Table 4. Clinical Decision Support Tools to Apply to the Order Categories in the Leapfrog CPOE Evaluation

CDS Tools/Order Categories	Order Edits/ Structured Orders	Groups of Pre-defined Orders	Order Checking with/without Reference Knowledge Base	
Therapeutic duplication			✔	
Single and cumulative dose limits	✔		✔	
Allergies and cross-allergies			✔	
Contraindicated route of administration	✔	✔	✔	
Drug-drug and drug-food interactions			✔	
Contraindication/dose limits based on patient diagnosis		✔	✔	
Contraindication/dose limits based on age and weight			✔	
Contraindication/dose limits based on laboratory studies			✔	
Contraindication/dose limits based on radiology studies			✔	
Corollary/linked orders		✔		
Cost of care	✔		✔	

Adapted from Metzger & Turisco, 2001, and used with permission.

Complex Orders with Specialized Tools	Order-Relevant Patient Data Display	Order-Specific Data Capture	Rules –Based Alerts within Order Entry	Rules–Based Surveillance with Alerts Outside of Order Entry
			✔	
✔				
		✔		✔
✔				
			✔	
		✔	✔	
✔		✔	✔	
✔	✔		✔	✔
			✔	
			✔	
		✔	✔	