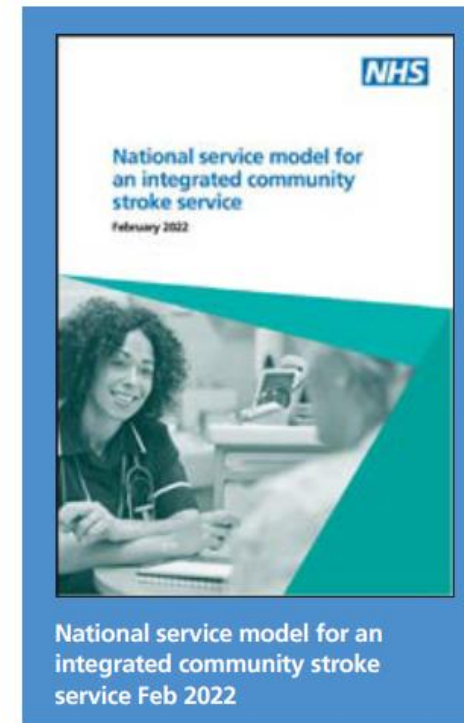
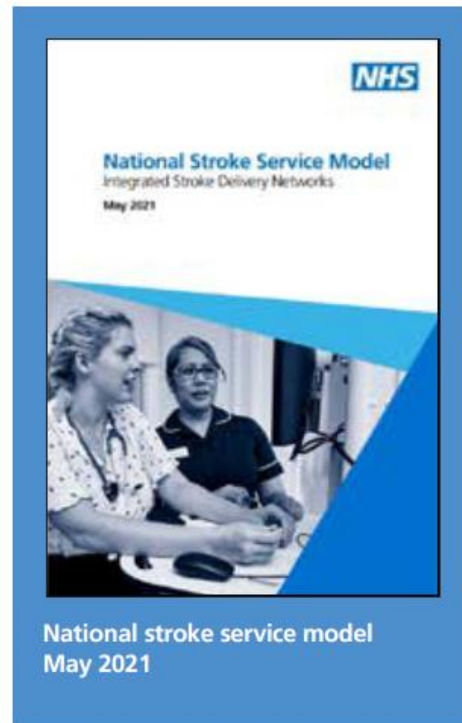
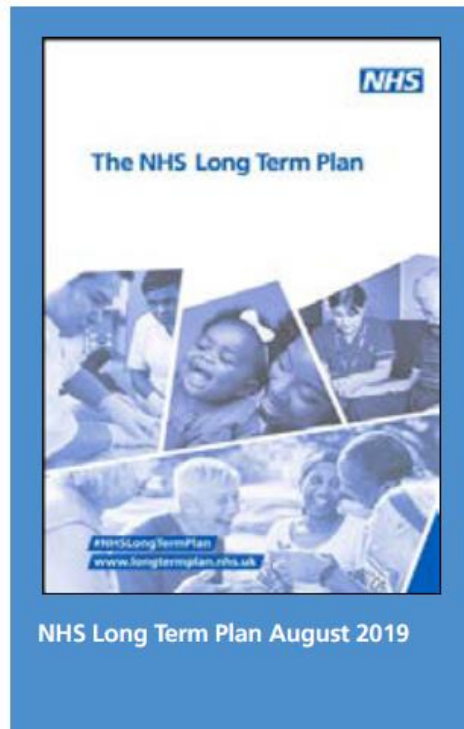


National Stroke Programme NHS England



Dr Deb Lowe
National Clinical Director for Stroke



Stroke as a priority

- Stroke is the leading cause of disability and the fourth largest cause of death in the UK¹
- Every year **100,000** people in the UK are admitted to hospital having had a stroke, **50%** stroke survivors will be left with disability (physical, communication, cognitive, psychological, visual, fatigue)¹
- Stroke costs the UK economy **£26 billion** per year, including **£3.4bn** cost to NHS, **£5.2bn** to social care and **£15.8bn** in informal care²
- This is forecast to rise to up to **£91bn** by 2035. The average cost of somebody having a stroke is **>£45,000** over the following 12 months²
- By **2035**, the number of people having a stroke will **increase by almost half** and the number of stroke survivors by a third³
- Half of stroke survivors are living with two or more co-morbidities⁴
- Higher mortality & incidence in those with highest deprivation and ethnic minority groups

1. <https://www.england.nhs.uk/ourwork/clinical-policy/stroke/>. Accessed September 2019;
2. Stroke Association 2017. Current, future and avoidable costs of stroke in the UK;
3. NHS Long Term Plan, January 2019
4. Gallacher KI et al J Cormorbid 2018; 8: 1-8

The NHS Long Term Plan



National Stroke Programme:

Recognises benefits of:

- Improved primary and secondary prevention
- Optimisation of hyper-acute stroke pathway with Comprehensive / Acute Stroke Unit Care
- Expanding access to mechanical thrombectomy services
- Higher intensity models for stroke rehabilitation and life after stroke support (including psychological care and vocational rehabilitation, structured post discharge support)

Supports the delivery of:

- Integrated Stroke Delivery Networks to enable delivery of 7-day services as listed above and support STPs/ICSs to optimise pathways as required
- Modernisation of workforce (via Health Education England) – focus on cross-specialty/cross-profession accreditation, sustainability
- Scaling of technologies e.g. CT perfusion, use of automated scan reporting for CT Angiography (A.I. – artificial intelligence), telemedicine.

We know what a good stroke service should provide

- Effective primary prevention
- Public education about stroke symptoms and how to respond
- Hyperacute stroke care for about first 72 hours
- Acute stroke unit care for whole admission including in-patient rehabilitation
- Early supported discharge
- Longer term rehabilitation as needed
- Vocational rehabilitation and psychological support
- Secondary prevention
- Patient and carer support and education
- Participation in research
- Continuous quality improvement

NATIONAL CLINICAL GUIDELINE FOR STROKE for the United Kingdom and Ireland

2023 edition



www.strokeguideline.org

Data and Audit

Support: 0110 404 9901 | ssnap@kcl.ac.uk | [SSNAP support website](#)



Register

Sign In

[Home](#) [About SSNAP](#) [Registration](#) [Results](#) [Resources](#)

Home

For information on upcoming data-locking deadlines and when results will be available, please [click here](#). The data-locking deadline for April-June 2021 has now passed. The next data-locking deadline for July-September 2021 is the 1 November 2021 at 5pm.

We understand that due to the COVID-19 response within your trust, there may be an impact on the number of admissions and/or on SSNAP data entry. Please do get in touch if this is the case and email the SSNAP helpdesk on ssnap@kcl.ac.uk.



Patient resources



Guidelines



Results



Research



Quality improvement

Clinical Dataset and Reporting Changes

SSNAP Clinical Dataset and Reporting Changes

From 1 July 2021, SSNAP introduced new questions to the clinical proforma in order to keep up with changes to practice published in the NICE national guidelines and the measures associated with the NHSE long term plan.

Please [click here](#) to access more detailed information about all the changes coming in place during the next months!

Twitter feed

[Tweets by SSNAPaudit](#)

GIRFT

Stroke Programme

National Clinical Lead – Dr David Hargroves
Senior Clinical Advisor – Dr Deb Lowe



Stroke

GIRFT Programme National Specialty Report

By Dr David Hargroves and Dr Deb Lowe
 GIRFT Clinical Lead for Stroke and Senior Clinical Advisor for Stroke

April 2022



GIRFT is part of an aligned set of programmes within NHS England and NHS Improvement

29 recommendations:

Leadership and culture – driving and sustaining change	31
Integrated Stroke Delivery Networks.....	37
Pre-hospital pathway.....	44
Rapid access to appropriate imaging	57
Hyper acute and acute inpatient stroke care.....	71
Thrombectomy	96
Stroke prevention and transient ischaemic attack (TIA) management	111
Workforce	134
Rehabilitation and life after stroke	146
Audit and review	164

[Example] Insight from GIRFT's data

Less than 12% of patients with a suspected stroke are taken directly to CT for on arrival in hospital.

[Example] View from our visits:

Physiotherapy: 83% of services were 7 day, but 53% of these were funded for 5 and stretched over 7 days.

