



Public Health
England



Cancer statistics: availability and location

Signposting for Cancer Alliances

December 2018 update

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Public Health England

Wellington House

133-155 Waterloo Road

London SE1 8UG

Tel: 020 7654 8000

www.gov.uk/phe Twitter: [@PHE_uk](https://twitter.com/PHE_uk)

Facebook: www.facebook.com/PublicHealthEngland

Prepared by: Cancer Alliance Data, Evidence and Analysis Service (CADEAS)

This document is produced by The Cancer Alliance Data, Evidence and Analysis Service (CADEAS), a partnership between NHS England and Public Health England. The Service supports Alliance delivery using a whole pathway and cross-organisational approach. It aims to influence, inform and share best practice ensuring evidence-based local decision making.



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Executive summary

This is a summary of the document [Cancer statistics: availability and location](#) updated by the Cancer Alliance Data Evidence and Analysis Service (CADEAS) in September 2018.

This synopsis aims to outline where cancer data and information can be found for sub-national geographies in England. It is structured using key topics in the 2015 Cancer Taskforce report [Achieving World Class Cancer Outcomes: Strategy for England 2015 - 2020](#). It has been produced for Cancer Alliances by [CADEAS](#), a partnership between NHS England and Public Health England. CADEAS supports Cancer Alliance delivery using a whole pathway and cross-organisational approach.

CADEAS' purpose is to help ensure Cancer Alliances:

- take a data-driven approach to support meeting and sustaining operational performance; and transforming cancer outcomes across their local cancer system
- track the implementation of national transformation priorities and evaluate their impact to share evidence and spread best practice
- have access to the very latest analysis to support delivery of transformation activities

Sources in this document largely relate to public data and information. For potentially patient identifiable data requests, the Public Health England (PHE) Office for Data Release (ODR) is responsible for providing a common governance framework for responding to requests to access PHE data for secondary purposes. All requests are considered on a case-by-case basis. More information can be found on [the ODR website](#).

For queries, please contact england.cadeas@nhs.net.

Reducing growth in the number of cancer cases

Cancer awareness, risk factors and prevention

Item	Geography
Risk factor - smoking	England; Region; STP; CCG; County & UA; District & UA; GP practice
Risk factor - alcohol consumption	England; Region; County & UA; District & UA
Risk factor - physical activity	England; Region; County & UA; District & UA
Risk factor - obesity	England; Region; STP; CCG; local authority
Cancer Research UK statistics on preventable cancers	UK; England
Cancer Awareness Measure (CAM) report	UK; England
Be Clear on Cancer campaign evaluations	England

Cancer incidence

Item	Geography
ONS cancer registration statistics	England
The NCRAS CancerStats portal incidence statistics (requires N3 connection) The NCRAS CancerData system incidence data	England; Cancer Alliance; STP; CCG; local authority
PHE Local Health tool	England; Ward; CCG; local authority
PHE and Macmillan Local Cancer Intelligence tool	England; CCG
Cancer Research UK local cancer statistics	England, UK

Cancer screening

Item	Geography
Public Health Outcomes Framework, Health Improvement Metrics PHE Fingertips Cancer Services section	England; Region; County & UA; District & UA; GP practice
NHS Breast Screening Programme including interactive dashboard	England; Region
NHS Breast Screening Programme and Association of Breast Surgery Audit	England; Region
NHS Cervical Screening Programme	England; CCG; GP practice

Operational performance

Item	Geography
NHS England Cancer Waiting Times (CWT) monthly and quarterly statistics	England; CCG; Trust
PHE Fingertips Cancer Services cancer waiting times metrics	England; CCG; GP practice

Early diagnosis

Item	Geography
Secretary of State Cancer Outcome Metric on early stage diagnoses	England; CCG
Secretary of State Cancer Outcome Metric on emergency presentations	England; CCG
National Cancer Diagnosis Audit (NCDA)	England
NHS England diagnostic waiting times	England
Diagnostic Imaging Dataset (DID)	England; Region; CCG; Trust
Return on investment tool: colorectal cancer	CCG
Finished Admission Episodes (FAE) with a primary diagnosis of lung cancer	CCG

Routes to Diagnosis

Item	Geography
Routes to Diagnosis and treatment split by treatment modality, age, stage, and comorbidity	England
Routes to Diagnosis and stage split by sex, age, ethnicity, and deprivation	England
Route to Diagnosis sub-national data	England; Cancer Alliance; CCG
Interactive Routes to Diagnosis visualisation tool	England; Cancer Alliance; CCG
Secretary of State Cancer Outcome Metric on emergency presentations	England; CCG
Major resections by route with workbook	England

