

Linking Systems and Objectives*

*This worksheet was adapted from a 2011 book published by the Healthcare Information and Management Systems Society (HIMSS) entitled "Improving Outcomes with Clinical Decision Support: An Implementer's Guide, Second Edition."

In the first column, list your priority clinical decision support objective(s). In the second column, list some potential ideas for CDS interventions that could help address that objective. In the next three columns, bring forward information from the CIS Inventory worksheet. In the last two columns, record information about whether and how the currently available systems can enable the desired CDS functionality and clinical outcomes.

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Clinical Decision Support Objective	CDS Intervention	System Name/Type/Vendor	Information Type	System User and Usage	Adequacy to Complete Intervention (Good, Need Upgrade, Need Replacement)	Note
Prevent prescription of medication to allergic patients	Prescription allergy alert window	Better Care CPOE	Medication list (NDC), allergy list, XYZ Corp Drug Database	Physicians	Need upgrade - Alert functionality needs to be modified to trigger at moment of order submission, medication list user interface needs to be friendlier	Accurate medication list is critical, need to discuss alert trigger rules - consult clinical IT advisory committee
Prevent prescription of medication to allergic patients	Pharmacy med check	Safe Drugs Pharmacy System	XYZ Corp Drug Database, drug formulary, allergy list	Pharmacist	Need upgrade - EMR and drug database interfaces need to be built, pharmacist alert feature needs to be built	Allergy content - consult Clinical IT advisory committee for vetting