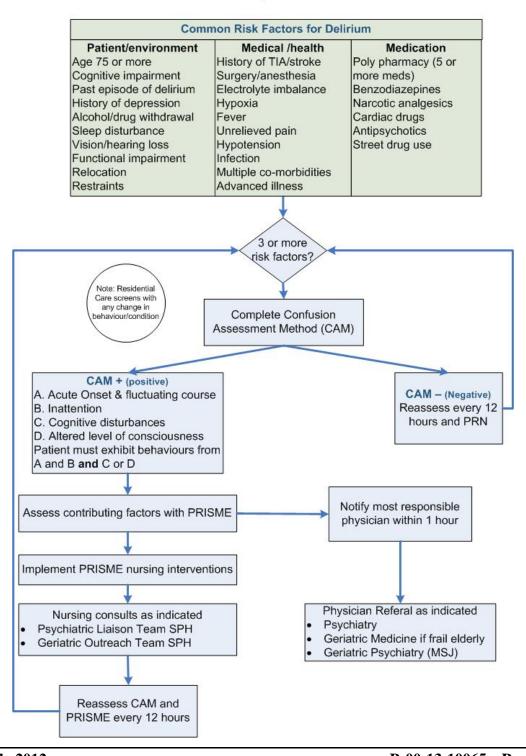


B-00-13-10065 – **Delirium**

Delirium Assessment and Care, protocol

Delirium Identification, Prevention and Treatment





B-00-13-10065 – **Delirium**

Related Documents and Resources:

- 1. <u>B-00-13-10059</u> Managing Unsettled Challenging Behaviours: Least Restraint Approach/PHC Non Residential Sites
- 2. B-00-13-10013- Alcohol Withdrawal protocol
- 3. B-00-11-10110 Corporate Policy Consent
- 4. Hartford Institute for Geriatric Nursing Best Practice, Try this Series
 - a. Issue 13 Confusion Assessment Method (CAM)
 - b. Issue D7 Communication Difficulties: Assessment and Interventions
 - c. Issue D8: Assessing and managing delirium in persons with dementia

Skill Level: Basic: RN, RPN or LPN

Need to Know

Delirium is characterized by a disturbance of consciousness and a change in cognition that develops over a short period of time. There is evidence from the history, physical exam, or laboratory findings that the disturbance is caused by direct physiological consequences of a general medical condition.

- 1. Delirium is a medical emergency.
- 2. Delirium results in higher incidence of in hospital mortality, increased hospital costs, longer length of stay, post discharge mortality, functional decline leading to institutionalization and dementia
- 3. Delirium is common in hospitalized patients (10%-85%)
- 4. Delirium is frequently unrecognized or misdiagnosed (70%)
- 5. Delirium can be predicted by identifying risk factors (See Algorithm)
- 6. Delirium can be accurately identified using the CAM Screening Tool (Confusion Assessment Method Appendix A)
- 7. Delirium can be prevented and the symptom severity reduced using non-pharmacological interventions (PRISME <u>Appendix B</u>)
- 8. Delirium can be treated with medications (referral to Psychiatry or Geriatric Medicine)
- 9. There are three different types of delirium
 - a. **Hyperactive delirium**: overly alert, increased psychomotor activity, acutely responsive to the environment
 - b. **Hypoactive delirium**: low level of psychomotor activity, may appear sedated or depressed
 - c. Mixed delirium: fluctuation of hyperactive and hypoactive symptoms over brief or long periods

PRACTICE GUIDELINE

Assessment & Interventions

All adults admitted to PHC facilities with 3 or more risk factors are screened for delirium using CAM.

- Notify the most responsible physician within 1 hour of a positive CAM screen
- All adults who screen positive for delirium should be further assessed by the nurse using the PRISME framework. Use the PRISME Framework to guide nursing interventions until delirium clears
- The most responsible physician will make a decision about treatment and if required will refer to Psychiatry or to Geriatric Medicine for the frail elderly.
- Use the CAM to screen for delirium every 12 hours as long as there are 3 or more risk factors present.

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B-00-13-10065 – **Delirium**

Note: Residential Care: screen if behaviour or condition change.

