

Disclosures

- •No financial relationships with manufacturers of any commercial product or providers of commercial services.
- •Own no healthcare related shares or stocks.
- •Member of the Royal College of Physicians of London Expert Advisory Group on Commissioning.
- •From January 2022, some consultancy work for Social Finance (non-profit organisation).

Overview

- 1. Health systems: performance and affordability
- 2. Some of the acute challenges we face: demographics, multiple conditions, health inequalities, accessibility of care
- 3. What individual level palliative care outcomes can offer, with some examples of demonstrating impact and value

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Which countries do best at healthcare?

	AUS	CAN	FRA	GER	NETH	NZ	NOR	SWE	swiz	UK	us
OVERALL RANKING	3	10	8	5	2	6	1	7	9	4	11
Access to Care	8	9	7	3	1	5	2	6	10	4	11
Care Process	6	4	10	9	3	1	8	11	7	5	2
Administrative Efficiency	2	7	6	9	8	3	1	5	10	4	11
Equity	1	10	7	2	5	9	8	6	3	4	11
Health Care Outcomes	1	10	6	7	4	8	2	5	3	9	11

Access to care = measures of healthcare's affordability and timeliness

Care process = measures of preventive, safe, coordinated care, engagement/patient preferences

Admin efficiency = how well system reduces paperwork and bureaucracy

Equity = income-related disparities in access to care and care processes

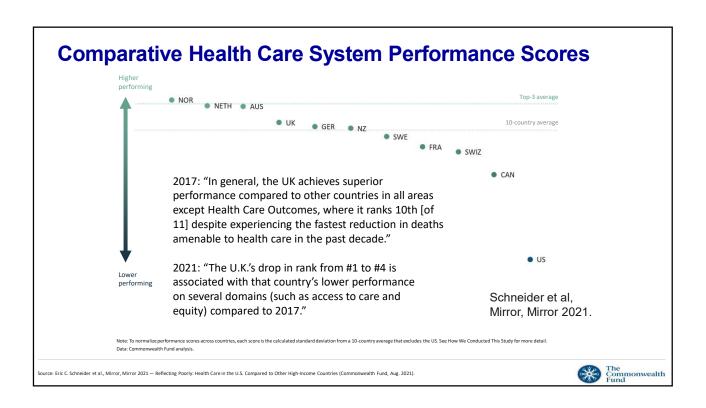
Healthcare outcomes = health outcomes responsive to healthcare

Schneider et al,

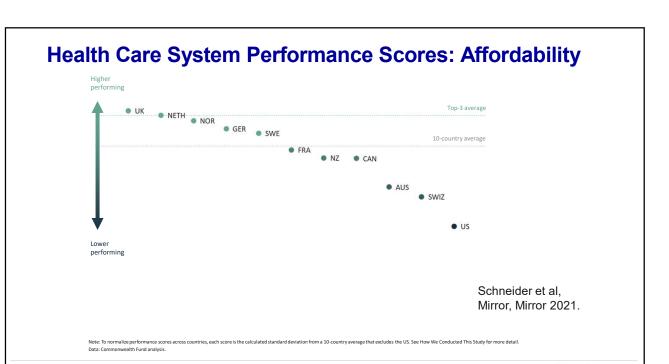
Mirror, Mirror 2021.

ource: Eric C. Schneider et al., Mirror, Mirror 2021 — Reflecting Poorly: Health Care in the U.S. Compared to Other High-Income Countries (Commonwealth Fund, Aug. 2021).





