

**Date: Thursday, 14 January 2016**

**Democratic and Members' Services**

Quentin Baker

LGSS Director: Law, Property and Governance

**10:00hr**

Shire Hall  
Castle Hill  
Cambridge  
CB3 0AP

**Kreis Viersen Room  
Shire Hall  
Cambridge  
CB3 0AP**

## **AGENDA**

**Open to Public and Press**

### **CONSTITUTIONAL MATTERS**

**1 Apologies and Declarations of Interest**

*Guidance for Councillors on declaring interests is available at*

<http://tinyurl.com/ccc-dec-of-interests>

**2 Minutes - 19th November 2015**

**5 - 22**

**3 Minutes Action Log Update**

*to follow*

**THEME - PRIORITY 3 – Encourage healthy lifestyles and  
behaviours in all actions and activities while respecting people's  
personal choices**

**4 A Person's Story**

**23 - 24**

<b>5</b>	<b>Health and Wellbeing Strategy - Priority 3 update</b>	<b>25 - 44</b>
<b>6</b>	<b>Prevention Strategy for the Health System Transformation Programme</b>	<b>45 - 166</b>
<b>7</b>	<b>Public Health Reference Group Update</b>	<b>167 - 176</b>
<b>8</b>	<b>Community Resilience Strategy</b>	<b>177 - 184</b>

## **GENERAL BUSINESS**

<b>9</b>	<b>Older People's and Adult Community Services Contract</b>	<b>185 - 186</b>
<b>10</b>	<b>Planning for the Better Care Fund 2016-17</b> <i>to follow</i>	
<b>11</b>	<b>Public Health business planning 2016-17</b> <i>to follow</i>	
<b>12</b>	<b>Forward agenda plan</b> <i>to follow</i>	
<b>13</b>	<b>Date of next meeting:</b> <ul style="list-style-type: none"> <li>• 10am on Thursday 17th March 2016, at East Cambridgeshire District Council, The Grange, Nutholt Lane, Ely CB7 4EE</li> </ul>	

The Cambridgeshire Health and Wellbeing Board comprises the following members:

Councillor Tony Orgee (Chairman)

Councillor Margery Abbott Councillor Daryl Brown Councillor Mike Cornwell Councillor Sue Ellington Sylvia Knight Kate Lancaster Adrian Loades Chris Malyon Val Moore Dr Sripat Pai Liz Robin Councillor Joshua Schumann Aidan Thomas and Matthew Winn Councillor Paul Clapp Councillor Lucy Nethsingha Councillor Peter Topping and Councillor Joan Whitehead

*For more information about this meeting, including access arrangements and facilities for people with disabilities, please contact*

Clerk Name: Ruth Yule

Clerk Telephone: 01223 699184

Clerk Email: [ruth.yule@cambridgeshire.gov.uk](mailto:ruth.yule@cambridgeshire.gov.uk)

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## **CAMBRIDGESHIRE HEALTH AND WELLBEING BOARD: MINUTES**

**Date:** 19th November 2015

**Time:** 10.00 to 13.20

**Place:** Kreis Viersen Room 5, Shire Hall, Cambridge

**Present:** Cambridgeshire County Council (CCC)  
Councillors P Clapp, L Nethsingha, T Orgee (Chairman) and J Whitehead  
Dr Liz Robin, Director of Public Health (PH)

District Councils

D Brown (Huntingdonshire), S Ellington (South Cambridgeshire) and T Moore (Cambridge City, substituting for Cllr Johnson)

Cambridgeshire and Peterborough Clinical Commissioning Group (CCG)

Dr John Jones

Dr Sripat Pai (substituting for Dr Neil Modha)

Healthwatch

Val Moore

Voluntary and Community Sector (co-opted)

Julie Farrow

**Also present:** Dr Cathy Bennett (Chair of CATCH Local Commissioning Group and GP Vice Chair to the CCG Governing Body) and Jessica Bawden (Director of Corporate Affairs, CCG)

**Apologies:** Councillors M Cornwell (Fenland), R Johnson (Cambridge City), M Loynes (CCC) and J Schumann (East Cambridgeshire); M Berry (NHS Commissioning Board), A Loades (Executive Director: Children, Families and Adults Services (CFAS)), C Malyon (Section 151 Officer) and N Modha (CCG)

### **160. INTRODUCTION AND DECLARATIONS OF INTEREST**

The Chairman welcomed Councillor Daryl Brown to his first meeting of the Board, and welcomed Dr Cathy Bennett. He also welcomed the Police and Crime Commissioner (PCC), Sir Graham Bright, and Dorothy Gregson, Chief Executive to the PCC, attending for agenda item 6 (minute 165). The Chairman invited Sir Graham to the table as the Board's honoured guest,

Councillor Brown declared interests as Lead Governor of Cambridge University Hospitals NHS Foundation Trust (CUHFT) and Chief Executive Officer of MAGPAS.

### **161. MINUTES – 17th SEPTEMBER 2015**

The minutes of the meeting of 17th September 2015 were signed as a correct record.

## **162. MINUTES ACTION LOG UPDATE**

The Board received a tabled Action Log, noting that recent IT problems had made it difficult to bring this up-to-date. The Democratic Services Officer undertook to supply an updated Log following the meeting. **Action: R Yule**

## **163. A PERSON'S STORY**

The mother of two older teenagers with severe learning difficulties described her experience of local health services. Both children functioned well below their chronological age and also had difficulties with speech and communication. Neither had complex or critical health needs, but the impact of their conditions on their health meant that they accessed health services more than most families. In general her experiences so far had been positive, but she worried about whether the system would support her children when they become adults.

Examples of particularly helpful interventions and services included

- the school nurse arranging a meeting with paediatrician, occupational therapist (OT) and class teacher to look at difficulties which had arisen last year. The paediatrician had explained the reasons for the child's problems, and all involved could discuss specific strategies and implement a behaviour management programme. This multi-disciplinary meeting had been crucial for the speaker, because it had enabled her to gain understanding of her child's situation
- provision of a play service crèche at Addenbrooke's Hospital when the children were young had meant their mother could leave one or both children there while attending appointments; it had now been closed as part of cost-cutting measures
- the social worker last year arranging regular overnight respite care away from home for both children one night a week; this had provided a rest from the exhausting and time-consuming evening routine and made a huge difference to the parents' physical and mental health
- the recent change in arrangements for provision of incontinence supplies – these were now available through school nurses, and so much simpler to obtain than under the previous system of going through the GP.

Some recent changes had been unhelpful:

- replacement orthotic equipment, including referral to an orthotics clinic if needed, used to be arranged by a community physiotherapist based at the local school, but now only pupils who had regular physiotherapy at school could use the school-based physiotherapist; as her children did not receive regular physiotherapy, the speaker had to arrange for replacement of orthotics through her GP instead
- the school nursing service had been reorganised; instead of a specific nurse being based in school three days a week, school nurses were now office-based and covered several schools. The first approach to a school nurse now had to be via a stranger at the generic service, rather than direct to a known person; this would have made last year's problem far harder to admit to and address
- out-sourcing of wheelchair services had led to difficulties such as a wheelchair being delivered to home rather than school, so it could not be fitted to the child.

The speaker pointed out that small things could make a huge difference, and changes to one service could have unintended consequences for another service. She urged that changes, including outsourcing to private providers, be assessed in the wider context, and the consequences be considered for both the patient and other services.

What had helped the speaker was:

- staff having some awareness of learning disability and a flexible attitude
- contact with a health professional who had understanding
- easy access to health systems
- health and social care working together.

In the course of discussing what they had heard, Board members

- noted that the speaker had not herself been asked for feedback on changes in services, but had contributed to consultation on review of respite services. She had responded that, rather than direct payments, the only respite that really helped her family was to have the children cared for overnight away from home in a place they could trust
- learned that the change in provision of continence services had come about as a direct result of parents speaking up
- heard that the speaker's GP was very supportive, but when parents were at their most vulnerable, they also needed to have a health worker who knew the family's situation, such as the school nurse under previous arrangements
- reported that work had been done at NICE (the National Institute for Health and Care Excellence) on guidance for healthcare professionals on working with children with learning disability and asked what the plan was for moving towards the gold standard, given that healthcare professionals were required to know and observe NICE guidelines
- enquired whether people from different organisations and services met to talk about new evidence
- stressed the importance of ensuring that parents were aware of what assistance they could and could not claim, such as that available for eligible families from the Family Fund.

The Chairman thanked the speaker for sharing her story, which had been very helpful to the Board. The Board noted the story as context for the remainder of the meeting.

#### **164. HEALTH AND WELLBEING STRATEGY – PRIORITY 1 – ENSURE A POSITIVE START TO LIFE FOR CHILDREN, YOUNG PEOPLE AND THEIR FAMILIES**

The Board received a report updating members on progress with the Health and Wellbeing Strategy Priority 1: 'Ensure a positive start to life for children, young people and their families'. Members noted that the Health and Wellbeing Board (HWB) had last year agreed delegation of Priority 1 to the Children's Trust Board. The Trust had changed its structure recently, and was now headed by the Children's Trust Executive Partnership (CTEP) which included the Chairs of the Area Partnerships. Joint commissioning arrangements had been established with Cambridgeshire and

Peterborough under the oversight of the Children's Health Joint Commissioning Board (CHJCB).

In relation to the four points the previous speaker had identified as helpful

- clear competencies round staff working with children with Special Educational Needs and Disability (SEND) had been set; the Service Director Strategy & Commissioning CFAS would convey to the CHJCB the point about the need to reflect on practice **Action: M Teasdale**
- ways of ensuring that parents had a single person as their point of contact for multiple services were being explored
- arrangements for the school nursing service were being examined
- Education, Health and Care Plans (EHCPs) were working well for parents who had them; how to learn from cases that went less well was being explored
- EHCPs were being reviewed with the involvement of pinpoint.

Discussing the report, Board members

- commented that issues with waiting lists for Child and Adolescent Mental Health (CAMH) services were widespread and had been recognised locally and nationally with an injection of funding
- reported that the closure of CAMH waiting lists for Attention Deficit Hyperactivity Disorder (ADHD) and Autistic Spectrum Disorder) ASD had been raised with the Children and Young People Committee as a matter of urgency
- reported that locally, Public Health had put training in place for school nurses to enable them to support pupils with mental health issues; anecdotally, school nurses were encountering many such cases, and were supporting them beyond their role in school term time, but could not continue this through the school holidays. The amount of mental health work school nurses were doing was preventing them from carrying out their public health work.

The Service Director said that the Mental Health Transformation Plan was looking at ways of working within and between services, though she could not guarantee that that level of support would not be needed for those with emotional and behavioural difficulties. The intention was that people should be able to undertake their full roles rather than feeling they must concentrate on mental health aspects of their work

- noted that the national Healthy School Programme no longer existed, but healthy school work was being undertaken and funded locally
- enquired about sources of benefits advice. It was explained that benefits advice was a complex area and not necessarily covered by locality teams. Such advice was provided by the voluntary sector in some parts of the county, though e.g. Fenland was not covered by funding agreements that enabled advice provision
- in relation to the multi-agency framework for information on SEND, noted that pinpoint invited parents of those with SEND to be part of their network, and schools were asked to signpost parents to pinpoint; this enabled the local authority to channel communication through one organisation



- commented that children received less help and fewer resources once they reached the age of 16, and stressed the need to address the problems of transition between children's and adults' services; some pupils could fail to make the move into adult services, and those attending private schools were not necessarily known to the system
- noted that there were transition services in place, and that further education colleges were undertaking work to ensure that pupils remained in appropriate provision within the county
- reported that FACET (Fenland Area Community Enterprise Trust) no longer provided courses for people with autism. The Service Director undertook to find out more about this for the Member **Action: M Teasdale**
- drew attention to the wider dimension in relation to efforts to build communities and build futures – these were all influenced by the availability of educational and employment opportunities, the plans of district councils, and the wider economic picture nationwide
- noted that there was to be a further report on CAMH to the Children and Young People Committee, that the Local Safeguarding Children Board (LSCB) had received a report from CAMH, and that there was to be a report on mental health waiting lists to the Health Committee in January 2016
- asked whether services had been increased to meet the reported rise in self-harm and noted that additional funding was coming into Cambridgeshire and Peterborough for Emotional and Mental Health Wellbeing (EMHWB).

The Chairman asked that an update report on CAMH service provision be brought to the Board in six months' time. Officers undertook to consider how the Board might best review the matter, bearing in mind the timetable for reports coming to the Health Committee and the Children and Young People Committee. **Action: L Robin**

The Board noted the update.

## **165. REFLECTIONS ON PRIORITY 4 MEETING FROM THE POLICE AND CRIME COMMISSIONER**

The Police and Crime Commissioner, Sir Graham Bright, accompanied by his Chief Executive Dorothy Gregson, addressed the Board with his reflections on the Board's previous meeting, which had focussed on HWB Priority 4 (Create a safe environment and help to build strong communities, wellbeing and mental health). He explained that he was present as Crime Commissioner, not Police Commissioner; the role of Crime Commissioner was concerned with prevention and getting involved to support work in the community. One of the priorities he had given to the Police was supporting victims and the vulnerable.

The Crime Commissioner reported various initiatives, including that

- he had established the first Victims' Hub in the country, which was already being imitated. The Hub, run by his office, provided support to victims, particularly the most vulnerable amongst them. These were often people with mental health difficulties, so three psychiatric nurses had been brought into the Hub so that they could talk to victims and give advice

- efforts to stop people with mental health problems ending up in police cells were on track to succeed; he was trying to dispel the idea that only those with substantial training could help with mental health problems. With some funding support from Fenland and South Cambridgeshire District Councils, he was trying to put community psychiatric nurses (CPNs) into the police call centre (as the only 24-hour service) so that they could help call handlers directly; it was better to have help available directly rather than needing to refer people on
- he had put £1.2m into crime and disorder reduction grants, funding amongst other things spectrometers for Peterborough and Cambridge to give identification of drugs within minutes
- efforts were being made to reach out into the community to reduce domestic violence and its impact on children
- he had established a youth fund, from which organisations working to engage young people in positive activities could claim grants of between £200 and £2,000 for particular projects; he could provide examples of where these initiatives had succeeded in turning people round. He had also established a Volunteer Police Cadets Scheme, the aims of which similarly included diverting young people from a life of crime.

