Components of drug therapy problems (DTPs)

Components of DTPs	Subclassifications	Causes of drug therapy problem
Indication-related	Unnecessary drug therapy	 there is no valid medical indication for the drug therapy at this time multiple drug products are being used for a condition that requires single drug therapy the medical condition is more appropriately treated with nondrug therapy the drug therapy is used to treat an avoidable adverse reaction associated with another medication.
problems	Need for additional drug therapy	 the medical condition requires the initiation of drug therapy Preventive drug therapy is required to reduce the risk of developing a new condition the medical condition requires additional drug therapy to achieve synergistic or additive effects.
Efficacy-related problems	Ineffective drug therapy was considered when:	 the least effective drug is used while the most effective drug is available the drug is used for medical condition which is refractory to the drug product the drug product used is not an effective product for the medical condition being treated
	Dosage too low was considered when:	 the dose of the drug is too low to produce the desired response the drug interaction occurs that could reduce the amount of active drug available the duration of drug therapy is too short to produce the desired response the dosage interval is too infrequent to produce the desired response
	Dosage too high was considered when:	 the dose is too high dosing frequency is too short the duration of drug therapy is too long the drug interaction occurs that could result in a toxic reaction to the drug product the dose of the drug was administered too rapidly
Safety-related problems	Adverse drug reaction was considered when:	 the drug causes an undesirable reaction that was not dose-related the drug interaction causes an undesirable reaction that is not dose-related the drug causes an allergic reaction

		 the drug is contraindicated due to risk factors the dosage regimen administered or changed too rapidly
Compliance-related problems	It is considered if a patient fails to take medications appropriately due to one of the following reasons:	preference not to take the medication