

palliative care outcomes collaboration



PCOC for Irish Palliative Care Services

National Clinical Programme for Palliative Care

M. O'Reilly & F. Twomey November 2023



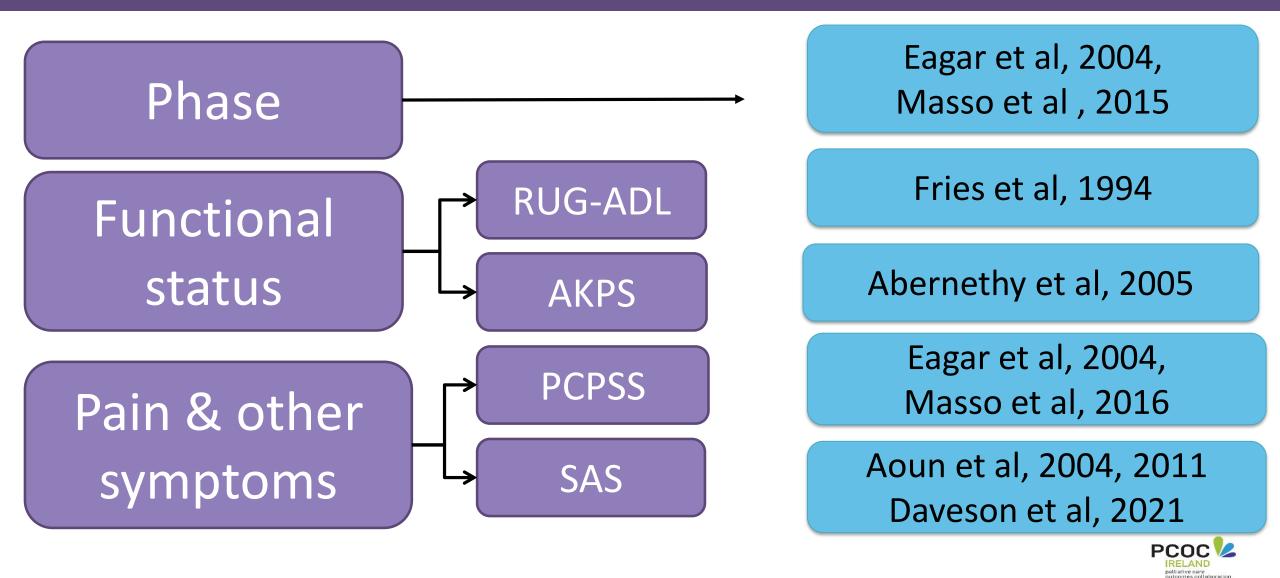
Origins of PCOC

- Initiated in 2005 in Australia; benchmarks since 2009
- Government funded
- 95% of Australian palliative care services submit data
- Clear evidence improves palliative care patient outcomes

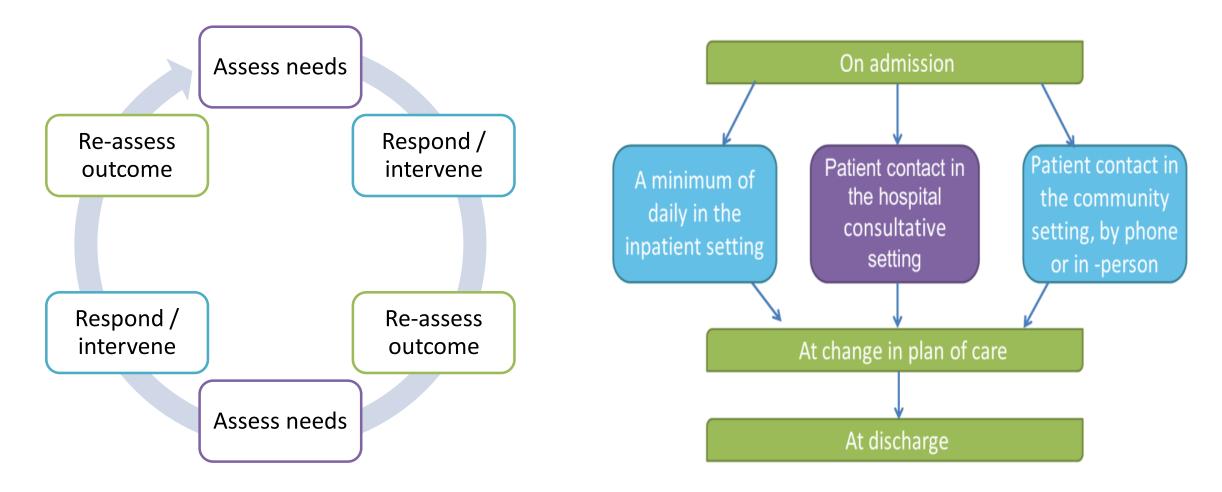
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Five core clinical assessment tools