Sir Graham said that the funding was spread thinly but made a considerable difference. The effectiveness of the various initiatives was reviewed annually; the projects were intended to contribute to residents' sense of wellbeing.

In answer to Board members' questions and observations, the Crime Commissioner said that

- the PCC was forbidden to become involved in operational issues, such as numbers of police in any one area; such a question would have to be raised instead with the Chief Constable
- if given details, he would follow up reports of lack of action against gangs
- Community Psychiatric Nurses would be placed in the call centre once the funding had been secured; it was important to have them directly available in the call centre, to avoid having to transfer a police officer or a distressed caller in emergency, and to avoid forcing people to make decisions they were ill-equipped to make. CCG representatives drew attention to work to develop the combined Out of Hours and 111 service; the PCC's Chief Executive undertook to discuss plans with the CCG
- street lighting was a matter for evaluation by local authorities rather than the police; as long as there was lighting in hotspot areas, there was no evidence of reduced lighting leading to increased crime levels.

In discussion, a member drew attention to the situation of drug addicts sleeping rough on the streets. They were already disadvantaged, and when they were disturbed by being moved on by the police, they were often too tired to keep appointments such as benefits meetings, which resulted in withdrawal of benefits as a sanction for missing appointments. The police should not be blamed for their action, as there was little alternative accommodation available for such people, but as with reduced street lighting possibly being associated with an increase in falls, this was another example of measures having consequences that crossed many boundaries.

The Director of Public Health and the Chairman thanked the Police and Crime Commissioner for his reflections, which demonstrated that he was engaged in a considerable amount of work that was highly relevant to the aims of the Health and Wellbeing Board.

#### **166. PREVENTION WORK FOR THE HEALTH SYSTEM TRANSFORMATION PROGRAMME**

The Board received a report introducing the first draft of a health system prevention strategy for Cambridgeshire and Peterborough. Members noted that this was a strategy focussed on NHS system transformation and looking at what would save money for the local NHS over the next five to ten years. It represented one strand of wider health, wellbeing and prevention work, and because it had initially been written in an NHS context was perhaps written in language less suitable for a wider audience. It was noted that report paragraph 2.2 was incomplete and should read [additional text underlined] 'Prevention, at all levels has been recognised as critical to building a sustainable health system, through reducing current and future demand'.

Discussing the report and draft strategy, Board members

- commended the considerable amount of work that had gone into developing the draft strategy
- pointed out that much of the activity identified was already being done or could be done by the District Councils through their environmental services and expressed concern at the apparent lack of district involvement in developing the strategy. Members noted that the strategy had initially been developed in consultation with the Public Health Reference Group (PHRG), which included district officers, and that the PHRG would receive a final version of the strategy before it was submitted for approval to the Cambridgeshire and the Peterborough HWBs in January 2016
- noted that following feedback from the Health Committee, funding would be reinstated for long acting reversible contraceptives (LARCs) in 2016/17, and smoking cessation work would be subject to a smaller saving than originally proposed
- asked whether there would be saving to the NHS from a reduction in sugar in foods; if manufacturers were to implement this, as had been done with salt levels in manufactured food, consumers could benefit without having to change their habits. Members noted that Public Health England was investigating the possible benefits of reducing sugar levels; the strategy focussed more on changes that could be made at local level
- noted that there was insufficient evidence of savings arising directly to the NHS in the short term (five to ten years) from promoting physical activity for it to be included in the strategy, but physical activity did already feature for those with health conditions
- commented that there was a considerable benefit to e.g. attending sitting exercise classes, as reducing social isolation and loneliness in the elderly, which were themselves damaging to health; it was noted that there had not been sufficient evidence of financial gain to the NHS for it to be included in the strategy

- pointed out that Peterborough was not the only area to suffer deprivation; levels of deprivation were also high in e.g. Wisbech. Officers advised that the next edition of the strategy would look more closely at other parts of the county; Peterborough had been intended as an example
- noted that work on clinical pathways and how to translate policies into clinical practice was being undertaken by the CCG
- stressed the importance of making it clear at the start of the strategy that it was not the only piece of work being done
- suggested that, rather than changing the language of the document, the executive summary should be accompanied by a glossary of terms.

The Board noted the first draft of the health system prevention plan.

#### **167. PLANNING INTENTIONS FOR CAMBRIDGESHIRE AND PETERBOROUGH 2016/17**

The Board received a report on the planning intentions and process for the Cambridgeshire and Peterborough health system in 2016/17. Board members largely welcomed the report and in response

- commented that there had been reports of research indicating that there was little demand for routine GP appointments at weekends and asked whether it might be worth investigating provision of emergency rather than routine GP work. Members noted that work was being done with Borderline Local Commissioning Group (LCG) using the Prime Minister's Challenge Fund to examine out of hours provision further
- in relation to aligning voluntary and community sector (VCS) services to support patients on discharge from hospital, pointed out that it was difficult for the sector to respond quickly to changing plans, and noted that there was work being done with the Care Network to explore the obstacles to discharge
- suggested that the introduction into GP surgeries of decision management software which included the VCS should help improved co-ordination
- recalled that the question of what should be the first point of contact had emerged in discussion with the Crime Commissioner and commented that it should be seen not as CCG-centred but as CCG and stakeholders working together
- noted that the 111 service had been transferred to a new provider on 1st October 2015; any difficulties with the service since that date should be reported to the CCG's Director of Corporate Affairs
- noted that cases of tuberculosis had been diagnosed in Peterborough, Cambridge and Chatteris
- suggested that aiming for 'an operating model for the health and social care system that helps people to help themselves, where the majority of people's needs are met appropriately through family and community support' was perhaps unrealistic and – given fears around cuts to social care services – might be seen

by some as rather worrying. The CCG's Head of Operational Planning acknowledged the point, saying that the aim had been written for the previous year's BCF, and undertook to revisit this wording.

The Board noted the report.

#### **168. UPDATE ON HEALTH AND WELLBEING BOARD DEVELOPMENT DAY**

The Board received a brief report on the recent HWB Development Day, noting that the session had identified a number of issues relating to working together as a Board, on both practical and more strategic levels. Participants had suggested establishing a working group to explore further the various ideas for working together.

Members were supportive of the proposed working group, saying that it should be of fairly small size, with membership drawn from across the HWB. It was suggested that a representative from one of the providers might be invited to join the group. The question of how to identify this representative was explored briefly. It was pointed out that the membership of the System Transformation Board included providers, who could be asked if they wished to be represented on the working group.

The Health and Wellbeing Board resolved to

- note the report on the development session held on 29 October 2015
- explore and further develop the ideas and suggestions for future ways of working as a health and wellbeing board
- establish a working group tasked with exploring and developing the detail around future ways of working, the members of the group being
  - Jessica Bawden
  - District Councillor Mike Cornwell
  - Julie Farrow
  - Val Moore
  - a County Councillor, either Paul Clapp or Lucy Nethsingha as decided by them
- ask provider members of the System Transformation Board whether they wished to appoint a provider representative to the working group.

**Action: A Lyne**

#### **169. BETTER CARE FUND – QUARTERLY REPORT AND PLANNING FOR 2016-17**

The Board received a report and presentation (attached to these minutes as Appendix A) updating it on the quarterly reporting process and current developments in the Better Care Fund (BCF), and on planning for 2016/17. The draft quarterly return would be circulated to Board members after the meeting for comment.

Members were advised that the BCF would continue for next year, but funding details would not be known until after the November government Spending Review; it was expected that the level of the Fund would remain broadly similar to the current year's BCF. In the course of the presentation, it was noted that

- there had been an increase in non-elective hospital admissions; efforts were being made to ascertain the factors involved
- the BCF plan had not been met since April 2015, and variance from the plan had been increasing
- instead of the BCF plan reduction of 1% in non-elective admissions, both main hospitals, Addenbrooke's (CUHFT) and Hinchingbrooke (Hinchingbrooke Health Care NHS Trust, HHCT) had seen an increase in such admissions
- around half of BCF expenditure was on the Older Peoples and Adults Community Services (OPACS) contract provided by UnitingCare
- supporting carers helped avoid hospital admission of both carer and person cared for; voluntary sector assistance to carers included the Carers' Prescription Service.

In the course of discussion, Board members further noted that

- there were more non-elective admissions from the under-5 and over-65 age groups, but the large majority was of those over the age of 65
- over-65s tended to have longer stays once in hospital
- work was being done to support provision of ambulatory care where appropriate, including the establishment of Joint Emergency Teams (JETs)
- there appeared to be a correlation between increased satisfaction with GP services and reduced
- minor injuries units were used well and effectively when sited close to a hospital, but did not necessarily lead to a reduction in admissions.

Members asked for more detailed information in future reports, including breakdown by age, length of stay, readmission rates, and geographical area.

The Board noted the report and presentation, and the invitation to comment on the Quarterly Report to be circulated in draft following the meeting.

## **170. FORWARD AGENDA PLAN**

The Board noted the forward action plan. Members were invited to direct any queries to the Democratic Services Officer.

## **171. CAMBRIDGESHIRE AND PETERBOROUGH HEALTH AND CARE SYSTEM TRANSFORMATION PROGRAMME**

The Board received an update report on the Health and Care System Transformation Programme. Members noted that system transformation was a programme examining what could be changed across the health system in Cambridgeshire in order to improve outcomes for people and enable financial sustainability.

The Board was advised that

- the choice of venue for Public Involvement Assemblies was being reconsidered in the light of very poor attendance at recent sessions in Chatteris and St Neots.

- two major areas of work at national level would affect local work, the delayed development of Vanguard standards and work on maternity services.

In response to member concern at separation between the various workstreams and the apparent lack of significant progress between Board meetings, the Programme Director explained that the programme was rooted in the system as it currently existed and was producing ideas about possible future changes. The workstreams mirrored the pattern of current working, and the System Transformation Board provided a mechanism for joining them up at a higher level.

The Board noted the update.

## **172. DATES OF NEXT MEETING**

Noted dates of the Board's forthcoming meetings (all at 10am on Thursdays):

- 14th January 2016, South Cambridgeshire Hall, Cambourne CB23 6EA
- 17th March 2016, East Cambridgeshire District Council, The Grange, Nutholt Lane, Ely CB7 4EE

Chairman







## Better Care Fund Quarterly Report

to Cambridgeshire  
Health & Wellbeing Board

19 November 2015

Gill Kelly, Integration Lead – CCG

Geoff Hinkins – Integration & Transformation Team - CCC

### Q2 Non Elective Activity

Cambridgeshire		Q1			Q2		
		April	May	June	July	August	September
Monthly Activity	BCF Plan	4,719	4,719	4,719	4,619	4,619	4,619
	Actual	4,800	4,949	5,002	5,087	4,782	5,178
	Variance	80	230	283	468	163	559
	% Variance Against BCF Plan	1.7%	4.9%	6.0%	10.1%	3.5%	12.1%
Quarterly Plan Total				14,158			13,857
Quarterly Actual Total				14,751			15,048
Variance Against BCF Plan				593			1,191
% Variance Against BCF Plan				4.2%			8.6%

## Non Elective Activity Key Points



During Q2 non elective activity in both main hospitals – CUHFT and HHT has exceeded the BCF plan in both the under and over 65 year old age bands

## BCF Plans



- Around 50% of BCF expenditure is on the OPACS Contract provided by UnitingCare
- Focus on non elective pathway for people age 65 years and over + also adults with long term conditions to prevent avoidable hospital admissions
- Admission avoidance schemes for over 65 year olds are :
  - OneCall & Joint Emergency Team (JET)
  - Neighbourhood team implementation
  - Case management

## OneCall & JET



- JETs - accessed via OneCall - the single point of co-ordination launched to GPs on 6 May to prevent emergency admissions through a rapid response and co-ordination of supportive services to patients in their homes
- Q2 - demand for OneCall and JET was below plan
- Q2 - mitigating actions – increase of JET capacity + access expanded to nursing homes.
- Q3 - plan to continue to progressively expanded to care homes and case managed patients and their carers - expected to result in increased referrals and further impact non elective admissions

## Neighbourhood Teams (NTs)



- Q1 & Q2 activity – staff consultation to set up 16 neighbourhood teams across Cambridgeshire and Peterborough.
- Q3 – 16 multi-disciplinary NTs launched, each based around five GP practices.
- Responsible for providing person centred community-based healthcare
- Q3 / Q4 commence consultation for the four integrated care teams (ICTs) which will sit above the neighbourhood teams and provide specialist support
- ICTs in place from January 2016

## Case Management



- Case management will support people, who are at the greatest risk of deterioration or future hospital admission
- Aim - increase the numbers of people receiving case management / care co-ordination from the top 2% to 15% of the over 65 year old population, to help reduce the number of avoidable admissions to hospital
- Starting to be implemented by the new neighbourhood teams

## Other initiatives to reduce unnecessary over and under 65 Year old Admissions



- HHT - ED is supported by the front of house therapy team which now comprises of community matrons and therapists + earlier discharge leading to increase in 0-1 day LOS
- CUH – Medical Decision Unit & GP Liaison service to support GP decision making
- Work with EEAST to establish new community pathways thus avoiding hospital admission
- Q2 - Carers' Trust estimate that their Family Carers Prescription which supports carers has prevented 92 non elective hospital admissions for Cambridgeshire

## Other Q2 initiatives to reduce unnecessary admissions – all ages



- CUH Urgent Primary Care Centre (UPCC) - GPs triage minors at the front door + provides GP in ED - shows an increase of about 30% more patients seen by the GP in ED than when the services is not available.
- CUH Nurse deflector role in ED
- HHT – GP in A&E

## Conclusion



- Non elective activity is exceeding BCF plan in all hospitals – all ages
- BCF plan supports OPACS funding
- Admission avoidance work underway across the system through, OPACS, SRGs, Urgent Care Vanguard, voluntary sector
- Currently - OPACS expanding services & ongoing work to understand admission numbers



**A PERSON'S STORY**

To: Health and Wellbeing Board

Date: 14 January 2016

From: Lisa Smith, Everyone Health

**1.0 PURPOSE**

- 1.1 To outline the person's story being presented to the Health and Wellbeing Board.

