

Clinical Tools

Product Bulletin

Lytec MD Clinical Tools is designed to help you get the most out of Lytec MD. Clinical Tools includes Drug Therapy Support Databases, Prescription Templates and Clinical Templates (progress note, letter and message templates). With an annual subscription to Clinical Tools, you'll enjoy both the quality and risk management benefits of Drug Therapy Support and the time-saving features of the Prescription & Clinical Templates.

Clinical Tools consists of drug-interaction products licensed through Medi-Span, as well as updates we receive from clinical consultants who produce content specifically for McKesson.

Medi-Span's clinical decision support content provides a wealth of drug information that empowers the clinician with the ability to foresee potential conflicts in a patient's treatment plan. The clinical decision support modules make certain the patient's medication is optimized and safe and that the clinician is supported with accurate, up-to-date information at every decision point.

From Medi-Span, we get the following:

- A complete list of every medication available for use in the United States, including over-the-counter medications, supplements, and many natural/herbal remedies
- Drug-drug interaction data
- Drug-allergy interaction data
- Drug-diagnosis (contraindication) data
- Drug dose checking data

Updates from Clinical Consultants include:

- Recent note templates
- Quick text
- Prescription information

NOTE: Lytec MD comes with a base set of templates and the updates noted above relate to that base set.

Drug Therapy Support

Drug Therapy Support features include drug interaction checking, drug dose checking, drug diagnosis/disease checking, and a dose advisor.

Summary of Key Features and Benefits:

- Automatically checks prescribed medications against the patient's allergies, current medications, and medications noted in the past to have been ineffective for the patient.

- Screens for potentially inappropriate dosing and duration
- Provides concise warning summaries regarding onset, severity, and documentation of the reaction, including a summary of pertinent studies from medical literature.
- Offers the ability to customize the level of screening according to clinic preferences.
- Provides a complete list of prescription and over-the-counter drugs available in the United States, allowing you to validate the name of a drug that you don't have a template for.
- Makes it easy to update the drug database every quarter

Drug-Drug Interaction

Drug Interaction works in conjunction with the prescription writer in Lytec MD. Every time a provider writes a prescription, Lytec MD will automatically check the prescribed drug against the patient's allergies and current medications for any possible adverse reactions. Drug Interaction also checks the patient's ineffective medication list to ensure that the drug being prescribed does not have a history of ineffectiveness for the patient. These safeguards help reduce the possibility of an adverse reaction resulting from the prescribed medication.

Dose Advisor

The Dose Advisor feature offers comprehensive dosing and administration information to assist in the process of prescribing and dispensing medications at their proper dosages and durations. The Dose Advisor takes into account several factors including age, weight, gender, renal function, indication, and body surface area.

Drug Dose Checking

If you do not use the Dose Advisor when writing a prescription, Lytec MD will still run drug dose checking to screen for potentially inappropriate dosing. When writing a prescription, the system checks the details of the prescription against the patient's age and gender to see if the dose is appropriate. If there is a potential problem, a warning screen will appear before the prescription is issued.

Drug dose checking is age specific and comprehensive, and supplemented with information about clinical situations that may justify dosing outside the normal range.

Drug Diagnosis and Drug Disease Checking

Drug Diagnosis and Disease Checking is another value-added prescription-writing feature that provides accurate, timely alerts to potential contraindications of drug use based on age, gender, diagnosis, pregnancy status, lactation, and smoking habits.

What information is presented with a drug interaction warning?

Drug Interaction provides concise warning summaries regarding the onset, severity, documentation level and effects of an interaction. These alerts permit healthcare professionals to quickly assess the relative risk to the patient. If additional information is desired, Lytec MD provides full-text monographs discussing the effects, mechanism of action, and management of the interaction. Also included are a discussion of the key clinical issues and a list of the primary literature references used to support the monographs.

Can I customize drug interaction?

While you cannot add any drug interactions, you can cross reference drug names and select your screening criteria based on the severity and level of documentation of the drug interaction. The result: clinicians are presented with drug interaction warnings only when they meet or exceed the user selected minimum threshold for interaction screening.

What if my pharmacist already checks for reactions?

Even though pharmacies check newly prescribed medications for interactions, if the pharmacist does find an adverse reaction, he must then inform the physician, who then needs to take the time to write an alternative prescription. With drug interaction checking at the point-of-care, you can be assured that you won't have to later change the prescription due to possible reactions.

Prescription & Clinical Templates

Lytec MD Clinical Tools' Prescription & Clinical Template library is a collection of over 700 prescription templates and nearly 200 clinical templates. These templates are intended to make the job of writing prescriptions and creating progress notes, letters, and messages faster and easier. The library also improves the quality of documentation. The library includes QuickText macros, which increase the ease in which results can be recorded in the progress note.

Summary of Key Features:

- Ease of use: With the click of a button, you can insert a time-saving template into a note.
- Time savings: Prescription Templates allow entire prescriptions to be written with just a few keystrokes.
- Comprehensive: Clinical Templates include evaluation and management (E&M) suggestions to help ensure compliance with billing guidelines.
- Extensive: The library includes over 700 prescription templates, and nearly 200 clinical templates covering a broad range of conditions. Updates help keep information current.
- Customizable: It's easy to edit each template to meet the needs of individual providers and practices.

Who creates Prescription & Clinical Templates?

The Prescription & Clinical Templates are developed and regularly updated by physicians and Pharm D. consultants at a leading US academic medical center.

Can I edit or add templates?

It's easy to modify existing templates or create new templates. All you need are basic word processing skills. You can create templates for use by the entire practice or create provider-specific templates.

What happens to existing templates when we update?

When you install an updated version of Prescription & Clinical Templates, you have the choice of preserving your edited templates and overwriting the rest, or overwriting all the templates.

Do you provide specialty templates?

Yes, we also have many specialty template libraries available for use with Clinical Tools. Contact your account manager for more information, including pricing.

How can I learn more about Clinical Tools?

For more information about Clinical Tools, contact your Lytec representative.

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