



Insights:

Emerging Trends for Clinical Leadership

Spring 2019

TRC HEALTHCARE – MONTHLY EXECUTIVE BRIEF

IN THIS ISSUE

A Note from the Editor

Two topics currently dominating health-related news are the continued issue of opioid use disorder and, more recently, the increasing problem of measles outbreaks across the U.S.

Our *Letter* products feature several articles and resources to help your clinical teams address both concerns, and our editors continue to stay alert to the latest developments to bring you actionable recommendations and advice that can be put into practice right away.

In addition, some of our team will be at the upcoming Health Connect Partners Spring Pharmacy Conference in Miami, May 6-8. There, Senior Editor Melissa Blair will co-present an educational session about developing a successful hospital opioid stewardship program. We'd love to meet with you if you'll be at the event!



Joshua Conrad, PharmD
Vice President of Editorial and Content



Practice-Changing Pharmacy Updates

Measles Outbreaks

Pain Point: Measles outbreaks continue to dominate the headlines. Clinicians are on the front lines to ensure patients are vaccinated against the disease.

Solution: This month's lead article from *Pharmacist's Letter* delivers recommendations for how to address measles vaccine concerns and promote immunization, and includes a Measles FAQ clinical resource to answer common questions. [Read the full article](#) in the April issue of *Pharmacist's Letter*.

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News You Need to Know

Insights delivers the latest in emerging trends for clinical leadership straight to your inbox. Included in each monthly edition, you'll receive industry-relevant updates, timely new facts, and advice to help you and your pharmacy teams leverage the most from your TRC Healthcare product subscription. You'll also see the latest CE courses added to our course catalog, as well as important national and state requirements to keep you and your staff in compliance.

Contact us anytime for more information. Visit trchealthcare.com, or [email us](#).



Opioid Stewardship

Pain Point: As a result of the opioid crisis, hospitals have identified opioid stewardship as an educational need for staff given that many opioids are prescribed after surgery or hospitalization.

Solution: Hospital pharmacists are in a prime position to develop or

expand the hospital's opioid stewardship program. Learn strategies to reduce opioid use in the hospital, including when it may be appropriate to remove from order sets, how to de-escalate, and how to help patients transition home in [this recent article](#) from *Hospital Pharmacist's Letter*.

Product Spotlight

Hospital Pharmacist's Letter

Spotlight On: CE Courses

Each month, new CE and CME courses are added to TRC's accredited learning center for medication management library. Check out these care-setting specific courses to keep your hospital and health system staff on top of certification, licensure, and CE requirements:

- Antimicrobial Stewardship
- Bloodborne Pathogens 2019
- Hand Hygiene for Infection Control
- Managing Antithrombotics in Surgery Patients
- Managing Drug Supply Chain Issues: Drug Shortages and Counterfeits
- Medication Reconciliation: Preventing Errors During Transitions of Care
- Preventing Healthcare Associated Infections (HAIs)
- Playing it Smart with Antibiotics
- USP Chapter <800> - Handling Hazardous Meds in the Healthcare Setting
- Vitamin K and Warfarin

To view the entire course library or enroll in the courses above, visit the "CE & TRAINING" tab at the top of any *Letter* product.

VISIT US AT THESE UPCOMING HOSPITAL PHARMACY EVENTS

Health Connect Partners (HCP) Spring Pharmacy Conference, May 6-8, Miami, FL

- Booth 309
- Don't miss TRC Senior Editor Melissa Blair, PharmD, and Neda Pourdeyhimi, PharmD, present an educational session on **Opioid Stewardship: Keys to Developing a Successful Program**, Tuesday, May 7 from 11 AM -12 PM (James L. Knight Center, 3rd floor).

American Society of Health-System Pharmacists (ASHP) Summer Meeting & Exhibition, June 9-11, Boston, MA

- Booth 621

Tools to Support Anticoagulant Therapy

New updates to The Joint Commission's anticoagulation National Patient Safety Goal (NPSG) include a new requirement for policies for DOAC initiation and maintenance (including laboratory monitoring) due to an increase in adverse events related to DOACs.

