

APPENDIX C

Assessment Tool for Selecting an E-Prescribing System (With Sample Data)

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E-Prescribing High-Level System Priorities

Step 1: Within each system classification assign your level of importance to each category with respect to your e-prescribing decision priorities. Use the 1–5 scale (1 = very unimportant, 2 = somewhat unimportant, 3 = average importance, 4 = somewhat important, 5 = very important).

Step 2: Assign the relative weight from the table below that corresponds to the assigned level of importance.

Level of Importance	1	2	3	4	5
Relative Weight	0.025	0.075	0.2	0.3	0.4

System Classification

System Capabilities	Level of Importance	Relative Weight
User/Process Functionality	5	0.4
Technical Functionality	4	0.3
Interfaces	4	0.3

Security		
	5	0.4

Reporting		
	3	0.2

Regulatory Compliance		
	3	0.2

Scalability		
	4	0.3

Portability		
	4	0.3

Extensibility		
	2	0.075

Implementation Requirements		
	Level of Importance	Relative Weight
Hardware & Infrastructure		
	4	0.3

Installation Experience		
	3	0.2

Technical Expertise		
	3	0.2

Staff Augmentation		
	3	0.2

Program Management		
	3	0.2

Education & Training		
	4	0.3

Operational Requirements		
	Level of Importance	Relative Weight
System Administration & Maintenance		
	4	0.3

Downtime / Recovery		
	3	0.2

Ongoing Education & Training		
	5	0.4

Vendor Post Sales Support		
	Level of Importance	Relative Weight
Vendor Maintenance & Service		
	3	0.2

Decision Economics		
	Level of Importance	Relative Weight
Financial Analysis		
	3	0.2

Strategic Investment & Platform Reuse		
	2	0.075

Go to Detailed Attribute Scores

E-Prescribing Detailed Attribute Scores

Step 1: Identify the e-prescribing system alternatives you want to consider.

Step 2: Using a 1–5 scale (1 = non-existent, 2 = poor, 3 = fair, 4 = good, 5 = excellent) rate ability of each e-prescribing alternative to meet the attribute.

Step 3: Enter the price for each e-prescribing alternative.

Step 4: View the results of your e-prescribing assessment; go to **E-Prescribing Score**.

System Capabilities	E-Prescribing System Alternatives					
	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
User/Process Functionality						
Attribute	System Attribute Capability Rating					
System provides a scheduling module	5	1	3	1	1	5
System provides a charge capture module	1	1	1	1	1	5
System provides diagnosis with prescription	3	5	3	3	3	3
System supports patient medication histories	5	5	5	5	5	1
System contains patient demographic data	3	3	3	3	3	3
System allows for creation of favorite sigs list	5	5	5	5	5	5
System provides drug-drug interaction testing	5	5	5	5	5	5
System provides drug-allergy checking	3	3	3	3	3	3

System provides for creation of favorite meds list	5	5	5	5	5	5
System checks prescription eligibility against HMO, PBM, etc	5	4	3	5	3	4
System suggests alternate meds as necessary due to clinical and eligibility needs	5	5	5	5	5	5
System provides pharmacy look up	5	5	5	5	5	5
System supports printing from portable device (PDA can limit)	5	5	5	5	5	5
System allows patients to view medication histories online	1	2	1	1	1	2
System allows addition of new patients individually	3	3	4	3	3	3
System provides duplicate therapy checking	5	1	1	1	5	5
System allows sigs to be associated with meds	5	5	5	5	5	5
System allows demographic information capture during order entry	5	5	5	3	5	3
System provides space for creation of complex sigs	5	5	5	5	5	5
System allows creation/printing of customized patient information leaflets	1	1	2	5	4	3
System prompts prescriber of medications with special monitoring parameters	5	1	1	1	1	1
System can check OTCs for clinical issues	5	5	5	5	5	5
System provides drug-pregnancy/lactation checking	5	1	5	5	2	5
System provides drug-geriatric dose checking	1	5	5	5	2	2
System allows roles-based profiles (staff can create prescriptions)	5	5	5	5	5	5
System provides drug-pediatric dose checking	1	5	5	2	2	2
System supports modifying a prescription prior to sending without creating a completely new prescription	5	5	5	5	5	5
System links to external DSS tools	3	4	1	5	-	-
System can send prescription to 2 locations (mail order and local)	1	5	5	-	1	-
	Category Attribute Rank Totals					
	111	110	111	107	100	105

