Tennessee Pharmacist Coalition on Medication Safety Opioid Adverse Drug Event Gap Analysis

Updated 06/24/2016



	Opioid Management Practices					
	Gap Analysis Questions	Yes	No	If answered "No" – identify the Specific Action plan(s) including persons responsible and timeline to complete.		
1a)	The facility has a medication diversion prevention surveillance program including:					
	An interdisciplinary team, committee, subcommittee or equivalent, as part of the program					
	 ii. Best practices, core principles or equivalent, concerning physical security of controlled substances, operational policies and procedures to limit diversion, staff education, surveillance and quality improvement (See 77 Best Practices from Mayo Clinic: Berge, 2012, Supplemental Table). 					
1b)	The facility has assigned responsibility for coordinating opioid monitoring functions.					
1c)	The facility has a process in place to ensure fields contained in sta	andard pr	otocols	order sets/flow sheets are consistently		
	populated (manually or automatically) with key information, included i. The patient's diagnosis	ling at a m	ninimun	n: I		
	i. The patient's diagnosis ii. Allergies	 	H			
	iii. Most recent pertinent laboratory results		H			
1d)	The facility has standard policies and practices in place for management	ing the in	 nitiation	and maintenance of opioid therapy which		
	include:					
	i. The specific medication used (e.g., list specific meds)	H	 			
	ii. The condition being treated iii. The potential for drug interactions		片			
	iv. The potential for patient specific interactions	H	H			
	 The facility has a protocol in place to determine the need to reverse supra-therapeutic opioid therapy based on key criteria (e.g., list criteria) 					
	 Reversal protocols are active on all patient's MARs if there is an active order for a narcotic 					
	 Nurses are allowed to administer, according to protocol, reversal agents without prior physician order 					
	 Strategies are in place to guard against dose stacking 					
	 d. Depending on facility size/resources, a rapid response team is utilized to assist with possible narcotic oversedation events 					
	vi. The facility has a process in place to ensure that opioids are used for the appropriate indication (e.g., list indications)					
	vii. Opioid orders include unique prn qualifiers, including pain scales to avoid duplication of therapy.					
1e)	The facility's opioid practices to be considered.					
	i. Clearly specifies opioids are not used to treat anxiety	닏	닏ㅡ			
	ii. Meperidine use is minimized or eliminated	<u> </u>	<u> </u>			
	 Opioid administration is not routinely accompanied by sedatives or anticholinergic drugs such as hydroxyzine 					
	 Opioid dose ranges do not exceed 4x (four times) the original dose (consider limiting to 2x the original dose) 					
	v. Intramuscular (IM) opioid use is minimized					
	vi. Oxygen is used only if therapeutically necessary and only upon physician order					
	 vii. Opioids should be prescribed upon discharge in a manner to treat the patient, prevent abuse and limit overprescribing of opioids. 					
	a The prescribed amount upon discharge should be	П	П			