**2.0 BACKGROUND**

- 2.1 The Cambridgeshire Health and Wellbeing Board have requested that a person's story be presented at the start of each meeting. The stories being presented at this meeting will set out individuals' attempts to attain a healthier weight and more recent experience of using the newly commissioned weight management services in Cambridgeshire.
- 2.2 The story is an illustration of how people experience health and social care services. A discussion regarding the specifics of these people's experiences is not envisaged; the generalised learning and insight that can be taken from the experience being more pertinent.

**3.0 SUPPORTING PARAGRAPHS**

- 3.1 The story being told offers the Health and Wellbeing Board an opportunity to consider the experiences of individuals using weight management services in Cambridgeshire. It will provide information about some of the challenges experienced in trying to achieve a healthier weight and what has been most helpful. It will identify the prevention opportunities that could have been exploited earlier in the individuals' histories.

**4.0 ALIGNMENT WITH THE CAMBRIDGESHIRE HEALTH AND WELLBEING STRATEGY**

- 4.1 This story relates to Priority 3 of the Health and Wellbeing Board; to encourage healthy lifestyles and behaviours in all actions and activities while respecting people's personal choices.

**5.0 IMPLICATIONS**

- 5.1 There are no direct implications arising from this report.

## 6.0 RECOMMENDATION

6.1 The person's story is being told as context for the remainder of the meeting.

Source Documents	Location
Health and Wellbeing Strategy	<a href="http://www.cambridgeshire.gov.uk/info/20004/health_and_keeping_well/548/cambridgeshire_health_and_wellbeing_board">http://www.cambridgeshire.gov.uk/info/20004/health_and_keeping_well/548/cambridgeshire_health_and_wellbeing_board</a>



## **HEALTH AND WELLBEING STRATEGY – PRIORITY 3 UPDATE**

To: Health and Wellbeing Board

Date: 14 January 2015

From: Val Thomas, Public Health, Cambridgeshire County Council  
Richard Cassidy, Fenland District Council  
Iain Green, South Cambridgeshire District Council  
Liz Knox, East Cambridgeshire District Council  
Yvonne O'Donnell, Cambridge City Council  
Jane Wisely, Huntingdonshire District Council  
Elaine Matthews, ETE, Cambridgeshire County Council  
Phil Clark, ETE, Cambridgeshire County Council  
Kate Day, ETE, Cambridgeshire County Council  
Lisa Faulkner, CFA, Cambridgeshire County Council  
Jo Keegan, CFA, Cambridgeshire County Council  
Angelique Mavrodaris, Public Health, Cambridgeshire County Council  
Kirsteen Watson, Public Health, Cambridgeshire County Council  
Julie Farrow, CVS  
Ruth McCallum, Care Network

### **1.0 PURPOSE**

The purpose of this report is to update members on progress with the Health & Wellbeing (HWB) Strategy Priority 3:

“Encourage healthy lifestyles and behaviours in all actions and activities while respecting people’s personal choices”

### **2.0 BACKGROUND**

Background information is provided in the associated HWB themed meeting template, which is attached as **Appendix A** to this paper.

### **3.0 SUPPORTING PARAGRAPHS**

#### **3.1 Aims set out in Priority 3**

**The key areas of focus set out in Priority 3 are as follows**

- Encourage individuals and communities to get involved and take more responsibility for their health and wellbeing
- Increase participation in sport and physical activity, and encourage a healthy diet, to reduce the rate of development of long-term conditions, increase the proportion of older people who are active and retain their independence, and increase the proportion of adults and children with a healthy weight.
- Reduce the numbers of people who smoke

- Promote individual and community mental health and wellbeing, prevent mental illness and reduce stigma and discrimination against those with mental health problems. (this is being addressed through priority 4)
- Work with local partners to prevent hazardous and harmful alcohol consumption and drug misuse.
- Promote sexual health, reduce teenage pregnancy rates and improve outcomes for teenage parents and their children.

## 3.2 Introduction

Our lifestyles influence the way our health develops over our lifetime. Local research in East Anglia has shown that people with four key 'healthy' behaviours – not smoking, taking regular exercise, eating 5 fruit and vegetables a day and drinking alcohol within recommended limits, stay healthy for longer and live on average 14 years more than people with none of these behaviours.

Detailed evidence on the impact of preventive lifestyle interventions on reducing development of serious illnesses such as diabetes, heart disease, stroke and cancer, and the cost effectiveness of these interventions in delivering savings for the NHS, is provided in Agenda Item 6 'Health System Transformation Prevention Strategy'.

**Appendix B** provides a summary of the most recent information on lifestyle behaviours in Cambridgeshire and its districts, and on some of the trends in recent years.

People's health behaviours are extremely complex and eliciting change, calls for multi-component interventions within and often across a wide range of organisations and partnerships. This paper provides an overview of the following activities.

- Strategic aims and objectives along with delivery highlights that illustrate where local organisations are working collaboratively in partnership to meet the Priority 3 objectives.
- Specific policy and commissioning activities undertaken by individual organisations that support the delivery of Priority 3.
- Embedding healthy lifestyles and associated interventions into emerging 'Prevention Strategies, their supporting action plans and commissioning.

Critical to Priority 3 is the wide range of partnerships that play a role in addressing healthy lifestyles and behaviours.

- Local District Council Health and Wellbeing Partnerships
- Cambridgeshire and Peterborough Public Health Reference Group
- Cambridgeshire and Peterborough Health System Transformation Group (Prevention Strategy)
- Children and Young People Area Partnerships
- Children and Young People's Joint Commissioning Unit
- Older People Partnerships
- Voluntary Sector Activities
- Drug and Alcohol Commissioning Group

## **4. DISTRICT HEALTH AND WELL BEING PARTNERSHIPS**

4.1 Each of the District and City local authorities has their own local Health and Wellbeing Partnership. Although these are long standing partnerships they were refreshed with the launch of the Health and Wellbeing Board. Each has a Health and Wellbeing Plan which reflects the Cambridgeshire Health and Wellbeing Strategy and local needs. The Plans focus on the added value of a partnership approach to deliver their objectives. Currently delivery is based on collaborative working with alignment of strategies and objectives across organisations with longer term objectives of joint commissioning.

### **4.2 Cambridge City Health and Wellbeing Partnership**

The promotion of physical activity is the main lifestyle focus of the Cambridge City Health and Wellbeing Partnership Plan, including targeted interventions to promote physical activity amongst older people, women and girls, adults and children with disabilities, mental health and homeless service users. Examples of specific projects are falls prevention classes, “For the Girls” leisure centre programme, and a sports club for children with disabilities. There has been an increase in both provision and activity in the various schemes that has included the establishment of working links between partners and the following planned developments.

- Further develop the exercise referral programme and increase the number of referrals with better engagement of health professionals. This is being achieved through increasing the range of exercise opportunities included in the scheme by working more effectively with their commissioned leisure service providers, regular communications and new partners such as the University. Activity and completion rates have both improved.
- Expanding and developing a targeted swimming programme for BME communities, women, families and children and older people through promotion, free swimming facilities and new facilities. However uptake of many of the projects included in this Programme has been sporadic.

### **4.3 East Cambridgeshire Health and Wellbeing Partnership**

The East Cambridgeshire Health and Wellbeing Partnership has in recent years focused on inequalities in health. It initiated and completed a number of projects in Littleport. Projects included social marketing research which led to a number of projects that focused upon young mums (Buggy Walks), Health Walks and increasing gym membership and other community physical activity initiatives. A new action plan is being developed that will focus upon the following priorities

- In support of increasing physical activity levels the “Local Plan” addresses the need to create an environment that supports and encourages people to be physically active. Improving facilities at the Ely Country Park and exploring options for a further country park in the North Ely development area are being considered.
- The District Council is actively working with the three community leisure trusts to implement an agreed District wide Sports Facility Strategy and Action Plan. A new district leisure centre has also been agreed.
- There is a focus on promoting the health and lifestyle of older people which includes actively working with housing providers and the establishment of an East Cambridgeshire Dementia Alliance.

#### 4.4 Fenland Health and Wellbeing Partnership

The Fenland Health and Wellbeing Partnership has focused consistently upon a number of priority areas and supported a range of interventions to improve lifestyles in the District. Recently Fenland District Council has released its first Health and Wellbeing Strategy which reflects these priorities.

<http://www.fenland.gov.uk/CHttpHandler.ashx?id=12208&p=0>). It also pulls together all the strategic objectives and programmes that impact on the health and wellbeing including lifestyles. The themes of health inequalities and enabling older people to be healthy and to live independently are embedded into the following priorities

- Working across organisations more effectively to deliver the health and wellbeing agenda which would include data sharing and in the longer term joint commissioning.
- Addressing Coronary Heart Disease (CHD) and associated unhealthy lifestyles. Fenland has overall a higher prevalence of unhealthy lifestyles and in some areas rates of CHD are significantly higher than other areas. The partnership is providing added value through supporting ongoing work in areas such as Stop Smoking Services, NHS Health Checks, and Workplace Health Programme. It has developed along with the Community Safety Partnership an alcohol programme in Wisbech which has specific objectives around supporting lifestyle change. The Fenland Leisure Services has a commitment to increasing physical activity opportunities in the community and engaging more people in becoming active. National funding has been secured for the Active Fenland Project which is supported by Sport England. The focus is on providing opportunities for targeted groups to take part in specific sporting activities.

#### 4.5 Huntingdonshire Health and Wellbeing Partnership

The Huntingdonshire Health and Wellbeing Partnership has wide ranging representation from many partners and has strong links with the local Children and Young People's Partnership and Community Safety Partnership. It has recently refreshed its strategic objectives and is in the process of developing a new action plan. The Partnership has supported ongoing work around lifestyles focusing on physical activity programmes and other work targeting obesity and can evidence increased engagement in projects. The strategic targets are as follows.

- Reducing Excess Weight (including Obesity) in Children and Adults
- Improving Mental Health in Children and Adults
- Supporting Older People to live independently, safely and well.

#### 4.6 South Cambridgeshire Local Health Partnership

South Cambridgeshire Local Health Partnership aims to prevent ill health in all age groups and tackle the wider determinants of health by delivering outcomes for the health and wellbeing of South Cambridgeshire residents. The partnership brings together organisations such as the NHS, local authorities and voluntary sector with GPs. Each of the priorities will be underpinned by the partnership continuing to find **better ways of working together**, but specifically includes: Building relationships between all the partners, but in particular working with the voluntary sector and GP practices; closer working between GP practices and Children and Young People Locality Teams/schools.

The priorities for the LHP are:

- Ageing well, which includes elements of prevention and support to help people remain independent and live longer in their own homes. (Areas of focus include: tackling loneliness, depression and social isolation; supporting rural transport provision; warmer homes; supporting carers; hospital admissions and early discharge)
- Mental health, which includes a focus on the mental health of all residents, as well as joining up services before people reach “crisis point”.
- New housing growth, which includes learning from previous developments and ensuring access to green space. (Areas of focus include: Influence new developments, particularly in relation to preventing mental ill health; supporting independent living and providing key worker housing; Support the creation of social infrastructure through the planning process)
- Access to services by young people and families. (Areas of focus include: Supporting the work of the Together for Families project)
- Health outcomes for Gypsies and Travellers.

## **5. PUBLIC HEALTH REFERENCE GROUP (PHRG)**

The PHRG was established to oversee and develop public health initiatives across the County. It is co-chaired by the Chief Executive of Fenland District Council and the Director of Public Health. Following a review of the evidence to consider impact and cost effectiveness two high level priorities were agreed for joint action to be taken forward in the first six to nine months.

- Actions to promote physical activity and healthy diet at a population level – which will help to reduce the health burden of obesity, amongst other benefits.
- Community engagement on health issues, using an asset based approach.

A Task and Finish Group was established which further reviewed the evidence for these priority areas and developed an action plan which includes consideration of evaluation, for the delivery of some key actions. The key projects are work with early years providers to improve diet for children under five, community led physical activity programmes, workplace health programmes, a collaborative cross district physical activity programme. Evaluation is considered to be an integral element. This action plan is currently underway and planning has started for the next phase which is the production of a medium term Obesity Strategy focusing upon the two high level priorities. Funding for the work of the PHRG is mainly from non-recurring public health reserves. Establishing sustainable interventions with a focus on community engagement, together with sound evaluation, are central to this work.

## **6. CAMBRIDGESHIRE AND PETERBOROUGH HEALTH SYSTEM TRANSFORMATION – PREVENTION STRATEGY**

The System Transformation work being led by C&PCCG currently includes the development of a Prevention Strategy. The key aim is to identify short to medium term savings for the NHS associated with well evidenced prevention interventions. A Prevention Strategy and an implementation plan have been produced. Lifestyle interventions were identified through modelling as making a contribution to savings, in both the short and medium term. Further detail is given in agenda item 4.3.

## **7. CHILDREN AND YOUNG PEOPLE**

The health and wellbeing of Children and Young People is primarily addressed through Priority 1. The following is a summary of key lifestyle activity targeting children and young people.

### **7.1 Children and Young People's Area Partnerships**

The three Children and Young People's Area Partnerships have in the past focused upon lifestyle issues, and currently these issues are followed up through the Area Partnerships working closely with the local Health and Wellbeing Partnerships. The main health issue being addressed by the Area Partnerships is currently mental health - building self-esteem and building resilience which are linked to the adoption and maintenance of a healthy lifestyle in young people.

### **7.2 Cambridgeshire and Peterborough Children and Young People's Joint Commissioning Unit**

Strategic oversight of the 0-19 commissioned services is the responsibility of the Cambridgeshire Children's Health Joint Commissioning Board (CHJCB) which aims to ensure a link with other 0-5 services and GP services to improve outcomes for children and families, particularly the most vulnerable. These aligned commissioning arrangements were set up to reduce the risk of fragmenting the commissioning of services for children and young people. There are specific lifestyle objectives that reflect the objectives in 0-19 Healthy Child Programme and through the commissioning process can be embedded into midwifery, health visiting and school nursing. Advice and support on lifestyles to children and families focuses upon various aspects of lifestyles management and healthy behaviours including offering information, signposting, support and appropriate guidance on: breastfeeding, diet, physical activity, (obesity prevention and management), mental health, smoking advice and cessation, drug and alcohol misuse, sexual health and contraceptive advice.

