Care Coordination consumer information MonashHealth pamphlets in the emergency department State Government 5-9-2

METHODOLOGY

Monash Health, ED Care Coordination Team

BACKGROUND

Stewart P, Miller S, Lincke K, Carlin J

WHO

The role of Emergency Department (ED) Care Coordination interdisciplinary services is to minimise hospital use by facilitating timely access to an integrated system of community-based services. 3, 5

"integrated social and medical services can be 10 times more effective than waiting for families to visits health services" 6

At Monash Health, and many health networks, presentations related to homelessness and mental health issues are common reasons for ED attendance. 1

This is reflective of social changes and predicted to continue whereby the current workforce need to rethink how to optimise efficiency, utilisation and skills to provide best and safe care.

OBJECTIVE

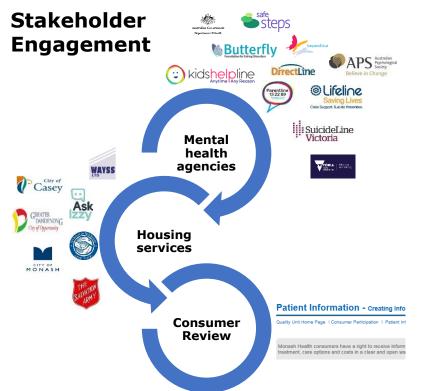
Enhance the patient experience and standardise care across sites

BM

"a positive patient experience with healthcare leads to improved clinical outcomes" 4

NHS

"key step in timely discharge to involve patient and carer" 2



RESULTS

Four new pamphlets



CONCLUSION



Informed patient care **Improved efficiency** Standardised care

Contact Sarah.Miller@monashhealth.org

an Health Workforce Advisory Committee (2003), Emergency Care Forum: Proceedings of the Forum Held to Share Ideas and Identify Common Themes Relating to Planning, Training and Supporting ency Care Workforce, AHWAC Occasional Paper 2003, Sydney.

ment of Health. Achieving Timely Simple Discharge from Hospital. A Toolkit for the Multidisciplinary Team. London: The Stationery Office, 2004. ment of Human Services. Guidelines for the Victorian Emergency Department Care Coordination Program. Melbourne: State Government of Victoria, 2008

4 Doyle C, Lennox L, Bell D. A systematic review of evidence on the links between patient experience and clinical safety and effectiveness. BMJ Open 2013;3.

Moss, J. E., Houghton, L. M., Flower, C. L., Moss, D. L., Nielsen, D. A. and Taylor, D. M. (2002), A multidisciplinary Care Coordination Team improves emergency department discharge planning practice. Medical nal of Australia, 177: 427-439

6 Suhrcke, Marc, de Paz Nieves, R, Cookson, Richard and Rocco, L (2013) The economics of the social determinants of health and health inequalities: a resource book. World Health Organisation (WHO), Geneva

Monash**Health**

Interagency collaboration in the implementation of a rural urgent care clinical review process

Catherine Church, Sarah Finlayson, Carol Reid, Danielle Beekman, Numurkah District Health Service and University of Melbourne

Aim:

The interagency clinical review process was implemented as part of the Urgent Care Centre (UCC) project which aimed to reduce the pressure on the Regional Emergency Department (ED) by diverting lower complexity cases to rural Urgent Care Centres and Primary Health Services.



Introduction:

The clinical review process is an opportunity for multiple organisations to engage in peer learning, improve staff knowledge and client outcomes.

The aim was to create a meeting where confidential and open discussion occurs without blame and confrontation.



 ✓ Identified the need to provide health care via Telehealth

Conclusion:

Prior to the implementation of this clinical review process there had been no formal forum within this space.

It is a powerful tool for multiple organisations to collaborate together to improve communication, identify and work on common issues as a group to improve client outcomes.

Our project has ended but all partners have continued to participate in the clinical review process

Acknowledgment:

This work is part of a larger Urgent Care Centre Project funded by Better Care Victoria Innovation Fund 2017/2018. It involved four rural health services in North Central Victoria- Numurkah District Health Service, Cobram District Health, Nathalia District Hospital and Kyabram District Health Service

Catherine Church, Deputy Director of Nursing- Catherine.Church@ndhs.org.au

easternhealth Management of the Patient with Acute Severe Behavioural Disturbance (ASBD)