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	no more than the amount required for treatment until follow-up with their healthcare provider post-discharge. It is recommended that follow-up be provided within 7 days to reassess pain management treatment goals			
	 b. Assess the risks and benefits of prescribing dosages of ≥50 morphine milligram equivalents (MME)/day and avoid or fully justify dosages of ≥90 MME/day per CDC guidelines (Dowell, 2016) 			
	viii. Emergency Department providers are following the Tennessee Emergency Department Opioid Prescribing Guidelines			
	ix. Primary care clinicians prescribing opioids for chronic pain outside of active cancer treatment, palliative care, and end-of- life care, should follow CDC guidelines (Dowell, 2016) for prescribing opioids for chronic pain http://dx.doi.org/10.15585/mmwr.rr6501e1			
	ADE Prevention and Mitigation	on Pr	actio	
	Gap Analysis Questions	Yes	No	If answered "No" – identify the Specific Action plan(s) including persons responsible and timeline to complete.
2a)	Opioids are included in the organization's defined list of high alert medications.			
2b)	A system is in place to alert health care practitioners to significant drug interactions for patients on opioid therapy.			
2c)	A system is in place to remind the prescriber to evaluate the need for initiating and reinitiating therapy when opioids are being held.			
2d)	The facility separates sound-alike and look-alike opioids and uses TALL man lettering and other techniques to reduce the risk of error.			
2e)	The use of a standardized conversion support system for calculating correct doses of opioids to help prevent problems with conversions between opioids and from oral, IV, and transdermal routes of administration.			
2f)	Established pediatric dose guidelines are widely available and utilized.			
2g)	Pediatric dosage forms are separated from adult dosage forms.			
2h)	The facility uses patient-controlled analgesia (PCA) to reduce the risk of oversedation. i. The facility uses only standardized approved order sets for PCA orders.			
2i)	A pharmacy managed system is in place for opioid drug shortage or supply issues which outlines how standard medication safety processes will be followed.			
2j)	The facility has processes in place to eliminate errors in preparation			ispensing which includes:
	Limiting concentrations of opioids stored in automated dispensing machines			
	Dispensing commercially prepared, pre-mixed IV solutions of opioids in limited concentrations			
	iii. Dispensing commercially prepared, pre-mixed IV solutions of opioids in limited vial sizes			
2k)	The facility's nursing practice includes a process to independent do			id pump programming.
	i. At the start of the shift		 	
	ii. With new narcotic infusion and PCA starts		H	

OI) 4	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	standard hand-off/transition communication process is in place for	or all pat	tients re	ceiving opioids which includes at minimum:
i.		Ц		
ii	. Opioid administration history for the previous shift	Ш		
	The facility uses smart infusion pumps for the IV administration of			functionality employed to:
i.	1 1 3	Ш	$ \sqcup$	
	The facility has a process to evaluate that the			
	ordering parameters and sequence are consistent			
	with the pump.			
	b. The facility has a process to evaluate that the smart			
	pump library and CPOE ordering match in regards			
	to units.	_	+	
ii	. Intercept and prevent wrong infusion rate errors.			
			_	
	One Amelicale Occasions	V	No.	If answered "No" – identify the Specific Action
	Gap Analysis Questions	Yes	No	plan(s) including persons responsible and
_ \ _			<u> </u>	timeline to complete.
	he facility has a process in place, using a standardized tool, to ad	idress a	na aocu	ment the following prior to initiating opioid
	herapy.	_		T
i.			14	
ii		Ц	<u> </u>	
ii	1 1: ' 8 1:			
İ۱	/. Chronic pain			
V	. Medication allergies			
V				
V	ii. Review the Tennessee Controlled Substances Monitoring			
	Database (CSMD) for opioid history and potential for opioid			
	abuse			
V	iii. Screen for risk factors associated with oversedation and			
	respiratory depression:			
	a. History of snoring			
	b. Obesity			
	c. Sleep apnea	П	\Box	
(i		П	\Box	
Х		П	TH	
	i. Pharmacists to assist with identification of alternative opioids			
	when contraindications exist	_	-	
×	ii. Monitoring practice guidelines which include:			
	a. Vital signs	П	П	
	b. Continuous pulse oximetry (excluding end of life		T Fi	
	patients) receiving IV narcotics			
	c. Capnography monitors are used when applicable	П	П	
	d. Monitor alarms can be heard at nursing station for	Ħ	 	
	pulse oximetry and capnography and cannot be			
	turned "off"			
Y	iii. Clinical monitoring plan detailing frequency to conduct			
^	assessments		"	
	iv. The indication and therapeutic goal for opioid therapy is			
^	documented in the patient's medical record and	ш		
	communicated to nursing for monitoring and managing patient			
	therapy.			
	иогару.			
3b) T	he facility has processes in place for timely access to routine mo	nitorina	results	and has defined acceptable lengths of time
	etween scheduled assessments:		roounto	and has domina decoptable longing or anno
i.		П	ТП	
ii			╅	
ii			+ #	
	/. For critical rest results reporting, the appropriate healthcare		╅	
"	provider is notified and dose changes are considered]	_	
	provider to floring and dood changes are considered			
	Oracle Oracle III		-4 B	
	Oral Opioid Manage	<u>eme</u> i	nt Pi	actices
				If answered "No" - identify the Specific Action
	Gap Analysis Questions	Yes	No	nlan(s) including persons responsible and