IN PRACTICE

Video assisted triage

University College London Hospitals NHS Foundation Trust and the London Ambulance Service



Policy paper

Major conditions strategy: case for change and our strategic framework

Updated 21 August 2023

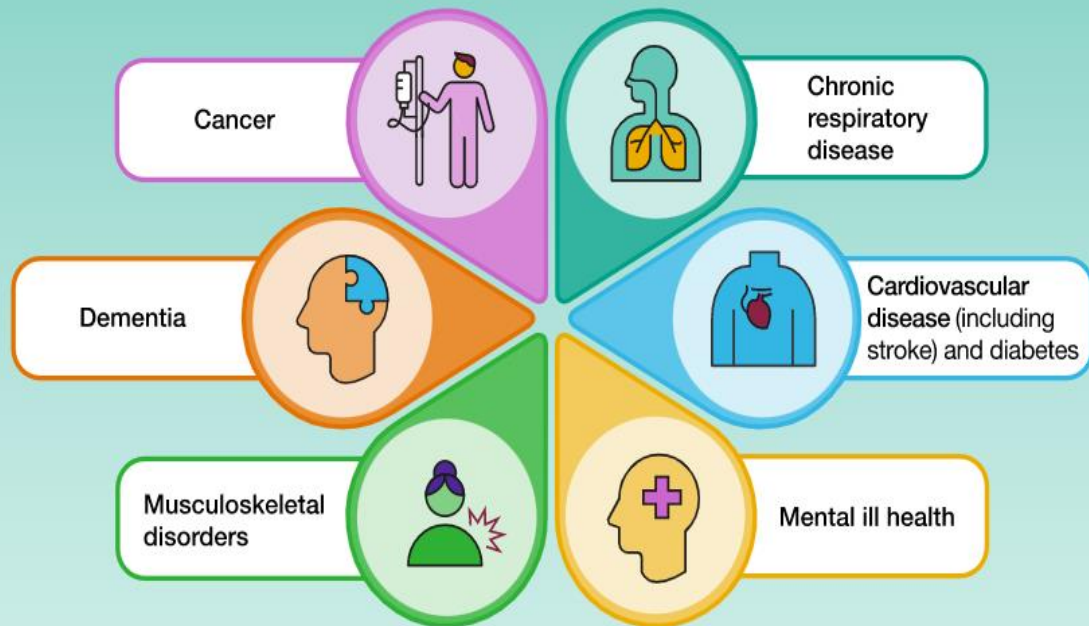
<https://www.gov.uk/government/publications/major-conditions-strategy-case-for-change-and-our-strategic-framework/major-conditions-strategy-case-for-change-and-our-strategic-framework--2>

Policy paper

Major conditions strategy: case for change and our strategic framework

Updated 21 August 2023

Together six groups of major health conditions drive over 60% of mortality and morbidity in England, and it is increasingly common for patients to experience two or more of these conditions at the same time.



Clinical Policy Unit Team Away Day September 2022

Our strategic framework focuses on:

Primary prevention: acting across the population to reduce risk of disease

Secondary prevention: halting progression of conditions or risk factors for an individual

Early diagnosis: so we can identify health conditions early, to make treatment quicker and easier

Prompt and urgent care: treating conditions before they become crises

Long-term care and treatment: in both NHS and social care settings

To have the greatest impact, we will prioritise change in five areas:



1
Rebalancing the health and care system towards proactive prevention by **managing personalised risk factors**



2
Embedding early diagnosis and treatment **in the community**



3
Managing multiple conditions effectively – including through **aligning generalism and specialism**

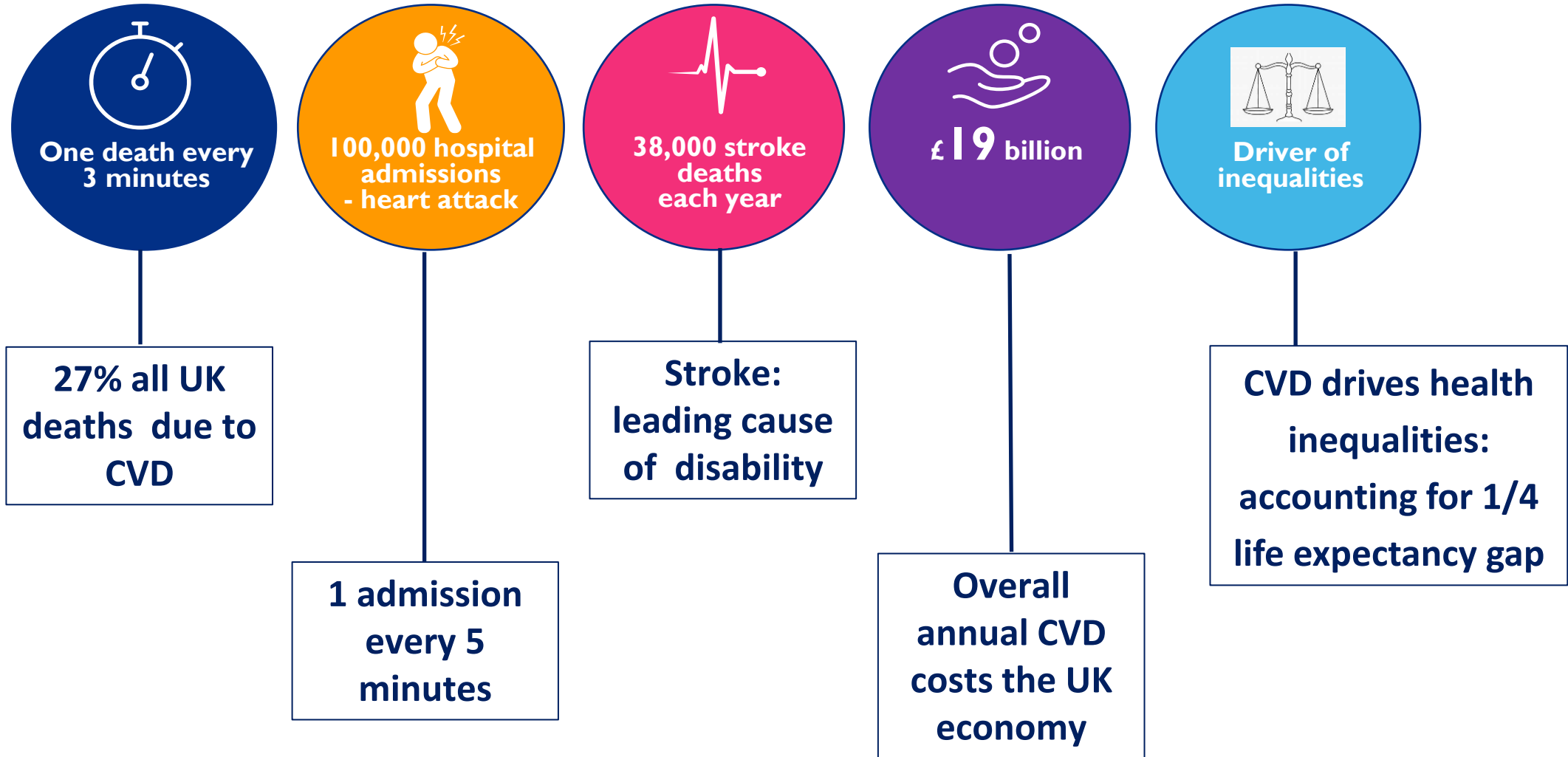


4
Better connection and **integration between physical and mental health services**



5
Shaping services and support around people, giving them **more choice and control over their care**

Cardiovascular Disease Prevention – A National and Local Priority



But CVD is highly preventable...

The CVDPREVENT Third Annual Audit Report

The CVDPREVENT [Third Annual Audit Report](#) has been published by NHS Benchmarking Network, presenting analysis of GP recorded data for relevant patient cohorts up to **March 2022**.

Have you been keeping up with your local data? The CVDPREVENT [Data & Improvement Tool](#) is even more up to date, with data up to **December 2022** published on 18th April 2023. Find out where the key improvement opportunities are for the prevention CVD in your patch.

This national primary care audit has been a large, collaborative piece of work that we're proud to support, commissioned as a response to the national aims of the NHS Long Term Plan.

Delivered by NHS Benchmarking Network, the Office for Health Improvement & Disparities (OHID) – National Cardiovascular Intelligence Network (NCVIN) team, and NHS Digital, the audit is a recommended resource for identifying variation, trends, and opportunities in the prevention and management of CVD conditions. To find out more, access the site:

www.nhsbenchmarking.nhs.uk/cvdprevent

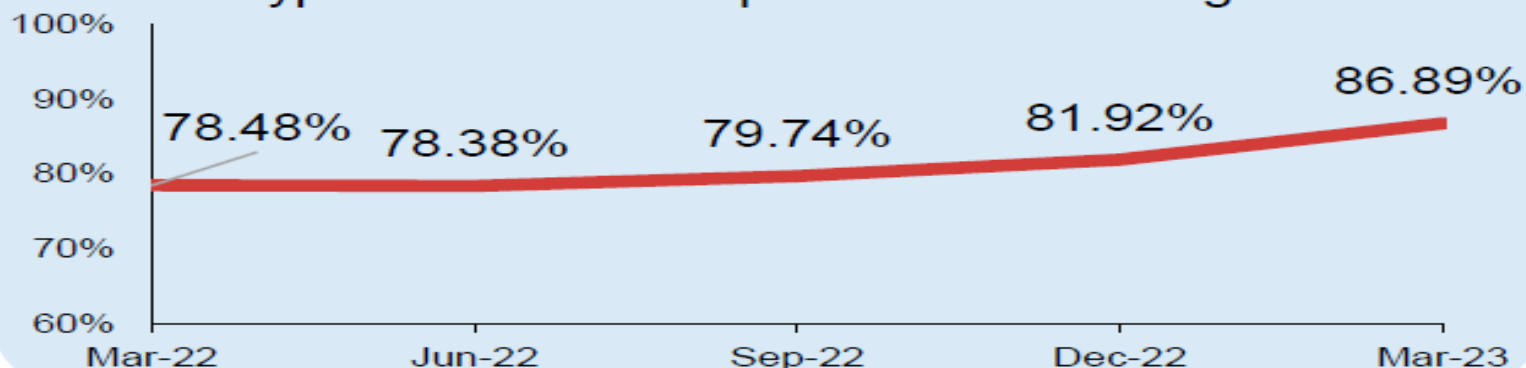


CVDPREVENT Update - data up to March 2023

CVDPREVENT is a national primary care audit that automatically extracts routinely held GP data about the prevention of cardiovascular disease.