Technical Functionality						
Attribute	System Attribute Capability Ranking					
System supports real-time clinical checks	5	5	5	5	5	5
System supports real-time eligibility checks	5	5	5	5	5	5
Capable of identifying users	5	5	5	5	5	5

System supports wireless operations	5	5	5	5	5	5
System is SureScripts certified	5	5	5	5	5	5
Favorable system performance times						
System supports multiple sites						
	Category Attribute Rank Totals					
	25	25	25	25	25	25

Interfaces						
Attribute	System Attribute Capability Ranking					
Vendor has existing interface with PMS	5	5	3	1	3	1
System can extract necessary information from PMS	5	5	5	2	5	3
	Category Attribute Rank Totals					
	10	10	8	3	8	4

Security						
Attribute	System Attribute Capability Ranking					
Favorable application security	5	5	5	5	5	5
Favorable transaction security	5	1	1	1	1	1
	Category Attribute Rank Totals					
	10	6	6	6	6	6

Reporting						
Attribute	System Attribute Capability Ranking					
System provides multiple reporting options	5	5	5	5	5	5
	Category Attribute Rank Totals					
	5	5	5	5	5	5

Regulatory Compliance						
Attribute	System Attribute Capability Ranking					
System meets HIPAA requirements	5	5	5	5	5	5
System meets State Board of Pharmacy requirements	5	5	5	1	5	1
Favorable handling of CII and CIII prescriptions	5	5	5	5	5	1
	Category Attribute Rank Totals					
	15	15	15	11	15	7

Scalability						
Attribute	System Attribute Capability Ranking					
System supports adequate number of prescribers	5	5	5	5	5	5
	Category Attribute Rank Totals					
	5	5	5	5	5	5

Portability						
Attribute	System Attribute Capability Ranking					
System supports wireless PDA/smartphone use	5	5	5	1	5	-
System supports Palm and PPC platforms	2	5	5	1	5	-
System supports Tablet PC use	5	5	5	5	5	5
	Category Attribute Rank Totals					
	12	15	15	7	15	5

Extensibility						
Attribute	System Attribute Capability Ranking					
	Category Attribute Rank Totals					
	0	0	0	0	0	0

Implementation Requirements	E-Prescribing System Alternatives					
	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
Hardware & Infrastructure						
Attribute						
System is platform independent		5	5	5	5	5
System is available in wireless environment		5	5	5	5	5
Vendor provides wireless implementation support/referral		3	5	1	1	1
	Category Attribute Rank Totals					
		13	15	11	11	11

Installation Experience						
Attribute						
Vendor has favorable number of installations		3	3	1	4	2
Favorable level of vendor support during installation						
Favorable number of pending installations						
Implementation plans meets desired criteria						
	Category Attribute Rank Totals					
		3	3	1	4	2

Technical Expertise						
Attribute	System Attribute Capability Ranking					
	Category Attribute Rank Totals					
	0	0	0	0	0	0

Staff Augmentation						
Attribute	System Attribute Capability Ranking					
	Category Attribute Rank Totals					
	0	0	0	0	0	0

Program Management						
Attribute	System Attribute Capability Ranking					
Testing plan meets desired schedule						
Testing plan verifies system specifications						
Favorable testing plan of equipment, software, network, interfaces						
	Category Attribute Rank Totals					
	0	0	0	0	0	0