Assessment & Response Framework





PCOCComent. Quality improvement and change framework



Examples of Impact on Care Request for IPU admission

			_	The puttern up	111331		is the sum of		ang iour i	compon		
Milford Care Centre Request for admission to the Specialist Palliative Care IPU (Each section to be completed, please tick or circle appropriate options) Date first presented:		Complete or affix addressograph label here iCare No:DOB: Surname First Names Gender Male Female		1. Patient Phase of Illness Stable (Score = 0) Unstable (Score = 4) Deteriorating (Score = 2) Terminal (Score = 4) Problem Severity Score (0 = absent; 1 = mild; 2 = Moderate; 3 = severe) Pain Severity 0 1 2 3 Other symptoms 0 1 2 3 Psychological/Spiritual 0 1 2 3								
Date mist presented.		Known to Service Yes No		3. Australia-modified Karnot 10 20 30 (Score = 4) 30 30	- ·	10	tatus 50 60 pre = 2)	70	80	90 re = 0)	100	
Type of Referral 1: New (First IPU admission); 2: Referred For	equest for re-admission	1;]	4. Estimated Prognosis		ts (Score = 2		e months (Sc tegory 3: Sc	ore = 1)	>Three mont	ths (Score = 0) 7 4: Score ≤7	
1: Symptom control; 2: EOLC; 3: Rehabilitation; 4: Respite; 5: Transfusion; 6: Other Referred by:] —	Referral Date	Day 1 Date		Bed Offered on Day 1? Yes	OUTCOME – Patient admitted, Episode start date		OUTCOME – Bed offered but patient not for admission			
1: H@H; 2: SPCDU; 3: MCC OPD; 4: GP; 5: SPCT UHL; 6: SPCT SJH; 7: SPCT Ennis; 8: SPCT Nenagh; 9: UL Hospitals – Medical Oncology; 10. UL Hospitals – Radiation Oncology;		(······,				No	Date (if not Day 1):		_	Date:		
11. UL Hospitals – Other Medical Team; 12. C Specify Other (12) above			-	Date Ready for Care	Score	Category	If no, why not? (1-4)	Score	Category		e patient is not nission? (1-9)	
				(Date the patient is ready and available for care)								

The patient admission score is the sum of the following four components

Does inpatient hospice care improve patient outcomes effectively?

JOURNAL OF PALLIATIVE MEDICINE Volume 23, Number 4, 2020 C Mary Ann Liebert, Inc. DOI: 10.1089/jpm.2019.0295

Is Inpatient Hospice Care Clinically Effective? Using Phase of Illness to Evaluate Care Outcomes for Patients Admitted to a Specialist Palliative Care Unit in Ireland

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Abstract

Background: In health care, clinical effectiveness involves evaluating the degree to which clinical interventions achieve beneficial patient and caregiver outcomes.

Objective: To evaluate the clinical effectiveness of care in a specialist palliative care unit (SPCU) in Ireland, including an analysis of the temporal relationship among admission, Phase of Illness and patient and family distress.

Design/Measurements: A consecutive case series with prospectively collected admission data (n = 400). Using a casemix tool (Phase of Illness), pain, other symptoms, psychological and family distress, and performance status were documented on admission and then daily by medical staff.

Results: Three hundred forty-two (85%) patients had complete data recorded on day 1. After admission, there were linear correlations between days since admission and progressive improvements in pain (Cramer's V=0.131, p<0.001), other symptoms (V=0.206, p<0.001), psychological distress (V=0.101, p<0.001), and family distress (V=0.124, p<0.001). Forty-three percent were in an unstable phase on admission. Nearly two thirds (60.7%) of these unstable patients converted to a stable phase within 48 hours of admission. Over the first 72 hours, 70.7% of unstable patients converted to a stable phase. There was also a significant correlation between phase stabilization and pain and symptom control (p=0.007). Stable phase over the first 4 days and first 14 days was associated with significantly higher performance status.

Conclusion: This study demonstrates the significant clinical effectiveness of SPCU admission across the different aspects of patient and family care.

