



Oregon State University
College of Pharmacy

Office of Continuing Pharmacy Education
CPE Gap Analysis Worksheet

Activity Title/Topic	Current Practice	Best/Better Practice	Educational Need	Activity Type
Artificial Intelligence	Artificial intelligence (AI) is a game-changing technology being applied across various industries, including healthcare. In pharmacy practice, AI holds great promise for enhancing education and improving patient care. It is a rapidly changing and advancing resource. Pharmacists who are not savvy with this technology could fall behind and be unable to harness the power of AI.	Pharmacists benefit to learn the capabilities (and possible dangers) of this rapidly developing and changing technology.	Address lack of knowledge about artificial intelligence in the healthcare industry and the changes being made in this technology. This will provide OSHP annual seminar attendees an opportunity to learn how to use it efficiently and understand possible downfalls.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address lack of knowledge on artificial intelligence as it relates to pharmacy.
SGLT2 Inhibitors and Beyond: The Latest in CKD Drug Advances	More than 37 million adults in the US have CKD. It's critical to implement successful strategies such as starting effective treatment in people with or at risk of developing CKD. There have been recent updates to treatment guidelines to include medications such as SGLT2 inhibitors and nonsteroidal mineralocorticoid antagonists (MRA) for renal protective benefits.	Annual seminar attendees have an opportunity to learn from practitioners with first-hand knowledge in initiating and managing medications such as SGLT2 inhibitors and MRAs in patients with or at risk of developing CKD.	Two pharmacists can speak to their experiences and clinical knowledge in use of medications for CKD following recent updates to treatment guidelines and emerging evidence supporting their renal protective benefits.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Rationale: Address the lack of knowledge regarding the latest updates in CKD drug advances.



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Pharmacy Workplace Burnout	<p>There is a growing prevalence of burnout and disengagement across the health professions. Many pharmacists may recognize physical and emotional exhaustion but not connect these symptoms to burnout, often attributing stress to external factors or personal shortcomings. Additionally, pharmacists may be unaware of organizational strategies that can help reduce burnout.</p>	<p>Seminar attendees can better recognize early signs of burnout and understand its link to poor job performance, including medication errors and compromised patient care. They can also better understand the importance of creating a sustainable work environment and how this can prevent burnout.</p>	<p>Many underestimate how burnout leads to cognitive fatigue, reduced attention to detail, and errors that compromise patient safety. A pharmacist with expertise on this topic will review interventions to prevent burnout and create a culture of well-being.</p>	<p><input checked="" type="checkbox"/> Knowledge-based</p> <p>Rationale: Address lack of knowledge on interventions to prevent pharmacy workplace burnout.</p>
Health Equity Panel	<p>All pharmacists are actively engaged in addressing health equity issues in some way, both through direct patient care and system-wide initiatives. However many pharmacists may have limited formal education or ongoing training regarding health equity and may lack understanding for disparities in healthcare.</p>	<p>Annual seminar attendees can engage in a panel discussion focused on health equity. By fostering dialogue on this topic between university and health system pharmacy leaders, pharmacists can learn how to take actionable steps to reduce health disparities and ensure equitable care for patients within their health systems.</p>	<p>A panel of pharmacists who are key leaders at area universities and health systems can speak to their experience and knowledge on how to advocate for and implement strategies that promote equitable care and outcomes for diverse populations.</p>	<p><input checked="" type="checkbox"/> Knowledge-based</p> <p>Rationale: Address lack of knowledge on health equity and outcomes for diverse populations.</p>



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Women's Reproductive Health – Menopause	<p>After years of insufficient evidence on menopause treatment, many women, especially those with moderate to severe symptoms, struggle to receive effective treatment. Recently, evidence in women's health have been criticized and refuted for poor study quality and analysis.</p>	<p>Seminar attendees can better understand how to effectively treat symptoms, provide medication education to patients, and how co-morbidities and risks are appropriately managed in women experiencing menopause.</p>	<p>There have been several advancement in research on hormone replacement therapy and menopause symptom management.</p>	<p><input checked="" type="checkbox"/> Knowledge-based</p> <p>Rationale: Address new research and updates in best practices for management of menopause symptoms</p>
Buprenorphine for Pain Management	<p>Buprenorphine is well-known for treating opioid use disorder (OUD) but is underutilized for chronic pain management. Many pharmacists and clinicians are more familiar with its OUD indication, not its role in pain care. Additionally, stigma surrounding its association with addiction treatment may deter healthcare providers from using it for chronic pain.</p>	<p>Seminar attendees can gain a clear understanding that buprenorphine is an effective and safer alternative for chronic pain management, along with guidance on appropriate dosing, available formulations, and their advantages and challenges in the outpatient setting.</p>	<p>Many healthcare providers may not recognize buprenorphine as a long-term pain management option. A clinical pharmacy specialist in pain management will provide clinical pearls for buprenorphine formulations with info on indication, dosing, administration, titration, urine drug screen interpretation, and switching between formulations.</p>	<p><input checked="" type="checkbox"/> Knowledge-based</p> <p>Rationale: Address lack of knowledge on buprenorphine use for pain management in the outpatient setting.</p>



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Oncology – Bispecific T Cell Engager Therapies	Bispecific T Cell Engager therapies are relatively new and a niche area of practice. General pharmacists often lack in-depth training on these therapies. A presentation was given at OSHP Fall Seminar 2024 that discussed Bispecific T Cell Engager therapies and supportive considerations. Not all attendees would have been able to attend this session. The presenter will build upon the previous discussion by discussing including management of side effects and long term infection risk.	Attendees will develop a better knowledge of Bispecific T Cell Engager therapies and management of toxicities and infection complications.	Many pharmacists have not received training on Bispecific T Cell Engager therapies or have used them in practice. Pharmacists will also need to understand how to manage side effects and provide supportive care for patient receiving treatments.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address lack of knowledge on Bispecific T Cell Engager therapies and their toxicities and infection complications.