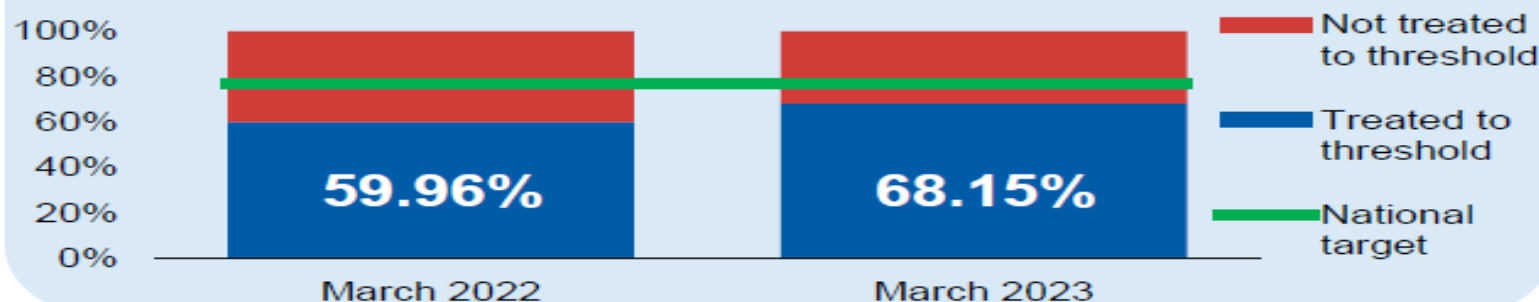
Hypertension

Hypertension: blood pressure monitoring



March 2023 data showed that **86.89%** of patients, with GP recorded hypertension had a BP reading in the last 12 months. This was an increase of 8.41 percentage points from March 2022.

Hypertension: treatment to recommended age specific thresholds



The percentage of patients with hypertension treated to the age-appropriate threshold in March 2023 was **68.15%**, an improvement of 8.19 percentage points from March 2022. The 2023/24 National Priorities and Operational Planning Guidance sets out a target of 77% by March 2024.

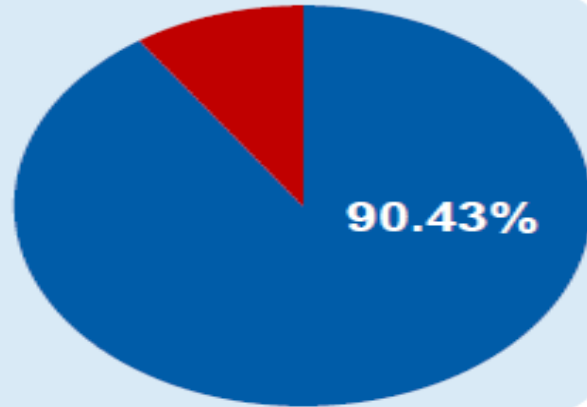
CVDPREVENT Update - data up to March 2023

CVDPREVENT is a national primary care audit that automatically extracts routinely held GP data about the prevention of cardiovascular disease.

Atrial fibrillation

AF: treatment with anticoagulants

- Treated with anticoagulation drug therapy
- Not treated with anticoagulation drug therapy

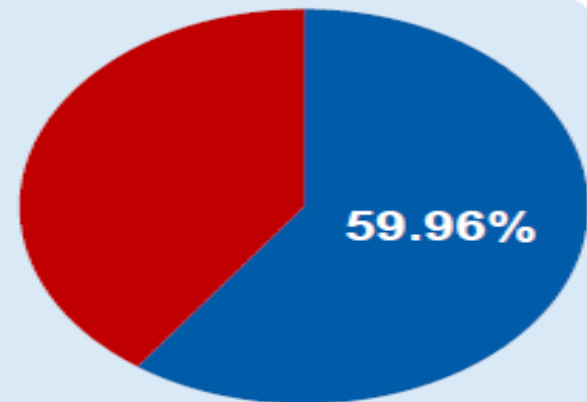


March 2023 data showed **90.43%** of people with AF (atrial fibrillation) at high-risk of stroke had a current prescription of anticoagulation drug therapy. This means that the 90% target as set out alongside the NHS Long Term Plan has been met.

Cholesterol

Cholesterol: QRISK of 20% or more treated with LLT

- Treated with LLT
- Not treated with LLT

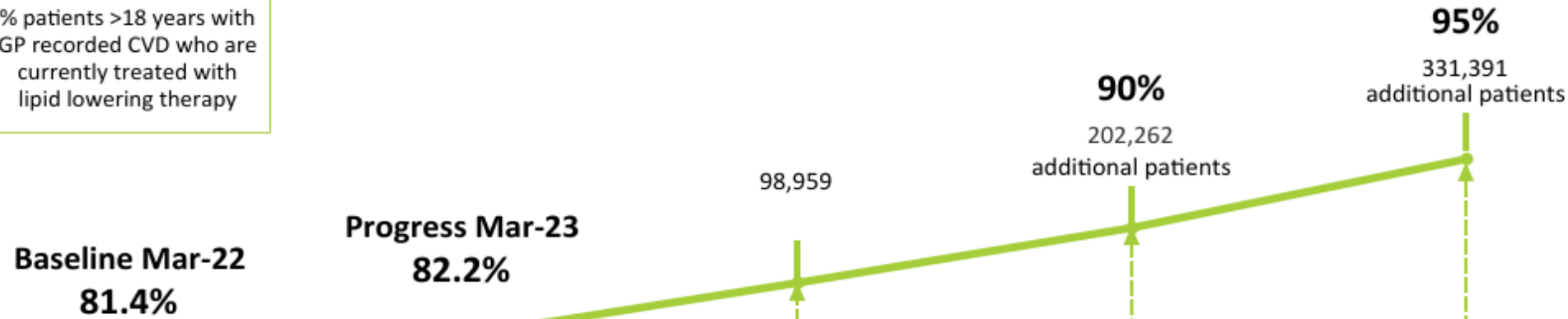


The March 2023 data showed that **59.96%** of people with no CVD diagnosis and a recorded QRISK score of 20% or more were receiving LLT (lipid lowering therapy), which rounds up to the 60% target as set out in the 2023/24 National Priorities and Operational Planning Guidance.

Size of the Prize - England

Cholesterol Optimisation to Prevent Heart Attacks and Strokes at Scale

% patients >18 years with GP recorded CVD who are currently treated with lipid lowering therapy



Ambition 1		Ambition 2		Ambition 3	
Potential cardiovascular events and deaths prevented in 3 years..					
5,938	CV events	12,136	CV events	19,883	CV events
715	deaths	1,462	deaths	2,396	deaths

One hundred **strokes** =£1,391,000 cost to the NHS

One hundred **strokes** =£951,100 cost to social care*

One hundred **heart attacks** =£746,600 cost to the NHS

References

- Collin et al. (2016), Interpretation of the evidence for the efficacy and safety of statin therapy, *The Lancet*, 388, 2532-2561. DOI: [https://doi.org/10.1016/S0140-6736\(16\)31357-5](https://doi.org/10.1016/S0140-6736(16)31357-5)
- Royal College of Physicians (2016). Sentinel Stroke National Audit Programme. Cost and Cost-effectiveness analysis.
- Kerr, M (2012). Chronic Kidney disease in England: The human and financial cost