Keywords: hospice care; inpatients; palliative care; prospective studies; symptoms; treatment outcomes

Background

LINICAL EFFECTIVENESS is defined as the application of the best knowledge, derived from research, clinical experience, and patient preferences to achieve optimum processes and outcomes of care.1 Many measures have been proposed to evaluate the efficiency and effectiveness of palliative care interventions; however, most have not been tested or evaluated prospectively or longitudinally.² Multiple metrics have been evaluated with the aim of demonstrating

clinical effectiveness.3-7 To demonstrate clinical effectiveness, we must monitor our effect on patient and caregiver outcomes and collect data in a manner that is minimally burdensome to patients, caregivers, and staff. In palliative care, five phases of patient illness have been identified: stable, unstable, deteriorating, terminal, and bereaved.8 The Palliative Care Problem Severity Score (PCPSS) is a tool that quantifies case complexity for pain, other symptoms, psychological distress, and family/caregiver distress and scores each domain on a 0-3 basis.9 As such, the overall score is out

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EAPC Blog





European Association for Palliative Care

motor neurone disease cli

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Irish specialist palliative care team awarded Best European Paper of 2020 at EAPC World Congress Online in November 8, 2021 by pallcare

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Mike Lucey, Consultant in Palliative Medicine at Milford Care Centre, Limerick, Ireland, tells us more about the winning paper he co-authored that was awarded 'Best European Paper published in 2020' by 'Journal of Palliative Medicine'. And there is FREE access to the full-text article until 12 December 2021



PCOC Iroland Operations team, left to right: Feargol Twomay and Martina O Reilly (Milford Care Centre), Jacinta Kelly (Sliga Hospice), Brian Creedon (Waterford Regional Hospital), Michael Lucay and Siobhain Caffey (Milford Hospice)

It is a great honour to receive the award for the best European paper published in

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Milford Hospice, Limerick, Ireland.

Faculty of Health, University of Technology Sydney, Ultimo, Australia.

Do we utilise resources efficiently?

Research

The association between phase of illness and resource utilisation-a potential model for demonstrating clinical efficiency?

Michael Lucey, Martina O'Reilly, Siobhain Coffey, John Sheridan, Sue Moran, Feargal Twomey, Marian Conroy, Kathy Eager and David Currow

1988). For a healthcare system to be truly

efficient, it must demonstrate three key aspects of

clinical efficiency: technical efficieny, productive

efficiency and allocative efficiency (Palmer and

Technical efficiency is where there is a clear physical relationship between the resource

(capital or labour) and the health outcome. In a

healthcare context, this could be that an increase

in activity of healthcare staff, or an increased use

of a resource such as a particular medication,

Torgerson, 1999).

Technical efficiency

Abstract Background: Healthcare efficiency involves demonstrating flexible inter-relationships between resource utilisation and patient need. In palliative care, five phases of patient illness have been

identified: stable, unstable, deteriorating, terminal and bereaved. Evaluating the association between

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phase of illness and nursing activities could demonstrate clinical efficiency. Aim: The aim of this study was to evaluate the association between the phase of illness and the intensity of nursing care in a specialist palliative care unit. Methods: This was a prospective, observational cohort study of consecutive admissions (n=400) to a specialist palliative care unit. Patient phase of illness was documented on admission and daily thereafter. A nursing activity tool was developed, which scored daily nursing interventions (physical, psychological, family care and symptom control). This score was called the nursing total score (NTS) and reflected the intensity of nursing activities. Data were entered into SPSS and descriptive statistics weregenerated. Results: A total of 342 (85%) patients had full data recorded on admission. Stable, unstable, deteriorating and terminal phases were associated with progressively increasing median NTSs on days 1, 2, 3 and 4 (all p<0.01). Phase stabilisation from the unstable to the stable phase during this timeframe resulted in reductions in physical care (p=0.038), symptom management (p=0.007) and near-significant reductions in family support (p=0.06). Conclusion: A significant association was demonstrated between phase of illness and intensity of nursing activities, which were sensitive to phase changes, from unstable to stable. This demonstrates technically efficient resource utilisation and identifies a potential efficiency model for future evaluations of inpatient palliative care.

Key words:
hospice care
clinical efficiency
hospitents
hospice care
hospice care

Inical efficiency measures how produced a beneficial outcome for a patient. It tes an activity to an outcome.

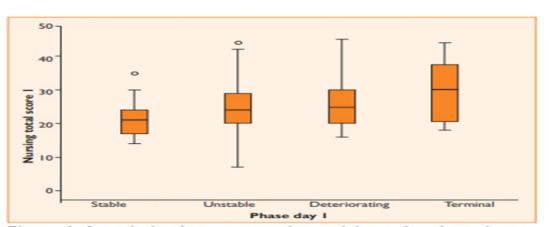
Productive efficiency

Productive efficiency is where there is either the maximisation of a health outcome for a given cost, or the minimisation of a cost for a given health outcome. This is the classic management paradigm of getting the maximum beneficial effect for the minimum investment.

