

EVIDENCE SUMMARY: KEY PAPERS

The InterACT study builds on previous work by the InterACT investigator team and University of Queensland and Queensland University of Technology researchers. It aims to promote appropriate care and treatment decisions and pathways for the older patient population in three major Queensland hospitals. Specifically, it will assess the impact on patient outcomes of implementing a prospective feedback loop intervention that flags a patient's risk profile to treating clinicians.

NON-BENEFICIAL TREATMENT

International prevalence

Cardona-Morrell M, Kim JCH, Turner RM, Anstey M, Mitchell IA, Hillman K. Non-beneficial treatments in hospital at the end of life: A systematic review on extent of the problem. *International Journal for Quality in Health Care* 2016;28(4):456-69.

DOI: [10.1093/intqhc/mzw060](https://doi.org/10.1093/intqhc/mzw060)

Queensland prevalence and associated costs

Carter HE, Winch S, Barnett AG, Parker M, Gallois C, Willmott L, et al. Incidence, duration and cost of futile treatment in end-of-life hospital admissions to three Australian public-sector tertiary hospitals: a retrospective multicentre cohort study. *BMJ open*. 2017;7(10):e017661.

DOI: [10.1136/bmjopen-2017-017661](https://doi.org/10.1136/bmjopen-2017-017661).

Factors that influence non-beneficial treatment

Carter HE, Lee XJ, Gallois C, Winch S, Callaway L, Willmott L, et al. Factors associated with non-beneficial treatments in end of life hospital admissions: a multicentre retrospective cohort study in Australia. 2019;9(11):e030955.

DOI: [10.1136/bmjopen-2019-030955](https://doi.org/10.1136/bmjopen-2019-030955)

Willmott L, White B, Gallois C, Parker M, Graves N, Winch S, et al. Reasons doctors provide futile treatment at the end of life: a qualitative study. *Journal of Medical Ethics*. 2016;42(8):496-503.

DOI: [10.1136/medethics-2016-103370](https://doi.org/10.1136/medethics-2016-103370)

Hillman KM, Cardona-Morrell M. The ten barriers to appropriate management of patients at the end of their life. *Intensive care medicine*. 2015;41(9):1700-2.

DOI: [10.1007/s00134-015-3712-6](https://doi.org/10.1007/s00134-015-3712-6)

Close E, White BP, Willmott L, Gallois C, Parker M, Graves N, et al. Doctors' perceptions of how resource limitations relate to futility in end-of-life decision making: a qualitative analysis. 2019: *Med Ethics*-2018-105199.

DOI: [10.1136/medethics-2018-105199](https://doi.org/10.1136/medethics-2018-105199)

THE INTERACT STUDY INTERVENTION

The Criteria for Screening and Triaging to Appropriate aLternative Care (CriSTAL) tool

Cardona-Morrell M, Hillman K. Development of a tool for defining and identifying the dying patient in hospital: Criteria for Screening and Triaging to Appropriate aLternative Care (CriSTAL). *BMJ Supportive & Palliative Care*. 2015;5(1):78-90.

DOI: [10.1136/bmjspcare-2014-000770](https://doi.org/10.1136/bmjspcare-2014-000770)

Cardona M, Lewis ET, Kristensen MR, Skjot-Arkil H, Ekman AA, Nygaard HH, et al. Predictive validity of the CriSTAL tool for short-term mortality in older people presenting at Emergency Departments: a prospective study. *European geriatric medicine*. 2018;9(6):891-901.

DOI: [10.1007/s41999-018-0123-6](https://doi.org/10.1007/s41999-018-0123-6)

Cardona M, O'Sullivan M, Lewis ET, Turner RM, Garden F, Alkhoury H, et al. Prospective Validation of a Checklist to Predict Short-term Death in Older Patients After Emergency Department Admission in Australia and Ireland. *Academic emergency medicine: official journal of the Society for Academic Emergency Medicine*. 2018;00 1– 11.

DOI: [10.1111/acem.13664](https://doi.org/10.1111/acem.13664)

The Supportive and Palliative Care Indicators Tool (SPICT™)

Hight G, Crawford D, Murray SA, Boyd K. Development and evaluation of the Supportive and Palliative Care Indicators Tool (SPICT): a mixed-methods study. *BMJ Supportive and Palliative Care*. 2014;4(3):285-90.

DOI: [10.1136/bmjspcare-2013-000488](https://doi.org/10.1136/bmjspcare-2013-000488)

De Bock R, Van Den Noortgate N, Piers R. Validation of the Supportive and Palliative Care Indicators Tool in a Geriatric Population. *J Palliat Med*. 2018;21(2):220-4.

DOI: [10.1089/jpm.2017.0205](https://doi.org/10.1089/jpm.2017.0205)

Mudge AM, Douglas C, Sansome X, Tresillian M, Murray S, Finnigan S, et al. Risk of 12-month mortality among hospital inpatients using the surprise question and SPICT criteria: a prospective study. *BMJ Supportive and Palliative Care*. 2018;8(2):213-20.

DOI: [10.1136/bmjspcare-2017-001441](https://doi.org/10.1136/bmjspcare-2017-001441)

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