Modelling

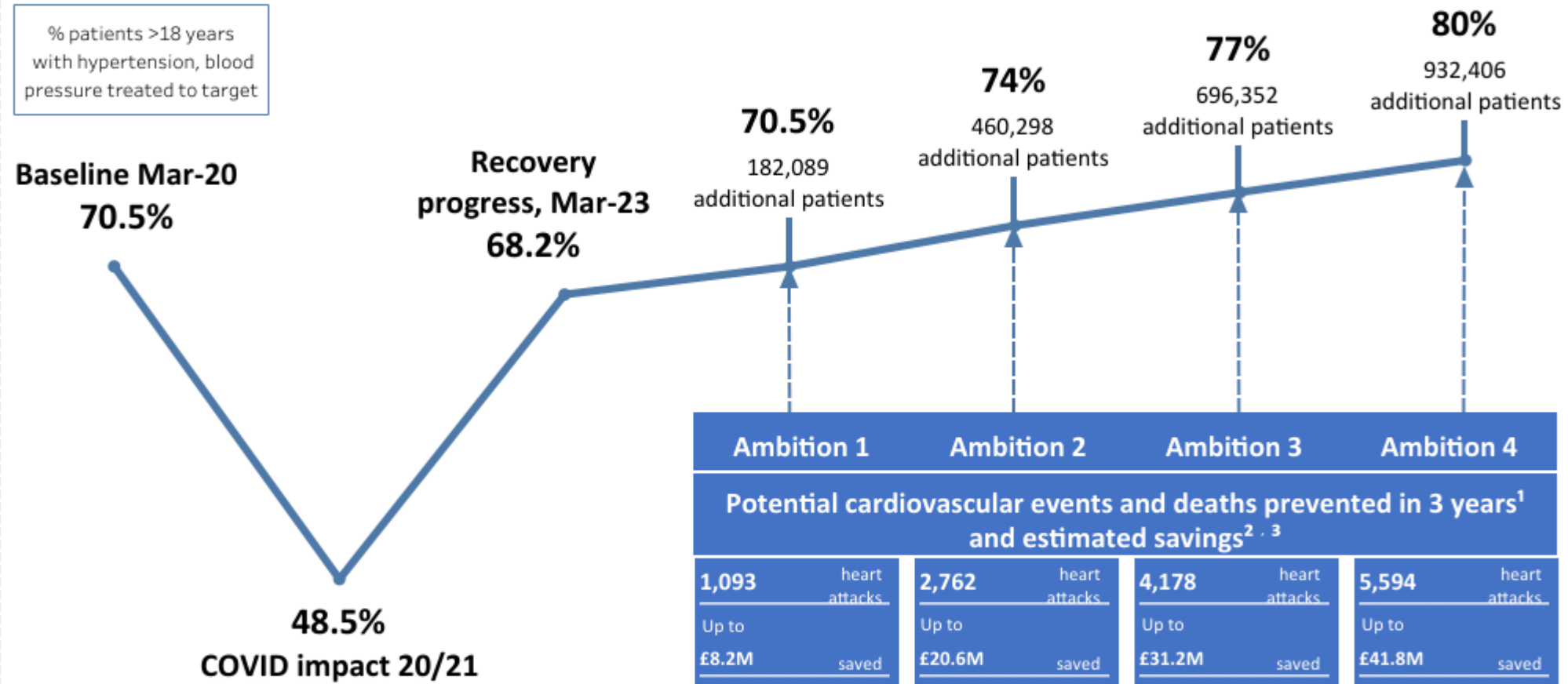
Data source: CVDPrevent. Briefing note: [CVDPrevent online methodology annex v1 December 2022](#)

Potential events calculated with NNT (Collins, 2016). For patients with known CVD, lipid lowering medicines for five years to prevent cardiovascular events and death: 1 in 10 for cardiovascular events, 1 in 83 for mortality. * Stroke costs to social care are given for the 1st year following stroke only.

Size of the Prize - England

BP Optimisation to Prevent Heart Attacks and Strokes at Scale

% patients >18 years with hypertension, blood pressure treated to target



Ambition 1		Ambition 2		Ambition 3		Ambition 4	
Potential cardiovascular events and deaths prevented in 3 years ¹ and estimated savings ^{2, 3}							
1,093	heart attacks	2,762	heart attacks	4,178	heart attacks	5,594	heart attacks
Up to		Up to		Up to		Up to	
£8.2M	saved	£20.6M	saved	£31.2M	saved	£41.8M	saved
1,631	strokes	4,122	strokes	6,236	strokes	8,350	strokes
Up to		Up to		Up to		Up to	
£22.7M	saved	£57.3M	saved	£86.7M	saved	£116.1M	saved
874	deaths	2,209	deaths	3,342	deaths	4,476	deaths

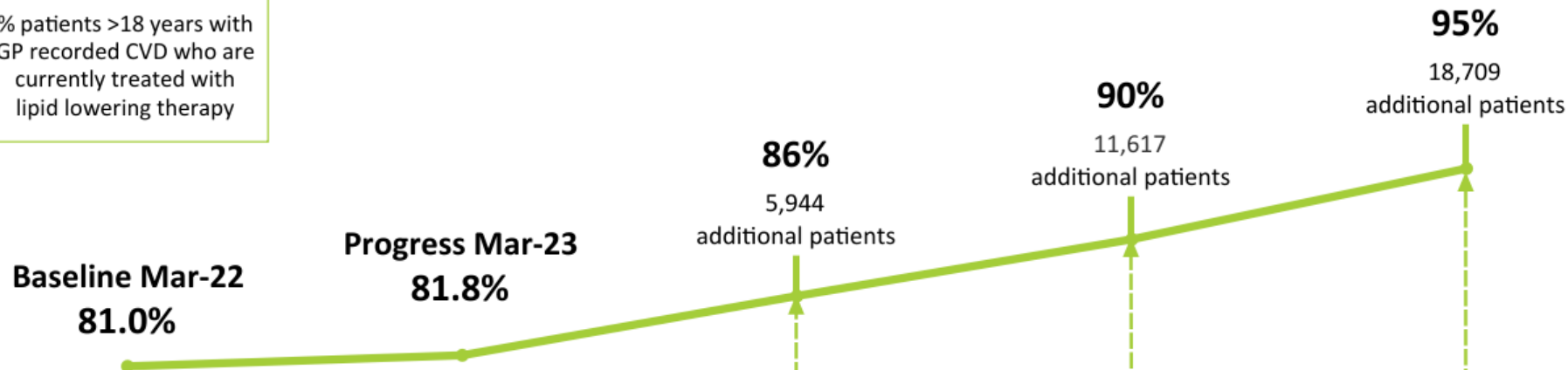
References
 1. Public Health England and NHS England 2017 Size of the Prize
 2. Royal College of Physicians (2016). Sentinel Stroke National Audit Programme. Cost and Cost-effectiveness analysis.
 3. Kerr, M (2012). Chronic Kidney disease in England: The human and financial cost

Modelling
 Data source: CVDPrevent. Briefing note: [CVDPrevent online methodology annex v1 December 2022](#)
 Potential events calculated with NNT (theNNT.com). For blood pressure, anti-hypertensive medicines for five years to prevent death, heart attacks, and strokes: 1 in 100 for heart attack, 1 in 67 for stroke.

Size of the Prize - Cheshire and Merseyside ICB

Cholesterol Optimisation to Prevent Heart Attacks and Strokes at Scale

% patients >18 years with GP recorded CVD who are currently treated with lipid lowering therapy



Ambition 1						Ambition 2						Ambition 3											
Potential cardiovascular events and deaths prevented in 3 years..																							
357				CV events				697				CV events				1,123				CV events			
43				deaths				84				deaths				135				deaths			

One hundred **strokes** =£1,391,000 cost to the NHS
 One hundred **strokes** =£951,100 cost to social care*
 One hundred **heart attacks** =£746,600 cost to the NHS

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- Collin et al. (2016), Interpretation of the evidence for the efficacy and safety of statin therapy, *The Lancet*, 388, 2532-2561. DOI: [https://doi.org/10.1016/S0140-6736\(16\)31357-5](https://doi.org/10.1016/S0140-6736(16)31357-5)
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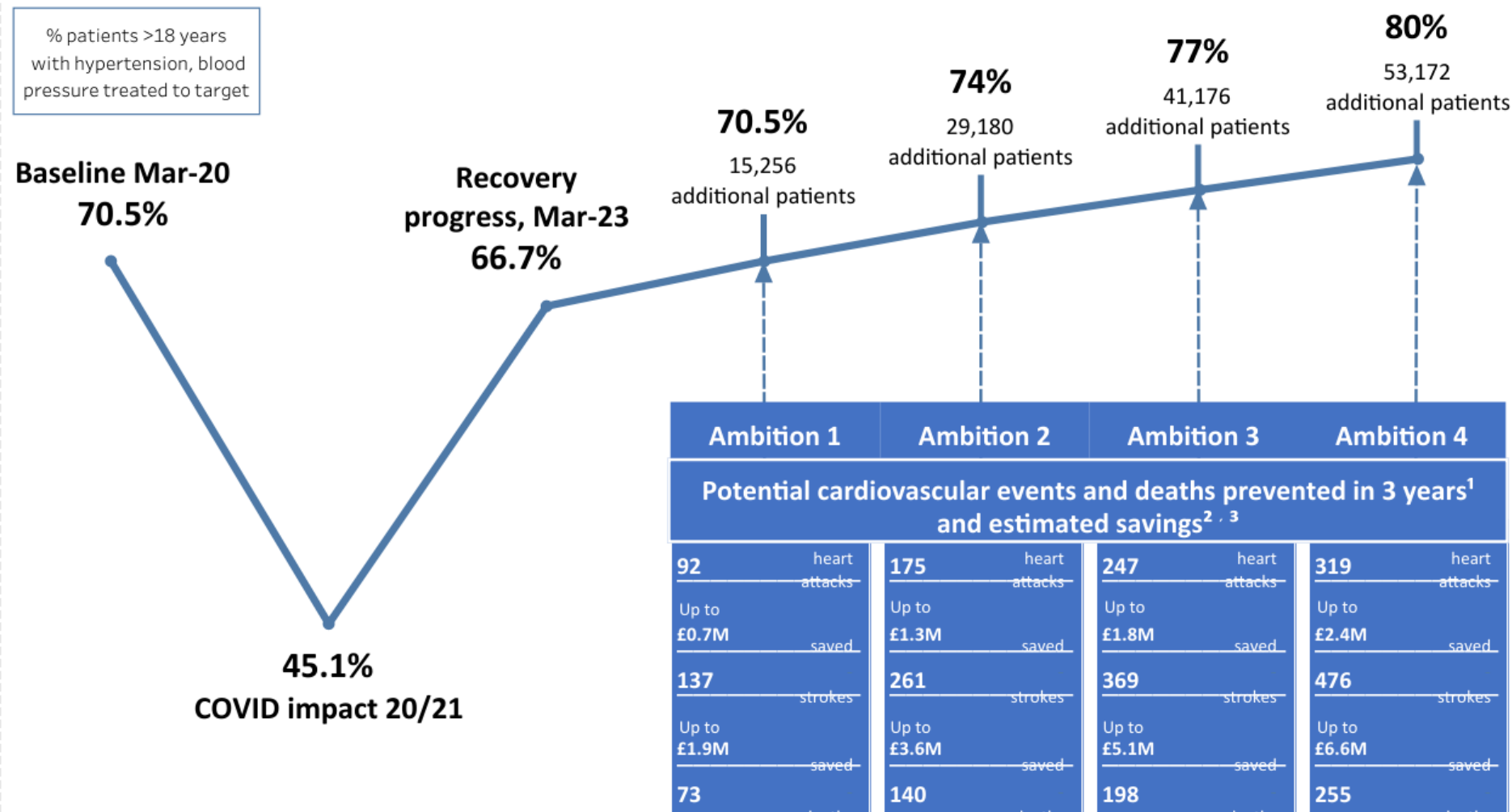
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Size of the Prize - Cheshire and Merseyside