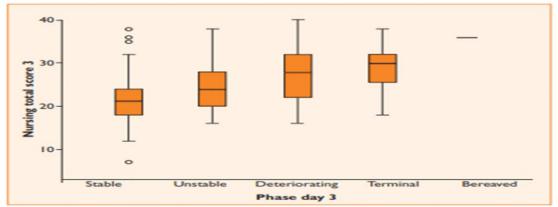
Allocative efficiency

Thereafter, once technical and productive efficiencies have been demonstrated, allocative efficiency is achieved by the health system by ensuring resources are allocated, so as

International Journal of Palliative Nursing June 2022 Vol 28, No 6 Journal Form memorylinality over his 137 101 244 034 on high 1 2022











Triage for Community **Specialist Palliative Care**

Triage team meeting x3 per week Decisions based on:

- Palliative Care Phase
 - Urgency
- **Functional status**
 - OPD/Ambulatory MDT Clinic/ SPC Day Unit/Community
- PCPSS/SAS
 - Severity/ complexity of symptoms
 - Needs medical review?
 - Needs IPU admission?

Short report

Using a validated case mix tool for use in the telephone-assisted triage of patients in a specialist palliative care community setting: a consecutive case series

Emer Hough, Michael Lucey, Martina O'Reilly, Hannah Featherstone 😐 , Feargal Twomey, Siobhan Coffey

ABSTRACT

Objectives Allocating resources in palliative care is challenging due to the nature of life-limiting illness coupled with the propensity for significant physical symptoms and psychological distress. At present, there is no established system for triaging referrals and prioritising resource allocation.

This study aimed to evaluate the feasibility of using a case mix assessment tool for telephoneassisted triaging of referrals to a specialist palliative care service. This assessed a patient's phase of illness, Problem Severity Score (PSS) for complexity of symptom burden and psychological distress, and functional status. Methods Using a prospective consecutive case series approach, 450 referrals to community palliative care over a 6-month period were assessed. Scores for phase of illness, PSS and functional status were assessed at triage, as was the triage category of urgency of response. Results Analysis demonstrated that phase of illness corresponds with triage category, with terminal or unstable phase patients significantly associated with urgent (category 1) referrals and highest priority for review. Decreased functional status and high PSS were useful predictors for increased urgency of referral

WHAT IS ALREADY KNOWN ON THIS TOPIC

⇒ Optimising triage of referrals to community palliative care can facilitate timely intervention and improve symptom control. However, there is no established triage system to implement this.

WHAT THIS STUDY ADDS

⇒ A case mix assessment tool assessing phase of illness, Problem Severity Score and functional status can be used systematically to triage the urgency of referrals to community palliative care. Telephone triage of urgency of referral using this system corresponds to urgency of referral on in person review.

HOW THIS STUDY MIGHT AFFECT RESEARCH, PRACTICE OR POLICY

⇒ The case mix assessment tool can be considered for use in telephone triage of urgency of referrals.

of a corresponding predefined category of urgency to the referral'.2

Enhancing triage systems can facilitate early palliative home care intervention,

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Multidisciplinary Ambulatory Palliative Care Clinic (MAP) Clinic

- Milford Care Centre Central hub
 - IPU/OPD/Specialist Day Unit/Community base
- Regional bases (community):
 - Ennis
 - Newcastle West
 - Thurles & Nenagh
- MDT Ambulatory Palliative Care Clinic (MAP Clinic).
 - Expedite access to comprehensive care & planning
 - Need for ≥ 2 MDT assessments
 - Triage:
 - Phase: Stable/Deteriorating
 - AKPS > 50
 - RUG-ADL <12
 - Willing and able to attend

Community MDT care can to workload.

