



Public Health  
England



NHS England  
NHS Improvement

# CADEAS Work Programme 2021/22



# Background

- CADEAS (Cancer Alliance Data, Evaluation and Analysis Service) is funded by the National Cancer Programme, and is a collaboration between NHS England/Improvement, and Public Health England.
- The aim of CADEAS is to support Cancer Alliances to take a data-driven, and evidence-based approach to:
  - a) Recovering Cancer services following the Covid-19 pandemic;
  - b) Meeting and sustaining operational performance; and
  - c) Transforming Cancer services to meet the ambitions in the Long Term Plan.

Our core offer to Cancer Alliances is to:

- Provide access to timely and reliable data held nationally on operational performance and cancer activities, outputs and outcomes to track progress and to identify areas for action;
  - Provide products such as tools, models and analysis to give greater depth and insights into key priority areas;
  - Offer advice and guidance to support robust local evaluations; and
  - Synthesise emerging evidence and disseminate evaluation findings to understand what works and how.
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- This CADEAS work programme for 2021/22 was developed following stakeholder engagement, including with Cancer Alliances; NCRAS (National Cancer Registration Analysis Service); and teams across the National Cancer Programme.
  - The work programme will be reviewed throughout the year to ensure CADEAS products continue to provide maximum value.

# Reflections on 2020/21

# Key achievements 2020/21

## Restoration and Recovery of Cancer services

CADEAS played a pivotal role in supporting the restoration and recovery of Cancer services following the Covid pandemic through:

- Producing **weekly and monthly data packs** on how cancer services were performing in terms of referrals, treatments and backlog.
- Producing monthly **equity packs** on the impact of Covid on referrals and treatment for different segments of the population (by ethnicity; deprivation; age; sex).
- Modelling the **projected impact of Covid on Cancer services** at an Alliance level.
- Collecting **surgical hub data** and sharing **data on cancellations**.
- **Understanding the cohort of patients who would have been expected to start treatment during Covid, and didn't.**
- **Exploring the relationship between local restrictions; Covid hospital admissions; and Cancer services.**

## Operational Performance

Worked in partnership with NHSE/I's Performance Analysis Team (PAT) to:

- Provide **monthly Cancer Waiting Times (CWT) data extracts** to Cancer Alliances.
- Report on **Faster Diagnosis Standard (FDS) data completeness and performance.**
- Report on **62-day CWTs** for each Cancer Alliance by provider and tumour group.

Worked with NCRAS to:

- Produce tumour specific **Two Week Wait (TWW) conversion and detection rates** using linked CWTs and registry data.

# Key achievements 2020/21 cont.

## Screening

- **Shared monthly screening reports** produced by NHS PAT team for performance and monitoring use.

## Earlier and Faster Diagnosis

- Examined the **median length of different parts of the patient pathway**. This expanded earlier work to look at a fuller set of tumour groups/sites. A visualisation tool was developed to facilitate exploration of the data.
- Supported the **evaluation of the Targeted Lung Health Check (TLHC) programme**, providing evaluation expertise to help ensure the evaluation adequately answers the key questions to inform implementation. A qualitative report summarising interviews with key staff was delivered. The contract was amended to incorporate a further number of sites and the collection of management information commenced.
- Commissioned the **evaluation of Rapid Diagnostic Centres (RDCs)**; data solution established; and a 1<sup>st</sup> qualitative report summarising interviewed with key staff was received.
- The **evaluation of the Colon Capsule Endoscopy (CCE)** was scoped; contractor identified; preparation work completed to collect management information and undertake service evaluation consisting of interviews with staff.
- Developed a **monitoring and evaluation framework for faecal immunochemical testing (FIT)**.

## Experience of Care

- Triangulated **Cancer Patient Experience Survey (CPES) data** with CADEAS data products to understand correlations and gaps.

# Key achievements 2020/21 cont.

## Personalised Care

- Provided advice on the different **metrics to monitor Personalised Care**.
- Worked with an external partner to deliver a **qualitative process evaluation of Personalised Stratified Follow Up (PSFU)**.
- Produced a **feasibility study for undertaking an impact evaluation of PSFU**.

## Innovation

- Scoped out an **evaluation for Cytosponge**. Specification out to tender.
- Produced **guidance to support Alliances in undertaking local evaluations of innovations**.

