Class STUDY EXECUTION: DRUG AND MATERIALS

Systems of Interest:
Estimate Trial Site Inventory Needs

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Trigger
A periodic planning exercise of trial site therapeutic materials takes place.

Primary Scenario
The System selects a study and study version from a USDM-compliant information stream and extracts relevant information (e.g. Schedule of Activities). The Sponsor selects all study-reported treatment progression data from the Trial Data Repository on a per trial-site basis and uses the SOA to estimate the quantity of therepeutic (e.g. study-drug) and ancillary materials needed at each trial site for the next planning period (e.g. next week). The estimates are sent to the Sponsor's inventory management system for further processing.

For example: the SOA cross referenced with trial data indicates that, as a function of treatment progression, 10 study-subjects at a given trial site should be ready for a study-drug despensing encounter in the next week.

Result
Study-drug & ancillary material inventories are assessed and adjusted as necessary to reduce risk of low inventories at the trial sites.