

Naloxone Rescue Therapy for Opioid Overdose (16-242)

Needs: Pharmacists should be able to identify patients who are at risk of opioid overdose and who may potentially benefit from life-saving reversal of fatal respiratory depression with naloxone. Pharmacists need to know about the use of naloxone for opioid overdose since they are accessible to patients and can serve as an important resource for patients by furnishing and teaching about the safe and appropriate use of naloxone.

Target Learners: This activity is intended for all pharmacists in any setting. There are no prerequisites for this course.

Goals and Objectives: The goal of this application-based activity is to help pharmacists in all settings develop the skills necessary to assist patients and family members in appropriately using naloxone for opioid overdose. Upon completion of this course, the learner will be able to:

1. Explain the risk factors for opioid abuse and overdose and discuss strategies for preventing overdose.
2. Identify patients who meet the criteria for the provision of naloxone, and explain how to respond to opioid overdose.
3. Give the mechanism, indications, contraindications, safety, any drug interactions, and adverse effects of naloxone rescue therapy.
4. Compare the different formulations of intranasal and IM naloxone, including how they are prepared, stored, and administered.
5. Explain how a patient will respond to naloxone rescue therapy.
6. Discuss managing adverse events following the use of naloxone rescue therapy.
7. Recommend support programs and resources for patients and caregivers for follow-up care for opioid use disorder.

Director of Continuing Education and Continuing Medical Education

Tammie Armeni, RPh, PharmD

Director of CE/CME and Associate Editor
Pharmacist's Letter & Prescriber's Letter
Natural Medicines

Principal Author

Tanveer Khan, PharmD

Associate Editor
Pharmacist's Letter & Prescriber's Letter

Tammie Armeni, RPh, PharmD

Director of CE/CME and Associate Editor
Pharmacist's Letter & Prescriber's Letter
Natural Medicines

Course Information, Goals and Objectives

Expert Reviewers

Jeffrey Bratberg, PharmD, BCPS

Clinical Professor
College of Pharmacy
The University of Rhode Island

Jacqueline Petrillo, PharmD, Esq.

