam Care Gap

Medicare Shared Savings Program







Health for **Populations.**



Growth in **Expenditures.**



- ACO-41: Diabetes: Eye Exam
- 2018 Performance data average
- •52%

- C13: Diabetes Care Eye Exam
- 2018 Report Card Average
- •72%



COVID-19 Impact on Patient Care

- In March 2020, U.S. Centers for Disease Control and Prevention advised physicians to prioritize urgent and emergency visits and procedures and postpone routine visits, such as eyecare visits¹
- This had a negative impact on diabetics and diabetic retinopathy
 - Study conducted in patients with diabetic macular edema received only 15% of intravitreal injections between March and May 2020²
 - By contrast, 75% of injections were administered to treat age-related macular degeneration²



Impact of Undiagnosed Diabetic Retinopathy

- Negatively impacts patient outcomes¹
- Diabetic retinopathy at later stages reduces a patient's quality of life¹
- Later stage retinopathy increases utilization costs
- Requires urgent medical treatments upon diagnosis
 - Injection Eye Drug \$300
 - Fluorescein ICG Angiography \$650
 - Ocular Photo Dynamic Therapy \$1,200
 - Injection, verteporfin, 0.1 \$2,700
- Treatment costs can exceed \$10,000 annually²



¹ Kamran, Jannat & Jafroudi, Shirin & Leili, Ehsan & Chafjiri, Sedighi & Paryad, Ezat. (2017). Quality of Life in Patients with Diabetic Retinopathy. Journal of Holistic Nursing and Midwifery. 27. 69-77. 10.18869/acadpub.hnmj.27.1.69.

² https://www.jmcp.org/doi/pdf/10.18553/jmcp.2020.19245

Point-of-Care Testing











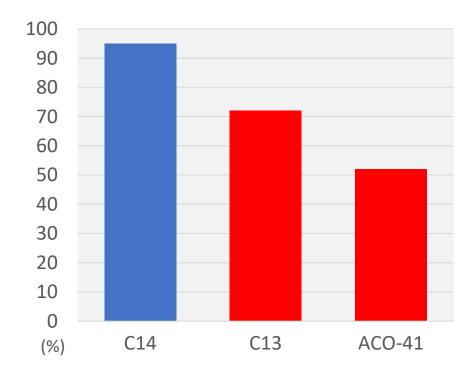
Improving Access to Care

C14: Diabetes Care – Kidney Disease Monitoring

95%

of Medicare Advantage plan members with diabetes had a kidney function test in 2018

Screening for Complications





Diabetic Retinopathy Screening at Point of Care

Indian Health Service-Joslin Vision Network (IHS-JVN)¹

- Established in 2000 to use telemedicine technology to provide high quality, cost-effective, annual diabetic eye exams
- This program has significantly contributed to a decrease in diabetes related vision loss and blindness

Veterans Administration²

- Reliably determined the level of diabetic retinopathy
- Opportunity to engage with patients
- Patients' responses to non-mydriatic teleretinal imaging are universally positive

