IRIS® Clinical Data Registry
American Academy of Ophthalmology

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IRIS: History and Scope:
lunched Jan 2014; FIGmd software vendor

**Contracted**
- 17,877 physicians from 5,195 practices

**Contracted for EHR Integration**
- 14,221 physicians from 2,903 practices

**Number of patient visits**
- 200 million, representing 48 million patients
IRIS Registry: Accomplishments

• Quality Reporting: 11,612 providers for 2016; 0% error rate
  o About 14,000 for 2017

• Data Analytics: performed in-house by registry staff

• Publications: 11 peer-reviewed papers in last 18 months

• Quality Improvement:

• Commercialization:
  o Licensed to DigiSight Technologies November 2017

![Graph showing performance rates for Cataracts and Use of High-Risk Medications in Elderly]
IRIS Registry—A Current Challenge: Managing Scientific Investigation

• Lots of enthusiasm by investigators for use of IRIS data in clinical real-world, large dataset investigation.
  o Natural history; disease prevalence; characterization of patient populations; practice patterns; clinical outcomes; risk factors; etc

• Lots of enthusiasm by traditional and nontraditional funding sources:
  o NIH; nonprofit vision research philanthropies; subspecialty societies; academic institutions
  o Academy and Academy members

• Need to set and implement standards and processes for proposal review, approval and prioritization; investigator qualification; data access (multiple approaches); funding requirements; project outcomes review; authorship; publication; and more
IRIS Registry Innovation to Share: Approach to Commercialization

• IRIS was initiated as a quality of care improvement tool; remains its primary purpose

• Secondary purposes are quality reporting and generation of new science

• Ongoing problems: funding, data curation/integrity, analytic platforms/tools, integration of new data sets

• Commercialization can provide funds and expertise to address these problems

• Licensed commercialization to DigiSight Technologies after partner search
  o Agreement protects and enhances noncommercial activities
  o Project fully funded; already successful in commercial space