The Commonwealth Fund

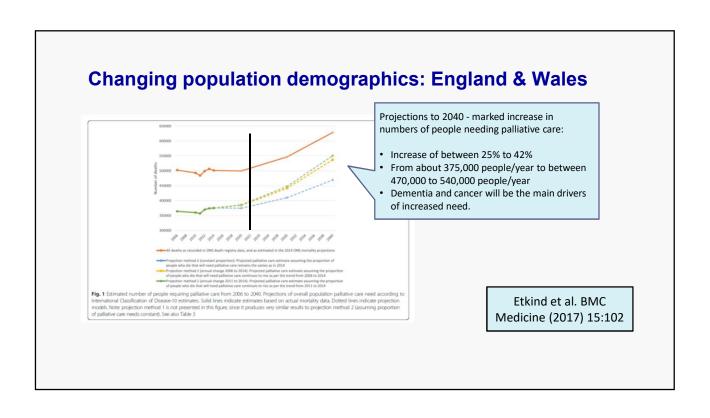


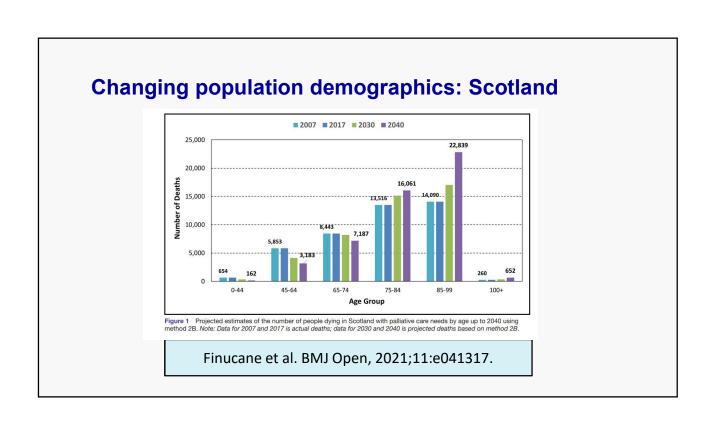
Overview

1. Health systems: performance and affordability

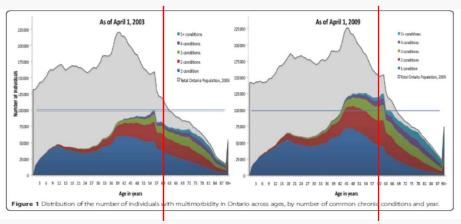
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- 3. What individual level palliative care outcomes can offer, with some examples of demonstrating impact and value





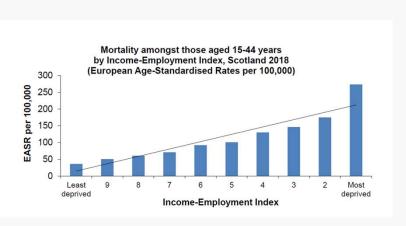
Changing patterns of co-morbidity:



Pefoyo et al. BMC Public Health 2015

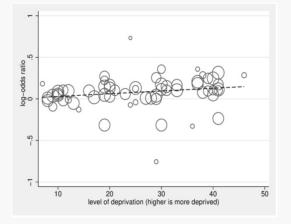
The health inequality gap:

Mortality is much higher much for the most deprived decile, compared to the least deprived decile



Long-term Monitoring of Health Inequalities : January 2020 report from the Population Health Directorate of the Scottish Government.

The inequality gap in specialist palliative care



Linear association between deprivation and log odds of not receiving SPC

Davies et al. Socioeconomic position and use of healthcare in the last year of life: A systematic review and meta-analysis. PLOS Medicine, 2019

Accessibility of palliative care

- 64 UK hospices (inpatient and community), all adult decedents
- 42,758 decedents, median time from referral to death was 48 days
- Significant differences in referral to death days for cancer (53 days) v noncancer (27 days) (p < 0.0001)
- As age increases, the median days from referral to death decreases: for those under 50 years (78 days), 50–74 years (59 days), and 75 years and over (39 days) (p = 0.0001)
- Increasing age significant predictor of fewer days of hospice care, also noncancer diagnosis (p < 0.001)

Allsop et al. Palliative Medicine, 2018, Vol. 32(8) 1322-1333.

Broader challenges in terms of value of palliative care services:

- Not just about 'are we doing a good job?' ... But also:
- Are we reaching the 'right' population?
- Are we caring for those with the more complex needs?
- Relationship (integration) with other health (and social care) services
- What impact are palliative care services really making:
 - For the individuals who receive palliative care
 - And in the context of the whole system of care in last year of life?

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Does palliative care deliver?

