

# FDB MedKnowledge Framework<sup>™</sup>

## Integrated Software Components for Building Drug Information Systems Quickly

**The FDB MedKnowledge Framework** enables you to build healthcare solutions faster using FDB's MedKnowledge and clinical decision support modules. It offers a choice of technology and relational database management systems (RDBMSs), so it can adapt to most platforms, operating systems and development tools.

FDB MedKnowledge Framework components encapsulate FDB's proven drug content and expertise in a highly flexible suite of intuitive, integrated software components. This gives you the comprehensive functionality you need to present drug information in ways that uniquely suit your purposes. From the desktop to the Internet to a handheld device, the FDB MedKnowledge Framework goes where you need it, and can significantly enhance your productivity as an information system developer.

### Clinical Content

The FDB MedKnowledge Framework incorporates an extensive array of clinical modules:

| Clinical Modules  | US v4.4 | Canada v4.0                      |
|---|---------|----------------------------------|
| Counseling Messages Module <sup>™</sup><br>(also available in Spanish and French) | ✓       | ✓                                |
| Dosage Range Check Module <sup>™</sup>  | ✓       | ✓                                |
| Drug Allergy Module <sup>™</sup>  | ✓       | ✓—no inactive ingredient support |
| Drug-Disease Contraindications Module <sup>™</sup>                                | ✓       | ✓                                |
| Drug-Drug Interaction Module <sup>™</sup>   | ✓       | ✓—no inactive ingredient support |
| Drug-Drug Interaction Module for Consumers <sup>™</sup>                           | ✓       | ✓                                |
| Drug-Food Interaction Module <sup>™</sup>   | ✓       | ✓                                |
| Drug-Food Interaction Module for Consumers <sup>™</sup>                           | ✓       | ✓                                |
| Drug Images Module <sup>™</sup>   | ✓       |                                  |
| Drug Imprints Module <sup>™</sup>   | ✓       |                                  |
| Drug Pricing Information  | ✓       |                                  |
| Duplicate Therapy Module <sup>™</sup>   | ✓       | ✓                                |

Clinical Content | *Clinical Modules:*

| Clinical Modules   | US | Canada                    |
|--|----|---------------------------|
| Enhanced Therapeutic Classification™ System                                  | ✓  | ✓                         |
| Geriatric Precautions Module™  | ✓  | ✓                         |
| Indications Module™  | ✓  | ✓                         |
| Interoperability Module™—Core  | ✓  |                           |
| Intravenous Module™  |    |                           |
| High Risk Medication Module™   | ✓  |                           |
| Lactation Precautions Module™  | ✓  | ✓                         |
| MedGuides Module™  | ✓  |                           |
| Medical Lexicon™   | ✓  | ✓                         |
| Min/Max Dose Modules™  | ✓  | ✓                         |
| Patient Education Module™<br>(also available in Spanish and French)          | ✓  | ✓—English and French only |
| Pediatric Precautions Module™  | ✓  | ✓                         |
| Pregnancy Precautions Module™  | ✓  | ✓                         |
| Prescriber Order Entry Module™   |    |                           |
| Prioritized Label Warnings Module™<br>(also available in Spanish and French) | ✓  | ✓—English and French only |
| Side Effects Module™   | ✓  | ✓                         |
| Tall Man Plus™   | ✓  | ✓                         |

**Navigation**

Multiple Access Points™ provide additional user flexibility, to enhance access to drug information:

- Clinical modules linked at various drug levels:
  - Navigation to dosing modules (Dosage Range Check Module, Min/Max Dose Modules)
  - Contraindications
  - Side effects and patient education monographs from the routed-drug and routed-dosage-form drug level
- Subset functionality—enables the user to build multiple subsets of drugs, to support formulary development and drug pick-list generation

- Navigation directly from a replaced drug to its replacement(s)
- Filtering of NDC or dispensable drug searches on Repackager and Private Labeler
- Filtering of drug searches on Active or Inactive NDC status codes
- Partial NDC lookup—allows product lookup, using appropriate portions of the NDC
- Ingredient- and clinical-concept navigation

## Customization

Allows users to incorporate customized clinical screening results and drug product information:

- Custom drug attributes and messages
- Custom pricing for packaged drugs
- Custom ID mapping for clinical screening
- Custom dosage range checks, including neonatal and infant dosage ranges
- Custom therapeutic classes
- Custom indications
- Custom duplicate therapy allowance values and descriptions
- Custom drug-drug interactions, including severity level adjustments, categorization and custom descriptions
- Reference-only items—allow users to display information on drug products unique to their environments (without clinical screening)

## Additional Functions

In addition to navigation and customization features, the FDB MedKnowledge Framework also includes the following:

- Compound-drug screening—enables clinical screening for multiple-ingredient compounded drugs
- Find prospective drug—compares multiple drugs and presents alternatives based on available patient parameters
- Use of inferred indications when performing contraindication screening
- Individual numeric strength fields for single ingredient drugs, to perform additive-dosing calculations
- Calculate Cumulative Daily Dose across patient drugs containing acetaminophen or opioid ingredients

## International Development

The FDB MedKnowledge Framework is compatible with clinical content from Canada. Additionally, drug knowledge solutions for other world regions are available from FDB.

**For more information, contact Sales today at 800.633.3453. Or, visit [fdbhealth.com](https://fdbhealth.com)**

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