Hospital Pharmacist's Letter now includes the "Safe Use of Anticoagulants" toolbox which provides information and resources to help institutions update or develop policies and protocols for the use of DOACs and other anticoagulants.

View the entire toolbox [here](#).

Safe Use of Anticoagulants

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Effective July 1, 2019, some new requirements have been added to the National Patient Safety Goals (NPSG 3.05.01).¹¹ New is a requirement for policies for DOAC initiation and maintenance (including laboratory monitoring), due to an increase in adverse events involving them.¹¹ Institutions will also need to develop protocols for bleeding management, and perioperative management of anticoagulants, including DOACs.¹¹ Patients/caregivers will also need to be educated on adherence, follow-up (including labs), drug/drug and drug/food interactions, and adverse effects of anticoagulants, including DOACs.¹¹ Hospital processes for identifying adverse events and evaluation of safety practices will need to include DOACs. The toolbox below provides information and resources to help you update or develop your institution's policies and protocols for use of DOACs and other anticoagulants at your institution. Note that these requirements do not apply to short-term prophylactic anticoagulation (e.g., VTE prevention in medical or surgical inpatients).¹¹ Tips for nurses for improving anticoagulant safety can be found in our chart, [Preventing Anticoagulation Errors](#). For more information on the changes to the NPSG 3.05.01, see https://www.jointcommission.org/assets/1/18/R3_19_Anticoagulant_therapy_Rev_FINAL.pdf.

Abbreviations: BID = twice daily; CrCl = creatinine clearance; DOAC = direct-acting oral anticoagulant; MI = myocardial infarction; VTE = venous thromboembolism

Goal	Pertinent information and resources
Ensure appropriate anticoagulant choice based on indication.	<p>Pick the correct anticoagulant for the desired indication (indications below based on U.S. labeling; also consult institution-specific protocols):^{15,17,18,19}</p> <ul style="list-style-type: none"> • A Fib: apixaban (<i>Eliquis</i>), dabigatran (<i>Pradaxa</i>), edoxaban (<i>Savaysa</i>), rivaroxaban (<i>Xarelto</i>), warfarin, heparin • VTE treatment/prevention of recurrence: apixaban (<i>Eliquis</i>), dabigatran (<i>Pradaxa</i>), edoxaban (treatment), rivaroxaban (<i>Xarelto</i>), warfarin, enoxaparin, dalteparin, fondaparinux, heparin • VTE prevention post-arthroplasty: apixaban (<i>Eliquis</i>), dabigatran (hip), rivaroxaban (<i>Xarelto</i>), warfarin, enoxaparin, dalteparin (hip), fondaparinux (also hip fracture surgery) • VTE prevention in at-risk medical (nonsurgical) patients: betrixaban (<i>Bevyxxa</i>), enoxaparin, dalteparin • Cardiovascular risk reduction in coronary or peripheral artery disease: rivaroxaban (<i>Xarelto</i>) • Mechanical heart valve: warfarin • Post-MI risk reduction: warfarin • Myocardial infarction or unstable angina: enoxaparin, dalteparin (unstable angina, non-Q-wave MI) • Percutaneous coronary intervention: bivalirudin • VTE prevention post-abdominal surgery: enoxaparin, dalteparin, fondaparinux • Disseminated intravascular coagulation: heparin • Prevention of clotting in arterial and cardiac surgery: heparin • Prevention and treatment of peripheral arterial embolism: heparin • Anticoagulant in blood transfusions, extracorporeal circulation, and dialysis: heparin • Heparin-induced thrombocytopenia: argatroban, bivalirudin (patients undergoing percutaneous coronary intervention) <p>Use our toolbox, Appropriate Use of Oral Anticoagulants, for more help choosing of anticoagulant for a given indication.</p>
Ensure appropriate	Most DOACs are either not recommended in severe renal impairment (based on U.S. labeling), or dosing information is

News & Events

Upcoming Webinars

Hot Topic Webinar: "Beta-Blockers in COPD and Asthma" May 16, 12 PM Eastern / 9 AM Pacific. Registration coming soon.