## Other

- Contributed to the **development of NHS Digital's Trusted Research Environment (TRE)**. Testing the usability of the platform by taking forward it's 1<sup>st</sup> project through the evaluation of Rapid Diagnostic Centres (RDCs). Memorandum of Understanding established between NHSE/I and NHSD.
- Established the **Evaluation Oversight Group (EOG)** – a sub-group of the Cancer Data Analysis Advisory Group (CDAAG) to provide support, scrutiny and advice to the evaluation of key Cancer Programme interventions.
- Supported NCRAS with a number of **ODR requests**.
- **User testing of the Rapid Registration Dataset**.
- **Regular engagement with Alliances**: regional analyst calls; monthly product mail; webinars; national analyst event.

# Access to CADEAS products

Products most downloaded from the CADEAS website:

- Cancer Equity data packs
- Covid 19 data packs
- Cancer demand backlog model
- CADEAS work programme
- Pathway length percentiles
- Provider by tumour dashboard

# Findings from consultation with Alliances

- Alliance analyst survey in Dec 2020/Jan 2021.
- Response rate was impacted by Covid, but 13 responses were received and a couple more via follow-up e-mails and calls.
- Further feedback still welcome.

## Headline findings:

Overall tone of responses was positive

Good awareness of data products. Less awareness of evaluation work

Key resources noted as being: Covid data packs; equity packs; CWT products.

Welcomed the greater number of webinars and found virtual calls more convenient than face-to-face. Thought this had increased engagement.

A common ask was for CADEAS to provide data at a more granular level e.g. CCG/PCN (to help local implementation).

Receiving more up-to-date data has been hugely valued. BUT – it has also changed the expectation for other products. There is a huge appetite for more real-time data going forward.

Keenness to see the results of the evaluation projects at an Alliance level.



# Work programme 2021/22

# Priorities for CADEAS 2021/22

- 1.Supporting the recovery of Cancer services from the Covid pandemic
- 2.Operational performance
- 3.System intelligence
- 4.Understanding Health Inequalities in Cancer services
- 5.Evaluation of key interventions

# 1. Supporting the recovery of Cancer services from the Covid pandemic

- Continue to produce **weekly and monthly data packs** on how Cancer services are performing in terms of referrals, treatments and backlog;
- Continue to **understand the cohort of patients who would have been expected to start treatment** during Covid, and haven't.
- Continue to provide **ad hoc analytical support to the Cancer Programme** to inform national and local recovery.
- Understand the **impact of Covid on Long Term Plan TP (LTP) priorities** by:
  1. Working with NCRAS to **provide Alliance level breakdowns from the Rapid Registration Dataset** (including staging)
  2. Updating the **Early diagnosis tool** to enable Alliances to understand how Covid has impacted on their early diagnosis and survival trajectories.
  3. Updating the **RDC Demand and Capacity** model.

*\* See later slide re continued work on how Covid has impacted Health Inequalities in Cancer services.*



## 2. Operational Performance

- **Dedicated FTE analyst to support the Operational Performance team** to monitor key performance measures and ensure quality data is produced and fed into discussions with Alliances.
- Continue to work with NHSE/I's Performance Analysis Team (PAT) to:
  - Provide monthly **Cancer Waiting Times (CWT) data extracts** to Cancer Alliances.
  - Report on **Faster Diagnosis Standard (FDS) data completeness and performance**.
  - Report on **62-day CWTs**.

## 2. Operational Performance – project plan

[illegible]

### 3. System Intelligence

- Re-establish **summary indicator grids** (shift from monthly to quarterly and incorporating new 'Living With and Beyond Cancer' – LWBC and 'Quality of Life' – QOL measures).
- Assess **Sustainability and Transformation Plans (STP) trajectories** for 21/22.
- Continue to share monthly **screening reports** produced by NHS PAT for performance and monitoring use.
- Update the previous CADEAS **briefing on survival levels by Alliance**.
- Update previous analysis on the **best practice timed pathway: urgent referral to 1st diagnostic endoscopy**.
- Collaborate with Analytical Services and NCRAS to better understand **treatment variation** (specifically treatment modality and clinical trials by survival).
- Update the **median pathways tool** to understand the median lengths of different parts of the Cancer pathway.

