

# Compulink Meets All American Academy of Ophthalmology's Special EHR Requirements

The table below outlines how Ophthalmology Advantage, Compulink's ONC Certified EHR/Practice Management solution, meets the special EHR requirement recommendations issued on August 2011 by the American Academy of Ophthalmology's Medical Information Technology Committee.

Special requirements for electronic health record systems (EHRs) in ophthalmology. Certification by the Office of the National Coordinator for "meaningful use" as an EHR system is a given essential. Items are classified either as "Essential" for current systems or as "Desirable" for current systems and essential for future systems.<sup>1</sup>

FUNCTION	ESSENTIAL	DESIRABLE	<b>ophthalmology</b> <b>ADVANTAGE™</b>
<b>Clinical Documentation</b> Enable entry & storage of all ophthalmology-specific data required to support AAO Preferred Practice Patterns™	X		Yes. Advantage offers templates specific to ophthalmology including visual acuities, ocular pressure, retina findings and much more.
Organize ophthalmology-specific elements separately (e.g., past ocular history, ocular medications)	X		Yes, Advantage supports a specific list of questions for past ocular history that maps directly to our web registrations module. Ophthalmic drugs are displayed separately from systemic medications.
Conform or map to vendor-neutral standard terminologies (e.g., SNOMED CT, ICD) to represent Problem Lists	X		Yes, Advantage supports ICD now and will be offering SNOMED in the near future.
Conform or map to RxNorm to represent Medications	X		Yes, RxNorm is automatically mapped for all medications utilizing our E-Prescribe feature.
Conform or map to vendor-neutral standard terminologies (e.g., SNOMED CT) to represent:			
Diagnoses and procedures	X		Yes, Advantage supports ICD and CPT diagnoses and procedures.
Allergies and clinical findings		X	Yes, Advantage supports RxNorm for allergies and clinical findings.
Enable physicians and technicians to keep multiple records open simultaneously and securely in different rooms, with easy re-authentication	X		Yes, with Advantage, multiple records can stay open until sign off.
Provide tools for incorporating color drawing, including ocular templates	X		Yes. Advantage supports drawings - can be free hand drawings and images. Both can be layered onto background templates of the eye to represent pre-defined findings.
Analyze clinical workflow before and after EHR implementation	X		Yes, this is a critical aspect of EVERY Advantage implementation.
Exchange full set of ophthalmic clinical data with EHRs from other vendors		X	Yes, utilizing HL7 standards.
Link clinical documentation to billing and charge capture and integrate with practice management		X	Yes, all fees captured in the exam room can be automatically posted to the patient's financial ledger. Compulink provides a single solution which supports both clinical documentation and practice management.

FUNCTION	ESSENTIAL	DESIRABLE	<b>ophthalmology ADVANTAGE™</b>
Allow physician to easily review patient information before entering room		X	Yes, physicians can review patient data on workstations located outside of the exam room or on tablets prior to the patient encounter.
<b>Ophthalmic Vital Signs and Laboratory Studies</b> Record visual acuity and refractive discrete elements in accordance with DICOM Supplement 130	X		Yes, documentation is available as discreet fields for visual acuity, refraction and contact lens parameters. DICOM is available for equipment integration with vendors who support DICOM.
Record intraocular pressure (IOP) as a discrete data element	X		Yes, as well as target IOP
Display and graph visual acuity and IOP over time	X		Yes, along with medications, CD ratio and visual acuity.
<b>Medical and Surgical Management</b> Electronically associate all pre-op, operative, and post-op documents	X		Yes, depending on practice, the documents may be available as templates in the system or documents generated by other facilities may be scanned as an attachment for the patient.
Support documentation of office-based and operating room procedures	X		Yes, an operative note table exists in the system which may be modified to expedite documentation.
Allow physician to generate operative report at time of surgery		X	Yes, if the surgery is performed in the office or in an ASC utilizing Compulink's software.
<b>Ophthalmic Measurement and Imaging Devices</b> Conform to vendor-neutral standards (e.g., DICOM) for receipt and representation of data from all ophthalmic instruments and devices	X		Yes, DICOM standards are utilized for instruments where it is provided. Compulink provides integration to over 150 unique ophthalmic instruments.
Conform to vendor-neutral standards and profiles for ordering ophthalmic imaging and measurement studies (e.g., DICOM Modality Worklist and IHE Eye Care Workflow)	X		Yes, where applicable.
Document completion and interpretation of ophthalmic imaging and measurement studies	X		Yes, all open orders are tracked as well as documentation of when items are completed.
Request, retrieve, display, and communicate all imaging and measurement data generated by ophthalmic instruments in a standard vendor-neutral format (e.g., DICOM)	X		Yes, where available for the instrument
Manage all ophthalmic imaging data in vendor-neutral format (e.g., DICOM), or provide tight integration with external PACS in vendor-neutral format		X	Yes, Compulink offers a DICOM image viewer to display images that are both DICOM and other formats. All images will be converted to the DICOM format later this year.

1. *Special Requirements for Electronic Health Record Systems in Ophthalmology published in August 2011 issue of the journal Ophthalmology.*