

Intended Users:	Healthcare Providers	Information Professionals	Researchers
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## LiverTox

**Description:** LiverTox, developed by the National Institute of Diabetes and Digestive and Kidney Diseases, provides information on the diagnosis, cause, frequency, clinical patterns, and management of drug-induced liver injury. The term drug-induced includes prescriptions, over-the-counter medications, and certain herbal and dietary supplements. LiverTox has two main parts. The introduction gives an overview of the different types of drug-induced liver injury, clinical course and outcomes, grading the severity of liver injury. The second component is more than 1,300 drug records, with more being added every year. Drug records include background, hepatotoxicity, mechanism of liver injury, outcome and management, case reports, and chemical information. LiverTox is authored by members of the Liver Disease Research Branch of the Division of Digestive Diseases and Nutrition of the National Institute of Diabetes and Digestive and Kidney Diseases and is updated every three to four years.

### Popular uses of this product:

Healthcare Providers	Information Professionals	Researchers
<ul style="list-style-type: none"> <li>Consult LiverTox for information on managing drug-induced liver injury.</li> <li>Find resources about drugs and their likelihood to impact liver health.</li> <li>Review Case reports to learn about the hepatotoxicity of a drug, patient outcome and management.</li> </ul>	<ul style="list-style-type: none"> <li>Advise patrons that LiverTox is copyright-free, but still requires appropriate attribution.</li> <li>Help patrons locate references from the annotated bibliography.</li> <li>Connect patrons to supplemental resources such as PubChem for chemical information or DailyMed for Drug Labeling information.</li> </ul>	<ul style="list-style-type: none"> <li>Use the annotated bibliography to find relevant articles.</li> <li>Bulk download LiverTox data for analysis.</li> <li>Download the Master List of all drugs and agents in LiverTox with supporting metadata.</li> </ul>

### Key Points:

- LiverTox has up-to-date, freely available information on diagnosing and managing drug-induced liver injury.
- Each drug record includes a case report(s), which discusses patient medical history, laboratory values, patient outcome, and an annotated bibliography of references.

### Considerations:

- LiverTox has information about liver injury and disease from drugs only. It does not include other types of liver diseases such as Hepatitis or nonalcoholic fatty liver disease.

### Teaching Examples:

- Browse "LiverTox by Drug Class". Scroll down to find "Antidiabetic Agents". Select a common diabetes medication and look at the drug record. Review the Case Reports. Have participants look in the comment section to find the patient's outcome/ Back at the top of the page, look for the date when the record was last updated.
- Find the Master List of LiverTox Drugs. Have participants describe what's included in the master list. Name at least two column headers (ingredient, likelihood score, last update, etc.)

### Real-Life Examples:

- A physician is treating a patient with early signs of liver damage. The patient currently takes statins, antidepressants, and over-the-counter NSAIDs. The physician uses LiverTox to look at the different medications and find information about how they might lead to drug-induced liver injury.

2. A researcher is exploring drug-induced liver damage due to a particular type of drug. They use LiverTox to find case reports and articles relevant to their study.

**More Information:**

[Master List of LiverTox Drugs](#)

[About LiverTox](#)

[Hepatotoxicity Special Interest Group Seminar](#)

[LiverTox Glossary](#)