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Pain Management in SUD	Pain management protocols for patients with SUD are underdeveloped and are difficult to integrate across health care systems and privately own practices. Opioid agonists such as buprenorphine and oxycodone are well studied, but underutilized due to the negative perceptions and lack of knowledge in the current practice of pharmacy. This topic has been identified by committee members as evidence by meeting minutes.	Attendees can develop and implement comprehensive pain management protocols tailored for patients with SUD and improve confidence in safely and effectively utilizing opioid agonists while a patient is being treated for SUD with opioid antagonists.	As the opioid epidemic continues and populations who are on SUD maintenance therapy age, the knowledge of how to safely and efficiently treat pain has expanded. Pharmacists were not regularly educated on this patient population needs.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address lack of knowledge to safely and effectively treat pain management in patients with SUD.
ID/Transplant Management for the Generalist	Pharmacists in our organization have long requested information from specialty trained transplant and infectious disease pharmacists on management of complications, side-effects, and co-morbidities of patients who have received transplants. Pharmacists may not be aware of specific guidelines and practice based adjustments of medication therapies.	Attendees will benefit from hearing from specifically trained and experienced pharmacists on practical pearls and guidance of specific infection risks and management strategies for transplant patients and therapies.	Many pharmacists limited experience managing antirejection medications, common infection alignments, co-morbidities and drug interactions have used them in practice.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address lack of knowledge in anti-rejection therapies, monitoring and management during patient illness.



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Pharmacist-led program to taper opioid use	The risks of opioid use, especially when taken at high daily doses, for the management of chronic nonmalignant pain have been highlighted in medical and non-medical literature since the year 2000. Nearly 108,000 persons in the US died from drug-involved overdose in 2022, including from illicit or prescription drugs. Pharmacists can play an integral role as part of a multidisciplinary team to promote quality, safety, and affordability related to prescribing opioids for chronic nonmalignant pain.	Seminar attendees may be seeking options on how to address their patients' opioid tapering needs and can gain insight from a pharmacist who is part of a unique pharmacist-led program that provides individualized care to help patients reduce opioid use.	Seminar attendees can learn from pharmacists with first-hand experience as part of the Support Team Onsite Resource for Management of Pain, or STORM interdisciplinary team to address high rates of opioid use, alleviate PCPs workload demands, and improve patient outcomes.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address lack of knowledge on tapering opioid use.
Treatment Resistant Depression	Approximately 20% of patients with depression are classified as having TRD. Yet, several challenges persist including patient adherence, co-morbidities, and barriers to monitoring and access to medication. Pharmacists often provide assist with treatment selection in patients with depression.	Attendees will learn updates in therapies and best practices to improve care for patients with treatment resistance depression.	Address lack of knowledge about novel therapies and individualized treatment plans for TRD based on patient specific factors.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address lack of knowledge in TRD therapies.



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Chronic Disease Management for Older Adults	<p>As age increases, so does accumulation of chronic disease. Guidelines for chronic diseases typically recommend multiple medications for each disease, however as the number of medications goes up so does the risk for prescribing errors, non-adherence, interactions, and adverse effects. Chronic disease management requires a multidisciplinary approach. Pharmacists play a key role in this multidisciplinary team as they can prescribe, dispense, monitor, and educate on pharmacotherapy.</p>	<p>All attendees at OHSP Annual Seminar can learn how to implement strategies to reduce medication administration burden for commonly prescribed medications for older people. This presentation will also help attendees identify relevant drug-drug and drug-disease interactions for medications used to treat common chronic diseases and formulate pharmacotherapy assessments and plans incorporating guideline recommendations for common chronic diseases in older people.</p>	<p>A board-certified geriatric pharmacist can provide real-world clinical knowledge and insight into chronic disease management for older adults.</p>	<p><input checked="" type="checkbox"/> Knowledge-based</p> <p>Rationale: Address lack of knowledge on chronic disease management for older people.</p> <p>Topic Designator: Patient Safety</p>
Clinical Pearls				<p><input type="checkbox"/> Knowledge-based <input type="checkbox"/> Application-based</p> <p>Rationale:</p>



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Medication Safety	Medication safety affects all health systems and pharmacy positions. Medication safety is required CE for each Oregon pharmacy licensure renewal. The OSHP Annual Seminar committee consistently seeks out medication safety CE to provide this important content for our annual seminar attendees, as evidenced by prior meeting minutes.	High quality and engaging content regarding medication safety CE is provided at each OSHP annual seminar. The goal this year *** (pending details on presentation topic).	*** (pending details on presentation topic).	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address knowledge gaps regarding medication safety and fulfill medication safety CE requirements. Topic Designator: Patient Safety
Board of Pharmacy Law Update	It is a requirement that Oregon pharmacists and pharmacy technicians are up to date on any changes in the board of pharmacy laws. Pharmacists and pharmacy technicians are required to complete law CE when renewing their pharmacist license.	Attendees of the OSHP Annual Seminar have the opportunity to obtain the required CE for license renewal.	Board of Pharmacy Law Update to fulfill the required CE for attendees. This has been requested by the OSHP annual seminar planning committee as evidenced by meeting minutes.	<input checked="" type="checkbox"/> Knowledge-based Rationale: Address lack of knowledge on any Oregon board of pharmacy updates Topic Designator: Law