PL Voices Webinar: "PL Voices – Clinical Recommendations" May 14, 8 PM Eastern / 5 PM Pacific. Check the course library in your *Letter* product to register.

Missed a webinar this year and want to catch up? [Visit our website](#) for links to past webinars, as well as case studies and press releases.

Duke University Health System Selects Pharmacy Technicians University for New In-House Tech Training Program

To address the growing need for hospital-qualified techs, Duke University Health System (DUHS) brought its pharmacy technician training program in-house in 2018, and selected *Pharmacy Technicians University (PTU)* as the online learning platform and standard curriculum for the new program.

"When we consider the ease of access and the learning styles of our students, an online, digital program is an effective tool to help us meet

the growing need for highly qualified technicians in our health system," said Paul W. Bush, PharmD, MBA, FASHP, BCPS, Chief Pharmacy Officer for Duke University Hospital.

PTU is a one-of-a-kind online training program for pharmacy technicians available in 200 hospitals and used in some of the largest retail pharmacies in the U.S.

[Read the full press release here.](#)



Continuing Education

TRC's accredited learning center for medication management offers Continuing Education in 13 categories, including:

- Disease State Management / Drug Therapy
- HIV / AIDS
- Law
- General Pharmacy
- Patient Safety / Medication Errors
- Archived Webinars
- Competency
- Compliance
- Hospital / Specialty
- Preceptor
- Training
- Immunization
- Compounding

Stay on top of certification, license, and continuing education renewal periods and associated hours required for your state. Make note of the states that have renewal periods in the current month, as well as ongoing state and national requirements:

April	Ongoing	National
New Jersey	California Maryland New Mexico New York Tennessee Texas Washington	PTCB NHA

To view details for each state, as well as a list of associated continuing education courses available to meet requirements, [click here](#).

TRC's accredited learning center for medication management is host to one of the most extensive CE/CME course offerings in the industry. Updated monthly, users have access to live and on-demand webinars, self-paced courses, compliance training, and more.



New Continuing Education Courses

COURSE TITLE	PRODUCT CODE	CREDIT TYPE	CREDIT HRS	COUNTRY	RELEASE DATE	CATEGORIES	COURSE DESCRIPTION	STATE REQUIREMENTS MET
Natural Medicines in the Clinical Management of Pain (JA0006454-0000-18-112-H01-P)	18-112	RPh, MD, DO, PA, NP, RN	1.00	US & CAN	12/1/18	Disease State Management/ Drug Therapy	An overview of the evidence and considerations behind the use of natural medicines and health and wellness modalities in the clinical management of pain.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
The Pharmacist's Role in Pediatric Pain Management (JA0006454-0000-18-245-H05-P)	18-245	RPh	1.00	US & CAN	12/1/18	Patient Safety/Medication Errors	This course provides an overview of the different treatment options available for treating pain in the pediatric population, when each treatment option is recommended, and safety considerations when using these meds in pediatric patients.	Medication Errors; Oregon - Patient Safety/Med Errors; Pennsylvania - Patient Safety/Med Errors; All others General CE
Travel Medicine: Passport to Healthy and Safe International Travel (JA0006454-0000-18-246-H01-P)	18-246	RPh	1.00	US & CAN	12/1/18	Disease State Management/ Drug Therapy	This course reviews how to assess the risk of travel-related illness and guides pharmacists on how to provide education and recommendations for preventing identified risks.	California - Travel Medications; Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Motivational Interviewing to Promote Change (JA0006454-0000-18-247-H04-P)	18-247	RPh	1.00	US & CAN	12/1/18	General CE	This course reviews the basic principles of motivational interviewing and strategies for incorporating motivational interviewing into patient interactions.	General CE
An Overview of Bleeding Disorders (JA0006454-0000-18-251-H01-P)	18-251	RPh	1.00	US & CAN	12/1/18	Disease State Management/ Drug Therapy	This course provides an overview of bleeding disorders (common and rare) and outlines therapeutic options to treat.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Preventing and Managing Neonatal Abstinence Syndrome (JA0006454-0000-18-261-H01-P)	18-261	RPh	1.00	US & CAN	12/1/18	Disease State Management/ Drug Therapy	Learn strategies for avoiding or minimizing neonatal abstinence syndrome (NAS), as well as best practices for treating newborns who experience opioid withdrawal. Describes opioid dependence treatment options during pregnancy and breastfeeding recommendations for mothers receiving opioids.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Understanding Medication Incident Prevention (JA0006454-0000-18-330-H05-P) (JA0006454-0000-18-330-H05-T)	18-330	RPh & Tech	1.00	CAN	12/1/18	Patient Safety/Medication Errors	This course discusses medication incidents and provides an in-depth understanding of causes and methods to prevent medication errors. It also discusses the importance of analysis and reported in medication errors.	Canada - Medication Errors; All others - General CE