Cambridgeshire County Council's Children's Services provide a range of interventions through their under 5s services in nurseries, children's centres and young people's services providing advice and also supporting families to develop the skills to support a healthy lifestyle. There is specific targeted lifestyle work with children and young people most at risk for example Looked After Children. This work is overseen by Cambridgeshire County Council Children's Committee.

## **8. OLDER PEOPLE**

The health and wellbeing of Older People is primarily addressed through Priority 2. The current attention across the system on prevention for older people has a focus upon facilitating healthy lifestyles that will help people to stay active and independent as they age.

### **8.1 Cambridgeshire Executive Partnership Board (CEPB)**

The CEPB has wide range of partners and oversees work on the health and wellbeing of older people across the county. The linked Healthy Ageing and Prevention Strategy is currently in development and it will build on the joint Older People's Strategy:

- To enable the development of a co-ordinated preventative approach and facilitate the integration and join-up of partners in prevention across organisations.
- To develop preventative community-based services and capacity to support and enable older people to enjoy long and healthy lives, to feel safe within their homes and as part of their communities.
- To improve strategic commissioning, planning and delivery of preventative interventions.
- To complement and facilitate delivery of the Information and Communication agenda, to ensure the implementation of preventative health promotion messaging and the provision of early high quality advice to support healthy ageing.

## **9. DRUG AND ALCOHOL COMMISSIONING GROUP**

Services to address drug and alcohol misuse were recently described in the Priority 4 update to the Health and Wellbeing Board. In summary in Cambridgeshire alcohol and illegal drug misuse is addressed through a network of partnerships that work to three strategic priorities (2015-18) that were agreed by the overarching Cambridgeshire Drug and Alcohol Team (DAAT) Executive Board. The first priority is the “Prevention and protection from harm”

Interventions to promote healthy alcohol consumption and avoidance of harmful drinking of alcohol include a programme of population wide and targeted campaigns that provide information about the harms associated with alcohol. There is a concerted effort to increase knowledge and understanding about the growing misuse and harmful impact of Novel Psychoactive Substances (NPS) through a local strategy and action plan. Identification and Brief Advice (IBA) training is provided to a wide range of organisations and businesses focusing upon those that work with high risk individuals and communities.

Historically drugs and alcohol work has been funded through pooled budgets and shared resourcing from members of the partnership. Currently the majority of the funding for specific drug and alcohol services comes from the Public Health Grant held by the Local Authority with small contributions from Cambridgeshire County Council Adult Social Care, Office of the Police and Crime Commissioner (PCC), and Cambridge City Council.

## **10 VOLUNTARY SECTOR HEALTHY LIFESTYLE PROGRAMMES**

Cambridgeshire’s active voluntary sector is increasingly involved in promoting or providing healthy lifestyle interventions across the life course. The current focus on the need to maintain the health and wellbeing of older people has stimulated a rapidly growing development of programmes for this target group. Examples include the work of Care Network through its community development work that promotes the independence of older people, supporting them to take responsibility for their own health through lifestyle change . Age UK has similar objectives and offers initiatives such as cooking programmes for older people.

## **11. ENGAGING INDIVIDUALS AND COMMUNITIES TO TAKE RESPONSIBILITY FOR THEIR HEALTH**

- 11.1 There is some evidence that community resilience and engagement can have a positive effect on health. It supports individuals and communities to take responsibility for their health and engage in health improvement activities. It is reflected in the strategies and action plans across a wide range of statutory and voluntary organisations in Cambridgeshire and the following provides examples of projects have been initiated.
- Cambridgeshire County Council Health Committee has allocated £500,000 non-recurrent Public Health funding for a Healthy Fenland Fund. This will be accessed over the next five years by Fenland communities to implement initiatives that will support healthy lifestyles and improve health and wellbeing. Following a procurement exercise, the voluntary organisation Care Network has been contracted to oversee the fund and to also employ community engagement workers to help strengthen communities, and support them in accessing the Healthy Fenland Fund.
  - Cambridgeshire County Council has a number of community engagement projects that have been developing and evolving over several years. For example projects like the Community Navigators and Timebanking involve community members engaging and supporting communities to maximise their health and wellbeing.
  - The Kickash Programme is a young person led (peer) smoking prevention programme. It has been developed by Cambridgeshire County Council Public Health and PSHE. Young people in Year 10 are recruited to work as Kick Ash mentors to promote their 'proud to be smokefree' message. The Kick Ash mentors lead activities in their own schools and their partner primary schools. Young mentors also play a role in combating Illicit tobacco working alongside Cambridgeshire County Council Trading Standards (along with the Police, Her Majesty Revenue and Customs (HMRC)). Young people and disadvantaged communities are often the target of this cheap tobacco. Through another initiative there has been recent success where partnership work has resulted in the removal of a large quantity of illicit tobacco and cigarettes from shops in Wisbech.
- 11.2 Cambridgeshire County Council has recently produced its Community Resilience Strategy. The Strategy is intended to articulate and drive the way the Local Authority works with local communities, proposing a fundamental shift in the way that service provision and local communities interact; essentially repositioning the Council as part of the wider community, with a real focus on building the capacity of local people to help meet local needs together. The Strategy is one of the identified mechanisms (enablers) for the delivery of the Cambridgeshire County Councils "New Operating Model" which includes as one of its seven priority outcomes "People lead a healthy lifestyle". Further detail is provided in agenda item 4.5.

## **12. CAMBRIDGESHIRE COUNTY COUNCIL PUBLIC HEALTH COMMISSIONING**

Cambridgeshire County Council's Health Committee which oversees Public Health is supporting the commissioning of services designed to support healthy lifestyles and behaviour change amongst the whole population and targeted groups.



## **12.1 The Integrated Healthy Lifestyle Service**

This Service was commissioned and launched in June 2015. It brought together a number of existing behaviour change and weight management services to produce an evidence based integrated service that will improve the experience of the patient/client through having one access point and easy referral to and between services. This increases cost effectiveness and has brought services to the north of the county that had hitherto only been provided in the south of the County. It includes the following services.

- Health Trainer Services: These support people for up to a year to make changes to their lifestyle along with referral to other specialist lifestyle services. Additional investment has expanded this service from provision in the 20% most deprived areas, to cover the rest of the county
- Weight Management Services: Tiers 2 and 3 Adult weight management services  
Children's Weight Management Services
- National Child Weight Measurement Programme – Mandatory programme of annual height and weight measurement of reception and year 6 children in maintained schools. There is a pathway from this Programme to the Children's Weight Management Service.
- Outreach NHS Health Checks. This mandatory cardio-vascular risk assessment programme that involves referral to lifestyle services has primarily been provided by GP practices. The Lifestyle Service is commissioned to provide outreach NHS Health Checks targeting hard to reach high risk groups and workplaces.
- Behavioural Change Training: This is an evidenced based approach to enabling people to make lifestyle changes known as "Making Every Contact Count". Training is offered to frontline staff to equip them with skills to raise health and lifestyle issues and motivate individuals to address their behaviours.
- A Specialist Falls Prevention Health Trainer Service targets older people to support them to adopt evidence based physical activity interventions that help protect against falls.

## **12.2 The Integrated Sexual Health Service**

This Service was commissioned in September 2014 and through extensive service redesign is meeting its overall aims.

- Improving the equity of sexual health services across the county and reducing health inequalities between the north and south of the county.
- Increasing the access to integrated services for service users to enable patients to have both their contraceptive and sexual health needs addressed in one location.
- Modernising service delivery in line with models of good practice.

Cambridgeshire Community Services are commissioned to provide the service. It has subcontracted the Terence Higgins Trust to focus on promotion of healthy sexual health behaviours and this work is targeting young people especially in Fenland, which historically has had a higher teenage pregnancy rate. Dhiverse is commissioned to promote sexual health and wellbeing for a range of at risk groups.

## **12.3 Workplace Health Programme**

There is evidence that workplace health programmes are effective and cost effective through supporting the adoption of healthy lifestyles. Historically this Programme has been

run with some external support by Public Health Staff. Additional investment has been allocated and an external voluntary organisation has been commissioned to take this work forward. An example of a successful workplace programme was the adoption by Cambridgeshire County Council of a Smoke Free Policy and its subsequent implementation

#### **12.4 GP Public Health Services**

Stop Smoking Services, NHS Health Checks, Contraception Services and Chlamydia Screening have for several years been commissioned from GPs. These services have in recent years faced considerable challenges as GP practices have received additional demands for their services. Concerted efforts are being made to improve these services which will be supported by the CCG's Prevention Strategy. In addition Public Health has invested in an NHS Health Checks modernisation programme that will improve the patient experience and data collection.

#### **12.5 Promoting Healthy Eating in Schools**

For the past three years the Food for Life Programme has been commissioned to work in schools in areas where there are high rates of childhood obesity to help them develop healthy eating policies, increase knowledge of children and families of healthy eating including the opportunity to learn about growing healthy foods. This Programme has evaluated well nationally.

#### **12.6 Health Promotion Resource Library**

The Health Promotion Resource Library provides a range of resources about healthy lifestyles to professionals and the general public. Historically this had been commissioned by Public Health from Hinchingsbrooke Hospital. This Service was decommissioned in 2014 and is now provided by Cambridgeshire County Council Library service. This means that the Service has become countywide and greatly increases access to professionals and the public and has enabled closer planning and co-ordination of lifestyle campaigns

#### **12.7 Public Health Programmes Team**

The Public Health Team includes the Public Health Programmes Team which provides healthy lifestyles services including Stop Smoking Services, the multi-agency Gypsy and Traveller Health Team, mental health promotion and other health promoting campaigns. CAMQUIT is the core local Stop Smoking Service which help smokers quit and supports and trains other providers of Stop Smoking Services. The Team has been innovative in addressing a fall in the number of smokers accessing the Service which has been seen locally and nationally and attributed to the impact of e- cigarettes. Social Marketing was commissioned to help plan services and campaigns, and mobile services in Fenland, additional outreach in the community and additional workplace services have all been implemented.

### **13. PROMOTING PHYSICAL ACTIVITY AND SUPPORTIVE ENVIRONMENTS**

There is strong evidence that an environment which affords opportunities for people to be physically active that are safe, accessible, affordable and enjoyable make a key contribution to lifestyle change. Local authority Planning, Housing and Transport Strategy services play an important role in shaping the environment. There is also a growing evidence base about the role of the natural environment and a number of initiatives are

being taken forward through the Natural Cambridgeshire Partnership. This work will be covered in more detail at the March meeting of the Health and Wellbeing Board covering Priority 5.

### **13.1 Travel for Work Cambridgeshire Partnership**

The Travel for Work Cambridgeshire Partnership (partners are the District Councils, Chamber of Commerce, Addenbrookes Hospital Trust, Cambridgeshire & Peterborough Clinical Commissioning Group and the University) works with over 160 employers to promote sustainable and active travel and have established some innovative projects

- Through external funding grants are being awarded to support the purchase of bike shelters and pool bikes, and have supported/delivered 20 workplace events and workshops to promote walking and cycling, use of public transport and car sharing.
- Personal travel planning (PtP) guidance has been provided to 5000 residents in target communities. PtP has been proven to achieve model shift through increasing active travel and reducing car use i.e. improving air quality and mental wellbeing. The recently completed Travel survey, for which 11,000 employees responded, showed (in the main part) a notable model shift to more active travel modes for the majority of participating employers. Reports are currently being sent out to participating employers, highlighting what further measures might be delivered to their employees.'

### **13.2 The Cambridgeshire and Peterborough Sports Partnership**

This Partnership is led by the voluntary organisation Living Sport. An example of its work is the Cambridgeshire County Councils 'Stepping Stone' Programme. This has assisted nearly 130 disabled people and those with a long term health need to take part in over 2000 activity sessions in 23 different sports including golf, paddle boarding, boxing, archery, shooting and trampolining. This is underpinned by £50k funding from Sport England.

## **14.0 ALIGNMENT WITH THE CAMBRIDGESHIRE HEALTH AND WELLBEING STRATEGY**

14.1 This is an update on Priority 3 of the HWB strategy.

## **15.0 IMPLICATIONS**

15.1 This is an update paper for members, so there are no new proposals contained within it.

## **16.0 RECOMMENDATION/DECISION REQUIRED**

16.1 Members are asked to note this update.

<b>Source Documents</b>	<b>Location</b>
Please see Appendix for background information and source documents.	