Education & Training						
Attribute	System Attribute Capability Ranking					
Vendor provides adequate training	4	5	5	3	5	4
Location of training is favorable	5	5	5	5	5	5
All involved personnel receive training	5	5	5	2	5	5
	Category Attribute Rank Totals					
	14	15	15	10	15	14

E-Prescribing System Alternatives						
Operational Requirements	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
System Administration & Maintenance						
Attribute	System Attribute Capability Ranking					
System updates are installed with minimal effort	5	5	5	5	5	5
System requires minimal effort for routine maintenance	5	5	5	5	5	5
	Category Attribute Rank Totals					
	10	10	10	10	10	10

Downtime / Recovery						
Attribute	System Attribute Capability Ranking					
Able to recover lost, damaged files						
Favorable contingency plans for order entry during downtime	2	2	2	2	2	2
Capable of automatic data recovery						
Capable of reporting system errors or faults in a discrepancy log						
	Category Attribute Rank Totals					
	2	2	2	2	2	2

Ongoing Education & Training						
Attribute	System Attribute Capability Ranking					
Vendor demonstrates continual effort for training and education	5	5	5	4	5	5
Location of training is favorable	5	5	5	5	5	5
	Category Attribute Rank Totals					
	10	10	10	9	10	10

E-Prescribing System Alternatives						
Vendor Post Sales Support	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
Vendor Maintenance & Service						
Attribute	System Attribute Capability Ranking					
Vendor will provide service/support log	5	5	5	5	5	5
Vendor has favorable service/support hours	5	5	2	4	5	5
Vendor indicates willingness to meet needs of the project	4	5	4	5	3	3
	Category Attribute Rank Totals					
	14	15	11	14	13	13

E-Prescribing System Alternatives						
Decision Economics	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor
Financial Analysis						
Attribute	System Attribute Capability Ranking					
Ability to minimize additional hardware/ infrastructure requirements	5	5	5	5	5	5
Favorable ongoing support and maintenance costs	5	5	5	5	5	5
Favorable implementation cost	5	5	5	5	5	5
Favorable software cost	1	3	3	2	4	5
Favorable hardware cost	5	5	5	5	5	5
Favorable initial data extraction/upload fee	5	4	5	5	1	5
Favorable interface fee	1	5	5	no interface	1	1
	Category Attribute Rank Totals					
	27	32	33	27	26	31

Strategic Investment & Platform Reuse						
Attribute	System Attribute Capability Ranking					
	Category Attribute Rank Totals					
	0	0	0	0	0	0

E-Prescribing System Alternatives						
System Pricing	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
Price - Per DEA # Per Year	\$600	\$450	\$550	\$660	\$390	\$225

Go to E-Prescribing Score

E-Prescribing High-Level System Priorities – Scores

- Step 1:** Review the category scores and the classification total scores for each e-prescribing alternative.
- Step 2:** Review the overall classification total scores for each e-prescribing alternative.
- Step 3:** View a graphical representation of your e-prescribing assessment; go to **E-Prescribing Score vs. Price Comparison Chart**.

Electronic Prescription System Alternatives						
System Classification	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
System Capabilities						
	SCORE					
User/Process Functionality	44.4	44	44.4	42.8	40	42
Technical Functionality						
	7.5	7.5	7.5	7.5	7.5	7.5
Interfaces						
	3	3	2.4	0.9	2.4	1.2
Security						
	4	2.4	2.4	2.4	2.4	2.4
Reporting						
	1	1	1	1	1	1
Regulatory Compliance						
	3	3	3	2.2	3	1.4
Scalability						
	1.5	1.5	1.5	1.5	1.5	1.5
Portability						
	3.6	4.5	4.5	2.1	4.5	1.5

Extensibility						
	0	0	0	0	0	0

Classification Category Score Totals						
	68	67	67	60	62	58.5

Implementation Requirements						
	SCORE					
Hardware & Infrastructure						
	4.5	3.9	4.5	3.3	3.3	3.3

