



## Cancer patients who present as an emergency in England, by CCG and Cancer Alliance

### Main findings

The latest quarterly emergency presentations of cancer figures, at national and CCG level, show that:

- Between January to March 2019, of 67, 020 cancer patients first presenting at hospital in England, 11,666 (17.4%) presented as an emergency; this represents a decrease from the previous quarter (October to December 2018) when the proportion was 18.3%
- in England, the annual average proportion of cancer patients who first presented as an emergency has gradually fallen over the last five years reported, from 20.1% in April to March 2014/2015 to 18.3% in April to March 2018/2019
- at Clinical Commissioning Group (CCG) level, there was a large variation in the proportion of cancer patients who first presented as an emergency in the most recent quarter (January to March 2019); across the 191 CCGs the proportion varied from 10.3% to 30.6%, with an interquartile range\* of 15.2% to 19.3%. The lowest percentages reported are likely to reflect the incompleteness of the Hospital Episode Statistic (HES) data, rather than the true proportion of emergency presentations in the CCG
- over the last five years reported (between April to March 2014/2015 and April to March 2018/2019) the proportion of cancer patients presenting as an emergency has fallen for 143 CCGs, and either risen or remained unchanged for 48 CCGs
- at a Cancer Alliance level, the proportion of cancer patients who first presented as an emergency in the most recent quarter (January to March 2019) varied from 14.7% to 19.5%, with an interquartile range\* of 16.3% to 18.4%

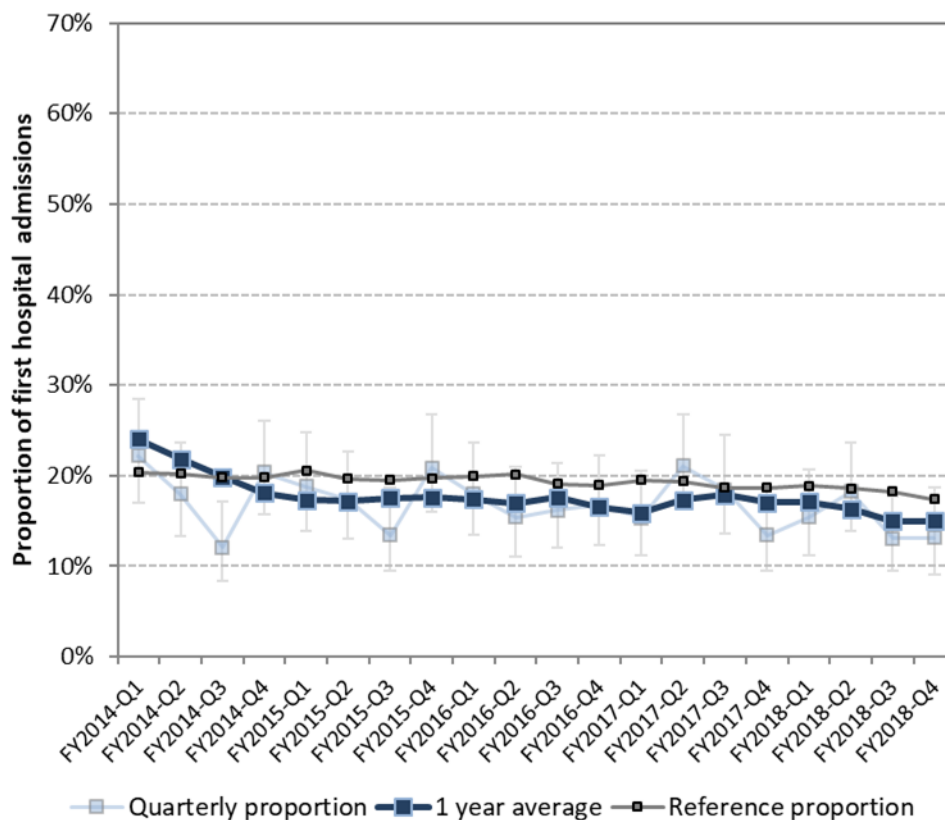
\*The interquartile range describes the distribution of values from the 25% to 75% percentile, and therefore covers half of the range in values around the median (average).

## Summary

The accompanying spreadsheets present the proportion of all patients with malignant cancer (excluding non-melanoma skin cancer) who present as an emergency at CCG level, by Cancer Alliance, and nationally, both quarterly and with a 1-year rolling average (which combines the result for the latest quarter with those from the previous three quarters). The most recently available results are for January to March 2019 (financial year Q4, 2018/2019), with trends available from Apr to Jun 2014 (Q1).

[http://www.ncin.org.uk/cancer\\_type\\_and\\_topic\\_specific\\_work/topic\\_specific\\_work/cancer\\_outcome\\_metrics](http://www.ncin.org.uk/cancer_type_and_topic_specific_work/topic_specific_work/cancer_outcome_metrics)

**Figure 1. Trend in the proportion of first hospital admissions that are emergencies in England (reference) and for an example CCG**



## Background

Emergency presentation is an important predictor of cancer outcomes: patients with cancers that present as an emergency suffer significantly worse outcomes. The [recent cancer strategy for England](#) recommended that the proportion of emergency presentations should be regularly reported and reviewed. The metric estimates the proportion of emergency presentations using first admissions to hospital as a proxy for emergency diagnosis. This allows more rapid reporting.

### Notes on interpretation

There are some cancers where emergency presentation may be the most appropriate route to diagnosis, e.g. in children's cancers where the first symptom of underlying cancer is likely to result in an emergency presentation regardless of whether there is a suspicion of cancer or not.

While a fall in emergency presentations may correlate with improved survival, this is not necessarily a direct cause and many other factors will be involved.

The denominator is all tumours identified from Admitted Patient Care Hospital Episode Statistics (HES) and therefore does not include all diagnosed tumours registered by the National Cancer Registration and Analysis Service (NCRAS). Consequently, the results presented here may differ from publicly available results such as [Routes to Diagnosis](#).

The indicator is not adjusted for case-mix. In particular CCGs/Alliances with an older population can expect to see a larger number of emergency presentations. CCGs/Alliances with a larger number of lung cancers (due to smoking prevalence) or smaller number of breast cancers (due to broader socio-economic factors) can also expect to see a larger proportion of emergency presentations.

The number of cancer patients reported in each quarterly set of emergency presentation results can change over time, due to additional cancer registration information becoming available. As such, the historical quarterly percentages reported may also be subject to small changes.

Smaller numbers at CCG level will result in large variability in emergency presentations, and larger confidence intervals.

### Further Information

A document, further detailing the data sources and methodology used to create the emergency presentations indicator, is available to download [here](#):

<http://www.ncin.org.uk/view?rid=3058>

Other background information is also available:

- Cancer Outcome Metrics:  
[http://www.ncin.org.uk/cancer\\_type\\_and\\_topic\\_specific\\_work/topic\\_specific\\_work/cancer\\_outcome\\_metrics](http://www.ncin.org.uk/cancer_type_and_topic_specific_work/topic_specific_work/cancer_outcome_metrics)
- Routes to Diagnosis: [http://www.ncin.org.uk/publications/routes\\_to\\_diagnosis](http://www.ncin.org.uk/publications/routes_to_diagnosis)
- Independent Cancer Taskforce Strategy:  
[http://www.cancerresearchuk.org/sites/default/files/achieving\\_world-class\\_cancer\\_outcomes\\_-\\_a\\_strategy\\_for\\_england\\_2015-2020.pdf](http://www.cancerresearchuk.org/sites/default/files/achieving_world-class_cancer_outcomes_-_a_strategy_for_england_2015-2020.pdf)

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