

EHMA 2024

Shaping and managing innovative health ecosystems

End-of-life care for cancer patients: views and perceptions of community and hospital-based professionals

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5 - 7 June 2024 - Bucharest, Romania

Politehnica University of Bucharest, Bucharest, Romania





Overview

End-of-life care for cancer patients: views and perceptions of community and hospital-based professionals

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The research has received funding from Regione Toscana under Grant Agreement NET-2016-02363853-4 (Project CARE-NETS) Bando della Ricerca finalizzata 2016, Ministero della Salute.

Tracks: Management, operations and practice

Topics: *Healthcare access, delivery and outcomes*



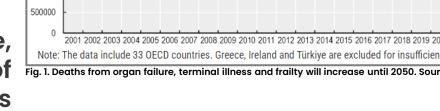


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Context: End of Life care and key challenges

- End-of-Life care (EOLC): last stage palliative care (PC) and curative care provided to patients and families in the last 12 months of life [1].
 - Prognostic inaccuracy, and difficulty in recognizing treatment futility and in implementing a course of care hinder the quality of EOLC [2,3].

The need of EOLC is increasing worldwide, with a forecast of nearly 10 million of people in need by 2050 in OECD countries [1] (Figure 1).



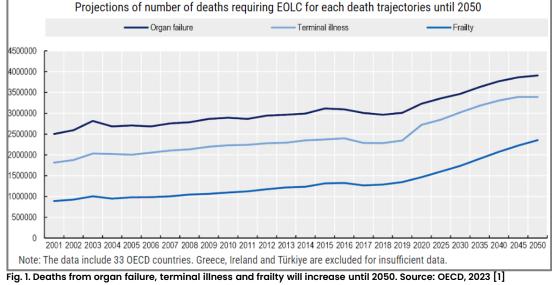


Figure 1.2. Deaths from organ failure, terminal illness and frailty will increase until 2050

In Italy, the average rate of dying cancer patients assisted by the PC network at home/hospice was of 28% in 2021, only improved by three points since 2017 [4]. In the country, regional variability and limited hospital-community integration affect EOLC delivery [5].





Ref. [1]. OECD Time for Better Care at the End of Life. 2023. DOI: https://doi.org/10.1787/722b927a-en. [2] Parikh, R.B., et al. Trajectories of mortality risk among patients with cancer and associated end-of life utilization. npj Digital Medicine, 2021. 4, 104 DOI: https://doi.org/10.1038/s41746-021-00477-6. [3] Travis, S.S., et al. Obstacles to palliation and end-oflife care in a long-term care facility. The gerontologist, 2002. 42, 342-349 DOI: https://doi.org/10.1093/geront/42.3.342. [4] Sistema di Valutazione delle Performance. [cited 2024] Februrary]; Available from: https://perrormerseantannapisa.it/pes/start/start.php [5] Ministero della Salute, D.g.d.p.s.U., Monitoraggio dei LEA attraverso il Nuovo Sistema di Garanzia, DM 12 marzo 2019, 2023,





Context: Tuscany, a region in the center of Italy

The healthcare system of the Tuscany region (Figure 2) is almost exclusively public, with three Local-Health-Authorities (LHAs): the North-West LHA, the Center LHA and the South-East LHA. Each LHA geographic area is served also by a



Available

from:

Teaching Hospital (TH).

The regional PC network comprises home PC units, hospices, hospitals, nursing homes, and residences for disabled patients. 17 LHA PC Functional-Units (FUs) assist advanced/EOL patients at home, hospice, and hospital (Figure 3).

In Tuscany region, 40% of cancer patients at EOL are cared by the PC network [4]. The unwarranted variation in EOLC is large in the region (e.g. place of care and place of death) [6].



Fig. 3. Distribution of FUs in Tuscany region



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[6] Ferrè, F., Vinci, B. and Murante, A.M. Performance of care for end-of-life cancer patients in Tuscany: The interplay between place of care, aggressive treatments, opioids, and place of death. A retrospective cohort study. The International Journal of Health Planning and Management 2019 3/ 1251-126/ DOI:







Aim of the research and methods

Objective: to describe the state-of-art of EOLC organization and management for adult cancer patients in Tuscany, professional and patient/caregiver needs, from professionals' perspectives.

Methods: a multidisciplinary team of researchers developed two online surveys (*) tailored to Directors of FUs at community level and Directors of hospital-based medical-oncology units.

Survey themes:

- (1) Medical management;
- (2) Continuity of care and transition;
- (3) Patient and family factors;
- (4) Expertise and training;
- (5) Concerns and challenges to EOLC delivery.

The questionnaire tailored to FU Directors was delivered from February 2023 to March 2023. The survey targeting hospital-unit Directors was launched in June 2023 and closed in October 2023.

Data from completed surveys were analyzed at regional and LHA level.

^(*) A parallel investigation implemented the surveys with focus on Heart Failure (HF) patients (Quattrone et al, 2024).



Results (1/4)

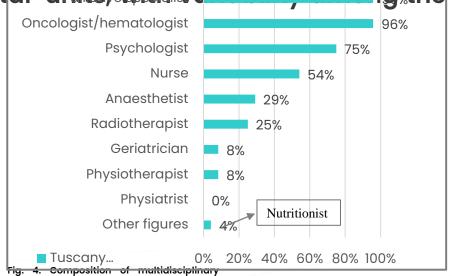


- All FUs' Directors (n=14), and 96% of hospital-units' Directors (n=25) replied to the surveys.
- Hospital-units offer several PC services to adult cancer patients, such as outpatient visits (86%) and multi-professional counseling by a medical-nursing team at home (64%) or within acute hospitalization (61%). Early-PC is offered simultaneously with curative care (96%).