			timeline to complete.
4) The facility has standard processes in place for initiation of oral	l opioid the	erapy, v	hich include:
 Collection of baseline lab values prior to prescribing opioids 			
ii. Drug/drug interactions			
iii. History of opioid ADEs			
iv. Recent trauma or surgery			
v. Administering opioid at the same time(s) each day			
vi. Transitioning the patient from one opioid to another			
vii. Renal adjustment policy that is individualized for each agent			
viii. Monitoring and/or discontinuing opioid therapy	⊥ □	\Box	
ix. Management of bleeding events	14	<u> </u>	
x. Reversal agents are on formulary with policies for appropriate use			
Parenteral Opioid Ma	anage	eme	nt Practices
Gap Analysis Questions	Yes	No	If answered "No" – identify the Specific Action plan(s) including persons responsible and timeline to complete.
The facility has processes in place specific for parenteral opioids	s		,
i. Safely managing therapy			
ii. Monitoring, discontinuing, and/or reinitiating therapy			
iii. Method to determine therapeutic efficacy.	44	$\sqcup \sqcup$	
iv. Standard guidelines			
Critical Thinking and k	Cnow	ledo	e Strategies
			If answered "No" – identify the Specific Action
Gap Analysis Questions	Yes	No	plan(s) including persons responsible and timeline to complete.
The facility provides interdisciplinary education on opioid thera	py, which	include	s:
i. Initial training for new hires and existing staff, including			
protocols and guidelines			
ii. Post-test incorporating a case-study approach to			
demonstrate proficiency iii. Effective technological and clinical monitoring techniques	+	 	
iv. Assessing for adverse drug reactions	╅	H	
v. Recognition of advancing sedation	븀	H	
vi. Plan for targeting gaps in knowledge	井	H	
vii. Ongoing opioid education is provided to direct care staff when new relevant information is available			
Patient	Educ	catio	on
			If answered "No" – identify the Specific Action
Gap Analysis Questions	Yes	No	plan(s) including persons responsible and timeline to complete.
7a) The facility has a process in place to educate patients and fam	ilies on op	ioids, u	sing teach-back method, to ensure safe therapy
including:			
i. Indication	+	<u> </u>	
ii. Symptoms for monitoring	+	 	
iii. Dietary issues	++	 	
iv. Drug interactions	++	╁╫╴	
v. Monitoring requirements vi. Duration of therapy	++	H	
vi. Duration of therapy vii. Potential adverse effects	++	╁╫╴	
viii. Potential adverse effects with alcohol and other	+	╁╫	
central nervous systems depressants			
ix. Potential risks of tolerance, addiction, physical dependency, and withdrawal symptoms			
x. Storage			
xi. Provide a phone number and contact person to call with			
questions after discharge			

7b)	Pharmacists are available for consultations to assist with		
	patient education when any health care practitioner		
	identifies a patient who is at risk for non-adherence.		

	Evaluation and Assessment Strategies				
	Gap Analysis Questions	Yes	No	If answered "No" – identify the Specific Action plan(s) including persons responsible and timeline to complete.	
8a)	Track and analyze opioid-related incidents for quality improvement purposes.				
8b)	Assess the need for additional staff or prescriber training and patient education based on the analysis of reported adverse events, near misses, and staff observations.				

Adapted from:

Opioid Adverse Drug Event Prevention Gap Analysis – Component of the Medication Safety Road Map © 2012 Minnesota Hospital Association

2013 Midyear Clinical Meeting The Joint Commission Update for 2014 – Opioid Safety Gap Analysis © 2013 American Society of Health-System Pharmacists

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Revisions by:

Tennessee Pharmacist Coalition on Medication Safety Best Practices Sub-Workgroup

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