## Appendix A: Health and Wellbeing Board themed meeting template

	<p><b>Meeting theme:</b></p> <p><b><i>Priority 3 Encourage healthy lifestyles and behaviours in all actions and activities while respecting people's personal choices</i></b></p>	
	<p><b>Focus areas:</b></p> <ul style="list-style-type: none"> <li>• Encourage individuals and communities to get involved and take more responsibility for their health and wellbeing</li> <li>• Increase participation in sport and physical activity, and encourage a healthy diet, to reduce the rate of development of long-term conditions, increase the proportion of older people who are active and retain their independence, and increase the proportion of adults and children with a healthy weight.</li> <li>• Reduce the numbers of people who smoke</li> <li>• Promote individual and community mental health and wellbeing, prevent mental illness and reduce stigma and discrimination against those with mental health problems.</li> <li>• Work with local partners to prevent hazardous and harmful alcohol consumption and drug misuse.</li> <li>• Promote sexual health, reduce teenage pregnancy rates and improve outcomes for teenage parents and their children.</li> </ul>	
1.	<p><b>Overarching partnership delivering against this priority and how this links to the Health and Wellbeing Board</b></p>	<p>There are a number of partnerships that oversee different healthy lifestyle initiatives. The overarching partnerships are the Health and Well Being Board and The Public Health Reference Group. The five local Health and Well Being Partnerships are linked to the Health and Well being Board by elected members from each of the District and City Authorities.</p> <p><b>Public Health Reference Group</b></p> <p>The Cambridgeshire Public Health Reference Group (PHRG) provides whole system leadership and multi-agency co-ordination for public health initiatives in Cambridgeshire. It focussed on improving outcomes for residents and reducing health inequalities. It is co-chaired by the Chief Executive of Fenland District Council and the Director of Public Health.</p>

		<p><b>District and City Health and Well Being Partnerships</b></p> <p>The District and City Councils host and sponsor the local Health and Well Being partnerships.</p> <p><b>Remit and Governance</b></p> <p>Each Partnership has its own governance structure and Terms of Reference. The key themes being:</p> <ul style="list-style-type: none"> <li>• To provide a forum for the wider engagement of parties interested in health and well being, including health inequalities so that they may jointly evolve solutions to protect and improve the health and wellbeing of residents</li> <li>• To provide leadership and strategic direction to local strategic partner organisations to enable them to contribute to improving health and well-being</li> <li>• To provide local information, to the Cambridgeshire Health and Wellbeing Board and Districts' Forum, related to health and well-being and advise on the impact of any relevant policy changes, service changes, proposals and/or identified need.</li> <li>• To consider existing issues or those likely to arise, that may require interventions to protect the health of people determinant of health, improve public health or affect change to services impacting on health/care services.</li> </ul> <p><b>Membership of the Partnerships</b></p> <p>They have representation from a range of partners. The representation mix of members will vary between each partnership which reflects local circumstances.</p> <ul style="list-style-type: none"> <li>• <b>District and City Council Elected Members</b></li> <li>• <b>District and City Council officers ( Leisure, Community,</b></li> </ul>
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		<p><b>Environmental Health, Housing, Migrant Workers)</b></p> <ul style="list-style-type: none"> <li>• <b>Cambridgeshire Health and Well-Being Board</b></li> <li>• <b>Cambridgeshire County Council Adult( Children, Families and Adults – Social Care, Adult Learning, Public Health)</b></li> <li>• <b>Cambridgeshire and Peterborough Clinical Commissioning Group and Local GP Commissioning Groups</b></li> <li>• <b>GP Patient Representation Groups</b></li> <li>• <b>Hinchingsbrooke Health Care NHS Trust</b></li> <li>• <b>Cambridge University Hospitals Foundation Trust</b></li> <li>• <b>Older People Services</b></li> <li>• <b>HealthWatch Cambridgeshire</b></li> <li>• <b>Community Voluntary Service</b></li> <li>• <b>Age UK</b></li> <li>• <b>Housing Associations</b></li> </ul> <p><b>Alcohol and Drugs Partnership</b></p> <p>The Drug and Alcohol Action Team (DAAT) is the multi-agency strategic partnership working to implement National and local Drug and Alcohol priorities. The functions of the DAAT sit within the 'Cambridgeshire Safer Communities Partnership Team' which is hosted within Cambridgeshire County Council.</p> <p>The DAAT Partnership Board leads on strategic development and oversight of prevention and treatment interventions and related commissioning.</p>
<b>2.</b>	<b>Recent Relevant Joint Strategic Needs Assessments (JSNAs)</b>	<p>Children and Young People 2010  <a href="http://www.cambridgeshireinsight.org.uk/currentreports/children-and-young-people">http://www.cambridgeshireinsight.org.uk/currentreports/children-and-young-people</a></p> <p>Prevention of Ill health in Adults of Working Age JSNA 2011  <a href="http://www.cambridgeshireinsight.org.uk/currentreports/jsna-prevention-ill-health-adults-working-age-2">http://www.cambridgeshireinsight.org.uk/currentreports/jsna-prevention-ill-health-adults-working-age-2</a></p>

		<p>Physical and Learning Disability throughout the Life Course  <a href="http://www.cambridgeshireinsight.org.uk/joint-strategic-needs-assessment/current-jsna-reports/physical-and-learning-disability-through-life">http://www.cambridgeshireinsight.org.uk/joint-strategic-needs-assessment/current-jsna-reports/physical-and-learning-disability-through-life</a></p> <p>Prevention of Ill Health in Older People 2013  <a href="http://www.cambridgeshireinsight.org.uk/joint-strategic-needs-assessment/current-jsna-reports/prevention-ill-health-older-people-2013">http://www.cambridgeshireinsight.org.uk/joint-strategic-needs-assessment/current-jsna-reports/prevention-ill-health-older-people-2013</a></p> <p>Transport and Health 2014/15  <a href="http://www.cambridgeshireinsight.org.uk/JSNA/Transport-and-Health-2014/15">http://www.cambridgeshireinsight.org.uk/JSNA/Transport-and-Health-2014/15</a></p> <p>Primary Prevention of Ill Health in Older People 2014  <a href="http://www.cambridgeshireinsight.org.uk/primary-prevention-ill-health-older-people2014">http://www.cambridgeshireinsight.org.uk/primary-prevention-ill-health-older-people2014</a></p> <p>Long Term Conditions Across the Life Course  <a href="http://www.cambridgeshireinsight.org.uk/JSNA/LTCs-across-the-lifecourse-2015">http://www.cambridgeshireinsight.org.uk/JSNA/LTCs-across-the-lifecourse-2015</a></p>
3	a) <b>Integrated partnership strategy or strategies in the health and care system delivering on this priority</b>	<p>The Health System Transformation 'Prevention' Strategy includes a focus on multi-agency lifestyle and behaviour change interventions which make savings for the NHS, It has potential to be broadened to cover a wider range of health and wellbeing outcomes relevant to all HWB Board partner agencies.</p> <p>A joint medium term obesity prevention strategy is under development by the Public Health Reference Group.</p> <p>Partnership Strategies overseen by the Children and Young People's Joint Commissioning Unit ( includes Cambridgeshire and Peterborough Clinical</p>



		Commissioning Group, Cambridgeshire County Council and Peterborough City Council) and for older people, the People's Cambridgeshire Executive Partnership Board (CEPB) are also key to delivering priority 3 and these partnership arrangements are addressed through the reporting of Priority 1 and 2.
4.	<b>Joint commissioning and Section 75 arrangements</b>	<p>Sexual Health: A Section 75 has been established between NHS England and Cambridgeshire County Council to enable the new Integrated Sexual health Service to continue to provide HIV services, which includes lifestyle advice (HIV is a Long Term Condition) to the more vulnerable groups living with HIV.</p> <p>Children and Older People's Services include Section 75 agreement which will be picked up in Priority 1 and 2 updates</p>
5.	<b>Alignment of NHS Cambridgeshire and Peterborough Clinical Commissioning Group's (CCG) commissioning plans with this priority</b>	<p><b>CCG Prevention Strategy</b></p> <p>The Health System Prevention Strategy and its priorities provides a new opportunity for the CCG to build preventive initiatives into commissioning plans. The CCG is planning further work on obesity services, in particular tier 4 obesity services for which responsibility is due to transfer from NHS England to CCGs. The CCG Mental Health Commissioning Strategy has a lifestyle focus amongst its objectives.</p> <p>The CCG has recently introduced a 'Stop before your Op' policy to promote smoking cessation before elective surgery.</p>



## Appendix B: Lifestyle and Health Behaviours in Cambridgeshire

Trend in lifestyles - December 2015

	Significantly worse than England
	Not significantly different to England
	Significantly better than England

Lifestyle indicator	Ref	Year	Cambridge shire	Districts					England	Deprivation	
				Cambridge City	East Cambridge shire	Fenland	Huntingdon shire	South Cambridge shire		20% most deprived	80% rest of county
Childhood obesity - Reception	1	2012/13	7.5%	7.4%	8.3%	9.4%	7.1%	6.4%	9.3%	10.8%	6.5%
	1	2013/14	8.1%	8.0%	8.9%	9.0%	8.8%	6.2%	9.5%	10.6%	7.3%
	2	2014/15	7.3%	6.1%	7.0%	9.6%	7.9%	6.2%	9.1%	9.6%	6.6%
Childhood obesity - Year 6	1	2012/13	15.8%	16.6%	15.6%	18.9%	17.1%	12.0%	18.9%	19.4%	14.8%
	1	2013/14	16.2%	16.1%	17.1%	20.2%	15.3%	14.3%	19.1%	19.9%	15.2%
	2	2014/15	15.0%	14.2%	14.6%	18.8%	15.4%	12.9%	19.1%	18.8%	13.7%
Excess weight in adults	1	2012/14	63.6%	48.3%	68.0%	73.1%	67.3%	63.6%	64.6%	-	-
Adult obesity	1	2012/14	22.4%	14.7%	23.7%	31.5%	24.9%	19.4%	24.0%	-	-
Healthy eating ('5-a-day')	1	2014	58.6%	61.4%	59.4%	47.7%	57.7%	64.0%	53.5%	-	-
Physically active adults	1	2012	60.3%	64.7%	56.5%	50.5%	62.2%	62.7%	56.0%	-	-
		2013	60.2%	66.9%	57.6%	51.1%	60.1%	61.7%	56.0%	-	-
		2014	64.5%	76.8%	58.0%	52.1%	62.8%	67.3%	57.0%	-	-
Physically inactive adults	1	2012	22.8%	17.0%	29.2%	30.6%	21.6%	20.3%	28.5%	-	-
		2013	24.6%	17.9%	26.9%	33.0%	24.4%	23.9%	28.3%	-	-
		2014	19.9%	12.6%	24.1%	32.2%	17.4%	18.8%	27.7%	-	-
Smoking prevalence	1	2012	17.9%	11.5%	17.3%	29.5%	18.2%	15.9%	19.5%	-	-
		2013	13.5%	9.5%	18.1%	21.9%	11.6%	11.4%	18.4%	-	-
		2014	15.5%	17.6%	14.9%	21.2%	14.4%	11.7%	18.0%	-	-
Alcohol-related hospital admissions* (age-standardised rate per 100,000)	1	2012/13	595	664	591	599	590	572	653	-	-
		2013/14	589	684	515	641	620	518	637	-	-
		2014/15	620	725	577	677	604	568	645	-	-

\* Alcohol-related hospital admission episodes (narrow definition)

### Source

1. Public Health Outcomes Framework, Fingertips, PHE
2. National Child Measurement Programme, HSCIC



**PREVENTION STRATEGY FOR THE HEALTH SYSTEM TRANSFORMATION PROGRAMME**

To: Health and Wellbeing Board

Date: 14th January 2016

From: Emma de Zoete, Consultant in Public Health  
Dr Liz Robin, Director of Public Health

**1.0 PURPOSE**

- 1.1 To present the Cambridgeshire Health and Wellbeing Board with the final draft of the Cambridgeshire and Peterborough health system prevention strategy, attached at Annex A.

**2.0 BACKGROUND**

- 2.1 A first draft of the Cambridgeshire and Peterborough health system prevention strategy was presented to the Cambridgeshire Health and Wellbeing Board on 19 November 2015. Papers for this item, including a more detailed explanation of the background to this work, are available here: <http://www2.cambridgeshire.gov.uk/CommitteeMinutes/Committees/AgendaItem.aspx?agendaItemID=12356>
- 2.2 The objectives of the health system prevention strategy were to:
- Identify the savings to the NHS, where possible, from current and planned prevention initiatives.
  - Identify areas/interventions for potential additional NHS investment in prevention which would maximise savings to the local NHS over the next 3, 5, 10 years and beyond.
  - Identify areas and initiatives for potential stretch and outline the strategy for delivering these including projected savings to the NHS, where possible.
- 2.3 The work relates to the ongoing transformation of preventive services by local authorities and NHS Cambridgeshire and Peterborough Clinical Commissioning Group (the CCG), including lifestyles services in both Cambridgeshire and Peterborough and new workplace health programmes. Implementation is dependent on voluntary sector and district council engagement, along with the NHS.

### **3.0 SCOPE AND LIMITATIONS**

- 3.1 There are many prevention initiatives where we have a strong evidence base where we simply do not have the information to enable us to estimate savings to the NHS, but we think there are likely to be some. This strategy does not try to quantify savings, other than to the NHS.
- 3.2 It is also unlikely to be entirely comprehensive, in that there are other interventions we have not had time to address in this strategy. In particular, savings from better management for those diagnosed with diabetes, patients with transient ischaemic attack (TIA) treated within 24 hours, are gaps.
- 3.3 There are also prevention initiatives which are not within the scope of this work, as they are being taken forward through other programmes of work. In particular, integrating care for older people and resulting reductions in emergency admissions are not included here, as this is being taken forward through the Better Care Fund workstreams and the Older People's and Community Services (OPACs) contracts. . There are other areas within this strategy however that highlight and attempt to quantify potential opportunities which cross-over with these workstreams. The section on falls management and malnutrition screening and treatment are areas where Better Care Fund and OPACs contracts activity would play an important role in any delivery.
- 3.4 Additionally, there is an overlap between this strategy and the work streams of the System Transformation Programme, the Emergency Care Vanguard, other CCG workstreams and the work of the public health teams in both Peterborough and Cambridgeshire. The strategy set out in this document will therefore need to be taken forward through a range of work programmes and organisations.

### **4.0 HEADLINE FINDINGS**

- 4.1 Proposed actions:
- Maximise the opportunities for lifestyle interventions identified through health checks across Cambridgeshire and Peterborough.
  - Expand Peterborough weight management services to reach National Institute for Health and Care Excellence (NICE) recommended levels.
  - Extend the health check to those aged 25-39 in the Peterborough South Asian population. Focus on the most deprived areas first.
  - Increase the lifestyle interventions for those with diagnosed hypertension, and at high risk of diabetes.
  - Expand workplace health initiatives within NHS employers to reduce absenteeism.
  - Expand malnutrition screening and treatment in older people.

- Increase the number of people accessing stop smoking services (adults, older people and pregnant women).
- Increase the number of women with long-acting reversible contraceptives (LARCs).
- Improve referral and uptake of IAPT (Improving Access to Psychological Therapies) services for people with long term conditions.
- Expand falls prevention work in the older population.
- Increase the % uptake of people eligible accessing and completing cardiac rehabilitation.
- Improve diagnosis and treatment for Atrial Fibrillation.
- Increase the numbers of people with COPD (chronic obstructive pulmonary disease) on a self-management programme and accessing pulmonary rehabilitation.