Australia-modified Karnofsky Performance Status

Complete Definition

Clinician rated assessment of performance relating to work, activity and self-care over a 24hr period

- 100. Normal, no complaints or evidence of disease
- Able to carry on normal activity, minor signs or symptoms of disease
- 80. Normal activity with effort, some signs or symptoms of disease
- Care for self, unable to carry on normal activity or to do active work 70.
- Occasional assistance but is able to care for most needs 60
- Requires considerable assistance and frequent medical care 50.
- 40. In bed more that 50% of the time
- Almost completely bedfast 30.
- Totally bedfast & requiring nursing care by professionals and/or family
- Comatose or barely rousable

Resource Utilisation Group – Activities of Daily Living

Abbreviated Definition

Clinician rated assessment of dependency over 24hr period

For Bed Mobility, Toileting & Transfers

For Eating

- Independent or supervision only
- Limited physical assistance
- Other than two person physical assist
- 5. Two or more person physical assist

- Independent or supervision only
- 2. Limited assistance
- 3 Extensive assistance / total dependence / tube fed

Complete RUG-ADL definitions available on the PCOC website www.pcoc.org.au

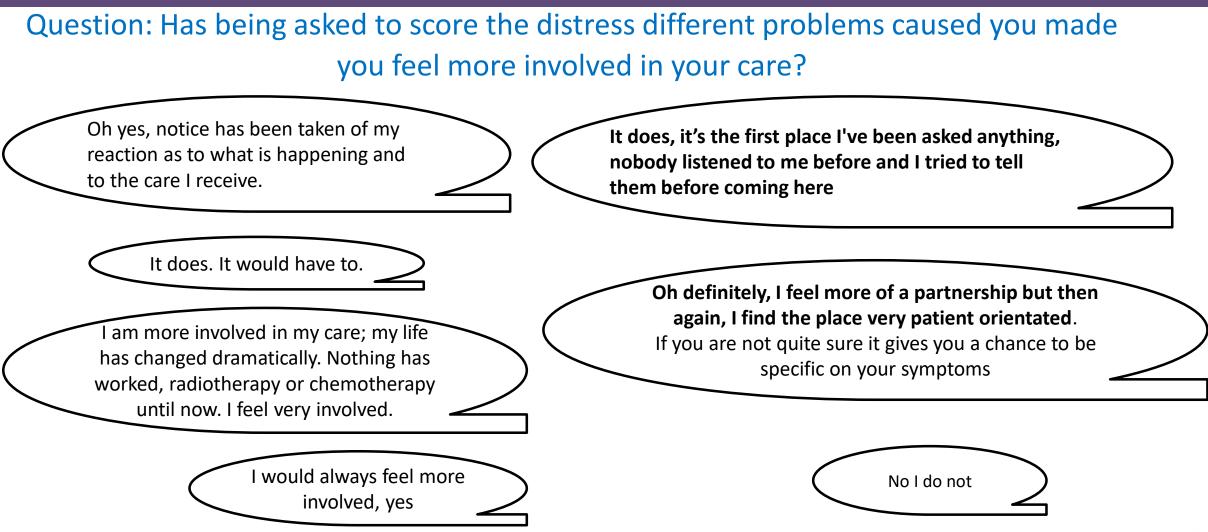
be delayed due

MAP Clinic

- 57 patients evaluated
- Saved 9,021 km & 152 hours of staff travel time
 - €6,700 saved on staff wages for travel time
 - €7,217 saved on associated transport costs
- Preliminary patient/MDT evaluation:
 - 100% of patients found the clinic beneficial
 - 100% of MDT saw clear benefits to the patient & family
 - Helps streamline patient follow-up
 - No need for visits at home for 70%
 - Saves staff time and resources



Patient feedback





Outcome Measures

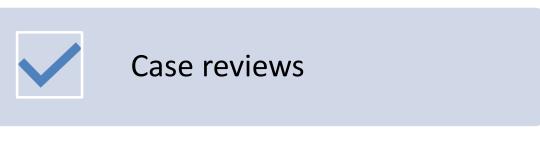
Benchmarks

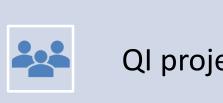
There are 20 benchmarks:

- 1 benchmark on timeliness of care
- 1 benchmark on responsiveness to urgent needs
- 6 benchmarks on pain management*
- 9 benchmarks on symptom management*
- 3 benchmarks on family/carer problems*