Cancer mortality

Item	Geography
ONS cancer mortality statistics	England
The NCRAS CancerStats portal mortality statistics (requires N3 connection) The NCRAS CancerData system mortality data	England; Cancer Alliance; STP; CCG; local authority
PHE Local Health mortality statistics	England; NHS sub-region; CCG; Ward
PHE Longer Lives premature mortality	England District & UA; County & UA
Cancer Research UK statistics on mortality	England; CCG

Cancer survival

Item	Geography
ONS and NCRAS cancer survival for the 25 most common cancers	England
ONS and NCRAS cancer survival by stage at	England

<u>diagnosis</u>	
<u>ONS and NCRAS childhood cancer survival</u>	England
<u>ONS and NCRAS geographic patterns of cancer survival</u>	England; NHS Region; Cancer Alliance; STP
<u>ONS index of cancer survival for CCGs</u>	England; STP; CCG
<u>The NCRAS CancerStats portal survival statistics (requires N3 connection)</u>	Region; England
<u>PHE and Macmillan Local Cancer Intelligence tool survival statistics</u>	CCG
<u>Cancer Research UK survival data</u>	CCG

Improving experiences of care, treatment and support

Treatment

Item	Geography
<u>NCRAS data on patients receiving chemotherapy, radiotherapy and surgical tumour resections</u>	England; Cancer Alliance
<u>NCRAS statistics on the Radiotherapy DataSet (RTDS)</u>	England; Cancer Alliance; Trust
<u>CancerStats 2 portal with Systemic Anti-Cancer Therapy (SACT) data</u> (requires N3 connection)	England; Trust
<u>NCRAS chemotherapy data workbook on 30-day post-chemotherapy mortality</u>	England; Trust
<u>Cancer Outcomes and Services Dataset (COSD) on the CancerStats 2 portal</u> (requires N3 connection)	England; Cancer Alliance; STP; CCG; Trust
<u>National cancer audits for bowel, head and neck, oesophago-gastric cancers</u>	England
<u>Lung</u> and <u>Prostate</u> National Cancer Audit reports	England; Trust
<u>National Audit of Breast Cancer in Older Patients NABCOP</u>	England
<u>Diagnostic Imaging Dataset (DID)</u>	England
<u>Clinical Headline Indicators on the NCRAS CancerStats portal</u> (requires N3 connection)	Cancer Alliance; CCG; county; Trust
<u>Hospital Episode Statistics (HES) provisional monthly data containing inpatient care, outpatient appointments and A&E attendance records</u>	England
<u>Specialised Services Quality Dashboard (SSQD): radiotherapy dashboard</u>	Under development

Quality of care

Item	Geography
<u>Quality Surveillance Information System (QSIS): Peer review visit reports</u>	England

Patient experience

Item	Geography
<u>The Cancer Patient Experience Survey (CPES) in England</u>	England; Trust; CCG
<u>NCRAS CPES linked to cancer registration data</u>	England

Improving the quality of life of patients after treatment and at the end of life

Cancer prevalence

Item	Geography
NCRAS cancer prevalence data	England; Region; Cancer Alliance; CCG
PHE and Macmillan Local Cancer Intelligence portal including projections	England; CCG
NHS Digital Quality Outcome Framework (QOF) GP practice performance	GP practice

Quality of life

Item	Geography
PROMs report on colorectal cancer	England
National level tool - colorectal cancer data	England
Living with and beyond cancer - pilot PROMs on bladder cancer	England
Quality of Life for Gynaecological Cancers: Living with and beyond cervical cancer Living with and beyond ovarian cancer Living with and beyond womb cancer	England
Baseline activity data for Stratified Follow Up and Recovery Package interventions	England
PROMs analysis on colorectal cancer	England
The PROMS pilot survey on Quality of life of cancer Survivors in England with a primary diagnosis of breast, prostate, colorectal cancer and non-Hodgkin's lymphoma	England

Reducing inequalities

Item	Geography
<u>Cancer deaths by place and deprivation</u>	England
<u>NCRAS report on equality metrics</u>	England
<u>NCRAS survival rates of cancer patients by travel time to their nearest hospital for breast, prostate, lung and colorectal cancer</u>	England
<u>NCRAS report on the impact of travel time on rates of treatment with radiotherapy</u>	England

Whole pathway

Item	Geography
NHS England and PHE cancer and tumours focus pack tool Data and metadata	England; CCG
NHS RightCare 'where to look' packs with data on variation and performance	England; CCG
PHE spend and outcomes tool	England; local authority; CCG
PHE Fingertips Cancer Services	England; NHS Sub-region; STP; CCG; GP practice
National cancer dashboard	England; CCG; Trust
The NCRAS CancerStats portal incidence statistics (requires N3 connection) The NCRAS CancerData system incidence data	England; Cancer Alliance; CCG; Trust
Cancer Research UK statistics website	UK; England
PHE and Macmillan Local Cancer Intelligence tool	England; CCG
PHE Local Health tool	England; NHS Sub-region; CCG