BP Optimisation to Prevent Heart Attacks and Strokes at Scale



References

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- Royal College of Physicians (2016). Sentinel Stroke National Audit Programme. Cost and Cost-effectiveness analysis.
- Kerr, M (2012). Chronic Kidney disease in England: The human and financial cost

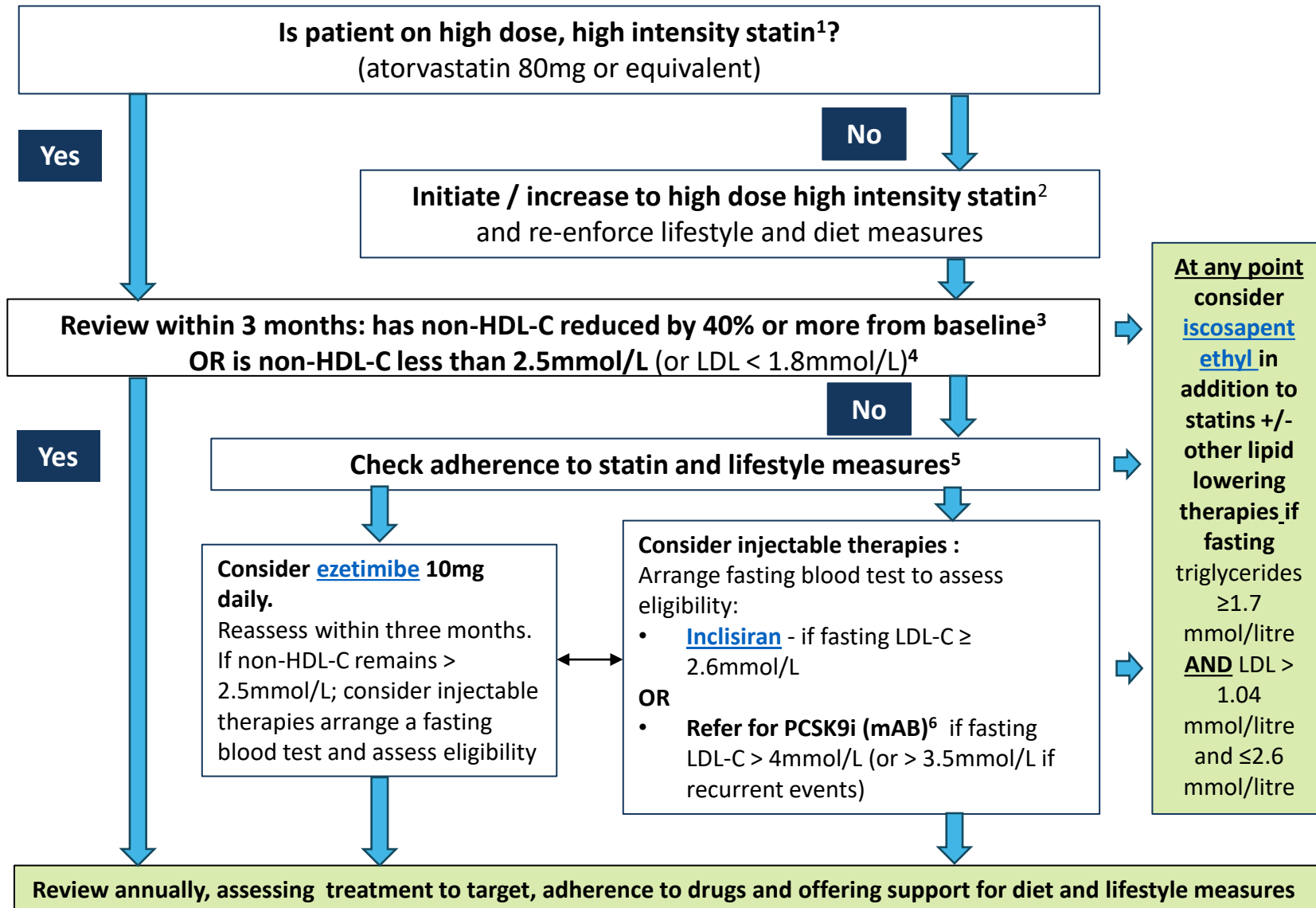
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 Potential events calculated with NNT (theNNT.com). For blood pressure, anti-hypertensive medicines for five years to prevent death, heart attacks, and strokes: 1 in 100 for heart attack, 1 in 67 for stroke.

The CVD prevention challenge in primary care

1. Late diagnosis, suboptimal treatment and unwarranted variation in the management of high-risk conditions for CVD is widespread and entrenched
 - 1 in 3 people with hypertension are undiagnosed. ([ONS](#))
 - 30% of people with diagnosed hypertension are not treated to target. ([CVDprevent](#))
 - 20% of people with existing CVD are not on essential cholesterol lowering treatment. ([CVDprevent](#))
 - There is limited support for patient education and self-management
2. Treatment optimisation has shown limited progress in decades.
3. It is critical to acknowledge that these usually silent high risk conditions are hard to manage in real world general practice
 - Complexity, multimorbidity, multiple priorities and time pressure are the norm.
 - Demand in primary care is overwhelming - there is never spare capacity
 - Contracts and incentives are not aligned to need and outcomes
4. Shifting the dial in CVD prevention will only happen by supporting primary care to do things differently ... and at scale

Optimisation Pathway for Secondary Prevention^{3,4}



Optimal High Intensity Statin for secondary prevention
(High intensity statins are substantially more effective at preventing cardiovascular events than low/medium intensity statins)

Atorvastatin	80mg
Rosuvastatin	20mg

- Dose may be limited, for example if:
 - CKD: eGFR<60ml/min – recommended starting dose - atorvastatin 20mg
 - Drug interactions
 - Drug intolerance
 - Older age / frailty
- See [statin intensity table](#). Use shared-decision making and incorporate patient preference in treatment and care decisions.
- [NICE CG181 CVD Risk Assessment and Reduction](#)
- [NICE approved Summary of National Guidance for Lipid Management](#)
- If statin not tolerated, follow [statin intolerance pathway](#) and consider [ezetimibe 10mg daily +/- bempedoic acid 180mg daily](#). If non HDL-C remains ≥ 2.5mmol/L despite other lipid lowering therapies consider injectable therapies.
- NICE Guidance: [Evolocumab](#), [Alirocumab](#)

Stroke PREMs (Patient Reported Experience Measures) 2022/23

Working in partnership



National report available on Future NHS:
<https://future.nhs.uk/strokecommunity>

Integrated Stroke Delivery Networks

- 20 delivery networks, working under the governance structure of the 7 NHSE Regions
- Local 'footprint' mapping to hub (Neuroscience Centre) and spoke stroke services
- Delivery of 'end to end' stroke pathway from pre-hospital to Early Supported Discharge, including CVD prevention



Integrated Stroke Delivery Networks

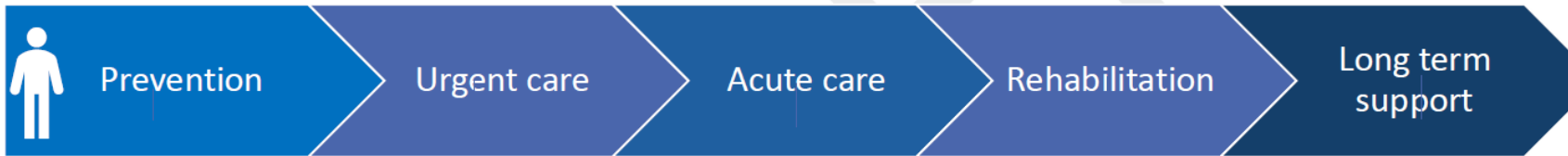
Providing improved stroke outcomes in every ICS

Patient information and engagement is consistent throughout the single system via a patient passport