- Survival and need for PC are predicted by means of clinical assessment (75%) and less frequently with standardized scales at hospital-units white his critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with standardized scales at hospital-units whitehast critical assessment (75%) and less frequently with the scale as a second control of the scale as a second contro

LHAs.

In 86% of hospital-units, EOLC is delivered by a multidisciplinary team. Team members: PC specialists (96%), oncologists/hematologists (96%), psychologists (75%). There is variability in engaging other professionals, like nurses (50%) and geriatricians (8%) (Figure 4).





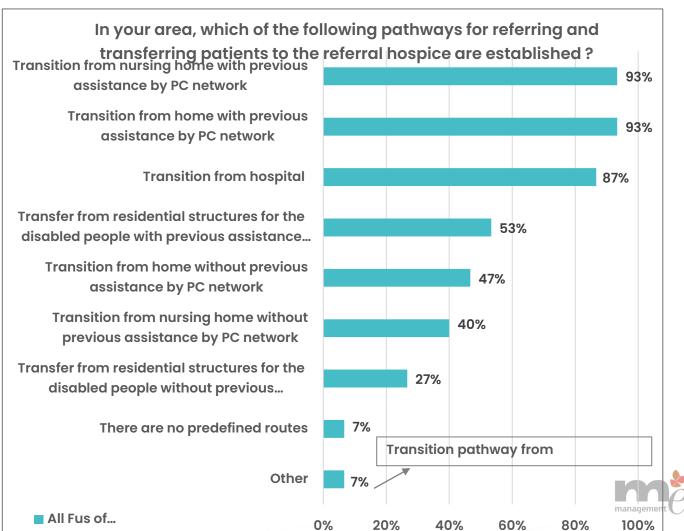


Results (2/4)



- Transition pathways from hospital to hospices are present in 87% of FUs.
- When patients are assisted by the PC network, from home and nursing homes the pathways to hospice are established in most cases, while they are available in 50% of FUs from residences for disabled patients.
- When patients are not assisted by the network, pathways from home (47%), nursing homes (40%) and residences for disabled patients (27%) are less frequently available (Figure 5).
 - Pathways to co-manage the patients transferred to hospice with oncology hospital-units are available at 60% of FUs, Withmostion pathways

variability among LHAs.







Results (3/4)

Hospital and community-based professionals show similar perceptions on EOLC, but with some exceptions: FU Directors do believe communication on PC to the public and early discussions on EOLC with caregivers should be enhanced, while hospital-unit Directors are less sensitive to these issues (Table 1):

Issues	FU Director s	Hospital-unit Directors
Specific <u>training of hospital personnel</u> should be improved.	87%	82%
<u>Developing shared pathways</u> between organisations (and professionals) is needed to enhance EOLC for cancer patients.	82%	80%
Currently, patient information exchange is mainly based on contact between professionals. <u>Implementing digital information systems</u> can support the development of EOLC for cancer patients.	80%	61%
Specific <u>training of community professionals</u> should be improved. Tab 1. Perceptions of FU Directors and hospital-unit Directors on EOLC provision to cancer patients	73%	68%
Communication on PC to the public should be enhanced.	87%	39%
Early discussions on EOLC with caregivers should be	73%	57%



enhanced







Results (4/4)

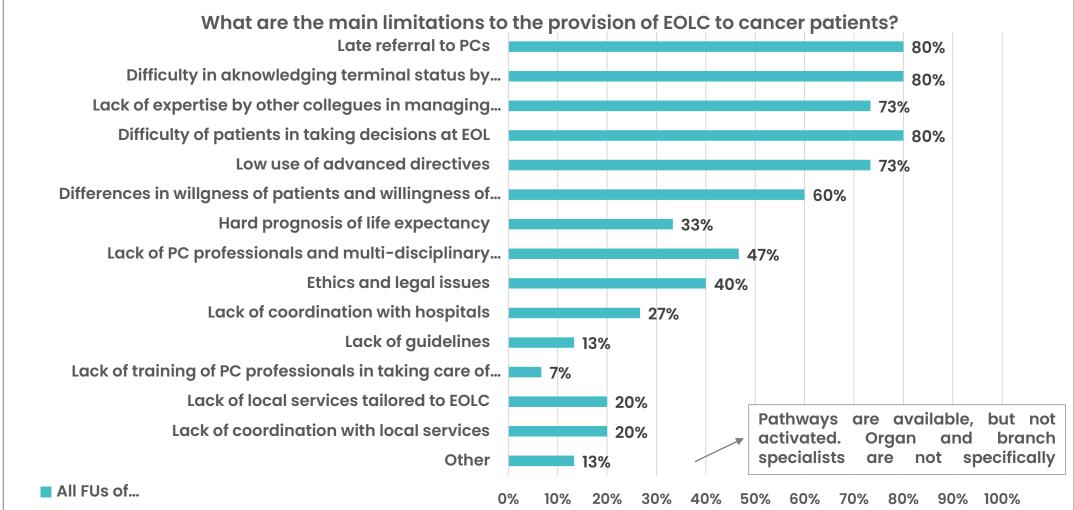






Fig. 6 Flows to EOLC





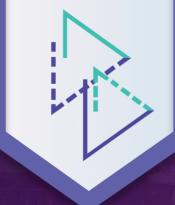
Discussion

Highlights on results:

- many dedicated services are available for cancer patients
- EOLC delivery presents variability among and within LHAs (professionals involved, pathways, procedures, tools)
- transition pathways are heterogeneous among organizations
- multi-professional care often is not supported by information sharing
- systems
- late referral to PC is perceived among the main challenges of EOLC specific training for hospital/community personnel should be enhanced







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Thank you

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