Background: Improvement work commissioned in October 2017 in response to a prioritised issue: The management of the patient presenting with acute severe behavioural disturbance and aggressive behaviour in the context of suspected illicit substance abuse. Patients may or may not have psychiatric features and the cause of the behavioural disturbance may be unclear and require further investigation.
 Previous Performance: No single standardised clinical care pathway for the management of these patients existed. Expected Performance: a single standardised clinical care pathway was to be developed, including; measured multidisciplinary team response at key points; process for admission into the ED; use of chemical restraint as per an agreed guideline; intubation and ICU admission as required; extubation and transfer of care.
 Outcome: The below Evaluation and Sustainability A3 document was reported to our Clinical Executive Committee in April 2019 and represents the culmination of this project.
 Contacts: Lisa Watson, Clinical Lead Occupational Violence and Aggression Lisa.Watson@easternhealth.org.au or Lisa Shaw-Stuart, Program Director Mental Health Lisa.Shaw-Stuart@easternhealth.org.au

Eastern Healt	th Im	prove	emen	t Model	Phas	se 4 –	- Eval	uation and Sus	staina	bility			Version August 2	2017	
Program of Work: Management of the Intoxicated Patient with Severe Behavioural Disturbance Completed By: Lisa Watson, Lisa Shaw-Stuart Document Date: March 2019								Commissioning Di	iagnostic	Solution Design		aluation	easternhealth		
	Project Owner: Lisa Shaw-Stuart							October 2017 No	ov 2017	February 2018	Ap	ori12019	E		
1. Problem							4. Return on Investment Achieved								
Previous Performance: 0	formance: 0 New Performance: 1						Financial (i.e. value released such as beds, theatre time, ED cubicles)					Quality (i.e. no of patient don't have a fall or infect			
Statement of achievement: A comprehensive guideline has been developed to inform the management of patients exhibiting acute severe behavioural disturbance from presentation through to discharge, with the primary aim of reducing risk of harm to the patient, staff and others.							Reduction in work cover claims and LTI 2° staff harm Incurred due to aggression.					Reduction in VHIMS OHS corresponds with reduct			
										2017	2018	staffharm			
2. Solutions Implemented Solution implemented				Date implemented			Lost time injuries WorkCover claims - sta	andard		29 14	20				
			A an inter C			implen ed Octobe				rd claims only					
Development of new PG ' Management Behavioural Disturbance' to address i					Publish	edUctobe	er 2018		kCover claims costs - standard claims only \$3.56M \$942.5K Claims costs in 2017 include those associated with two serious incidents						
Initial staff response Rapid MDT referral, response and assessment Physical and chemical restraint								5. Key Learnings							
Extended scope to EH acute sites						Comprehensive implementation of this guideline and it's direct impact on the prevention and									
Within above CPG, provide details on a range of IM and IV medication options Published available including indications, contraindications and doses					edOctobe	er 2018	mitigation of harm is difficult to measure in isolation. As part of a suite of improvement initiatives, an overall reduction in harm to staff and improved reporting rates in VHIMS despite								
Design and document a standard process for the MDT collaboration, care planning, controlled extubation and ongoing management of this patient group within Published October 2018 as ICU specific attachments to above PG						 an overall increase in Code Grey incidents is incredibly pleasing. Collaboration within the working party allowed for a focus on shared problems and forged greater collegiality between clinical areas and roles, enhancing visibility of the work and improved teamwork at the frontline. Annual Aggression Survey provides a useful forum for communicating the existence of these 									
3. Success Measures															
Measure	Pre	vious (20)17)	Expected	Achieved (2018)			guidelines and will provide an ongoing measure of staff knowledge of relevant guidelines,							
VHIMS OHS ISR2 incidents 2° to Acute Severe Behavioural Disturbance mediated aggression EH wide (Staff response is timely and effective => reduced harm)	24 0			14 (= 42% reduction in harm)			 content, processes, and satisfaction with their application. The 2018 survey provides a useful baseline against which annual comparison can now occur. Further implementation of the guideline is required along operational lines in particular those areas at highest risk of exposure to acute severe behavioural disturbance and related 								
VHIMS OHS incidents 2° to (all reported) aggression in our EDs and ICUs (Staff response to aggression is timely and effective)	ISR2 ISR3 ISR4	ED 4 48 55	1 1 8 4	Desired trend decrease decrease Increase	ISR2 ISR3 ISR4	ED 1 47 28	ICU 0 13 10	aggression. • Remaining solutions yet to be addressed include developing a standard admission diagnosis ar resulting automated referrals/alert to be given future consideration—added to Aggression Management Expert Advisory Committee (EAC) Innovation and Improvement Plan (IIP).							
LINICAL INCIDENTS OF							6. Sustainability Plan								
AGGRESSION [©] Code Greys reported in VHIMS [•] Wilson Security logged Code Greys	BHH 382 1558 24.5%	MH 250 1452 17.2%	AH 129 246 52,4%	Desired trend increase decrease	8HH 684 1814 37.7%	MH 492 1414 34.8%	AH 146 223 65.5%	Ongoing governan arrangements		Ongoing monitoring		-	ed interventions		
Overall Reporting Rate EH Staff Survey on Violence &	24.370	17.270		increase hieved (2018		24.870	03.376	Aggression Management EA	Sur	nual EH Staff vey on Violence	Progra	m Directors-r	ends from the survey and share report to be filtered by site and		
	EH Wide, 1329 clinicians responded to this question:							Aggression Management EA	AC Roi	d Aggression utine monitoring d reporting of IMS and Wilson	Bi-ann areas	ualreportsin	e results via operational lines. development for sharing with h discussion and reporting at proj es		
nowledge of 'Management of the batient with Acute Severe															
Aggression - Q: Staff level of knowledge of 'Management of the patient with Acute Severe Behavioural Disturbance' Guideline: Staff not aware of the guideline Staff aware but have not read it	EH wide 35.7%			ICU 36.6%		ED 38.8%		Aggression Management EA		urity data orkcover claims			g of Workcover claims and LTI		

