Data-driven Palliative & EoLC: the view from a managed clinical network

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- Education & Research
- Quality assurance & patient experience







- Workforce and service improvement
- Medicines management

Data-driven palliative & end of life care The wider determinants of health Our health behaviours and lifestyles

Population health

approach

An integrated health and care system The places and communities we live in, and with

Digital palliative & end of life care

Building Blocks of Success



SPC 1 - 2222 Cardiac Arrest Calls at LTHT



Driver Diagram



SPC 3 - Percentage of Patients with a CPR Decision (Pilot Wards)



Data Strategy for Health and Social Care

"....we need to find safe, secure, collaborative and efficient ways to turn that raw data into insights and action, to improve patient care for all."





Equitable High Access Outcomes Quality To care tracked to Care guide care Data available @ PoC 24/7 Research Recognition

Data-driven palliative and end of life care



Level 1 Basic	Level 2 Opportunistic	Level 3 Systematic	Level 4 Differentiating	Level 5 Transformational
 Data is not exploited, it is used D&A is managed in silos People argue about whose data is correct Analysis is ad hoc Spreadsheet and information firefighting Transactional 	 IT attempts to formalize information availability requirements Progress is hampered by culture; inconsistent incentives Organizational barriers and lack of leadership Strategy is over 100 pages; not business-relevant Data quality and insight efforts, but still in silos 	 Different content types are still treated differently Strategy and vision formed (five pages) Agile emerges Exogenous data sources are readily integrated Business executives become D&A champions 	 Executives champion and communicate best practices Business-led/ driven, with CDO D&A is an indispensable fuel for performance and innovation, and linked across programs Program mgmt mentality for ongoing synergy Link to outcome and data used for ROI 	 D&A is central to business strategy Data value influences investments Strategy and execution aligned and continually improved Outside-in perspective CDO sits on board















Measure what matters







NHS Digital > Services > Secondary Uses Service (SUS)

Secondary Uses Service (SUS)

The Secondary Uses Service (SUS) is the single, comprehensive repository for healthcare data in England which enables a range of reporting and analyses to support the NHS in the delivery of healthcare services.

Bereaved Carers Survey about End of Life Care in Leeds

People's experiences of end of life care and support for their loved ones in hospices, hospitals, in their own homes and care homes

January to March 2020



7-1

Digital PPM+

Digital Innovation

Data Reporting

EPaCCS





Age Code Sex Code Ethnicity Code Postcode (translated to 4 digits for analysis) Practice population Practice population Code Palliative Care Code Date Code Carer assessment Code Long term conditions Code Dementia Code Patkinson's Disease Code Prace of Care / Residential Status Code Preferred Place of Care Code Learning Disabilities Code Severe Mental Illness Code Pattern involvement codes Code What Matters to Me / Personalised Care Plan Code Advance Care Plan Code Advance Care Plan Code Preferred Place of Death Code Orde Date Date Preferred Place of Death Code Code Date Date ReSPECT Code Date Preferred Place of Death Code Date Out Acting at the system Code Date Date of death <	NHS number		
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DSA





NHS Leeds CCG 2020/21 Report (Q2) - CCG Level	EPaCCS Outcome Report	
2020/21 Report (Q2) - CCG Level	NHS Leeds CCG	
	2020/21 Report (Q2) - CCG Level	

Data Source :	SystmOne and EMIS
Data Provided by :	Health Care Hub (Leeds), Leeds Community Healthcare, St Gemma's Hospice, Sue Ryder Wheatfields Hospice and Data Quality Team (NHS Leeds CCG)
Report Complied by :	Business Intelligence Team, NHS Leeds CCG

- % adults who die with EPaCCS
- > % adults who die in/out of hospital
- % cancer/non-cancer diagnosis
- Preferred place of death
- Actual place of death
- % Preferred place of death achieved
- No. patients: elective/unplanned admissions./ED attendance last 90 days + costs
- Total bed days elective/unplanned last
 90 days
- Median/mean number bed days/person last 90 days
- Length of stay: unplanned admissions
- % 3 or more unplanned admissions last
 90 days
- Reasons for admission
- ReSPECT code
- Ethnicity data



Bereaved Carers Survey about End of Life Care in Leeds

People's experiences of end of life care and support for their loved ones in hospices, hospitals, in their own homes and care homes

January to March 2020

Your independent watchdog ensuring people's voices are at the heart of shaping health and care services in Leeds.

3. Do you feel that your relative or friend died in the right place? (Please tick one only) OYes O No ODon't Know

If no please tell us more below.

4. During this time how satisfied were you with the care given to your friend or relative in each of the following areas. (Please tick one per row)

	Very satisfied	Satisfied	Neither satisfied nor dissatisfied	Dissatisfied	Very dissatisfied	NA
Relief of pain	0	0	0	0	0	0
Relief of symptoms other than pain (e.g. nausea, restlessness)	0	0	0	0	0	0
Religious, cultural & spiritual support	0	0	0	0	0	0
Respecting wishes before and after death	0	0	0	0	0	0
Being cared for with privacy and dignity	0	0	0	0	0	0
Personal care e.g. help with washing/ going to the toilet/ change of position	0	0	0	0	0	0

% who died with an EPaCCS (digital ACP) record

% satisfied/very satisfied with symptom management

% with 3 or more unplanned hospital admissions in last 90 days of life

% who achieved their preferred place of death

Health Needs Data Update End of Life Care Services for Adults in Leeds

Inequalities



On behalf of the Director of Public Health, Leeds City Council

Date December 2019



Ethnicity	Number of patients	Proportion of EPaCCS records	2011 census proportion
White	5131	87.55%	85.0%
Mixed/Multiple ethnic groups	15	0.25%	2.7%
Asian/Asian British	131	2.23%	7.7%
Black/African/Caribbean/Black British	70	1.20%	3.5%
Other ethnic group/not defined	255	4.34%	1.1%
Missing data	259	4.42%	-

- Fewer people of black & mixed ethnicity had PPD recorded or achieved PPD
- Fewer men had EPaCCS & lower % had PPD recorded or achieved PPD
- Two of three postcode districts with achievement of less than 60% two were in more deprived wards

Example of the Leeds Data Model





Whole Population Data

PROMs/PCOMs

Interoperability/Linkage across all data-sets

Advanced analytics

Data strategy

Strengths

- Strong foundational relationships
- Strong clinical, digital, IG, analyst engagement
- Strategically aligned
- Seen as a CCG priority
- Engagement with wider structures: city, ICS
- Digital developments: data-need considered from outset
- Data multi-use: LPCN, public health, AUPC, primary care

Challenges

- Governance
- Data quality: place of death, diagnosis
- Timing: challenges with reliable reporting schedule
- Optimal means of display how much information
- BCS: response rate, language + cultural barriers
- Culture- feels peripheral
- Routine Project level data
- Challenges: other rata e.g. education & training

Enthusiasm/persistence

Opportunism

Level 1 Basic	Level 2 Opportunistic	Level 3 Systematic	Level 4 Differentiating	Level 5 Transformational		
 Data is not exploited, it is used D&A is managed in silos People argue about whose data is correct 	 IT attempts to formalize information availability requirements Progress is hampered by culture; inconsistent incentives 	 Different content types are still treated differently Strategy and vision formed (five pages) Agile emerges 	 Executives champion and communicate best practices Business-led/ driven, with CDO D&A is an 	 D&A is central to business strategy Data value influences investments Strategy and execution aligned 		
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D&A = data and analytics; ROI = return on investment

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Strateg

Relationships

"Data! Data! Data!' he cried impatiently. 'I can't make bricks without clay.'"