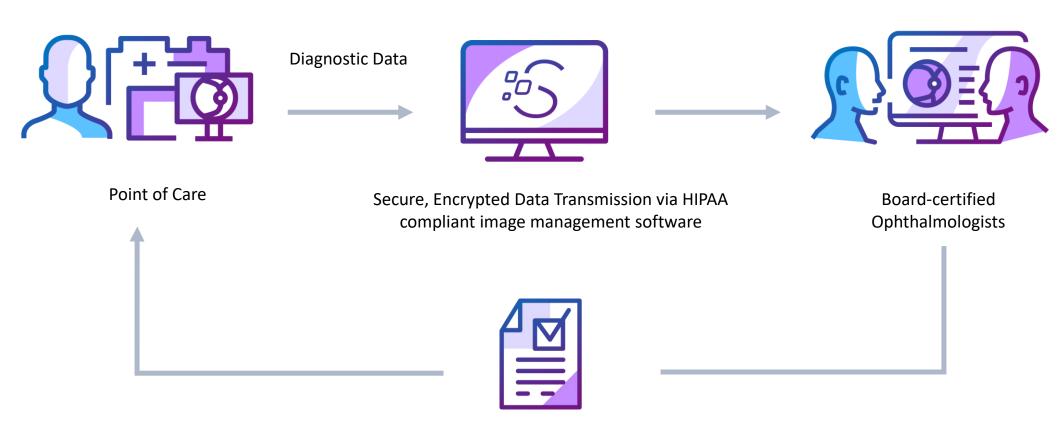


Crozer-Keystone Health System

- Partnered with Vantage EyeCare and Topcon Healthcare to screen patients at point of care
- Placed Topcon TRC-NW400 tabletop retinal camera in two primary care practices
 - Of the first 80 patients screened, 30 (nearly 37%) had abnormal studies
- Benefits
 - Gives patients the opportunity to get screened in their offices during primary care visits
 - Provides quality, convenience and value for the patients
- This is an effective front-line defense against diabetic retinopathy
- www.crozerkeystone.org



Topcon Screening Workflow



Interpretation reports returned to practice within 24 hours



Solutions for Non-mydriatic Retinal Cameras

SIGNAL Handheld Camera:

- Portable
- Technique driven
- Wi-Fi enabled



TRC-NW400 Tabletop Camera:

- Robotic camera automatically captures both eyes
- Completed screen in under 2 min





Reimbursement for Fundus Photography

 Fundus Photography is considered medically necessary for patients with diabetes by most payers

Primary Care Practice will submit the global CPT code

92250 - Medicare allowable \$39.78

92228 - Medicare allowable \$31.06

- Practice will submit a CPT II code that meets the HEDIS specifications
 - Indicates services were performed by a qualified vision provider
 - Documents closure of the Diabetes Eye Exam
- Must include an ICD 10 that supports a diagnosis of diabetes



Financial Impact to the Practice

- One HEDIS quality measure can be worth \$17 million to a plan with just 100,000 members.¹
- The two largest Medicare Advantage plans by enrollment have \$5.6 billion in bonus money on the table in 2021.²
- 81% of Medicare Advantage enrollees are plans that receive a bonus payment from Medicare on star quality ratings.²
- The bonus pool from the federal government to Medicare Advantage insurers has quadrupled from \$3.1 billion in 2015 to \$11.6 billion in 2021.²
- Achieving a 4.75 and above Star rating can be worth as much as \$100 PMPY



¹ https://carenational.com/how-do-hedis-scores-affect-health-plan-reimbursement/.

 $^{^2\,}https://www.kff.org/medicare/issue-brief/medicare-advantage-in-2021-star-ratings-and-bonuses/$