Data and information are digital, interactive and accessible to all, across the whole system

Systems are aligned across the full pathway with strong clinical and network leadership

Modernised and upskilled workforce are recruited in line with system need



Primary Care with Primary Care Networks (PCNs)
Community pharmacy

999 / 111
Ambulance Service
Comprehensive Stroke Centres / Acute Stroke Centres

Acute Stroke Centres

Stroke Recovery Centres
ESD and community services
Social care

Primary care
Community services
Voluntary sector
Social care

Improved detection, primary and secondary prevention

Improved training and technology
Increased availability of thrombectomy and stroke thrombolysis

Clear transfer pathways
Seven-day nursing and therapy services

Comprehensive ESD for all appropriate patients for a minimum of six weeks
Seven-day services

Comprehensive rehabilitation, and personalised care and support for as long as the person needs it

Over 10 years thousands of premature deaths will be avoided, tens of thousands of disabilities will be prevented or lessened, and hundreds of thousands will benefit from **better integrated person-centred care**

Stroke Specific Leadership Academy

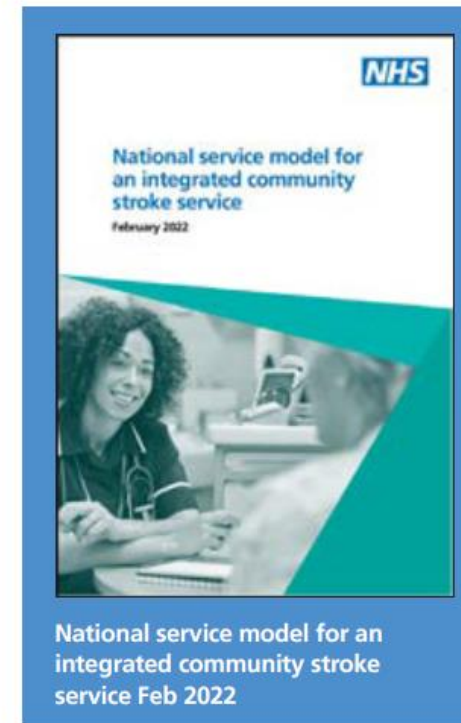
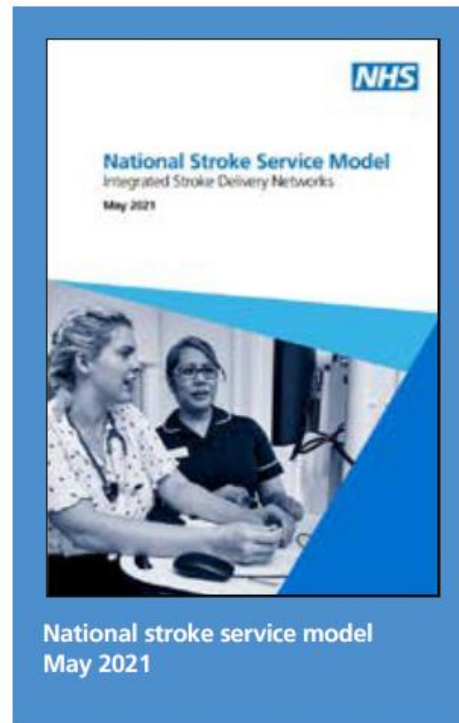
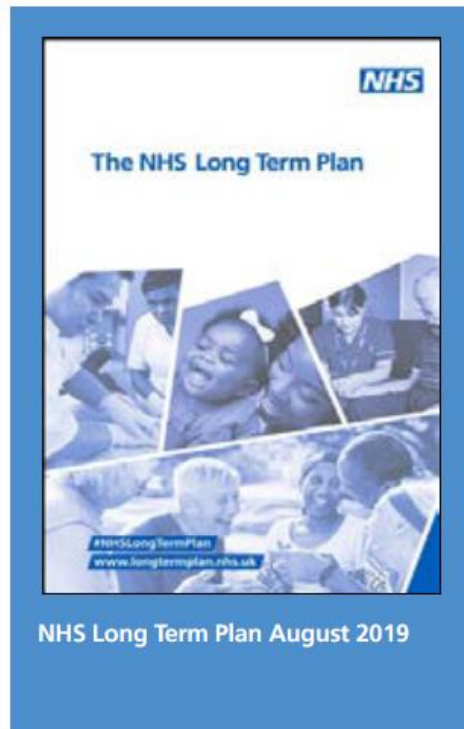
- Supporting and creating leaders within stroke
- Multi-professional
- Delivered by the Royal College of Physicians
- Modules developed and delivered by the King's Fund
- Recruitment for 24/25 intake soon



National Stroke Programme NHS England



Dr Rebecca Fisher
Senior Programme Manager, NHSE Stroke Programme



Rehabilitation and Life after Stroke Workstream

Addressing NHS Long Term plan priorities:

- Implementation and further development of higher intensity care models of rehabilitation
- Out of hospital
- Delivered in partnership with voluntary organisations including the Stroke Association
- Support improved outcomes to six months and beyond
- Provide a comprehensive dataset that meets the needs of all stakeholders

Medium term strategy

- Manage ill-health well; Focus on home and community-based care

Set direction, drive transformation of services: to implement high intensity and needs based model of stroke rehabilitation

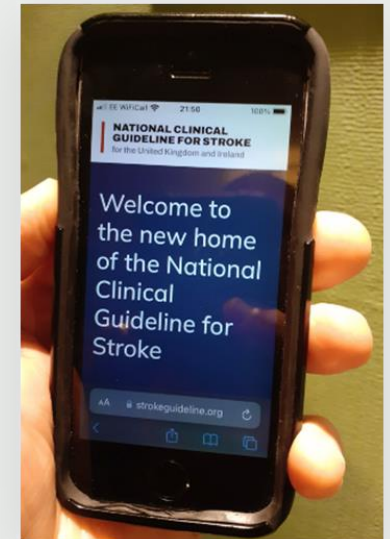
Enable expert networks: through Integrated Stroke Delivery networks and the Stroke quality improvement for Rehabilitation (Squire) programme

Support and Develop People and drive transformation: Staff training and development using the ACP credentialing system

Drive improvement: through national networks and use of audit and feedback in the community - Sentinel Stroke National Audit programme (SSNAP) expansion

Stroke Rehabilitation matters

- Reflects a substantial evidence base for stroke rehabilitation
- Complex interventions and organisation of service delivery
- Intensity of stroke rehabilitation; interdisciplinary working



National Stroke Rehabilitation Pilots

Demonstrating impact and providing transferable learning for **how the Integrated Community Stroke Service (ICSS) model can be implemented more widely and in different geographical contexts.**

- Use of rehabilitation assistants and interdisciplinary team working to increase **intensity and dose** of rehabilitation provided and ensure delivery of rehab is **needs-based**.
- Increased access to **psychological and vocational rehabilitation** by introducing specialist training to the multidisciplinary team (MDT), creating specialist regional roles that work across multiple teams and introducing well-being training
- Peer and family support through collaborative working with the voluntary sector, development of peer support hubs and **buddy roles to increase social participation**
- Successful cross-organisational working between community and hospital based stroke care and **health and social care** to avoid transfer delays and to tailor the rehabilitation and care offer to the patient (e.g. social care workers as part of the multidisciplinary team)

Testing of a core dataset to inform SSNAP expansion so that delivery of care and patient outcomes are routinely measured

ICSS Core Components

Virtual multidisciplinary expert panel

- Stroke consultant
- Rehabilitation Lead therapist
- Stroke specialist nurse
- Neuro/clinical psychologist
- Vocational Occupational therapist
- Social worker
- Community specialist: stroke buddy team

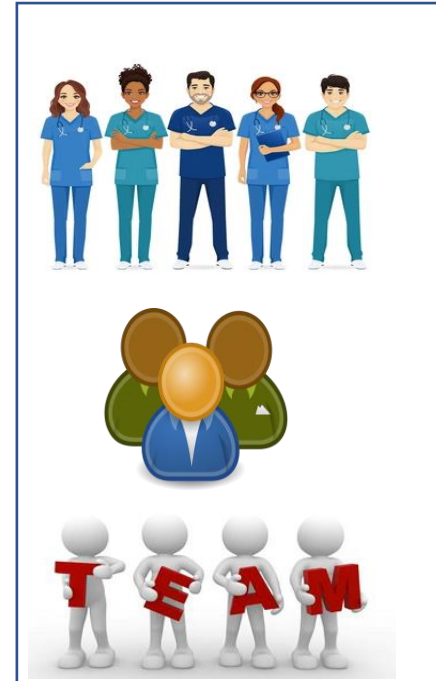
Stroke buddy role

Taking charge: empowering patients to navigate their recovery journey, supplemented by a "Safety Net" when they face obstacles



Early Supported Discharge Team

High Intensity



Intensity of rehab needs

Low Intensity



Community Rehab Team



Also delivered to carers and families

National Stroke Rehabilitation Pilots



Northumbria
A key feature: needs-based stroke rehabilitation delivery beyond 6 weeks

Northampton
A key feature: well-being training for all MDT members

North Central London
A key feature: MDT panel & buddy system supporting activities of daily living and social participation