some measures are case-mix adjusted

After Review of Reports





第

QI projects

Audits

PDSA cycles

- Managers
- **PCOC Champions**





94Jan-24

Reports you Receive



Outcome Dashboard

*one per setting





Outcomes Report

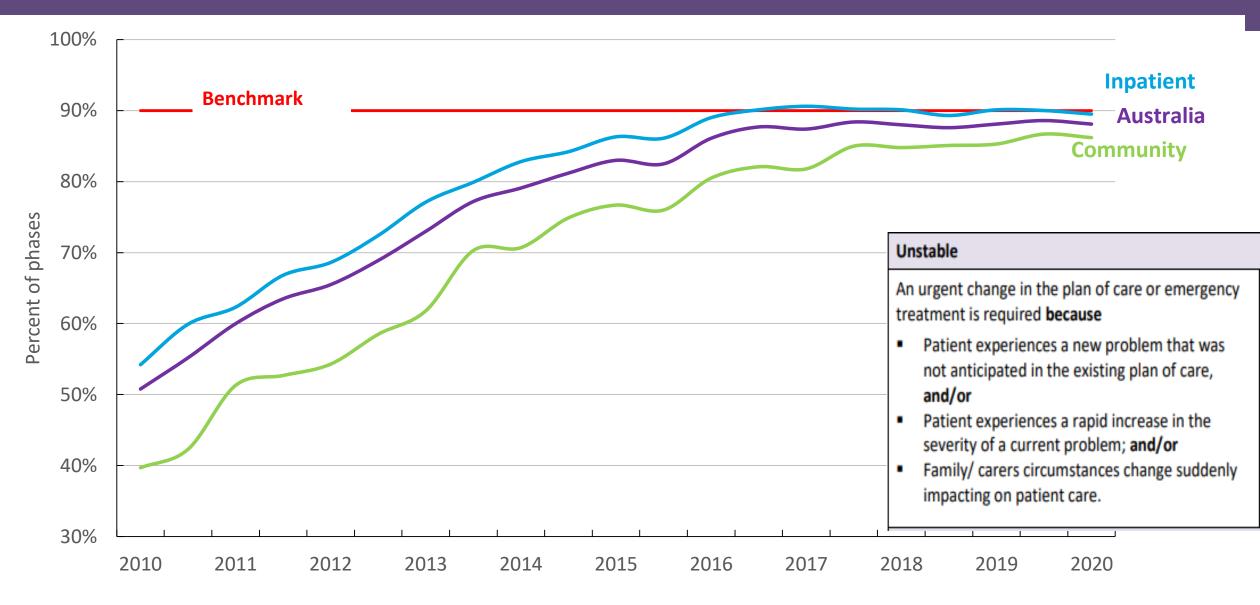
Patient outcomes in palliative care

Supplementary data

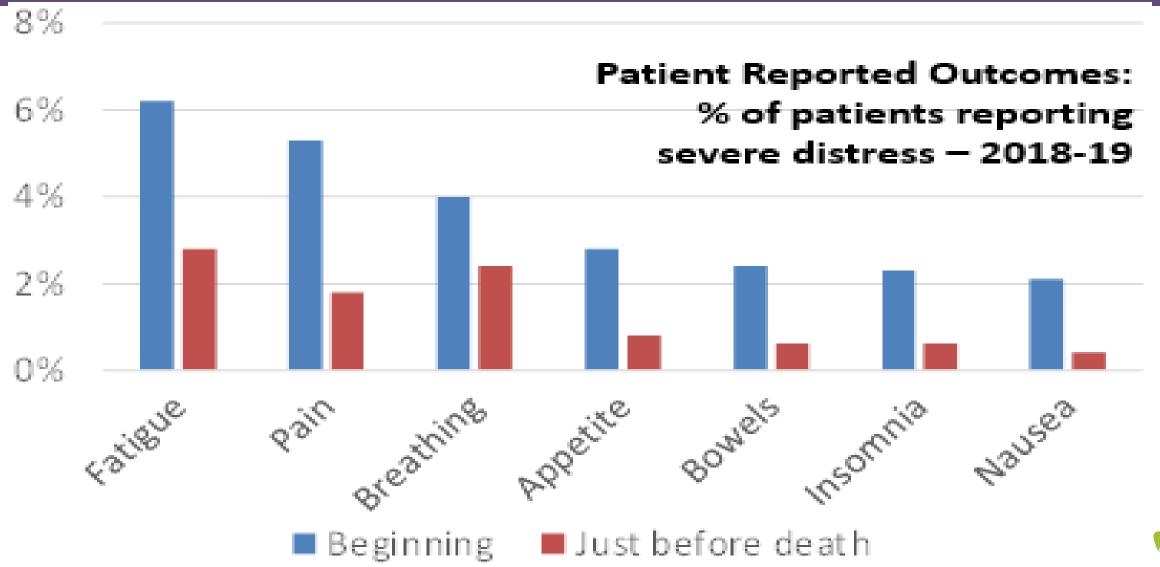
*one per setting



90% Unstable phase \leq 3 days

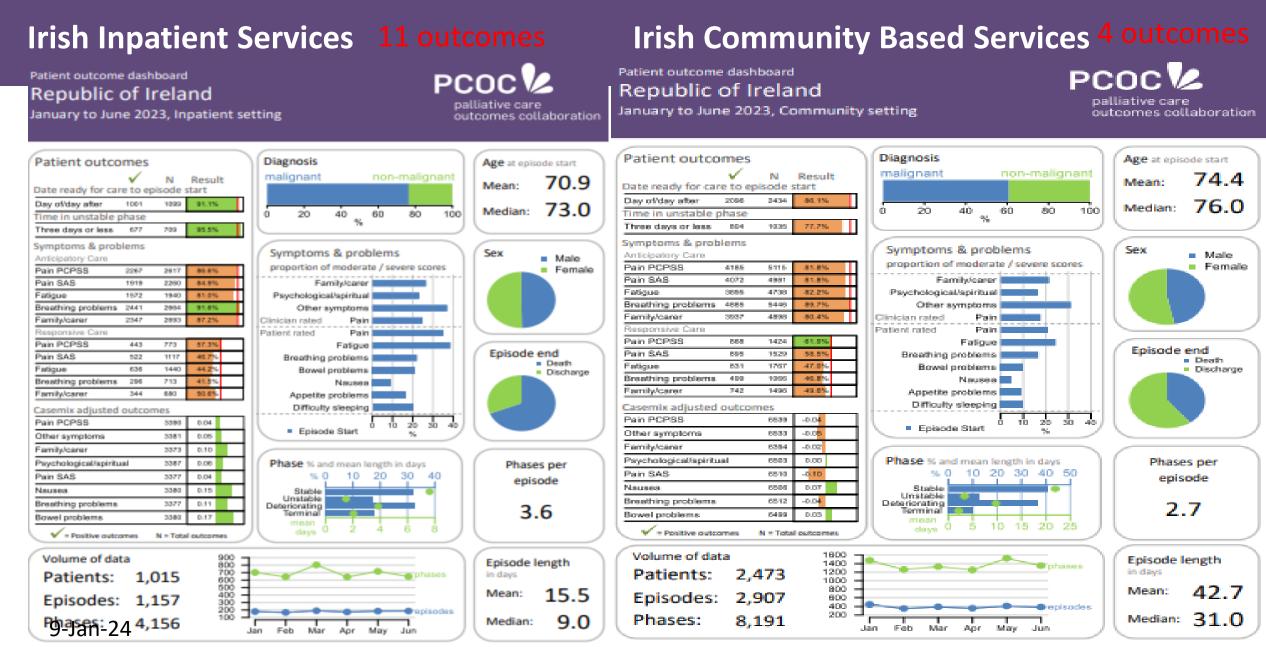