Installation Experience						
	1	0.6	0.6	0.2	0.8	0.4

Technical Expertise						
	0	0	0	0	0	0

Staff Augmentation						
	0	0	0	0	0	0

Program Management						
	0	0	0	0	0	0

Education & Training						
	4.2	4.5	4.5	3	4.5	4.2

Classification Category Score Totals						
	10	9	10	7	9	7.9

Operational Requirements						
	SCORE					
System Administration & Maintenance						
	3	3	3	3	3	3

Downtime / Recovery						
	0.4	0.4	0.4	0.4	0.4	0.4

Ongoing Education & Training						
	4	4	4	3.6	4	4

Classification Category Score Totals						
	7	7	7	7	7	7.4

Vendor Post Sales Support						
	SCORE					
Vendor Maintenance & Service						
	2.8	3	2.2	2.8	2.6	2.6

Classification Category Score Totals						
	3	3	2	3	3	3

Decision Economics						
	SCORE					
Financial Analysis						
	5.4	6.4	6.6	5.4	5.2	6.2

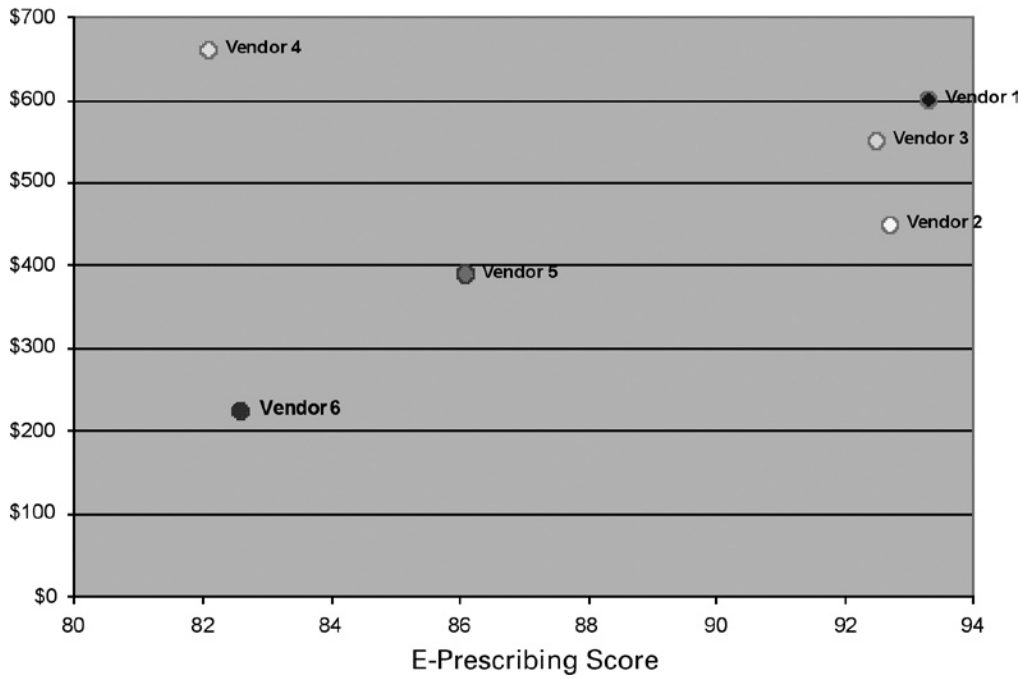
Strategic Investment & Platform Reuse						
	0	0	0	0	0	0

Classification Category Score Totals						
	5	6	7	5	5	6.2

Overall System Classification Score	E-Prescribing System Alternatives					
	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
Total Score	93	93	93	82	86	82.6

Go to E-Prescribing Score vs. Price Comparison Chart

E-Prescribing Score vs. Price Comparison



Vendor Name & Address	Product Names	Contact Information