CADEAS glossary of cancer-related terms

Acronym/ Abbreviation	Meaning
2ww	2-week waiting time from CWT dataset
62d	62-day waiting time from CWT dataset
AHSN	Academic Health Science Network
ALB	Arm's Length Body
BCOC	Be Clear on Cancer
CADEAS	Cancer Alliance Data, Evidence and Analysis Service
CAS	Cancer Analysis System (the NCRAS Oracle SQL database containing cancer-related datasets)
CCG	Clinical Commissioning Group
CCGIAF	CCG Improvement and Assessment Framework
CCT	Cancer Commissioning Toolkit, the now de-commissioned former NCIN cancer data tool
CDAAG	Cancer Data Analytics Advisory Group
CHI	Clinical Headline Indicators
CI/LCI/UCI	Confidence interval/lower confidence interval/upper confidence interval
CNS	Clinical Nurse Specialist or Central Nervous System
COSD	Cancer Outcomes and Services Dataset
CPES or NCPES	National Cancer Patient Experience Survey
CRCE	Centre for Radiation, Chemical and Environmental Hazards at PHE
CRUK	Cancer Research UK
CSU	Commissioning Support Unit
CTYA/TYA	Children, Teenagers and Young Adults/Teenagers and Young Adults
CWT	Cancer Waiting Times
DH	Department of Health
DID	Diagnostic Imaging Dataset
ENCORE	The English National Cancer Online Registration Environment (the system where all cancer registration data is processed and recorded)
ENCR	European Network of Cancer Registries
EPR	Electronic Patient Record
EPs	Emergency Presentations

FIT	Faecal Immunochemical Test (bowel screening test)
FOB or FOBT	Faecal Occult Blood test (bowel screening test)
FYFV	NHS Five Year Forward View
GDPR	General Data Protection Regulations (supersedes the Data Protection Act)
GIS	Geographical Information System
GP	General Practitioner
GSS	Government Statistical Service
HES	Hospital Episode Statistics
HES A&E	HES Accident and Emergency data
HES APC	HES Admitted Patient Care data (inpatients and day case)
HES OP	HES Outpatients data
HIN	Health Intelligence Network at PHE
HSCIC	The Health and Social Care Information Centre, now known as NHSD
HWB	Health and Wellbeing Board
ICD	International Classification of Diseases
ICR	Institute of Cancer Research
IMD	Index of Multiple Deprivation
LA/LTLA/UTLA	Local authority/Lower Tier Local Authority/Upper Tier Local Authority
LAD	Local Authority District
LGA	Local Government Association
LKIS	Local Knowledge and Intelligence Service at PHE
LSOA or LLSOA	Lower Layer Super Output Area
LWBC	Living With and Beyond Cancer
MDC	Multi-Disciplinary Diagnostic Centre
MDT	Multi-Disciplinary Team
MSOA	Middle Layer Super Output Area
N3	The NHS secure network
NBOCAP	National Bowel Cancer Audit
NCARDS	National Congenital and Rare Disease Registration Service
NCDA	National Cancer Diagnosis Audit
NCIN	National Cancer Intelligence Network (the former name for the now analytical arm of NCRAS)
NCRAS	National Cancer Registration and Analysis Service
NCRS	National Cancer Registration Service (the former name for the now registration arm of NCRAS)
NCV	National Cancer Vanguard, now named Cancer Alliances
NDR	National Disease Registration at PHE

NHS	National Health Service
NHSD	NHS Digital (formerly the HSCIC)
NHSE or NHS(E)	NHS England
NHSPD	NHS Postcode Directory
NIHR	National Institute of Health Research
NLCA	National Lung Cancer Audit
NSPL	National Statistics Postcode Lookup
OA	Output Area
ODR	The Office for Data Release at PHE
ONS	Office for National Statistics
OPCS	Classification of Interventions and Procedures for NHS clinical coders
PHE	Public Health England
PHOF	Public Health Outcomes Framework
PROMs	Patient Reported Outcome Measures
PTL	Patient Tracking List meeting
QA	Quality Assurance
QoL	Quality of Life
RAG rating	Red, Amber and Green rating system
RtD or RTD	Routes to Diagnosis
RTDS	Radiotherapy Dataset
SACT	Systemic Anti-Cancer Treatment dataset (chemotherapy)
SCN/CN	Strategic Clinical Network/Clinical Network
SNOMED CT	Systematized Nomenclature of Medicine – Clinical Terms
Spec Comm	Specialised Commissioning
STP	Sustainability and Transformation Partnership
UKIACR	United Kingdom and Ireland Association of Cancer Registries