Patient reported outcomes

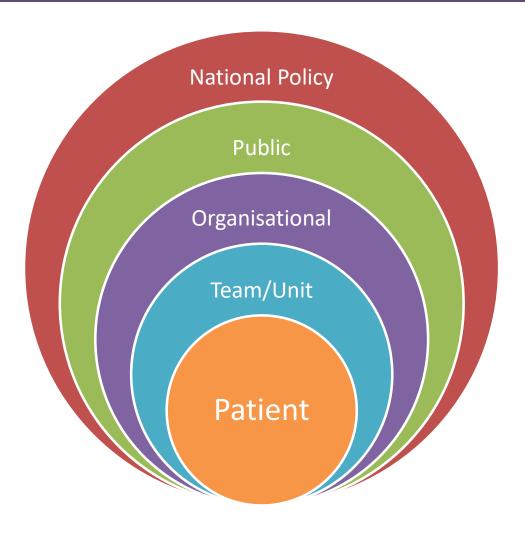


Outcome dashboard report – January to June 2023

17



In conclusion



PCOC can help highlight and influence:

- Urgency of care
- Identify appropriate setting of care
- Resource allocation
- Evaluate and inform new initiatives
- Enhanced models of service delivery

Can aid in securing resources:

- Business case development
- Demonstrating outcomes and benefits of care



Thank you for your time

Any questions?