Paediatric Emergency Department Access to External Diagnostic Imaging



Assoc. Prof David Krieser, Dr Melissa Barnett and Mr Ian Law Department of Emergency Medicine; Sunshine Hospital

Background

- Medical diagnostic imaging is integral to paediatric emergency medicine, but must be carefully considered given radiation risk, potential need for procedural sedation, financial cost and increased length of stay in emergency departments (EDs).
- Patients are frequently referred to EDs by primary health clinicians having already obtained imaging at external radiology facilities
- Anecdotally, there are barriers to obtaining or visualizing these results, resulting in unnecessary imaging duplication in hospital
- There is a paucity of information regarding the accessibility of external diagnostic imaging, completed prior to patient presentation, to the Emergency Department.

Project Aim

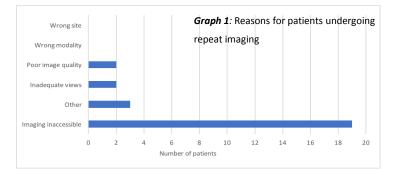
To quantify whether paediatric emergency clinicians are able to access diagnostic imaging, performed outside the hospital setting, prior to ED presentation, to determine whether unnecessary study duplication is occurring.

Methods

- Prospective, convenience sample, pilot study of clinicians managing of 0-18 year olds presenting to Sunshine Hospital ED with imaging completed prior to their presentation, from June 8 2017 to March 31 2018.
- Paediatric ED clinicians were asked to complete a questionnaire for patients who had received DI prior to presentation.

Results

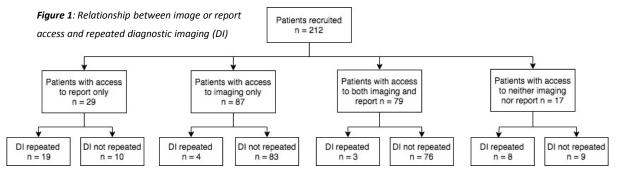
- 212 presentations were captured
- Patients had external imaging completed at 14 different radiology providers
- The most common external imaging modality was x-ray (91%).
- Diagnostic images were available for 77% and a radiology report was available for 51% of patients.
- 8% of patients with prior imaging presented without the report or images.
- 16% of patients with prior imaging underwent repeat imaging in ED
- The majority (79%) were repeated due to inability to access prior studies.
- The odds of reimaging if prior studies were not accessible was extremely high (OR 28 (95% Cl 10 86)).



Conclusions

External medical imaging was not adequately accessible for ED clinicians. A significant proportion of medical imaging is repeated due to inability to access prior studies.

Improved integration between public and private information systems may reduce the costs and risks associated with unnecessary test repetition



BENDIGO HEALTH

In the current climate of ever increasing Emergency Department demand and acuity of presentations, combined with regional deficits in Medical support, acute Telehealth care is key to the provision of equitable quality care across the region.