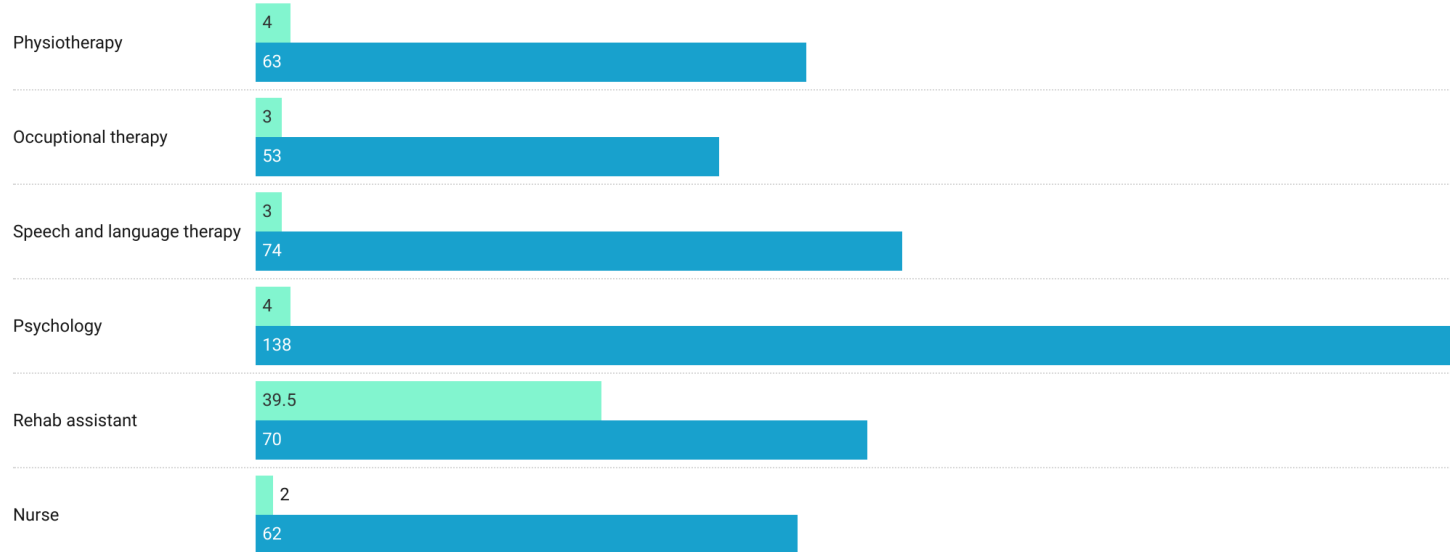
Therapy delivery: frequency & dose

Days of therapy received vs. days applicable for therapy - Northumbria

Face to face therapy

■ Days applicable for therapy ■ Days of therapy received

Northumbria ESD Team



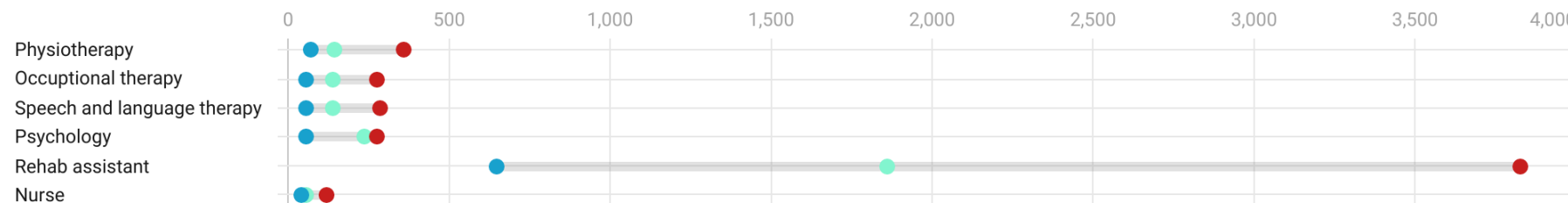
476 patients median length of stay: 64 days
 Different cohorts and applicability time periods
 Caution with summing across disciplines (55.5 days)

% of days on which therapy is received

	April-Jun 22	Oct-Dec 22	Northumbria
PT	16.8%	16.6%	7.6%
OT	13.5%	13.4%	7.1%
SLT	10.8%	10.7%	5.7%
Psych	3.7%	3.5%	8.1%
RA	-	-	38.7%

In person therapy minutes - Northumbria

Northumbria ESD Team



Summary – therapy delivery

- Collection of weekly data was a challenge and led to issues with data quality
- Adhering to SSNAP rules, difficulty getting data out of local systems and into SSNAP, manual data entry – need refresh of rules and provide upload function
- Data interpretation – minutes/ day only when therapy is received; % days over eligible period
- Consider minutes and days *per month*
- Consider the focus being what the patient receives rather than who is providing it
- Useful to have breakdown of face to face & remote delivery
- **Testing a refreshed SSNAP dataset**

	DATE	NAME OF TEAM MEMBER	OT		Physio	
			Min	total	Min	Total
[	14.10.21	Rebecca	40	40		
	14.10.21	Debbie	10	50		
[	15.10.21	Debbie	45	95		
	15/10/21	Andy	50	145		
[	16.10.21	Debbie	45	190		
	16.10.21	Rebecca	15	205		
	16.10.21	Jenny	30	235		
[	17.10.21	Jeanne	45	280		
	17.10.21	Jeanne	30	310		
	17.10.21	Jeanne	30	340		
[	18.10.21	Linda	40	380		
	18.10.21	Jenny	30	410		
	18.10.21	Jenny	20	430	15	15
[	19.10.21 8:15am	Adam	40	470		
	19.10.21	M. McGuff	30	500		
[	20.10.21	Debbie	35	535		
	20.10.21	Hannah	30	565	15	30
	21.10.21	Hannah	30	595	30	60
[	22.10.21	Jenny	30	625		
	22.10.21	Jenny	30	655		
	23.10.21	Jenny	30	685		
[	24.10.21	Linda	40	725		
	24.10.21	Linda	40 25	750	25	85

Patient outcomes: Barthel score

Changes in Barthel score

Excluding not entered

■ Independent
 ■ Minimal dependency
 ■ Moderate dependency
 ■ Severe dependency
 ■ Total dependency

Northumbria ESD Team



Northampton ESD/Community Stroke Team



North Central London



Source: SSNAP • Created with Datawrapper

Outcome measures routinely recorded across stroke care pathway

Measure of the service as a whole

Improvements in levels of dependency observed on discharge from the service which were sustained at 6 months

Barthel
<20: Total dependency
20-39: Severe dependency
40-59: Moderate dependency
60-79: Minimal dependency
80-100: Independent

Informing SSNAP dataset changes: inclusion of patient outcome measures

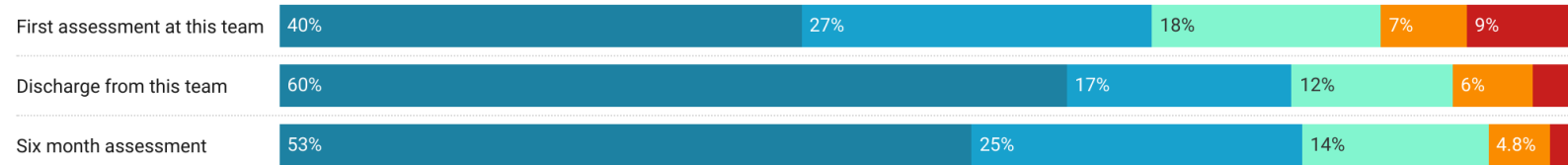
Improving provision of psychological care

Changes in PHQ score

Excluding not entered

■ Minimal depression
 ■ Mild depression
 ■ Moderate depression
 ■ Moderately severe depression
 ■ Severe depression

Northumbria ESD Team



Northampton ESD/Community Stroke Team



North Central London



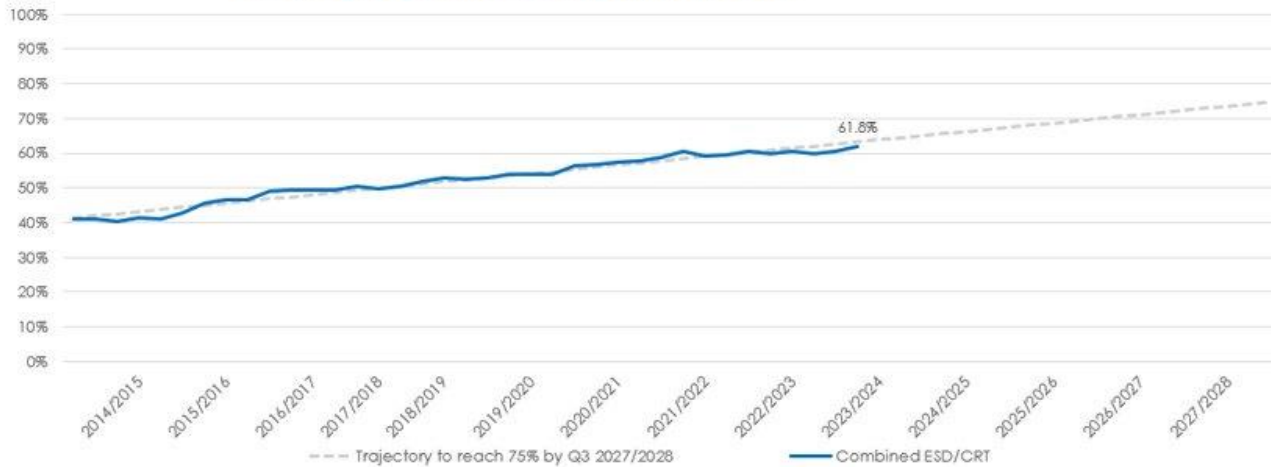
Improvements in depression levels observed on discharge from the service which were sustained at 6 months