## 5.0 OVERALL NET SAVINGS TO THE NHS FROM WORK TO DATE

- 5.1 The overall estimated net savings to the NHS from the work to date suggest that the following savings can be made. These savings are based, in many cases, on increased investment.

**Short Term Total Potential Net Savings Summary Table (savings after costs have been removed)**

	16/17	17/18	18/19
NHS activity saving	£1.10m	£1.61m	£2.21m
NHS productivity saving	£0.16m	£1.8m	£1.8m
<b>Total</b>	<b>£1.26m</b>	<b>£3.5m</b>	<b>£4.09m</b>

- 5.2 The additional investment needed to generate these savings would be approximately £4.7m over the next three years. There is a large NHS productivity saving estimated from introducing workplace health programmes.
- 5.3 The figures above are all potential net savings to the NHS, having taken out the cost of the investment. In some cases the investment costs may not all fall to the NHS, and therefore the NHS will see a larger saving. Equally, funding through the NHS for preventive initiatives such as improved diagnosis and management of Atrial Fibrillation will generate savings for local authorities, in this case due to a reduction in the number of people having a stroke.

## 6.0 NEXT STEPS

- 6.1 We are proposing that the areas of falls prevention, workplace health (NHS organisations) and cardiovascular initiatives such as improved diagnosis and treatment of Atrial Fibrillation, are best suited to be included in the NHS QIPP (Quality, Innovation, Productivity and Prevention) plan, as these are mainly NHS funded, with elements of partnership delivery.

- 6.2 The Comprehensive Spending Review autumn statement announced significant cash reductions to local authority public health grants. For Cambridgeshire County Council the likely 'cash' reduction in the grant for 2016/17 is approximately £2.2m and for Peterborough £0.86m. Some of the savings needed to achieve this have in practice already been made due to managing a 'non-recurrent' reduction in the 2015/16 Public Health grant of £1.6m (Cambs ) and £0.67M (Pboro). Further savings proposals are being developed in both Councils and may impact on services relevant to the health system prevention strategy. New investment is very unlikely from either Council, although there will be some service transformation.
- 6.3 Potential mitigations are:
- Peterborough City Council is planning to joint commission a new integrated lifestyle and weight management service in partnership with the CCG bringing together existing resource srce streams– key performance indicators could include prevention strategy priorities.
  - Cambridgeshire County Council is still planning to increase long-acting reversible contraceptives (LARCs) provision as per the prevention strategy.
- 6.4 The main next steps are to identify and finalise the lead organisations and resourcing for initiatives in the prevention plan. There are a number of key points for the next three months in this process, including finalising local authority budgets and key CCG meetings with national NHS bodies.

## 7.0 RECOMMENDATIONS

- 7.1 Cambridgeshire Health and Wellbeing Board is asked to endorse the Cambridgeshire and Peterborough health system prevention strategy attached at Annex A.

Source Documents	Location
First draft of health system prevention strategy presented to the Cambridgeshire Health and Wellbeing Board, 19 November 2015.	<a href="http://www2.cambridgeshire.gov.uk/CommitteeMinutes/Committees/AgendaItem.aspx?agendaItemID=12356">http://www2.cambridgeshire.gov.uk/CommitteeMinutes/Committees/AgendaItem.aspx?agendaItemID=12356</a>





# Health system prevention strategy for Cambridgeshire and Peterborough

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Draft version 2.0 – 18 December 2015

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# Glossary of terms

Anti-coagulants	Medicines that help prevent blood clots.
Atrial Fibrillation (AF)	Heart condition that causes an irregular and often abnormally fast heart rate.
BA	Brief advice
Body Mass Index (BMI)	BMI is a simple index of weight-for-height that is commonly used to classify underweight, overweight and obesity in adults. It is defined as the weight in kilograms divided by the square of the height in metres (kg/m <sup>2</sup> ).
BPSLB	Blood Pressure System Leadership Board
Cardiac rehabilitation (CR)	Cardiac rehabilitation is a programme of exercise and information sessions to help people recover after a heart attack, heart surgery or procedure.
Cardiovascular disease (CVD)	Cardiovascular disease (CVD) is an umbrella term for all disease of the circulatory system including coronary heart disease (CHD), heart failure, stroke and peripheral arterial disease.
CCG	Clinical Commissioning Group
Cerebrovascular disease	Cerebrovascular diseases are conditions caused by problems that affect the blood supply to the brain.
CHD	Coronary heart disease
COPD	Chronic obstructive pulmonary disease (COPD) is the name for a collection of lung diseases including chronic bronchitis, emphysema and chronic obstructive airways disease.  People with COPD have difficulties breathing, primarily due to the narrowing of their airways, this is called airflow obstruction.
Disability-adjusted life year (DALY)	The disability-adjusted life year (DALY) is a measure of overall disease burden, expressed as the number of years lost due to ill-health, disability or early death.
DSN	Diabetes specialist nurse
FINDRISC	Finnish Diabetes Risk Score
HbA1c	Glycated haemoglobin (HbA1c) is specialised blood test used to determine if someone has diabetes.
Health check	The NHS Health Check programme aims to help prevent heart disease, stroke, diabetes, kidney disease and certain types of dementia. People between the ages of 40 and 74, who have not already been diagnosed with one of these conditions or have certain risk factors, is invited (once every five years) to have a check to assess their risk of heart disease, stroke, kidney disease and diabetes and is given support and advice to help them reduce or manage that risk.
Hyperlipidaemia	High blood fats
Hypertension	High blood pressure.
IAPT	Improving Access to Psychological Therapies
IBA	Information and brief advice
ICERs	Incremental cost effectiveness ratio - the ratio of the change in costs of a therapeutic intervention (compared to the alternative, such as doing nothing or using the best available alternative treatment) to the change in effects of the intervention.
Ischaemic heart disease	Ischaemic heart disease is a disease of the blood vessels supplying the

	heart muscles with oxygen that's severe enough to cause temporary strain on the heart or even permanent damage to the muscle. When the heart muscle becomes ischemic, a person may experience angina or a heart attack.
Joint Strategic Needs Assessment (JSNA)	The means by which CCGs and local authorities describe the future health, care and wellbeing needs of local populations and identify the strategic direction of service delivery to meet those needs.
LARCs	Long acting reversible contraceptives, such as contraceptive implant or injection.
LCG	Local Commissioning Group
Let's Get Moving initiative	A physical activity care pathway. Supporting financial balance and transforming the provision of care, the Let's Get Moving programme provides a vehicle for commissioners to move towards lower-cost, more efficient and effective services.
Lipids	Lipids are a group of naturally occurring molecules that include fats, waxes, sterols, fat-soluble vitamins (such as vitamins A, D, E, and K), monoglycerides, diglycerides, triglycerides, phospholipids, and others.
LTCs	Long term conditions, for example, heart disease, asthma or diabetes (amongst others).
Making Every Contact Count (MECC)	Making every contact count towards encouraging healthier lifestyle choices has become known by the term MECC. It aims to help all organisations responsible for the health, wellbeing, care and safety of the public to implement and deliver healthy messages systematically.
MDT	Multi-disciplinary team
Nephropathy	Kidney disease, also known as Nephropathy, means damage to or disease of a kidney.
Neuropathy	Disease or dysfunction of one or more peripheral nerves, typically causing numbness or weakness.
NICE	The National Institute for Health and Care Excellence.NICE's role is to improve outcomes for people using the NHS and other public health and social care services by: producing evidence based guidance and advice for health, public health and social care practitioners; developing quality standards and performance metrics for those providing and commissioning health, public health and social care services; and, providing a range of informational services for commissioners, practitioners and managers across the spectrum of health and social care.
Peripheral vascular, or peripheral arterial disease	Peripheral arterial disease (PAD) is a common condition, in which a build-up of fatty deposits in the arteries restricts blood supply to leg muscles. It is also known as peripheral vascular disease (PVD).
Population attributable fraction (PAF)	An estimate of the proportion of the burden of disease that is attributable for a factor, e.g. obesity.
Potential Years of Life Lost (PYLL)	Potential years of life lost (PYLL), is an estimate of the average years a person would have lived if he or she had not died prematurely. It is, therefore, a measure of premature mortality.
QALY (quality-adjusted life year)	The quality-adjusted life year or quality-adjusted life-year (QALY) is a generic measure of disease burden, including both the quality and the quantity of life lived. It is used in assessing the value for money of a medical intervention.
Retinopathy	Disease of the retina which results in impairment or loss of vision.
WHO	World Health Organisation
Years of life lost (YLLs)	Years of life lost (YLLs) are years lost due to premature mortality. YLLs are

	calculated by subtracting the age at death from the longest possible life expectancy for a person at that age.
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# 1. Executive summary: headlines and recommendations

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## Headlines

### **Actions proposed**

- Maximise the opportunities for lifestyle interventions identified through health checks across Cambridgeshire and Peterborough.
- Expand Peterborough weight management services to reach NICE recommended levels.
- Extend the health check to those aged 25-39 in the Peterborough South Asian population. Focus on the most deprived areas first.
- Increase the lifestyle interventions for those with diagnosed hypertension, and at high risk of diabetes.
- Expand workplace health initiatives within NHS employers to reduce absenteeism.
- Expand malnutrition screening and treatment in older people.
- Increase the number of people accessing stop smoking services (adults, older people and pregnant women).
- Increase the proportion of people receiving information and brief advice about alcohol in GP practices and A&E.
- Increase the number of women with LARCs
- Improve referral and uptake of IAPT services for people with LTCs.
- Expand falls prevention work in the older population
- Increase the uptake to % of people eligible accessing and completing cardiac rehabilitation.
- Improve diagnosis and treatment for Atrial Fibrillation, and hypertension.
- Increase the numbers of people with COPD (chronic obstructive pulmonary disease) on a self-management programme and/or accessing pulmonary rehabilitation

## Obesity, diet and physical activity

- Current weight management services see approximately 1-2% of the population who are obese.
- For a variety of reasons it is not currently possible to robustly estimate the cost savings to the NHS of reductions in weight loss, although we can estimate the effectiveness of some of current programmes.
- There is little information about the long term impact of weight management programmes. However, recent health economic modelling of 'lifestyle interventions' focused on support to change lifestyle behaviour (notably diet, and physical exercise) have been found to be potentially cost saving to the NHS, with the largest savings from intensive interventions over the lifetime horizon.
- Peterborough weight management services are currently limited and should be immediately expanded to reach NICE recommended levels.
- We need to ensure that we maximise the opportunities for lifestyle interventions identified through health checks across Cambridgeshire and Peterborough.
- It is recommended that 'lifestyle interventions' are available on a much larger scale, including intensive health trainer options, for those identified as at risk of diabetes, or with hypertension through a health check or opportunistically. This should be underpinned by initiatives which help create an environment which encourages a healthy weight. These initiatives should include the promotion of active travel.

## Diabetes prevention

- People at high risk of developing type 2 diabetes can be identified through the NHS Health Check and the disease could be prevented in 30-60% through appropriate behaviour change support<sup>1</sup>.
- Improve screening and lifestyle interventions for populations with high risk of hypertension, high glucose levels, South Asian population. Focus on the most deprived areas first.

## Cardiovascular disease

- Current uptake for Cardiac Rehabilitation is 48.3% in line with the national average. However, there may be cost savings associated with increasing this to 65%.
- There are opportunities to improve the diagnosis and treatment of Atrial Fibrillation. This is potentially cost saving to the NHS as well as local authorities. Initial modelling suggests that additional treatment of 1527 people would avoid 61 strokes and

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<sup>1</sup>PHE Cardiovascular intelligence pack.

produce net savings of £389k to the NHS over the next seven to eight years, as well as substantial savings to local authorities.

- Work should focus on increasing the numbers of patients diagnosed and treated for AF with warfarin, and reducing variation between GP practices. Peterborough should be the initial focus of this work.
- Modelling work finds the national interventions to reduce salt intake are cost saving at all time horizons including year one.
- Lifestyle interventions, general adult population and focused on those with diagnosed hypertension, have been shown to be potentially cost saving at 10 years and over a lifetime horizon.
- Potential net savings to the NHS are approximately £425k over three years from improving the diagnosis and management of hypertension by 15%. This would require a potential investment of up to £1.2m over three years, however a proportion of this work already takes place through the health check. There would be additional social care savings from strokes avoided.
- Maximising the opportunity provided in the health check to diagnose and treat hypertension, including through lifestyle interventions, should be maximised.
- A variety of lifestyle interventions for those diagnosed with hypertension should be available. This would mean an expansion to existing lifestyle services, such as health trainer/coaches.
- Work to increase diagnosis and management of those with hypertension should focus initially on Peterborough, and Fenland.

### Long term conditions

- International evidence finds that psychological interventions for long term conditions, can reduce average health care costs in the range of 20-30% across studies.
- Self-management programmes in patients with COPD have been found to reduce all cause hospitalisations by up to 40%.
- A self-management programme should be offered to those diagnosed with COPD. This should be evaluated for its economic impact on health costs.
- Work should also ensure that pulmonary rehabilitation is maximised for COPD patients.
- Routine management of LTCs should include the identification of those requiring further assessment for depression and anxiety early in the pathway. Physical and mental health pathways should be integrated to facilitate this.
- There should be maximum utilisation of the IAPT LTC team, and there should continue to be a focus on rapidly increasing referrals. There should be a focus on those with multiple long term conditions.



- There should be an economic evaluation of the impact on healthcare costs of identification and treatment for common mental health disorders in those with multiple long term conditions.

## Workplace health

- The potential mental health productivity savings, assuming no current action in this area, amount to nearly £5.7m across the large NHS employers in Cambridgeshire and Peterborough.
- The evidence and modelling is clear that investing in workforce health will generate short term productivity savings to the NHS. These are estimated, with the package modelled here to be approximately £3.9m over three years, with an investment of £335k.
- NHS employers should see considerable productivity savings from investing in workplace health. In particular this needs to focus on improved management and awareness of mental health and illness.

