

# EMR Feature Checklist 1.0

Product Name: \_\_\_\_\_

Company: \_\_\_\_\_

Evaluation Date: \_\_\_\_\_

<b>Chart Features</b>	<b>Present/ Absent</b>	<b>Essential?</b>	<b>Point Value (quality if present)</b>
<b>Medication Features</b>			
Medication list			
Long-term			
Per episode			
Active/inactive			
<i>Failed after trial</i>			
Allergy list			
Automatic allergy warning			
Prescription writer			
<i>e-mail or FAX to pharmacy</i>			
maintains Rx history			
<i>Maintains formulary information</i>			
<i>by insurance plan</i>			
Drug interactions			
multiple drug-drug			
<i>Practitioner specific medication list</i>			
<i>Drug information</i>			
<i>side effects</i>			
<i>adverse reactions</i>			
<i>overdose</i>			
<i>dosages</i>			
<i>forms supplied</i> Reports by			
Patient			
Medication			
Provider			
<b>Laboratory/X-ray/Pathology Features</b>			
Maintains test history			
By Patient			
By Provider			
<i>Permits automatic data download from</i>			

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Evaluating EMR Product Features

<i>outside facilities</i>			
<i>Permits uploading of orders to other facilities (ex: lab orders)</i>			
Maintains profile of available tests and indications			
Flags abnormal results			
Permits tracking of abnormal lab follow up			
<i>Permits creation of panels</i>			
<i>Disease specific</i>			
<i>Patient specific</i>			
<i>Population specific</i>			
Alerts for redundant testing			
<i>Guideline aware[?] order entry</i>			
Reports by			
Patient			
Test			
Provider			
<b>Telephone Call Features</b>			
Maintains call history			
Patient			
<i>Site</i>			
<i>Provider</i>			
<i>Number called from</i>			
<i>Automatic dialing</i>			
<i>Captures call reason&amp;action taken</i>			
<i>Provides alerts and reminders for required follow up</i>			
Report by			
Patient			
Provider			
Call reason			
Call action			
<b>Diagnosis Features</b>			
Problem list			
Long-term			
Per episode			
<i>Guideline-based advice</i>			
<i>Access to knowledge resources</i>			
<i>Internet</i>			

<i>Practice Guidelines</i>			
Report by			
Patient			
Provider			
Diagnosis			
<b>Referral Features</b>			
Maintains list of referral sites/Providers by			
Specialty			
Reason for referral			
Location			
Maintains referral history			
Patient			
<i>Provider</i>			
<i>Site</i>			
<i>Reason/Diagnosis</i>			
Maintains list of approved providers/sites by			
<i>Insurance plan</i>			
<i>Provider preference</i>			
Report by			
Patient			
Provider			
Reason/Diagnosis			
Referral Site/Provider			
<i>Reports by email</i>			
<i>Store and forward for images</i>			
<b>Preventive Medicine Features</b>			
Maintains patient intervention history			
<i>Permits design of intervention protocols by</i>			
<i>Sex</i>			
<i>Age</i>			
<i>Disease state</i>			
<i>Insurance Plan</i>			
<i>Permits guideline-based protocols</i>			
<i>Provides user-defined alerts</i>			
Report by			
Patient population			
Patient			

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Evaluating EMR Product Features

Provider			
Diagnosis			
Protocol			
<i>Health Status reports</i>			
<i>SF-36</i>			
<b>Clinical Encounter</b>			
Progress note			
Plain text			
<i>Encoded and searchable</i>			
<i>Vital signs</i>			
<i>Clinical findings</i>			
E&M Templates			
<i>Defined by end-user</i>			
<i>Specialty specific</i>			
<i>Disease-based guidelines/protocols</i>			
<i>Defined by end-user</i>			
<i>Specialty specific</i>			
<b>Patient Education Features</b>			
User definable			
Preloaded			
Updated regularly (quarterly)			
<i>Web access to educational materials</i>			
<b>Analysis and Managed Care</b>			
<b>Managed Care Features</b>			
Provider profiles			
Medications			
Labs			
Referrals			
Preventive health			
Site Profiles			
Medications			
Labs			
Referrals			
Preventive health			
<i>Outcomes by</i>			
<i>Guideline/Protocol</i>			
<i>Provider</i>			
<i>Disease</i>			

<i>Site</i>			
<i>Pre-defined reports</i>			
<i>HEDIS</i>			
<i>JCAHO</i>			
<i>Cost Analysis</i>			
<i>Medications</i>			
<i>Labs</i>			
<i>Disease</i>			
<i>Protocols</i>			
<i>Referral</i>			
<i>Patient</i>			
<i>Provider</i>			
<b>Communications and Infrastructure</b>			
<b>Communications</b>			
Remote access			
FAX support or linkage			
Word processor support or linkage			
Spreadsheet support or linkage			
<i>Provides e-mail support or linkage</i>			
<i>Internet</i>			
<i>Web-enabled version</i>			
<b>Decision support</b>			
<i>Statistical Analysis (internal)</i>			
<i>Knowledge Resources (access from within EMR)</i>			
<i>MEDLINE</i>			
<i>Internet Resources</i>			
<i>Electronic textbooks</i>			
<b>Data Storage and File Formats</b>			
<i>Permits Data Export</i>			
ASCII			
<i>Support for Clinical Data Repository</i>			
<i>Data Warehouse</i>			
<i>Statistical Analysis packages</i>			
<i>Permits Data Import</i>			
ASCII			
<i>Relational Database files</i>			

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<i>Application Programming Interface</i>			
Supports varied data formats			
<i>Sound</i>			
<i>Video</i>			
Graphics			
File Formats Supported			
Proprietary			
Commercial Standard (Oracle, Sybase, etc.)			
ASCII			
<b>Standards Supported</b>			
<i>HL-7</i>			
<i>CORBA</i>			
SNOMED			
ICD			
CPT			
<i>MEDCIN</i>			
<i>READ Codes</i>			
<i>LOINC for lab data</i>			
<b>Interface Options</b>			
<i>Pen</i>			
<i>Voice</i>			
Keyboard			
Graphical			
User modifiable			
<b>Security Features</b>			
Audit trail			
Permits audit trail analysis			
Automatic activation			
Passwords			
Text/Numeric			
<i>Biometric</i>			
<i>Face</i>			
<i>Voice</i>			
<i>Fingerprint</i>			
Multiple levels by user type			

Data validation			
Back-up process			
<i>Encryption</i>			
<b>Operating Systems</b>			
Unix			
Macintosh			
Windows 95/98			
Windows NT			
Novell			
Internet Based			
Client/Server			
Number of Tiers			
<b>Technology</b>			
Database			
Relational			
<i>Object</i>			
<i>Multi-dimensional</i>			
SQL support			

Total desired features present \_\_\_\_\_

Total Number of essential features \_\_\_\_\_

Total quality points \_\_\_\_\_

Evaluation Computation suggestion:

Step 1: Narrow product field to no more than 4 packages

Step 2: Add up " Total desired features present". Eliminate low ranking products.

Step 3: Add up " Total Number of essential features". Eliminate Low ranking products.

Step 4: For all remaining products determine the quality of the implementation for all features in each product. The winning products will then be candidates for more in-depth demonstrations and site visits.

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