Refer to B-00-13-10059 for managing unsettled behaviour

Patient/Family Education & Resources:

- Delirium in older adults: a guide for seniors and their families Canadian Coalition for Seniors Mental Health available at: http://www.ccsmh.ca/en/booklet/index.cfm
- Delirium (Acute Confusion). Alberta Caregiver College. Available at http://www.caregivercollege.org/scoa/?Delirium(AcuteConfusion).html
- Seniors and Delirium. Canadian Mental Health Association Ontario. Available at: http://www.ontario.cmha.ca/seniors.asp?cID=5803
- VCH/PHC Patient Health Education Materials Catalogue:
 - a) Clearing the confusion: Information for Families (CA.900.C55)
 - b) Delirium: What it is and how you can help (CA.900.D379)
 - c) A Troubled Mind: Delirium: A Guide for families and Friends of Delirious Patients (CA.900.T756)

Documentation:

- 1. Document presence of positive risk factors, CAM results and PRISME interventions on Delirium Screening and Care Plan (PHC NF351(T)) or other site specific tool
- 2. After the initial first CAM + screen document the following information on the progress notes:
 - CAM + and identify the specific descriptors for 3 and or 4. (These are the bolded identifiers in sections 3 and /or 4 on the CAM screening tool **Appendix A**.).
 - Specific PRISME factors that are abnormal and may be contributing to delirium.(Appendix B)
 - Document time most responsible physician was notified
 - Document plan in terms of referral or interventions
 - Document nursing action(s) taken

3. Evaluation

- Document patient response to the intervention strategies in terms of hyperactive/hypoactive behaviors and changes in cognition
- Reassess patient for risk factors +/- CAM if indicated.

References:

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- 16. Witlox, J., Eurelings, L. Jonghe, J. Kalisvaart, K. Eikelenboom, P. & van Gool, W. (2010). Delirium in elderly patients and the risk of post discharge mortality, institutionalization and dementia, American Medical Association, 304 (4), 433-451.

Persons/Groups Consulted:

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Head, Division of Geriatric Medicine

Clinical Nurse Specialist Geriatric Medicine

Clinical Nurse Specialist Elder Care MSJ

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Approved/Review/Revision:

February 2004

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B-00-13-10065 – **Delirium**

Revised: February 2005

March 2010 September 2011 January 2012

July 2012 (minor update)

Appendices (Acute Care tools)

Appendix A: - Confusion Assessment Method (CAM Screen)

Appendix B – PRISME Assessment and Interventions

Appendix C – Delirium Screening and Care Plan (PHC-NF351 (T))



B-00-13-10065 – **Delirium**

Appendix A: Confusion Assessment Method (CAM)

A positive screen **requires both 1 and 2 and at least one of 3 or 4**. If 1 or 2 is negative, the screen is negative. If in doubt, consider the screen positive and proceed according to the <u>Delirium Algorithm</u>

1.	ACUTE ONSET + FLUCTUATING COURSE Consider: Has the patient mental status changed from baseline (reported by nurse, patient or family)? Has behavior changed through the shift (or course of observation)?									
PLUS										
	INATTENTION									
	Consider:									
2.	Does patient demonstrate difficulty focusing attention, following conversation or difficulty following instructions?									
	 Is patient easily distracted, attention wander, make poor eye contact or stare into space? 									

AND AT LEAST ONE OF "3" OR "4"

 Disorganized thinking or incoherence? Ramble? Switch subject of conversation unpredictably? Illogical/unclear ideas? Disorientation Consider: Orientation to person, place and time? Memory Impairment Consider: Inability to recall events? Of Consider: Hypervigilance or hyperalertness? Lethargy, stupor, or coma? Psychomotor Agitation/Retardation Consider:			EUF 3 UK 4	AND AT LEAST ON					
Consider:		ALTERED LEVEL OF		COGNITIVE DISTURBANCES					
 Disorganized thinking or incoherence? Ramble? Switch subject of conversation unpredictably? Illogical/unclear ideas? Disorientation Consider: Orientation to person, place and time? Memory Impairment Consider: Inability to recall events? Of Consider: Hypervigilance or hyperalertness? Lethargy, stupor, or coma? Psychomotor Agitation/Retardation Consider:		CONSCIOUSNESS		Disorganized Thinking					
incoherence? Ramble? Switch subject of conversation unpredictably? Illogical/unclear ideas? Disorientation Consider: Orientation to person, place and time? Memory Impairment Consider: Inability to recall events? Consider: Hypervigilance or hyperalertness? Lethargy, stupor, or coma? Psychomotor Agitation/ Retardation Consider: Appearing antsy, picking or pulling a surroundings, rest sluggish, or pacing	in Level	Increase or Decrease in Lev		Consider:					
instruction? Perceptual Disturbances Consider: Onsider: Awake for extended periods during the and asleep during	or r, or on/ y, g at estless, sing? cycle nded he night ng day?	of Consciousness Consider: • Hypervigilance or hyperalertness? • Lethargy, stupor, or coma? Psychomotor Agitation/ Retardation Consider: • Appearing antsy, picking or pulling at surroundings, restless sluggish, or pacing? Altered Sleep/Wake Cycle	4.	Consider: Disorganized thinking or incoherence? Ramble? Switch subject of conversation unpredictably? Illogical/unclear ideas? Disorientation Consider: Orientation to person, place and time? Memory Impairment Consider: Inability to recall events? Inability to follow instruction? Perceptual Disturbances Consider: Visual or auditory hallucinations?	3.				