PHQ
0-4: Minimal depression
5-9: Mild depression
10-14: Moderate depression
15-19: Moderately severe depression
20-27: Severe depression

Source: SSNAP - Created with Datawrapper

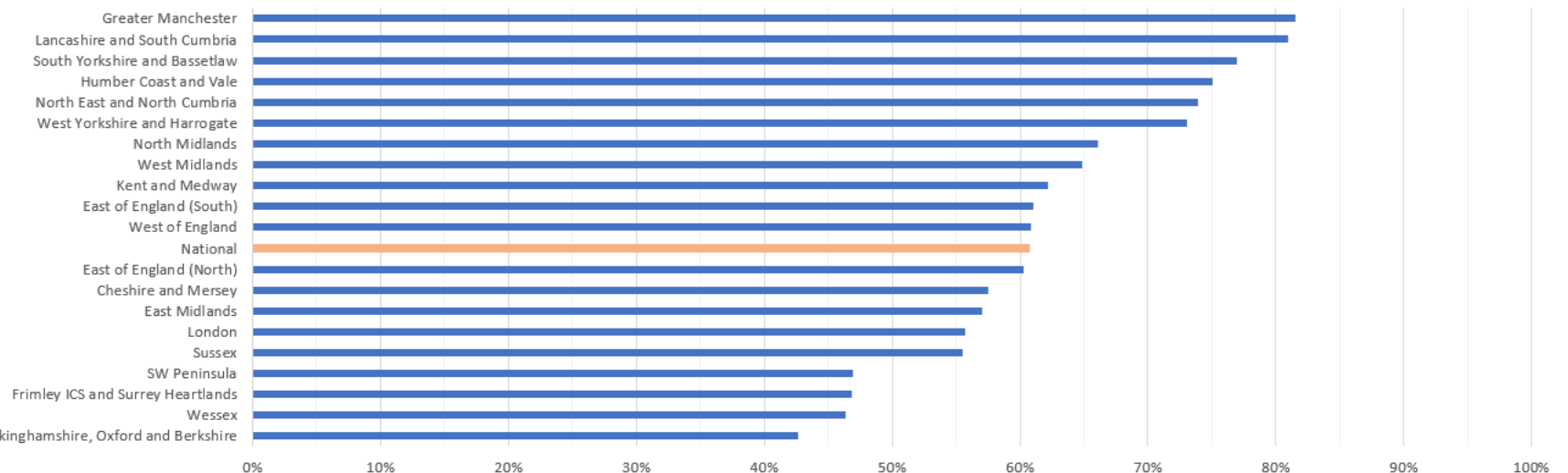
Improvements in SSNAP reporting

Percentage of patients accessing ESD and /or CRT



- Apr23-Mar24 Access to ESD, CRT and combined ESD-CRT services
 - Improved webtool for hospital discharge
- Apr23-Mar25 Improving measures of intensity and adoption of outcome measures
 - Testing collection of minutes based on therapy type and Barthel and EQ5D-5L

Percentage of patients discharged alive accessing a stroke/neuro specific ESD and/or CRT service (April 2022- March 2023)



Regional and ISDN highlight reporting from November 2023

Stroke Quality Improvement in Rehabilitation

SQURE

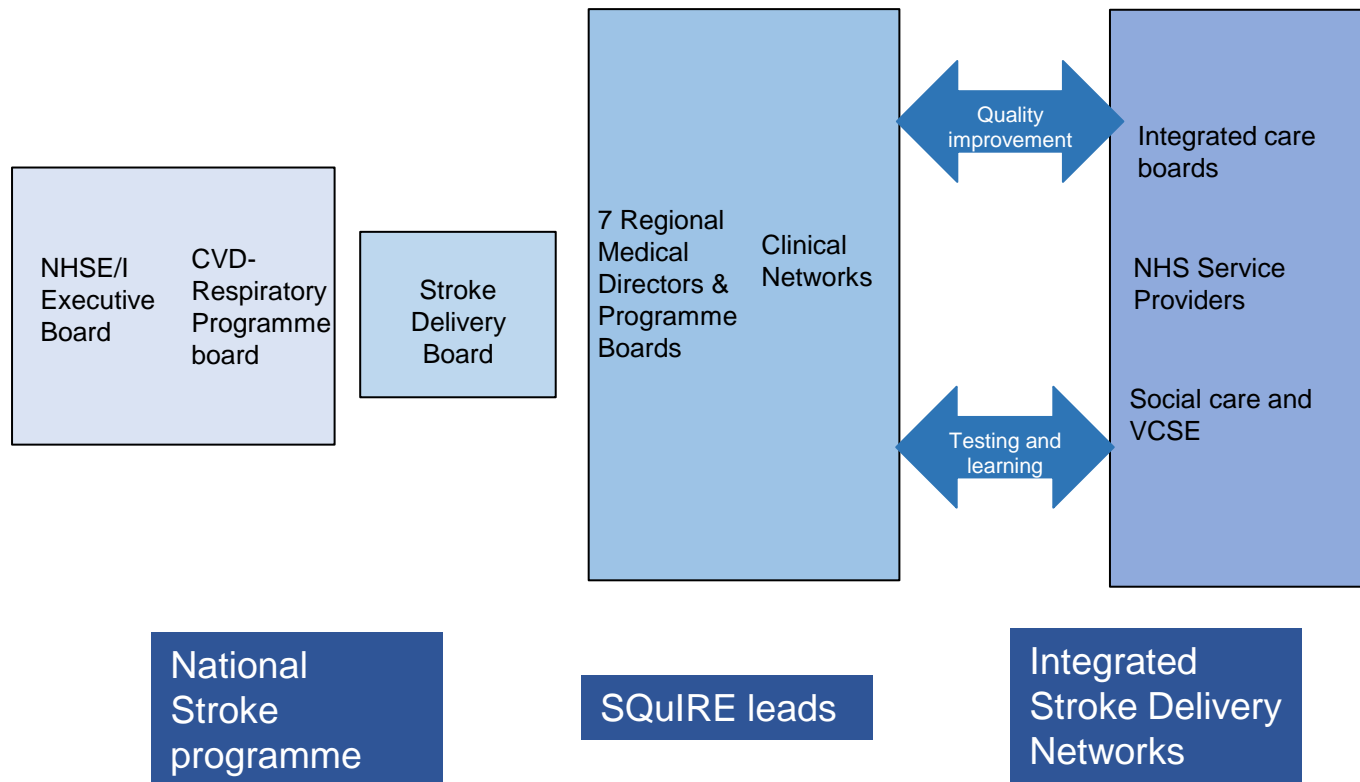


SQURE Leads

Charlie Dorer, East of England SQURE



Workstream 2023



National SQuIRE Quality Improvement Collaborative

Northumbria pilot



Northampton pilot



North Central London pilot



Business cases
and sustained
implementation

Key transferable
learning



74 Squire
Catalyst projects

Increase in
access to
services and
improved
patient
outcomes

Wider
implementation of
the ICSS model

The Integrated Life after Stroke Support (ILASS) model



- **The Integrated Life after Stroke Support (ILASS) model is now live on Futures!** The ILASS provides best practice guidance on provision of support services required to provide practical, emotional and social input to people affected by stroke. This support is required to rebuild a life after stroke and optimize a person's independence and reduce their risk of further stroke.
- As the largest provider of life after stroke services, NHS England has worked in partnership with the Stroke Association, to develop this document. It has been informed by the views and perspectives of a wide range of stakeholders including those with lived experience of stroke, charities providing services to stroke survivors, clinicians and healthcare professionals, managers and policy makers.
- This guidance should be used with the National Stroke Service model and National model for an Integrated Community Stroke Service to inform commissioning and provision of care for people affected by stroke.

Vocational Rehabilitation Toolkit



Supporting people back to work after a stroke



Health and work cycle



A healthy and happy workforce has synergistic benefits for:

- Workplaces
- Productivity
- The economy

Summary

NHS Long Term plan & Medium term strategy priorities

Testing of a core dataset that has informed SSNAP expansion

- Harnessing data use in the community to drive service transformation
- Therapy delivery: capturing dose and frequency
- Outcome measures: improvements in disability and dependency and quality of life

Further commitment to improving access to Stroke Rehabilitation

- National Rehabilitation pilots: *how* to implement the ICSS model across England in different geographical contexts
- Tangible examples, case studies, business cases for key transferable learning to drive improvement
- Squire: an embedded national network with a common mission to improve clinical outcomes and patient experience by transforming community stroke care across England

Thank you for listening



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