## Smoking

- There are an estimated 105,548 people across Cambridgeshire and Peterborough who smoke. There is a high quality, high ranking evidence that stop smoking services are cost effective, are good value for money and provide a good return on investment.
- Sub-national programme work, such as tobacco control, is critical to ensuring savings to the NHS. Nationally and locally we should continue to invest in this.
- We should maximise our prevention opportunities and increase the number of people setting a quit date through stop smoking services (adults, older people and pregnant women) in Cambridgeshire by 5%, and in Peterborough to the Cambridgeshire average.
- An additional investment of £346k, only £175k of which is new investment, is needed to generate a saving over £356k over the next two years.
- There are additional savings to the NHS to be made from stopping people smoking before operations, and this group should be a target population.

## Alcohol

- Maximise opportunities to provide brief advice on alcohol to more GP practice patients, at new registrations and/or next appointment. If 10,000 more patients were to receive this advice, it is estimated this would save the NHS £217k (above the cost of the intervention) over seven years with the vast majority of the savings in years 2-5.

- Monitor the GP provision of brief advice on alcohol, now provided through the core GP contract, and provide training as necessary
- Focus a larger proportion of training for information and brief advice in A&E. Agree a training model and associated costs for information and brief advice in primary care and A&E, and expand the provision of this advice in A&E.

## Falls

- Injurious falls in older people have a high cost impact for health and social care services locally, estimated at £83 million for 2016, with increasing costs forecast for the ageing population.
- There is important and robust evidence indicating net savings for falls interventions targeted at both community dwelling older adults and older adults in residential or nursing care across a range of UK and international settings.
- In particular three areas of intervention for preventing falls in community-living older people have been trialled and indicated cost savings: home-based exercise (the Otago Exercise Programme) in over 80-year-olds, home safety assessment and modification in those with a previous fall, and specific multi-factorial programmes.
- Potential savings may require delivery of preventative approaches at a much wider scale than current provision.
- This proposal advocates a strategic focus on older people aged 75 years and over; the role of multifactorial assessments and specifically participation in group-based strength and balance (Otago exercise) classes in the community (which are comparatively as effective as home-based models)
- The role of allied health professionals and fundamental function of strong system coordination and integration is described for maximising the impact of the interventions in the target groups, and greatest return on investment.
- An action-oriented systems perspective is needed to address the challenges inherent in preventing falls. Many sectors have a role to play, all need to be engaged in this process.

## Malnutrition in older people

- An estimated 13,000 to 18,300 older people are malnourished in the Cambridgeshire & Peterborough population, and more are at risk
- Potential cost savings may be achieved by increasing proportion screened for malnutrition among inpatients, outpatients and new GP registrations to 90% and providing appropriate treatment; investment of £524k and savings in the order of £543k primarily from reducing length of stay in acute care. At worst this intervention should not cost the NHS additional funding, and will improve quality of life for older people.

## Sexual health

- For every £1 invested in contraception services, there is a £11.09 saving to the NHS, rising to £13.42 for LARCs.
- It is proposed that we increase the number of women with long-acting reversible contraceptives (LARCs) by approximately 859 a year in Cambridgeshire & Peterborough. This should generate savings of £935k in 2016/17, £1.15m in 2017/18 and £1.26m in 2018/19.
- This would require an additional investment of £115k. However, the additional investment needed for Cambridgeshire, is already within the Council budget proposals for 2016/17.

## Breastfeeding – promoting initiation and duration

- Low breastfeeding rates in the UK lead to an increased incidence of illness that has a significant cost to the health service. Investment in evidence-based multi-faceted interventions has been shown to generate savings to the health economy in the short term by reducing hospital admissions for four acute childhood illnesses<sup>2</sup>.
- There is evidence to suggest that breastfeeding can contribute to longer term savings through its impact on key health outcomes including childhood obesity, but this is difficult to quantify.
- The focus should be on joint commissioning with local authorities to improve breastfeeding support, implementing or piloting interventions in both acute and community settings. These interventions should include strengthening breastfeeding support and advice in acute settings, and easily accessible breastfeeding peer support programmes focused on the most deprived areas of the CCG.

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<sup>2</sup>Renfrew MJ, et al. "Preventing disease and saving resources: the potential contribution of increasing breastfeeding rates in the UK" (2012) UNICEF. Available at:  
[http://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CCcQFjABahUKEwjxtcW\\_\\_PHIAhXLtxQKHRZqBNk](http://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CCcQFjABahUKEwjxtcW__PHIAhXLtxQKHRZqBNk)

## Investment and saving opportunities identified

The two tables below summarise the short term savings identified through work to date.

### Short Term Total Potential Net Savings Summary Table (savings after costs have been removed)

	16/17	17/18	18/19
NHS activity saving	£1.10m	£1.61m	£2.21m
NHS productivity saving	£0.16m	£1.8m	£1.8m
<b>Total</b>	<b>£1.26m</b>	<b>£3.5m</b>	<b>£4.09m</b>

	Lifestyle	Intervention	Area	Investment				Net NHS Savings				Comments
				2016/17	2017/18	2018/19	Total	2016/17	2017/18	2018/19	Total	
Short term	Smoking cessation	Increase uptake in Local Stop Smoking Services by 5% (includes subnational £136k per year)	CCC	£21,904	£21,904		£43,808	£161,250	£161,250		£322,499	
		Increase uptake in Local Stop Smoking Services to CCC levels (includes subnational £35k per year)	PCC	£65,589	£65,589		£131,178	£16,307	£16,307		£32,614	
	Sexual Health	Increase uptake of LARC's	CCC	£70,000	£90,000	£100,000	£260,000	£770,000	£990,000	£1,100,000	£2,860,000	£260k of CCC LARC investment is not new NHS investment
			PCC	£15,000	£15,000	£15,000	£45,000	£165,000	£165,000	£165,000	£495,000	
	Workplace	Mental health promotion, increase in healthy lifestyles and weight management	NHS Trust	£111,580	£111,580	£111,580	£334,741	£163,500	£1,887,070	£1,887,070	£3,937,640	NB: These are productivity savings to the NHS
	Cardiovascular disease	Cardiac rehabilitation										Work to date indicates that this will break even for the NHS
		Atrial fibrillation	CCG	£491,543	£737,315	£245,772	£1,474,629	£242,653	£289,484	£64,913	£467,224	This becomes cost saving to the NHS after 6 years. Additional savings to social care are not shown here
		Hypertension	CCG	£421,660	£421,660	£421,681	£1,265,002	£83,659	£254,342	£254,321	£425,003	Additional savings to social care are not shown here
	Older people	Falls	CCG	£293,152	£293,152	£586,303	£1,172,606	£310,894	£310,894	£621,788	£1,243,575	Additional savings to social care not shown here.
		Malnutrition										Work to date indicates that this will break even for the NHS
Longer term	SHORT TERM TOTAL		CCC	£91,904	£111,904	£100,000	£303,808	£931,250	£1,151,250	£1,100,000	£3,182,499	New investment in fact £179,808 see above on LARCs
			PCC	£80,589	£80,589	£15,000	£176,178	£181,307	£181,307	£165,000	£527,614	
			NHS Trust	£111,580	£111,580	£111,580	£334,741	£163,500	£1,887,070	£1,887,070	£3,937,640	
			CCG	£1,206,355	£1,452,127	£1,253,756	£3,912,238	£15,419	£275,752	£941,022	£1,201,355	
			Total	£1,490,428	£1,756,200	£1,480,337	£4,726,965	£1,260,638	£3,495,378	£4,093,091	£8,849,107	
	LONGER TERM TOTAL			£33,839	£33,839	£33,839	£101,517	£0	£0	£0	£0	This includes a targetted focus using health check plus referral to a health trainer where diabetes is diagnosed
	Diabetes	Focus on South Asian population aged 15-39 years for diabetes interventions	PCC	£33,839	£33,839	£33,839	£101,517					Further work possible on potential increase in interventions for long term savings.
	Lifestyle interventions & environment to support healthy weight		PCC & CCC									
	LONGER TERM TOTAL			£33,839	£33,839	£33,839	£101,517	£0	£0	£0	£0	

## 2. Introduction

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### Why have we produced a health system prevention strategy?

The Cambridgeshire and Peterborough health economy has been identified as one of England's 11 most challenged health economies and faces a funding shortfall of at least £250 million by 2019.

Prevention, at all levels has been recognised as critical to building a sustainable health system, through reducing demand on the health system. NHS England's Five Year Forward View states that 'The future health of millions of children, the sustainability of the NHS, and the economic prosperity of Britain all now depend on a radical upgrade in prevention and public health.'

It is well understood, that significant proportions of ill health and health service activity are potentially preventable. A recent Public Health England Lancet publication about the global burden of disease found that 40% of the NHS workload is potentially preventable, yet the proportion of health expenditure directed at prevention, although hard to estimate reliably, is probably closer to 4%<sup>3</sup>.

Preventing ill health involves many actions, some of which are under the control of health services and some are not. The interaction of these factors can be complex, but estimates from studies on major disease, such as coronary heart disease, show that approximately half the interventions that reduce ill health occur in the health system. So although the health system only forms part of the prevention picture, in many cases it is a critical part.

### Objectives of the strategy

The objectives of producing the strategy were to do the following:

- To identify the savings to the NHS, where possible, from current and planned prevention initiatives.
- To identify areas/interventions for potential additional NHS investment in prevention which would maximise savings to the local NHS over the next 3, 5, 10 years and beyond.
- Identify areas and initiatives for potential stretch and outline the strategy for delivering these including projected savings to the NHS, where possible.

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<sup>3</sup>Changes in health in England, with analysis by English regions and areas of deprivation, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. John N Newton et al. The Lancet. September 15, 2015 [http://dx.doi.org/10.1016/S0140-6736\(15\)00195-6](http://dx.doi.org/10.1016/S0140-6736(15)00195-6).

### What are the areas of focus?

This strategy specifically focuses on the contribution prevention can make to closing the financial gap across the Cambridgeshire and Peterborough health system. This is essentially about how we can improve the health of the population and use NHS resources for maximum impact. It focuses on initiatives where there is evidence that a particular prevention initiative can save the NHS money, and this can be quantified. It proposes areas where the NHS could 'invest to save' to maximise its prevention opportunities. It does not therefore focus on quality of life improvements which are not shown to be cost saving to the NHS, although all the proposals in this document show evidence that they will improve quality of life.

Therefore the areas of focus have been carefully chosen for the following reasons:

- The interventions have the best evidence that they work
- They are the interventions with the greatest potential to generate NHS savings
- Information is available to model reasonable estimates of NHS savings
- or, the scale of the issue suggests interventions will have an impact (even if the evidence is not currently conclusive)

This strategy does not start from a blank piece of paper. It builds on current local authority and NHS joint based Public Health Transformation programmes.

### What is included and what is not in this strategy?

There are many prevention initiatives where we have a strong evidence base, however we simply do not have the information to enable us to estimate savings to the NHS, but we think there are likely to be some. Support for post-natal depression is a good example. Equally there are prevention initiatives that will produce savings in terms of reduced disability to social care, such a stop smoking initiatives or diabetes prevention, as well as to the NHS. This strategy does not try to quantify savings, other than to the NHS. It is also unlikely to be entirely comprehensive, in that there are other interventions we have not had time to address in this strategy. Equally this document does not outline the health of the local population. This is covered in depth in the Joint Strategic Needs Assessments (JSNA).

Additionally there are many initiatives, often for children and young people, which are cost saving to the wider public sector (employment, economy and criminal justice) although not necessarily directly to the NHS, but will undoubtedly improve overall health. Parenting programmes focusing on the early identification and management of conduct disorder are a good example. Initiatives for children with strong evidence of an NHS saving have been hard to identify although there are many that show a benefit to longer term life chances which will in turn impact on long term health.

There are also prevention initiatives which are not within the scope of this work, as they are being taken forward through other programmes of work. In particular integrating care for

older people and resulting reductions in emergency admissions not included here, as it is being taking forward through the UnitingCare Partners (UCP) contract. There are other areas within this strategy however that highlight and attempt to quantify the potential opportunities with the UCP contract.

There is an overlap between this strategy and the work streams of the System Transformation Programme and the Emergency Care Vanguard. The strategy set out in this document will therefore be taken forward through a range of work programmes.

Details of the prevention initiatives considered in this work and the reasons for including or not including them are provided in the table at Appendix A.

Where interventions have been excluded, they have simply been found to be out of scope for this work. It does not mean that they are not effective or worthwhile interventions.

## 3. Obesity, diet and physical activity

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### Headlines

- Current weight management services see approximately 1-2% of the population who are obese.
- Peterborough weight management services are currently limited and should be immediately expanded to reach NICE recommended levels.
- We need to ensure that we maximise the opportunities for lifestyle interventions identified through health checks across Cambridgeshire and Peterborough.
- For a variety of reasons it is not currently possible to robustly estimate the cost savings to the NHS of reductions in weight loss, although we can estimate the effectiveness of some of current programmes.
- There is little information about the long term impact of weight management programmes. However, recent health economic modelling of 'lifestyle interventions' focused on support to change lifestyle behaviour (notably diet, and physical exercise) have been found to be potentially cost saving to the NHS, with the largest savings from intensive interventions over the lifetime horizon.
- It is recommended that 'lifestyle interventions' are available on a much larger scale, including intensive health trainer options, for those identified as at risk of diabetes, or with hypertension through a health check or opportunistically. This should be underpinned by initiatives that help create an environment which encourages a healthy weight. These initiatives should include the promotion of active travel.

### Background

Excess weight, diet and physical activity all have a significant impact on health. Obesity is a major determinant of premature mortality and avoidable ill health, increasing the risk of diabetes, heart disease, cancer, muscle and joint problems and depression.

### Key Facts

- It is estimated that being moderately obese reduces life expectancy by about three years and being severely obese by 10 years or more.
- In England, and in Cambridgeshire and Peterborough, most people are overweight or obese.
- Obesity is estimated to cost the NHS £5 billion a year and type 2 diabetes (often caused by obesity) a further £9 billion.
- Physically active people have a 20-35% lower risk of cardiovascular disease, reduced risk of diabetes, obesity, osteoporosis and colon/breast cancer, and better mental health.