Value: 'Patient results (or outcomes) per \$ spent on care'

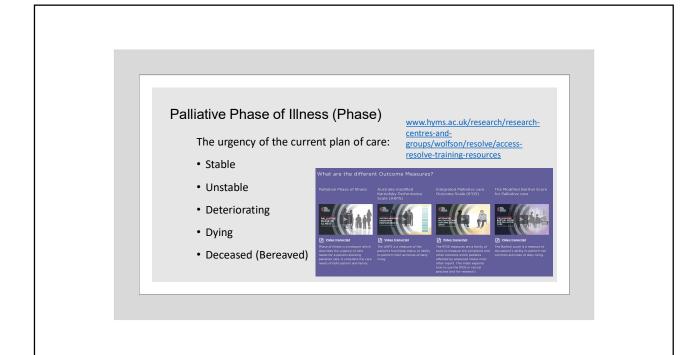
- For everyone within a service?
- Consistently for them over time?
- Effectively and efficiently to all or most of their palliative care needs?
- [Are the right people getting into palliative care at the right time?]
- Other specialities measure outcomes routinely ...

Outcomes-based healthcare

- Core purpose of health system = to maximise health of population
- Health services overriding imperative to deliver maximum benefit per £ spent
- · Quality of care, cost-effectiveness, efficiency, and value
- Cost-effectiveness = costs and health gains (usually of alternative interventions or services). A method for prioritizing the allocation of resources to health interventions by identifying which have potential to yield the greatest improvement in health for the least resources.
 - Implicit: that we know the costs and health gains (outcomes)
 - Implicit: comparison

Three measures in increasing use

- 1. Palliative Phase of illness
 - Australian modified definitions (good reliability)
- 2. Australian modified Karnofsky Performance Scale (AKPS)
 - Measures functional status
 - valid, reliable, in cancer & non-cancer, more discriminatory than ECOG or WHO
- 3. The Integrated Palliative care Outcome Scale IPOS
 - valid, reliable, sensitive to change, brief



Australia-modified Karnofsky **Performance Status** (AKPS)

AKPS ASSESSMENT CRITERIA	SCORE	
Normal; no complaints; no evidence of disease	100	
Able to carry on normal activity; minor sign of symptoms of disease	90	
Normal activity with effort; some signs or symptoms of disease	80	
Cares for self; unable to carry on normal activity or to do active work	70	
Able to care for most needs; but requires occasional assistance	60	
Considerable assistance and frequent medical care required	50	
In bed more than 50% of the time	40	
Almost completely bedfast	30	
Totally bedfast and requiring extensive nursing care by professionals and/or family	20	
Comatose or barely rousable	10	
Dead	0	

Measure of functional status:

Validated for cancer and non cancer populations

1 item/11 options

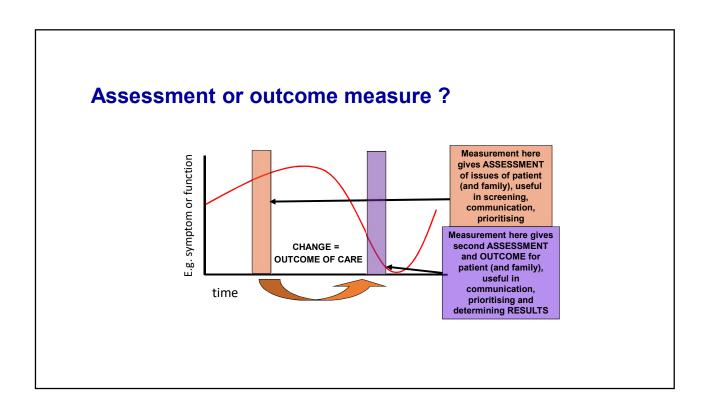
A brief 'global' measure of palliative symptoms & concerns