COURSE TITLE	PRODUCT CODE	CREDIT TYPE	CREDIT HRS	COUNTRY	RELEASE DATE	CATEGORIES	COURSE DESCRIPTION	STATE REQUIREMENTS MET
CME-in-the-Letter: Mar 2019	19-1003 (PRL) 19-1023 (PRLH) 19-1043 (PRLC) 19-2003 (NL)	MD, DO, PA, NP, RN	1.00	US & CAN	3/1/19	Disease State Management/ Drug Therapy	Especially for physician, nursing, and physician assistant prescribers . Timely, evidence-based recommendations you can use in your practice to improve patient outcomes.	Pharmacotherapy CE; General CME
CE-in-the-Letter: Mar 2019	19-703 (PL) 19-723 (PLH) 19-743 (PLC) 19-803 (PTL) 19-823 (PTLH) 19-843 (PTLC)	RPh & Tech	1.00	US & CAN	3/1/19	Disease State Management/ Drug Therapy	Especially for pharmacists and pharmacy technicians . Relevant, evidence-based recommendations you can use in your pharmacy setting to help improve patient care.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Natural Medicines for Headache (JA0006454-0000-19-103-H01-P)	19-103	RPh, MD, DO, PA, NP, RN	1.00	US & CAN	3/1/19	Disease State Management/ Drug Therapy	This course summarizes evidence for preventing symptoms of and treating headaches such as migraines, tension headaches and cluster headaches with natural medicines.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
The Pharmacist's Role in Promoting Oral Health (JA0006454-0000-19-210-H01-P)	19-210	RPh	1.00	US & CAN	3/1/19	Disease State Management/ Drug Therapy	This course describes the connection between oral health and overall health, strategies for pharmacists to increase awareness about oral health, and overall best practices for good oral health habits.	Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Immunization 2019 Part 1: Recommending Vaccines to Patients (JA0006454-0000-19-211-H06-P)	19-211	RPh	1.00	US & CAN	3/1/19	Immunization	This course discusses current immunization schedules for pediatrics and adults, recommended vaccines, vaccine precautions and contraindications, and improving immunization rates. It also offers strategies and tips for increasing your immunization rates, addressing parent's and patient's vaccine concerns, and recommending effective and appropriate immunizations to all patients.	Immunization; Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Immunization 2019 Part 2: Updates in Vaccine Recommendations (JA0006454-0000-19-212-H06-P)	19-212	RPh	1.00	US	3/1/19	Immunization	This course discusses recent changes to the immunization schedules as well as new vaccine developments such as outbreaks, shortages, and new products.	Immunization; Iowa - Drug Therapy; Missouri - MTM; All others - General CE

