

## CE Activity Announcement

### Medication Safety Certificate Program: Human Factors Engineering

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ACPE Activity Number(s): 0204-9999-17-732-H05-P / 0204-9999-17-732-H05-T

Release Date: May 18, 2017

Expiration Date: May 18, 2020

Activity Type: Application-based

Activity Fee: The full certificate program \$395.00/495.00 member/non-member. Individual modules are not available for purchase.

### Accreditation for Pharmacists and Pharmacy Technicians

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The American Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

This activity is jointly provided with the Institute for Safe Medication Practices.

### Accreditation for Physicians

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This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Society of Health-System Pharmacists and the Institute for Safe Medication Practices. The American Society of Health-System Pharmacists is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Health-System Pharmacists designates this enduring material for a maximum of *4.0 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Accreditation for Nurses

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Educational Review Systems is an approved provider of continuing nursing education by the Alabama State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation (provider # 5-115).

Educational Review Systems is also approved for nursing continuing education by the state of California, the state of Florida, and the District of Columbia.

### Certified Professionals in Patient Safety (CPPS)

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This activity meets the criteria of the Certification Board for Professionals in Patient Safety for up to 51.0 CPPS CE hours.

### Target Audience

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This program is intended for pharmacists, physicians, nurses, pharmacy technicians, and other healthcare professionals responsible for improving the safety of medication use in their respective practice settings.

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### Description

| CE Information   | Title, Description and Learning Objectives   |
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| <p><b>ACPE #:</b><br/>0204-9999-17-732-H05-P<br/>0204-9999-17-732-H05-T</p> <p><b>CE Hours:</b> 4.0</p> <p><b>Activity Type:</b> Application-based</p> <p>The American Society of Health-System Pharmacists designate this enduring material for a maximum of <i>4.0 AMA PRA Category 1 Credits™</i>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.</p> | <p><b>Title: Human Factors Engineering</b></p> <p>Faculty:</p> <ul style="list-style-type: none"> <li>• <b>John W Gosbee, M.D., M.S.</b>, Red Forest Consulting, Ann Arbor, MI</li> </ul> <p>This activity covers human factors engineering concepts and methods and how these can be used to analyze medication safety events, create interventions, and evaluate safety issues.</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• Restate the basics of human factors engineering concepts and methods.</li> <li>• Describe the application of human factors engineering concepts when analyzing medication safety events.</li> <li>• Contrast usability testing and heuristic evaluation as human factors engineering methods to analyze medication safety events.</li> <li>• Distinguish how to use heuristic evaluation and usability testing to create medication safety interventions.</li> <li>• Discuss using human factors engineering methods to evaluate medication safety interventions.</li> <li>• Describe how human factors engineering is used to evaluate safety issues with information technology.</li> <li>• Describe how to find medication safety issues in your workplace where human factors engineering concepts or methods might be applied.</li> </ul> |

### Methods and CE Requirements

This internet enduring material activity consists of a combined total of 16 learning modules. Pharmacists, pharmacy technicians, and nurses are eligible to receive a total of 51.0 hours of continuing education credit by completing all 16 modules within this certificate program. Physicians are eligible to be awarded up to *51.0 AMA PRA Category 1 Credits™* by completing all 16 modules within this certificate program.

All participants must complete each activity and evaluation, as well as score 70% or higher on the assessment test to earn continuing education credit. Follow the prompts online at the ASHP eLearning portal (<http://elearning.ashp.org>) to claim or be awarded credit within 60 days of completing the activity.

**Pharmacists and Pharmacy Technicians only:** Your credits will be reported directly to CPE Monitor. To verify that you have completed the required steps and to ensure your credits hours have been reported to CPE Monitor, we encourage you to check your NABP eProfile account to validate your credits were transferred successfully before the ACPE 60-day deadline. After the 60 day deadline, ASHP will no longer be able to award credit.

### System Technical Requirements

Courses and learning activities are delivered via your Web browser and Acrobat PDF. Users should have a basic comfort level using a computer and navigating websites. View the [minimum technical and system requirements](#) for learning activities.

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### Faculty Information

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**John Gosbee, M.D., M.S.**

Human Factors Engineering and Healthcare Specialist  
Red Forest Consulting, LLC  
Ann Arbor, Michigan

### Disclosures

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In accordance with the Accreditation Council for Continuing Medical Education's Standards for Commercial Support and the Accreditation Council for Pharmacy Education's Standards for Commercial Support, ASHP requires that all individuals involved in the development of activity content disclose their financial relationships. A person has a relevant financial relationship if the individual or his/her spouse/partner has a financial relationship (e.g. employee, consultant, research grant recipient, speakers bureau, or stockholder) in any amount occurring in the last 12 months with an ACCME-defined commercial interest\* whose products or services may be discussed in the educational activity content over which the individual has control.

\*ACCME-defined commercial interest: Any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. The ACCME does not consider providers of clinical service directly to patients to be commercial interests.

In keeping with this requirement, ASHP requires that all faculty, planning committee members, content development consultants, authors, reviewers, and staff complete a disclosure form for each program in which they are involved. Anyone who refuses to disclose relevant financial relationships must be disqualified from participating.

In this activity, no persons associated with this activity have disclosed any relevant financial relationships with an ACCME-defined commercial interest.

- John Gosbee, M.D., M.S.