RD: July 2012



B-00-13-10065 – Delirium

Appendix B

PRISME Nursing Interventions											
Р	R	[S	M	E						
Pain	Retention	Infection	Sleep	Medication	Environment						
Assess pain level hourly or	Determine baseline	Assess for UTI,	Promote normal	Review recent med	Convey attitude of						
PRN	bladder routine	pneumonia, C. Diff,	sleep wake cycle	changes, drug levels,	warmth, calmness, and						
Implement and assess	Use a bladder scan to	purulent wound.	Short day naps	interactions-Pharmacy	firm kindness						
effectiveness of pain	determine retention	Monitor VS	Periods of 4 hours	consult	Provide information, re-						
management strategies	and post void residuals	Monitor WBC	uninterrupted sleep	Screen for drug/ alcohol	orientate and support in						
Narcotic	Offer toileting hourly	Impaction	at night	intake	the context of a safe						
Non-narcotic	D/C Foley catheter if	Determine time of last		Monitor effects of PRN's	environment						
Local or regional block	medically appropriate	BM. Palpate &	Sensory	Avoid medications	Provide watch, clock,						
Non-pharmacological	Follow Urinary	auscultate abdomen.	Assess hearing and	contributing to delirium	calendar, familiar						
Psychosocial	Catheter Management	Rectal check PRN	vision	(demerol, codeine,	objects/pictures from						
Determine baseline	Protocol	Maintain normal	Hearing aid	benzodiazepines)	home, calming music as						
cognition (MMSE &/or		elimination pattern	Wear glasses	Mobility	appropriate						
MOCA)	Restraint	Implement appropriate		Serial functional	Provide schedule of day's						
Acknowledge emotions	Use least restrictive	bowel protocol i.e.	Social Isolation	measurements (2 weeks	events						
Encourage verbal	measures to prevent	Elder Care Bowel	Promote "family"	before acute event and at	Avoid room changes						
expression	self harm	Protocol	involvement	admission)	Room should be quiet						
Use clear , short ,simple	Create a hazard free	Intake	Determine ability to	Early mobilization	with adequate lighting						
instructions & explanations	environment	Dehydration record 24	contact by phone	promote self-care,	Reduce shadows at night						
Avoid confrontations	Increase supervision	hour intake and output		toileting	If Hyperactive – reduce						
Involve family & friends to:	Consider patient family	Offer fluids hourly		Daily pressure sore risk	stimuli,						
determine baseline	member /companion	(minimum 1500mL/day		assessment	Evaluate the use of radios						
cognitive function	/close or constant care	unless contraindicated)		Metabolic	and TV						
identify past and current	for surveillance and	Screen for dysphagia		Hypoxia: O2 Sats at 92%	If Hypoactive – increase						
cognitive conditions like	safety	and consult with		unless medically	stimuli as tolerated.						
stroke, TIA's, brain trauma,		OT/dietician PRN		contraindicated	Activate and ambulate						
depression and dementia		Offer snacks between		VS cardiovascular							
determine ability to cope		meals if indicated in		stability	Purposeful hourly						
with stress/stimuli		nutrition consult		Monitor Hgb, Blood	rounding						
See <u>B-00-13-10059</u> for		Monitor chemistry,		Glucose							
de-escalation strategies		electrolytes, glucose									