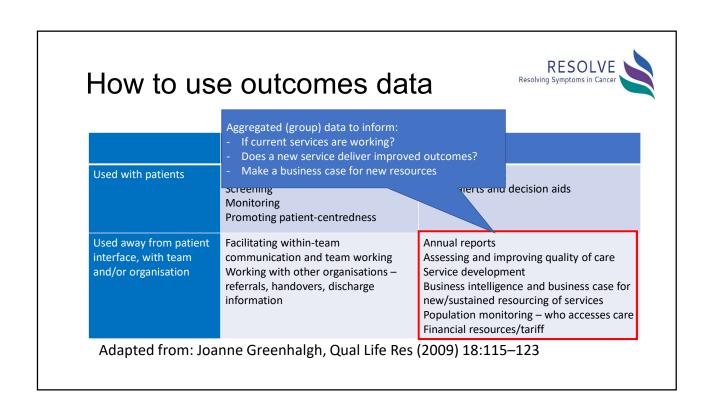
Brief measure which captures main • Versions for use in all settings symptoms and other concerns:

- •Integrated Palliative care Outcome Scale -17 items
- 'Global': symptoms physical and psychological, information needs, family distress, peace, practical



- · Validated for a range of advanced illnesses
- Proxy version if too unwell
- Acceptable, reliable, responsive
- 12 translations already available





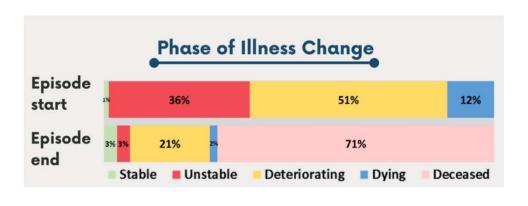


Only a few examples: 1. Numbers and where outcomes measured RESOLVE measured Resolving Symptoms in Cancer

% of episodes with IPOS assessment at episode start 60%

2. What Phase at start and end of episode? Resolving Symptoms in Canc





3. What symptoms when first seen? (all those referred to a service)

RESOLVE Resolving Symptoms in Cancer

at Episode start

- 9 out of 10 patients had:
- lack of energy, poor appetite, poor mobility, anxiety, family anxiety, & lack of peacefulness
- 7 out of 10 patients had:
- pain, dry mouth, drowsiness, depressed mood, inability to share feelings, & insufficient information



4. Change in symptoms/concerns over episode RESOLVE (all those cared for) Change in IPOS over Episode Pain Shortness of Poor mobility breath **Drowsiness** Lack of energy Sore/dry mouth Constipation Vomiting **Episode Start** Poor appetite **Episode End**

5. Improvement in symptoms or concerns by end of episode (for all those cared for)



at Episode end

7 out of 10 of patients had improvement in:

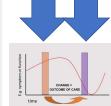
pain, nausea, vomiting, & poor appetite



6 out of 10 of patients had improvement in:

 breathlessness, constipation, dry mouth, drowsiness, depressed mood, peacefulness, & ability to share feelings

*improvement: reduction in IPOS score of 1 or more



What is improvement? A reduction of at least 1 score for the relevant IPOS item

6. Improvement in moderate or severe symptoms or concerns by end of episode

(for those presenting with moderate or severe symptoms)



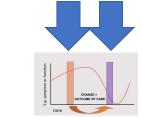
at Start of Episode 9 out of 10 patients had moderate,

severe, or overwhelming:

 lack of energy, poor mobility, & family anxiety

7 out of 10 patients had moderate, severe, or overwhelming:

 pain, poor appetite, drowsiness, anxiety, & lack of peacefulness



at End of Episode

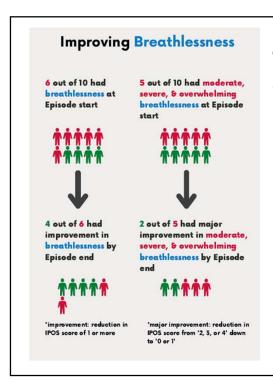
5 out of 10 of patients had major improvement in moderate, severe, or overwhelming:

 pain, shortness of breath, nausea, vomiting, constipation, & drowsiness

 anxiety, depression, peacefulness, ability to share feelings, having information, & practical problems

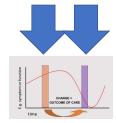


What is improvement? A reduction from 2,3 or 4, to 0 or 1 for the relevant IPOS item



The story of a single symptom or issue: here breathlessness





Summary



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