Background
The Systemic Anti-Cancer Therapy (SACT) dataset is a unique source of national, real-world data reporting chemotherapy activity delivered by NHS treatment providers in England. SACT data are collected with the intent of improving disease-free or progression-free survival.

Main aim
The SACT dataset aims to provide a detailed resource on systemic treatments delivered in secondary and tertiary settings in England for patients with cancer.

Approach
The SACT dataset is collected and curated by the National Cancer Registration and Analysis Service (NCRAS) at Public Health England. The dataset was launched in a phased implementation from April 2012. From April 2014 submission of SACT data became mandatory for all NHS treatment providers. Data are collected on the patient, tumour, regimen, treatment cycle, drug details, and treatment outcomes. The SACT dataset can be linked to other data held by NCRAS, for example the cancer registry [1], Hospital Episodes Statistics [2], and the national Radiotherapy Dataset to provide a complete picture of the cancer patient pathway.

Results
The SACT dataset is being used: for the appraisal of drugs funded through the Cancer Drugs Fund; to review the quality of cancer care as part of the National Cancer Audits; and for observational research purposes, including investigating 30-day mortality following chemotherapy in patients with stage IV lung, oesophageal, stomach and pancreatic cancer [3], and sociodemographic variation in the use of chemotherapy in patients with stage IV lung, oesophageal, stomach and pancreatic cancer [4]. The data are also released to external researchers via the Office for Data Release.

Conclusion
The SACT dataset is a unique resource in terms of the breadth and depth of information on chemotherapy prescribed to cancer patients. The key strengths are: the national coverage; real-world data; detailed clinical information beyond cancer registration data; and the ability to link to other cancer datasets.

References

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