SPC Inpatient Service

Irish Jan – June 2023 11 outcomes met

Australian Jan to June 2023 16 outcomes met

					-	
Patient outcomes						
	~	N	Result	- U		
Date ready for ca	re to e	pisode s	start	. P		
Day of/day after	1001	1099	91.1%			
Time in unstable	phase				Ī	
Three days or less	677	709	95.5%		17	
Symptoms & prol	blems				s	
Anticipatory Care						
Pain PCPSS	2267	2617	86.6%			
Pain SAS	1919	2260	84.9%		Ē	
Fatigue	1572	1940	81.0%		Ē	
Breathing problems	2441	2664	91.6%		Ē	
Family/carer	2347	2693	87.2%		Ē	
Responsive Care					- F	
Pain PCPSS	443	773	57.3%		Ē	
Pain SAS	522	1117	46.7%		Ē	
Fatigue	636	1440	44.2%			
Breathing problems	296	713	41.5%		Ē	
Family/carer	344	680	50.6%		Ē	
Casemix adjusted	outco	mes				
Pain PCPSS		3390	0.04		Ē	
Other symptoms		3381	0.05			
Family/carer		3373	0.10		Ē	
Psychological/spirit	ual	3387	0.06		Ē	
Pain SAS		3377	0.04		Ē	
Nausea		3380	0.15		- F	
Breathing problems		3377	0.11		Ē	

Positive outcomes N = Total outcomes

0.17

3380

Patient outco	mes		
	~	N	Result
Date ready for car		-	
buy onday and	21539	22162	97.2%
Time in unstable p	hase		
Three days or less	5865	6537	89.7%
Symptoms & prob	lems		
Anticipatory Care			
Pain PCPSS	24000	26423	90.8%
Pain SAS	20572	22714	90.6%
· · · · · · · · · · · · · · · · · · ·	21802	23413	93.1%
Breathing problems	24588	25685	95.7%
r annigreen er	23182	24940	93.0%
Responsive Care			
Pain PCPSS	4090	6218	65.8%
Pain SAS	3752	6127	61.2%
Fatigue	3058	5308	57.6%
Breathing problems	1799	3084	58.3%
Family/carer	2255	3877	58.2%
Casemix adjusted	outco	mes	
Pain PCPSS		32641	0.09
Other symptoms		31987	0.25
Family/carer		28817	0.21
Psychological/spiritu	al	32307	0.21
Pain SAS		28841	0.29
Nausea		28730	0.19
Breathing problems		28769	0.30
Bowel problems		28672	0.30



9-Jan-24

Bowel problems

SPC Community Services

Australian Jan – June 2023 6 outcomes met

Irish Jan – June 2023 4 outcomes met

_				
Patient outco	mes			
	-	N	Result	
Date ready for car	e to e			
Day of/day after	2096	2434	86.1%	
Time in unstable p	hase			
Three days or less	804	1035	77.7%	
Symptoms & prob Anticipatory Care	iems			
Pain PCPSS	4185	5115	81.8%	
Pain PCPSS Pain SAS	4185	4981	81.8%	
Fatique	3895	4738	82.2%	
Breathing problems	4885	5446	89.7%	
Family/carer	3937	4898	80.4%	
Responsive Care	3837	4090	00.4%	
Pain PCPSS	888	1424	61.0%	
Pain PCPSS Pain SAS	895	1424	58.5%	
	831	1767	47.0%	
Fatigue Breathing problems	499	1/6/	46.8%	
Family/carer	742	1496	49.6%	
			49.0%	
Casemix adjusted	outco	mes		
Pain PCPSS		6539	-0.04	
Other symptoms		6533	-0.05	
Family/carer		6394	-0.02	
Psychological/spiritu	al	6503	0.00	
Pain SAS		6510	-0.10	
Nausea		6506	0.07	
Breathing problems		6512	-0.04	
Bowel problems		6499	0.03	
= Positive outco	mes	N = Tota	loutcomes	

	~	N	Resu	It
Date ready for ca	are to ep	oisode s		
Day of/day after	16550	18919	87.5%	6
Time in unstable	phase	•		
Three days or less	3840	4990	77.0%	6
Symptoms & pro	blems			
Anticipatory Care				
Pain PCPSS	24653	28758	85.7%	6
Pain SAS	24455	28478	85.9%	6
Fatigue	20313	24432	83.1%	6
Breathing problem:	s 27131	29051	93.4%	6
Family/carer	21401	25654	83.4%	6
Responsive Care				
Pain PCPSS	3478	5898	59.0%	6
Pain SAS	3475	6110	56.9%	ö
Fatigue	4090	8625	47.4%	6
Breathing problem:	s 1782	3635	49.0%	5
Family/carer	3071	6226	49.3%	5
Casemix adjuste	d outcoi	mes		
Pain PCPSS		34656	-0.05	
Other symptoms		33770	0.03	
Family/carer		31880	0.02	
Psychological/spiri	tual	33831	0.04	
Pain SAS		34588	-0.06	
Nausea		32889	-0.01	
Breathing problem:	s	32686	0.09	
Bowel problems		32343	0.04	

outcomes collaboration