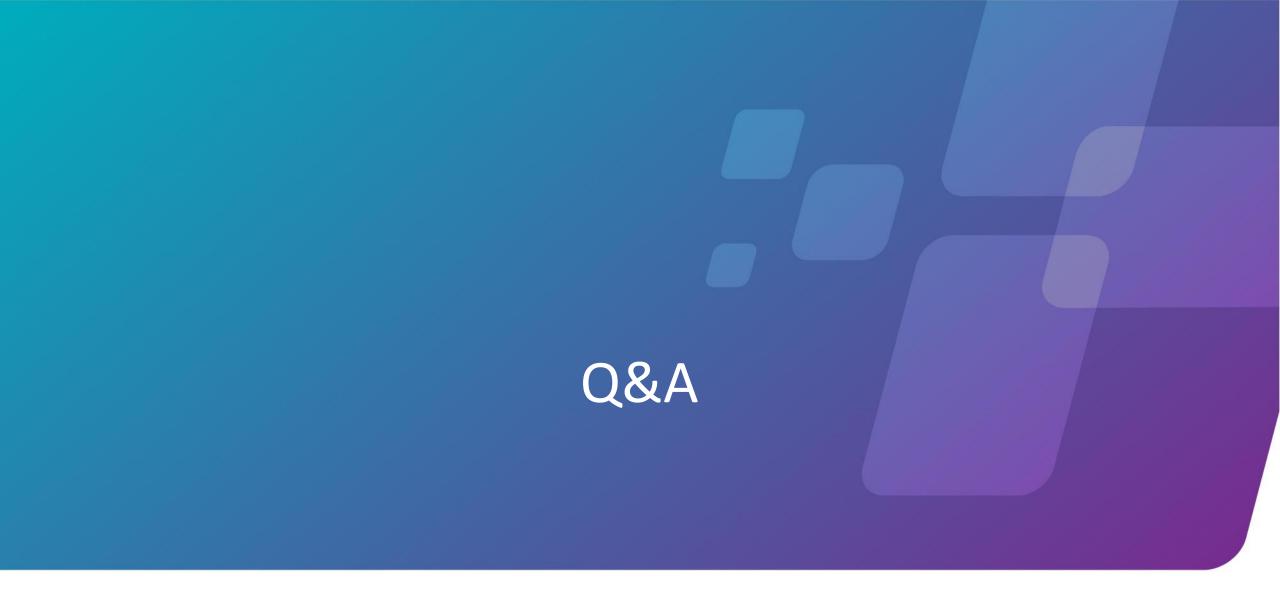
Topcon Screen Solution

Fundus Camera	Diagnostic Report
 Option to Purchase 	 Per patient exam fee
 Option to Lease 	 NO Software fees
 Zero Capital Option 	 NO training fees

Success Begins with our Onboarding Program:

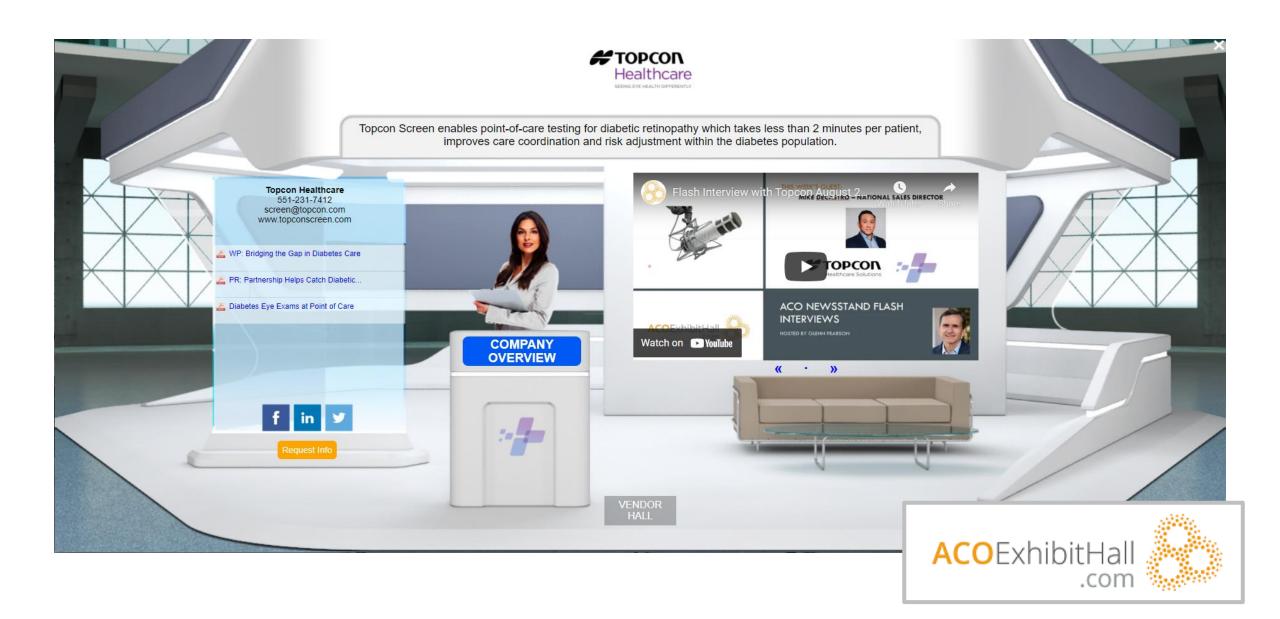
- Determine workflow
- Determine reimbursement
- No risk for denied claim during first 90 days







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Thank you

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SEEING EYE HEALTH DIFFERENTLY