COURSE TITLE	PRODUCT CODE	CREDIT TYPE	CREDIT HRS	COUNTRY	RELEASE DATE	CATEGORIES	COURSE DESCRIPTION	STATE REQUIREMENTS MET
Immunization 2019 Part 3: Considerations for the Safe Use of Vaccines (JA0006454-0000-19-213-H06-P)	19-213	RPh	1.00	US & CAN	3/1/19	Immunization	This course provides an overview of safe use of vaccines including administration, identifying and treating vaccine-related adverse events, and proper storage and handling.	Immunization; Iowa - Drug Therapy; Missouri - MTM; All others - General CE
Managing Drug Supply Chain Issues: Drug Shortages and Counterfeits (JA0006454-0000-19-309-H04-P) (JA0006454-0000-19-309-H04-T)	19-309	RPh & Tech	1.00	US	3/1/19	General Pharmacy	This course provides a review of drug shortages and counterfeit drugs, including causes and how to handle these issues in the pharmacy.	General Pharmacy
PL CE Live On-Demand January 2019 (JA0006454-0000-19-601-H01-P)	19-601	RPh & Tech	1.00	US & CAN	3/1/19	Archived Webinar; Disease State Management/ Drug Therapy	Listen in to a previously recorded live webinar identifying emerging trends in drug therapy and their place in patient care practices. Presented by <i>Pharmacist's Letter</i> editors. (Topics: Asthma, Cardiology, Dyslipidemia, Oral Health, Supplements)	Iowa- Drug Therapy; Missouri - MTM; All others - General CE
PL CE Live On-Demand February 2019 (JA0006454-0000-19-602-H01-P)	19-602	RPh & Tech	1.00	US & CAN	3/1/19	Archived Webinar; Disease State Management/ Drug Therapy	Listen in to a previously recorded live webinar identifying emerging trends in drug therapy and their place in patient care practices. Presented by <i>Pharmacist's Letter</i> editors. (Topics: Ear, Nose & Throat, Smoking Cessation, Substance Use Disorder, Travel Medicine, Vitamins & Minerals)	Iowa- Drug Therapy; Missouri - MTM; All others - General CE
PL Voices Clinical Recommendations (On-Demand) 2019-02 (JA0006454-0000-19-681-H01-P)	19-681	RPh & Prescriber	1.00	US & CAN	3/1/19	Archived Webinar; Disease State Management/ Drug Therapy	Listen in to a previously recorded live webinar where our Editorial Board and experts discuss and debate the clinical recommendations that are ultimately published in our monthly <i>Letter</i> . (Topics: Cardiology, Smoking Cessation)	Iowa- Drug Therapy; Missouri - MTM; All others - General CE
PL CE Live: January Forum 2019 (JA0006454-0000-19-501-L01-P) (JA0006454-0000-19-501-L01-T)	19-501	RPh & Tech	1.00	US & CAN	3/26/19	Live CE; Disease State Management/ Drug Therapy	A monthly live webinar identifying emerging trends in drug therapy and their place in patient care practices. Listeners have an opportunity to interact with <i>Pharmacist's Letter</i> editors as the monthly topics are discussed.	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE

COURSE TITLE	PRODUCT CODE	CREDIT TYPE	CREDIT HRS	COUNTRY	RELEASE DATE	CATEGORIES	COURSE DESCRIPTION	STATE REQUIREMENTS MET
PL CE Live: February Forum 2019 (JA0006454-0000-19-502-L01-P) (JA0006454-0000-19-502-L01-T)	19-502	RPh & Tech	1.00	US & CAN	3/26/19	Live CE; Disease State Management/ Drug Therapy	A monthly live webinar identifying emerging trends in drug therapy and their place in patient care practices. Listeners have an opportunity to interact with <i>Pharmacist's Letter</i> editors as the monthly topics are discussed.	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE
PL CE Live: February Forum 2019 (JA0006454-0000-19-503-L01-P) (JA0006454-0000-19-503-L01-T)	19-503	RPh & Tech	1.00	US & CAN	3/14/19 3/16/19 3/20/19 3/27/19	Live CE; Disease State Management/ Drug Therapy	A monthly live webinar identifying emerging trends in drug therapy and their place in patient care practices. Listeners have an opportunity to interact with <i>Pharmacist's Letter</i> editors as the monthly topics are discussed.	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE
PL VOICES: Clinical Recommendations - March 2019 (JA0006454-0000-19-583-L01-P)	19-583	RPh & Prescriber	1.00	US & CAN	3/19/19	Live CE; Disease State Management/ Drug Therapy	A live webinar where you can ask questions of our Editorial Board and experts as they discuss and debate the clinical recommendations that will ultimately be published in our monthly <i>Letter</i> .	Live CE; Iowa - Drug Therapy; Missouri - MTM; All others - General CE