### 3. System Intelligence – project plan

DELIVERABLES													
Project	Activity/deliverable	Q1			Q2			Q3			Q4		
		April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March
Summary indicator grids	Publish existing indicators			✓			✓			✓			✓
	Support for the quarterly assurance process												
CADEAS product mail	Send product mail to Alliances and Cancer Programme	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Assess STP plan trajectories	Review STP plans and flag issues to CASE team												
NHSE&I PAT screening report	Circulate report to Alliances	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Survival analyses	Update survival data by Cancer Alliance												
	Publish updated survival report		✓										
Best practice timed pathway: urgent referral to 1st diagnostic endoscopy	Analyse urgent referral to 1st diagnostic endoscopy												
	Publish analysis of urgent referral to 1st diagnostic endoscopy		✓										
Median Pathways	Undertake analysis of median pathway lengths												
	Publish median pathways analysis										✓		
Treatment variation analysis	Treatment modality survival figures, broken down by tumour modality; cancer stage; and Alliance												
	Report outlining treatment modality survival figures, broken down by tumour modality; cancer stage; and Alliance						✓						
	Explore the relationship between clinical trials recruitment and survival, by Cancer Alliance												
	Report outlining the relationship between clinical trials recruitment and survival by Cancer Alliance									✓			



## 4. Understanding Health Inequalities

- Continue to monitor the **impact of Covid on referrals and treatment in terms of deprivation; ethnicity; age and sex** to inform how services are restored and recovered following the Covid Pandemic. Publish monthly data packs for Alliances (at an Alliance and CCG level), and publicly (at a regional level).
- **Explore the availability and usefulness of data on other Health Inequality dimensions** e.g. faith; homelessness; mental health; refugees and asylum seekers; traveller communities
- Explore **inequalities at different parts of the Cancer pathway** (covering smoking prevalence; screening; emergency presentation; early stage diagnosis; survival; patient experience). Publish data in CancerStats2.
- Work with other Health Inequality analysts across NHSE/I and NCRAS to ensure a consistent methodological approach, and appropriate data is presented in the NHSE/I **Recovery of Critical Services (RCS) and Viewpoint dashboards**.

## 4. Understanding Health Inequalities – project plan

[illegible]

## 5. Evaluation of key interventions

- Continue to support the **evaluation of the Targeted Lung Health Check (TLHC) programme**. Quality assurance of monthly management information reports and quarterly evaluation reports.
- Continue to support the **evaluation of Rapid Diagnostic Centres (RDCs)**. Work closely with NHS Digital to ensure the data solution (of using the Trusted Research Environment) for the impact evaluation element, works smoothly. Quarterly evaluation reports.
- Support and undertake the **Colon Capsule Endoscopy (CCE) evaluation**. Commission out the impact evaluation; collect and report on monthly management information; undertake a service evaluation consisting of interviews with staff; commission out a patient experience evaluation.
- Commission out and manage the **evaluation of Cytosponge**. Quarterly evaluation reports.
- Provide **evaluation support to the Living With and Beyond Cancer (LWBC) team**.
- Undertake a small scale **literature review of Quality of Life (QOL)** exploring which interventions are most (cost) effective in improving QOL.
- Provide light touch advice on how to **evaluate BRCA screening** to inform a full evaluation study in 22/23 if appropriate.
- Assessment of the **Lynch implementation guidance**.

DELIVERABLES													
Project	Activity/deliverable	Q1			Q2			Q3			Q4		
		April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March
Evaluation advice on BRCA	Explore the options for evaluating BRCA												
	Produce a report for the ED team												✓
National evaluation of the Targeted Lung Health Checks programme	Quality assurance of aggregated MI data and support sites with improvement												
	Management Information reports	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Quarterly progress reports		✓			✓			✓			✓	
	Quality assurance of all outputs												
National evaluation of Rapid Diagnostics Centres	Management Information reports	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Quarterly progress reports	✓			✓			✓			✓		
	Quality assurance of all outputs												
Evaluation of the CCE	Quarterly progress reports			✓			✓			✓			✓
	Report summarising key findings for national team and CCE pilots												✓
	Interviews with staff for service evaluation												
	Service evaluation report			✓									
	Commisison out patient experience strand												
	Deliver patient experience summary report									✓			
	Management Information reports for national team and CCE pilots	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Assessment of Lynch implementation guidance	Undertake a review of how the guidance is being implemented												
	Report summarising how the Lynch guidance is being applied												✓
QOL literature review	Support the personalised care team to commission out a rapid evidence assessment												
Evaluation support to LWBC	Provide evaluaion support including scoping out a full evaluation in Q4												
	Evaluation specification												✓
Cytosponge evaluation	Commission an external evaluator												
	Management of evaluation contract												
	Evaluation strategy & quarterly progress reports					✓			✓			✓	