

## **Survey re: Readiness for Service-oriented Architectures for EHR Vendors at HIMSS v3**

The goal of this readiness assessment is to help Clinical Decision Support (CDS) Consortium researchers understand the ability of EHR vendors to INTEGRATE or CONSUME external, internet-based services (i.e., external applications that are accessed by another program over the internet) into their EHR products, their ability to CREATE a Continuity of Care Document (CCD) and how that response would be displayed to cliniciansend-users.

1. How well are your Clinical Decision Support (CDS) currentcapabilitiesand future development strategiesaligned with the service-oriented architecture paradigm?
2. Can your EHR product make real-time web-service calls from within your application?
3. Have any of your client's begun using the ONC-required, continuity of care document (CCD) standard to exchange clinical data?
4. What standard vocabularies does your EHR product support for the exchange ofclinical problems (e.g., SNOMED), procedures (e.g., CPT-4 or LOINC), medications (e.g., RxNorm), allergies (e.g., SNOMED), laboratory results (e.g., LOINC) and vital signs (e.g., LOINC)?
5. Do you have any estimates on whether your clientsare reliably entering coded data into their EMRs using the necessary vocabularies?
6. What types of clinical decision support does your EMR provide?
  - a. How many different points in the clinical work-flow can your application surface clinical recommendations (e.g. suggestions to prescribe a particular medication or order a particular test for a patient)?
  - b. Do your clients have the capability to make these suggestions actionable (e.g., provide an option for the user to initiate the suggested action directly from the suggestion screen)?
7. Do you provide Clinical Knowledge Management tools to help your clients create and maintain their clinical content?
8. What sort of clinically-trained informatics staff do you have to help your clients create and maintain their clinical content?

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