

High Level Functions (2,6)	Functions (2,6)	Electronic Health Record (EHR)	Registry	Care Management
		"EHR might include a detailed clinical documentation function; prescription ordering and management capabilities; a secure messaging system; lab and test result reporting functions; evidence-based health guidelines; secure patient access to health records; a public health reporting and tracking system; mapping to clinical and standard code sets and the ability to interface with leading practice management software." (1)	A computerized disease registry is "a computer application for capturing, managing, and providing access to condition-specific information for a list of patients to support the chronic condition(s) of interest." (3,4)	A systematic approach to managing health care; a "process, which assesses, plans, implements, coordinates, monitors and evaluates options and services to meet an individual's health needs" (5)
Direct care "enable hands-on delivery of healthcare and offer clinical-decision support" (2)	Care Management	XXX	X	X
	Clinical Decision Support	XXX	X	X
	Operations Management and Communications	XXX	X	X
Supportive "assist with administrative and financial requirements associated with the delivery of healthcare" (2)	Clinical Support	XXX	X	X
	Measurement, Analysis, Research, Reporting	XXX	X	X
	Administrative and Financial	XXX		
Information Infrastructure "Provide a framework for the proper operation of the Direct-care and Supportive EHR functions" (2)	EHR Security	XXX	X	
	EHR Information and Records Management	XXX	X	
	Unique Identity, Registry, and Directory Services	XXX	X	
	Support for Health Informatics & Terminology Standards	XXX		
	Interoperability	XXX	X	
	Manage Business Rules	XXX		
	Workflow	XXX		

* Registries and Care management Tools may be conceptualized as subsets of EHR functions that provide aspects of population and care management.

1. Electronic Health record (EHR) Definition. <http://www.doqit.org/doqit/jsp/index.jsp?main=../includes/glossary.html> 2. HL7 EHR System Functional Model-Draft Standards for Trial Use. Standard overview. March, 2004. 3. DocSite. Why registries. Registry definition from Jane Metzger, Research Director, First Consulting Group. Available at: <http://www.docsite.com/whyReg.htm>. Accessed on 11/21/2003. 4. Metzger, J. Using computerized registries in Chronic disease care. Prepared for California HealthCare Foundation. Prepared by First Consulting Group. February 2004. Available at: <http://www.chcf.org/documents/chronicdisease/ComputerizedRegistriesInChronicDisease.pdf> 5. Care management definition. Available at: https://www.oxhp.com/press/glossary_of_terms.html. 6. HL7 EHR-S Functional Model. Available at: <http://www.hl7.org/library/committees/ehr/HL7%5FEHR%2DS%5FFunctional%5FModel%2Epdf>

X: Functionality restricted to single or limited set of diseases and/or limited scope of records management. XXX: Provides functional capabilities for multiple diseases.

EHR, Registries, and Care Management Core Functions* - Low Level

High Level Functions (2,6)	Functions (2,6)	Electronic Health Record (EHR)	Registry	Care Management
	Direct Care			
Direct care “enable hands-on delivery of healthcare and offer clinical-decision support” (2)	Care Management	XXX	X	X
	Health information capture, management, and review	XXX	X	X
	Care Planning, guidelines and protocols	XXX	X	X
	Medication ordering and management	XXX	X	X
	Orders, referrals, and results management	XXX	X	X
	Consents and authorizations	XXX	X	X
	Clinical Decision Support	XXX		
	Health information capture and review	XXX	X	X
	Care planning, guidelines and protocols	XXX	X	X
	Medications and medication management	XXX	X	X
	Orders, referrals, results and care management	XXX	X	X
	Support for Health Maintenance: Preventive Care and Wellness	XXX	X	X
	Support for population health	XXX	X	X
	Support for knowledge access	XXX	X	X
	Operations Management and Communication	XXX		
	Clinical Workflow Tasking	XXX		X
	Clinical Communication	XXX	X	X

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High Level Functions (2,6)	Functions (2,6)	Electronic Health Record (EHR)	Registry	Care Management
	Supportive			
Supportive "assist with administrative and financial requirements associated with the delivery of healthcare" (2)	Clinical Support	XXX	X	X
	Notifiable Registries	XXX	X	X
	Donor management support	XXX	X	X
	Provider directory	XXX	X	X
	Patient directory	XXX	X	X
	De-Identified data request management	XXX	X	X
	Scheduling	XXX		
	Healthcare resource availability	XXX		
	Measurement, Analysis, Research and Reports	XXX		
	Measurement, monitoring, and analysis	XXX	X	X
	Report Generation	XXX	X	X
	Administrative and Financial	XXX		
	Encounter/episode of care management	XXX		
	Information access for supplemental use	XXX		
	Administrative transaction processing	XXX		
	Manage Practitioner/Patient relationships	XXX		
	Subject to subject relationship	XXX		
Acuity and severity	XXX			
Maintenance of supportive functions	XXX			
	Information Infrastructure			
Information Infrastructure "Provide a framework for the proper operation of the Direct-care and Supportive EHR functions" (2)	EHR Security	XXX	X	
	Entity Authentication	XXX	X	
	Entity Authorization	XXX		
	Entity access control	XXX	X	
	Patient access management	XXX		
	Non-repudiation	XXX		
	Secure data exchange	XXX		
	Secure data routing	XXX		
	Document attestation	XXX		
	Enforcement of confidentiality	XXX	X	X

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Information Infrastructure “Provide a framework for the proper operation of the Direct-care and Supportive EHR functions” (2)	EHR Information Management and Record Management	XXX		
	Data retention and availability	XXX	X	
	Audit trail	XXX	X	
	Synchronization	XXX		
	Extraction of health record information	XXX	X	
	Unique Identity, Registry, and Directory Services	XXX		
	Distributed registry access	XXX	X	
	Support for Health Informatics and Terminology Standards	XXX		
	Maintenance and versioning of health informatics and terminology standards	XXX		
	Mapping local terminology, codes, and formats	XXX		
	Interoperability	XXX		
	Interchange standards	XXX	X	
	Application integration standards	XXX		
	Interchange agreements	XXX		
	Manage Business Rules	XXX		
	Workflow	XXX		

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