Clinical Pharmacist Case Manager
Commonwealth of Massachusetts

Daniel Wermeling, Pharm. D., FCCP, FASHP

Professor of Pharmacy
University of Kentucky College of Pharmacy

Reviewers

John Ferraro, BS Pharm

Amanda Glover, PharmD

Kristin Lato

Shelly Nance, PharmD, CDE

Heidi Peterson, RPh

Editorial Consultants

Melissa Blair, PharmD, FASHP, FCCP, BCPS

Associate Editor
Pharmacist's Letter & Prescriber's Letter

Sherri Boehringer, PharmD, BCPS

Senior Editor
Pharmacist's Letter & Prescriber's Letter

Beth Bryant, PharmD, BCPS

Assistant Editor
Pharmacist's Letter & Prescriber's Letter

Sandye Chabot, PharmD

Editor
Pharmacist's Letter & Prescriber's Letter

Vickie Danaher, PharmD

Assistant Editor
Pharmacist's Letter & Prescriber's Letter

Karen Davidson, PharmD

Senior Editor
Pharmacist's Letter & Prescriber's Letter

Lori Dickerson, PharmD, FCCP

Associate Editor
Pharmacist's Letter & Prescriber's Letter

Mark Graber, MD, FACEP

Associate Clinical Editor
Pharmacist's Letter & Prescriber's Letter

Course Information, Goals and Objectives

Katie Graves, PharmD

Assistant Editor

Pharmacist's Letter & Prescriber's Letter

Flora Harp, PharmD

Drug Information Consultant

Pharmacist's Letter & Prescriber's Letter

Stacy Hester, RPh, BCPS

Assistant Editor

Pharmacist's Letter & Prescriber's Letter

Malia Manning, PharmD

Drug Information Consultant

Pharmacist's Letter & Prescriber's Letter

Crystal Maric, BScPharm, MBA, ACPR, BCPS

Associate Editor

Pharmacist's Letter & Prescriber's Letter

Rachel Maynard, PharmD

Associate Editor

Pharmacist's Letter & Prescriber's Letter

Kimberly Palacioz, PharmD

Editor

Pharmacist's Letter & Prescriber's Letter

Brea Rowan, PharmD, BCPS

Assistant Editor

Pharmacist's Letter & Prescriber's Letter

Don Weinberger, PharmD

Assistant Editor

Pharmacist's Letter & Prescriber's Letter

Marlea Wellein, PharmD, BCPS

Assistant Editor

Pharmacist's Letter & Prescriber's Letter

Project Management

Colene West

Regulatory Affairs R & D Supervisor

Continuing Education Project Manager

Pharmacist's Letter & Prescriber's Letter

Natural Medicines



Credit for Pharmacists

Pharmacist's Letter Therapeutic Research Center is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This knowledge-based course has been assigned universal activity number 0422-0000-16-242-H01-P for pharmacists. Pharmacists may earn two hours of CE credit (0.2 CEU) upon successful completion of this course.

Course Information, Goals and Objectives

Statement of Credit

Answering at least 70% of the quiz questions correctly constitutes successful completion of this course. After successful completion of this course AND once accurate NABP e-Profile information is provided by the participant, CE credit will be submitted to CPE Monitor on a weekly basis. Participants should continue to keep traditional statements of credit until instructed otherwise by their state board of pharmacy or other licensing agency. The statement of credit may be printed online.

Disclosure

The editors of this activity and its publisher, Therapeutic Research Center, have no relevant financial interests related to the products or services covered by this CME/CE activity. Therapeutic Research Center/*Pharmacist's Letter* does not receive any commercial support and does not accept any advertising. It is completely independent and is supported entirely by subscriptions. *Pharmacist's Letter* focuses on delivering completely objective, unbiased drug information and advice for the benefit of subscribers.

Our editors have thoroughly researched the information with input from experts, government agencies, and national organizations. Users of this document are cautioned to use their own professional judgment and consult any other necessary or appropriate sources prior to making clinical or legal judgments. Information and Internet links in this article were current as of the date of publication.

Time to Complete

It should take participants about two hours to read the material and answer the questions.

Date of Release

April 1, 2016

Date of Expiration

March 31, 2019

Date of Last Review

Under the policies of *Pharmacist's Letter/Prescriber's Letter*, our educational courses are reviewed 24-26 months after original publication. If a course is reprinted within 26 months of its first publication, all information will be reviewed and revised, if necessary, to assure that participants will receive up-to-date information.

Cost

For subscribers to *Pharmacist's Letter*, the cost to obtain CE credit from this course is \$36.00 as part of the *CE-in-the-Letter* PLUS program which includes all the CE courses listed under *Pharmacist's Letter* self-study courses.

Our publications and CE offerings are 100% guaranteed. Subscribers may receive a refund. Refunds are issued within 6 to 8 weeks.

Software / Hardware Requirements

This course is best viewed with Internet Explorer® 8.0+, Firefox® 20+, Safari™ 5+ (Mac and iOS devices only), or Google™ Chrome™ 20+. It is required that you have "cookies" enabled in your web browser. Your connection to the Internet should at least be 800kbps+.

Course Information, Goals and Objectives

Your Privacy

In order to provide you with continuing education, Therapeutic Research obtains information such as your name, address, email address, phone number, payment information, etc. We treat this information as confidential and use it to provide you with the best service possible. Therapeutic Research has NEVER released any of this information to any outside organization for such organization's own commercial or marketing use and has a policy against doing so. We do not engage in renting out, selling, or trading names of subscribers or any information about any subscriber.

To provide you with valuable services, we will occasionally employ third parties to meet your needs. In such cases, only the information needed to meet your need will be shared with the outside organization. Therapeutic Research only employs third parties that have similarly protective privacy policies. We do not allow any other organization to send you unsolicited emails about any products or services. We might send you information about your subscription, your continuing education credits, or our own drug information services. We do not gather data or track your web usage of any websites other than our own. We invite you to ask us about any privacy concern you may have by calling us or emailing privacyofficer@pletter.com.

Therapeutic Research Center

3120 W. March Lane, Stockton, CA 95219, Tel:(209) 472-2240 Fax:(209) 472-2249

Copyright © 1995-2016, All rights reserved. Users of this document are cautioned to use their own professional judgment and consult any other necessary or appropriate sources prior to making clinical judgments. Information and internet links in this document were current as of the date of publication.