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D	ELI	RIUM S	CRE	ENING AND C	ARE PL	AN														
	1. Risk Factors (Check all that apply) Patient/Environmental Risks: Age 75 or older Cognitive Impairment Previous Delirium History of Depression Alcohol/Drug Withdrawal Patient has 3 or more risk factors, in				s nent	His Su Ele	rgery/A ectrolyte poxia ver	alance Infection Multiple Co-morbidities Advanced Illness						Medication Risks: Receiving 5 or more med Benzodiazepines Narcotic Analgesics Cardiac Drugs Antipsychotics Street Drug Use						
_			☐ If		risk factors,	do NO	te CAM screening every 12 hours and initiate PRISME NOT initiate CAM but continue to monitor for changes in risk factors and													
s	cree	ned by:		iliate appropriate i ivic	JIVIL IIILEI VEIIL	.10115 10	muya	ite iisk.	Date: Time:											
2. CAM Screening Documentation: For CAM + (positive) result, patient must exhibit behaviour from both 1 and 2 and either 3 or 4												or 4								
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	Reassess CA			revery shift	Shift Time	D	N	D	N	D	N	D	N	D	N	۵	N	D	N	
1	Acute onset and Behavior fluct			ehavior fluctuates durir						O	<u> </u>									
F	fluc	tuating cours		ffers from baseline fficulty focusing attenti	ion	\vdash			7	~									-	
2	2 Inattention			Easily distracted				0												
L			Tr	ouble following conversation)												
Γ				ganized thinking (incoher ientation	rent, rambling)															
3		gnitive turbances		ory impairment	1	-	\vdash									_				
				eptual disturbances		-														
Γ				ased LOC (vigilant)																
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14		nsciousness	_	nomotor agitation		-														
l	(LO	C)		nomotor retardation		╁		\vdash												
H		Indicate + In		ed sleep / wake cycle	M Result:	\vdash		Н		\vdash					\vdash	\vdash	-		\dashv	
				Initials:	 		Н											\vdash		
3. PRISME Nursing Interventions (Check all that apply)																				
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Pain Use 24 hour Pain Management Flow Sheet (PHC-NI Use non-pharmacological pain management stratege												iaigesi	a (nare	otio u i	IIIIIIII	ii couc)				
L	<u> </u>	Psychosoc	ial	Assess for underlying	ng dementia, s	stress,	ability t	о соре		Provi	de em	otional	suppoi	t to pa	tient &	family				
l	R	Retention		Bladder scan PRN.						e indwe					Regu			2H		
H	• •	Restraint Infection	g Unsettled/C									non-r	esident	tial site	s					
l	ı	Impaction		Assess for UTI, Pneumonia, wound infection Monitor VS every h																
L	•	Intake		Dysphagia screen	Feed				llow a	dequat	e time	for me	als							
Γ	_	Sleep		Ensure 4-hour sleep	p periods	☐ Da	aytime	rest per	iod											
ı	S	Sensory		☐ Ensure glasses, hearing aids & dentures fit well and work																
\vdash		Social isola Medication	-	Encourage family p			cohol/	drug es	roon		Avoid .	at rick	made						-	
	М	Metabolic	<u>'</u>	Review recent med changes Alcohol/ drug screen Avoid at risk meds Monitor I & O, labs, O₂ Sat. blood sugar Ensure agitation is treated									-							
		Mobility		☐ Encourage self-card							_	en Sca	le for p	redicti	ng Sore	e Risk ((PHC-EI	L029)		
	Е	Environme	nt	Provide quiet, supp Provide schedule of Hypoactive – incre	ortive environ f daily activitie	ment (d	lecreas Avo	e noise id room	, light chan	, people ges	:)				e stimul					
L				riypoactive - more	ase sumun as	torer al	cu. Mül	ivale &	ambu	nate	<u> п</u>	herac	riac - I	\cuucl	, autitul	ii, cspe	orally a	riigill		

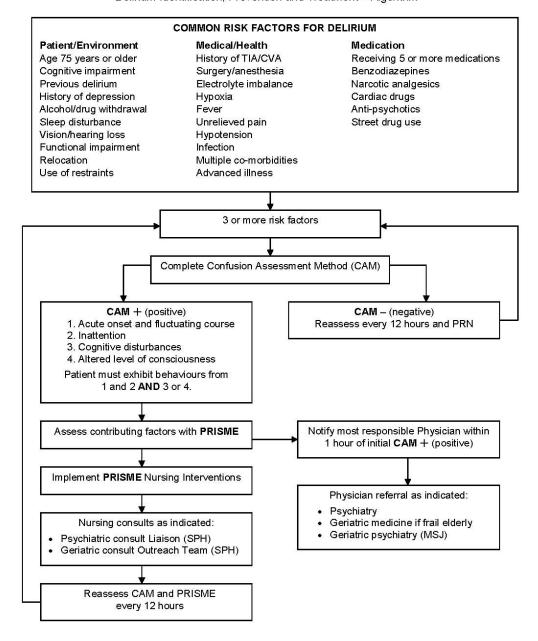
If you initial this form, you must complete the Interdisciplinary Signature Sheet at the front of the patient chart. Form No. PHC-NF351(T) (R. Jan 4-12) Page 1 of 2





DELIRIUM SCREENING AND CARE PLAN

Delirium Identification, Prevention and Treatment - Algorithm



Form No. PHC-NF351(T) (R. Jan 4-12)

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