An exploration of the Loddon Mallee Regional need and benefit from Emergency Medical Telehealth Support

Dr Diana Badcock, Bendigo Health Dr Berenika Turchin, Bendigo Health

Aim

To enhance the quality and safety of emergency care at local centres and reduce unnecessary transfers. 58 Consults provided by a FACEM to 8 Urgent Care Centres and 2 Emergency Departments in October 2015 ATS CAT1 - 3 ATS CAT2 - 15 ATS CAT3 - 25 ATS CAT4&5 - 15 Results 12 transfers avoided and treated locally 6 transfers' care was optimised by providing direct access to the required service High level of satisfaction expressed by patients and clinicians

Conclusion

There was a clear need for Emergency Telehealth service in the region, with benefits ranging from reduced unnecessary transfers, to improved local and definitive care.

This pilot subsequently led to the Out of Hours Urgent Care Emergency Department Project undertaken in 2018 sponsored by the DHHS. This served to demonstrate how the current gap in medical service provision by Urgent Care Centres after hours is in need of Senior Emergency Medicine Telehealth providers.

Both the study and subsequent investigative work showed that a dedicated clinician is imperative for the service to be delivered in a safe and effective manner.

"The telehealth system increases the senior medical leadership and experience in our local ED significantly by bringing the Bendigo Duty Consultants into the room with us"

"We should do telehealth before we take any transfers. We can support and give advice and keep some of these patients treated locally. Those that come can benefit from having access to our skill set earlier."



Wide variation in the management of agitated and aggressive patients by emergency medical services.

Dhanya Nambiar, Natalie Liu, James Pearce, Janet Bray, Karen Smith, Peter Cameron



Background and Aims

- Clinical aggression leads to the deterioration of patient outcomes and negatively affects the safety of emergency medical service (EMS) providers (Bigham et al 2014, Prehosp Emerg Care).
- Clinical aggression is typically preceded by acute agitation, and EMS use predetermined guidelines to minimise risk and safely treat and transport patients.

Aim: Describe and compare clinical practice guidelines (CPG) for the management of agitated and aggressive patients in the ten Australian and New Zealand EMS.

Methods

Using publicly available data, we retrieved current (as of December 2018) EMS CPG in Australia and New Zealand for non-trauma undifferentiated agitation. Data extraction included tools to measure agitation and sedation, deescalation, restraint and sedation.

Guidelines included in this study: 1. Ambulance Victoria CPG A0708 Agitated	Results					
patient v4 2018 2. St John Ambulance Western Australia CPG	Indicator					
 2.5 Disturbed and Abnormal Behaviour July 2017 3. South Australia Ambulance Service Intensive Care Paramedic CPG 065 Challenging Behaviours v4.0, Paramedic CPG 027 Behavioural Emergencies v4.1 4. Queensland Ambulance Service CPG 	Used a validated tool for assessing agitation (ex Sedation Assessment Tool, Glasgow Coma Scale, Mental Health Assessment) Guidelines had detailed descriptions of mild, moderate and severe agitation					
 Behavioural Disturbances / Acute behavioural disturbance October 2017, CPP Behavioural Disturbances / Sedation- acute behavioural disturbance October 2017 5. St John Ambulance New Zealand CPG 5.1 Agitated delirium 6. New South Wales Ambulance CPP A7 	Pharmacological management for mild to moderate agitation Benzodiazepines: Midazolam (6/9) Lorazepam (1/9) Antipsychotics: Droperidol					
Management of acute severe behavioural	Ketamine					
disturbance 7. St John Ambulance Northern Territory CPG 10-02 Agitated patient, CPP 05 Sedation & procedural sedation 8. Australian Capital Territory Ambulance	 Pharmacological management for severe agitation Benzodiazepines: Midazolam Ketamine Antipsychotics: Droperidol 					
Service CMG 33 Behavioural and psychiatric emergencies, CMG 37 Management of combative and agitated patients 9. Ambulance Tasmania CPG A708 Agitated patient	Maximum dose for ketamine : IM: • 200mg (3/5) • 400mg (2/5) IV: 1.5mg/kg					
10.Wellington Free Ambulance CPG 5.1 Agitated delirium *5 & 10 use the same guidelines.	Contraindications for ketamine: Hypertension, psychiatric conditions/ psychosis Allergy, Cardiac disease					
	Noted ketamine-induced emergence reaction Provided guidelines on management of ketamine-induced emergence reaction					
Monash University	Fliendaur 🙈 🔽 🕸					

Flinders

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Conclusions

Observational studies are needed to establish the impact of these variations on patient outcomes to identify best practice for agitated and aggressive patients.

Funding and disclosure:

n/N

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The Alfred

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PC is funded by a NHMRC Fellowship. JB is supported by a Heart Foundation Fellowship.

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