## Current position

### What is the scale of the problem?

Overall levels of adult obesity in Cambridgeshire and Peterborough are in line with the national average. This masks variation within the CCG. For example there are higher than average percentages in Fenland (72%) and Huntingdonshire (69%) and lower than average percentages in Cambridge (54%), and there is similar variation within Peterborough. Obesity is highly correlated with deprivation and black and Asian ethnic backgrounds associated with higher risks of obesity and obesity related co-morbidities.

**Table 1: Proportion of adults and children overweight or obese in Cambridgeshire and Peterborough**

Age	Classification	Time period	Source	Cambridgeshire	Peterborough	England
Adults	Excess weight *	2012	1	65%	66%	64%
	Obese only	2012	1	23%	24%	23%
Children (4-5 years old)	Excess weight *	2013/14	2	21%	25%	23%
	Obese only	2013/14	2	8%	11%	10%
Children (10/11 years old)	Excess weight *	2013/14	2	29%	30%	34%
	Obese only	2013/14	2	16%	17%	19%

Source: 1.Public Health Outcome Framework, Fingertips, PHE  
2. NCMP Local Authority Profile, Fingertips, PHE

### How is the prevalence of obesity expected to change locally?

- The prevalence of obesity (BMI≥30) is forecast to continue to rise, however the latest data suggest the increase may be slower than previous national forecasts suggested.
- The projected rise for Cambridgeshire and Peterborough is from a baseline of 22.2% in 2012 to 23.8% in 2018, reaching nearly 28% by 2031.
- The greatest increase will be in the over 75s and 45-54s, with the prevalence in adults aged 25-44 remaining relatively stable.

The following figure and table show the proportional increase and the number of people this represents in our population. The estimates in Table 2 below take account of the fact that our population is growing.

**Table 2: Projected prevalence of obesity (BMI>30) and overweight (BMI>25) in C&P (% of >16s)**

	2012	2013	2014	2015	2016	2017	2018	2021	2026	2031
% adults with BMI >30	22.2	22.5	22.8	23.1	23.3	23.6	23.8	24.6	26.0	27.7
% adults with BMI >25	65.1	65.4	65.6	65.8	66.0	66.1	66.3	66.9	68.1	69.4

Source: Cambridgeshire and Peterborough CCG estimates based on 2003-2012 data.

**Table 3: Estimates of the number of people who will be obese by 2021 in Cambridgeshire and Peterborough**

2012 Actual	2013	2014	2015	2016	2017	2018	2019	2020	2021
165,820	167,839	171,389	174,991	178,687	182,265	185,789	189,287	192,874	196,502

### The health consequences and costs of rising obesity

Sixteen percent of NHS costs relate to diseases associated with overweight/obesity. Of these, 60% relate to diabetes, coronary heart disease and stroke; 30% to osteoarthritis and 10% to cancers. These diseases are complex and their causes are multi-factorial. While around 80% of the disease burden due to diabetes can be attributed to overweight/obesity, for heart disease and stroke the proportion is closer to one third and for osteoarthritis it is around 20%.

The population attributable fraction (PAF) below (an estimate of the proportion of the burden of that disease that is attributable to obesity) illustrates how we cannot think about tackling obesity separately from preventing diabetes, hypertension and other diseases. Diabetes has the highest obesity PAF; nearly 80% of the burden of the disease can be attributed to overweight and obesity (note that the PAF for Type 1 Diabetes alone would be low; this figure is driven by the predominance of Type 2 Diabetes).

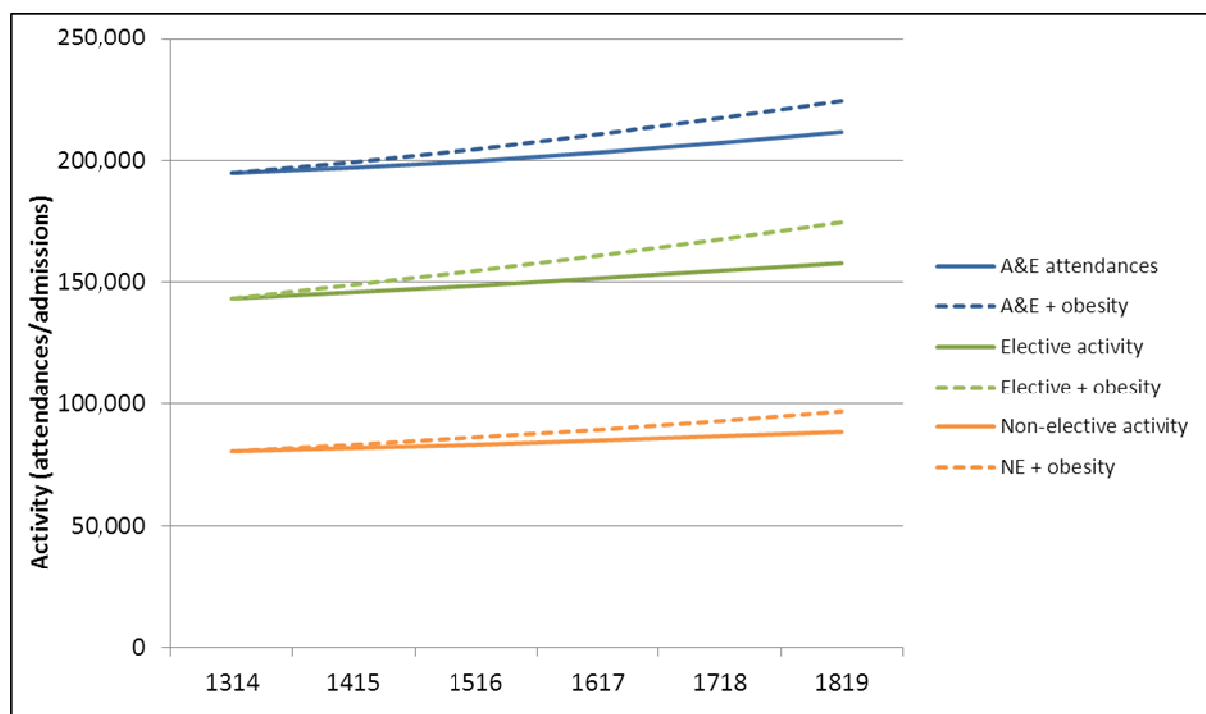
**Table 4: Fraction of disease attributable to overweight and obesity (from WHO Burden of Disease, based on PAF for DALYs lost for specific diseases to overweight and obesity)**

Disease	PAF
Ischaemic heart disease	34
Ischaemic stroke	34
Breast cancer	12
Colon/rectum cancer	16
Hypertensive disease	58
Corpus uteri cancer	49
Osteoarthritis	21
Diabetes mellitus	79

Overall, 6.3% of NHS costs can be attributed to overweight and obesity specifically. No single disease accounts for the majority of obesity-related NHS costs. There is little published research on the relative use of health services by obese patients, however the evidence suggests that excess use of services relates to the consequences of obesity, rather than to obesity per se. A recent systematic review found that obese individuals have 30% higher health costs than individuals of a healthy weight<sup>4</sup>. This estimate has been used to estimate 30% higher health service usage.

The demand for health services is rising faster than can be explained by demographic change alone. Rising acuity results, in part, from population ageing, but the increasing prevalence of obesity is also a key factor. The figure below presents a forecast of the CCG-commissioned A&E, elective and non-elective activity across all providers, and the estimated impact of obesity.

**Figure 1: Forecast acute activity to 2018/19 with projected obesity related activity**



The table below shows how many people would need to be moved out of the obese category to keep obesity levels static, and reduce related NHS costs. For 2016 the number of people is 5,524 and for 2019 it would be 11,216.

<sup>4</sup>Withrow D & Alter DA. The economic burden of obesity worldwide: a systematic review of the direct costs of obesity. *obesity reviews* 2011;12:131–141

**Table 5: Obesity prevalence**

	2012 Actual	2013	2014	2015	2016	2017	2018	2019	2020	2021
Static prev	165,820	167,519	169,393	171,256	173,163	174,911	176,534	178,071	179,646	181,208
Increase prev	165,820	167,839	171,389	174,991	178,687	182,265	185,789	189,287	192,874	196,502
Difference	0	320	1,995	3,734	5,524	7,354	9,255	11,216	13,228	15,294
	0.0%	0.2%	1.2%	2.2%	3.2%	4.2%	5.2%	6.3%	7.4%	8.4%

## Interventions and cost savings to the NHS

### Current public health spend and activity

There are an estimated 165,820 people within the CCG population who are obese. We know the following about our current weight management services:

- Weight management services in Cambridgeshire are multi-component in design and offer services to people with obesity as outlined in NICE guidelines and Department of Health (2006).
- Services much more limited in Peterborough. NICE estimates of activity levels are based on average national activity at 2011 and so do not address the scale of the issue described above.
- We estimate that current weight management services (Tiers 2 and 3) are currently reaching 1-2% of the obese population across the CCG.
- We know that there is activity taking place within GP practices in relation to diet, weight and physical activity. Approximately 20,000 health checks are undertaken a year across Cambridgeshire and Peterborough.
- In Cambridgeshire 2014/15, 83% of the target was achieved and the percentage of health checks offered and converted into completed was 38%. There has been a considerable improvement in the quality of data returned and numbers referred onwards to services following a health check; which has been attributed to the ongoing training programme.
- Health check completion (45.8% of eligible population) and uptake (48%) in Peterborough is above or on average with England, with good onward referral to available lifestyle services.
- Many people choose to access evidence based commercial weight management programmes (such as Weight Watchers) independently of anything offered through the NHS.

In Cambridgeshire, annual Public Health spend on diet, physical activity and obesity is £1,005,000.

An evaluation of weight management services (Tiers 1-3) in Cambridgeshire (June 2011-May 2013) found that:

- All services have good outcomes as far as weight loss in people completing the programmes, and the results are comparable with those reported in studies used for benchmarking obesity services.
- On average 25-30% of participants achieved over a 5% weight loss on completion (average of approx. 4kg), as well as an increase in active days and average daily vegetable consumption.
- The cost effectiveness of the services is difficult to determine without long term follow up. However, the services are likely to be cost effective if weight loss >5% of body weight is maintained.

Current weight management and obesity services are limited in Peterborough.

A return on investment model for health trainers developed by a lecturer at the Judge Institute found that for the £488k invested by Cambridgeshire, they estimated that there would be a net saving to the NHS of £372k. The savings were largely from behaviour change processes. The vast majority of the work of the health trainers is on weight management, promoting physical activity and diet.

#### **The cost effectiveness of weight management programmes**

Significant health benefits can be achieved from modest amounts of weight loss. Realistic targets for weight loss for adults are usually seen to be a maximum weekly weight loss of 0.5–1 kg, and a total loss of 5–10% of original body weight over the period of the intervention.

The NICE economic models estimate that a 12-week programme costing £100 or less will be cost-effective for adults who are overweight or obese under 2 conditions. First, the weight loss, compared with what it would have been without the intervention, must be maintained for life. Second, at least 1 kg of weight is lost and this weight difference is maintained for life (that is, the person's lifetime weight trajectory is lowered by at least 1 kg). [PH42 costing report]

In a hypothetical scenario, only used to give an indication of the scale of the issue, where we wanted to reduce the weight in an additional obese 11,216 people by 2019, the number to keep obesity static, there would need to be an additional 37,386 referrals to weight management services and services would need to be seven and a half times the size they are now. This would not necessarily lead to a situation where obesity would be kept static; it would instead lead to some weight reduction within this group. It is not possible to estimate what proportion of the additional 30% health costs associated with obesity would be reduced through this weight loss. It is also not clear from the evidence whether this weight loss would be maintained.

## Physical Activity

Illness as an outcome of physical inactivity has been conservatively calculated to be between £0.9-1 billion per annum in direct costs to the NHS (in 2006-07 prices), mainly based on costs associated with ischaemic heart disease and stroke (Scarborough 2011).

Active transport (cycling or walking to work) is a key way of increasing individual daily activity. Active travel schemes have been found to have a cost benefit of between 5 -6 to one (DfT 2014).

However many cost benefit models focus on reductions in premature mortality (e.g. WHO Health Economic Assessment Tool) or wider benefits such as absenteeism, productivity and quality of life rather than specific cost savings to the NHS. It has been possible to model the impact of brief advice to improve physical activity in the workplace section of this report, as the cost savings are in improved productivity to the NHS.

Jarrett (2012) estimated the NHS costs that could be averted by a large shift towards active travel in England and Wales, based on reducing incidence of key diseases and therefore the costs of treating these conditions. A shift in walking from 0.6 km/day to 1.6 km/day, and in cycling from 0.4 km/day to 3.4 km/day (similar to current levels in Copenhagen) could result in changes in numbers of incident cases of type 2 diabetes, dementia, cerebrovascular disease, breast and colorectal cancer, depressions and ischaemic heart disease. The study estimated that over 20 years, the expenditure averted would be over £17 billion. Most of these savings are due to a decrease in the expected number of cases of Type 2 diabetes. Reductions in incidence of Type 2 diabetes, cerebrovascular disease, depression and ischaemic heart disease would be seen over a shorter time period than cancers and dementia. The model did not include any impact for existing diagnosed patients.

## Work already planned

### Peterborough weight management services

An obesity needs assessment for the Peterborough and Borderline system has been completed, and outlines the tiered weight management services needed to meet NICE standards in Peterborough. The model proposed builds upon existing services in Peterborough that encourage physical activity, weight loss and healthy lifestyles. A CCG investment of £100k has been agreed to support the development of tier 3 weight management services and this will be taken forward as part of broader integrated lifestyle and behaviour change service developments over the coming year.

### Encouraging a healthy weight

It is widely recognised that at the whole population level, obesity prevention and health promotion advice, support, information and incentives should be available to encourage a

healthy weight. These should include factors that affect the wider determinants of health including environment design and planning.

The model should work across the life course and therefore include support to children and young people for weight management from tier 1 through to tier 3.

Many partners, including district councils and the voluntary sector, fund initiatives to promote healthy lifestyle and reduce the number of people who are overweight and obese.

A Public Health Reference Group (PHRG) has been set up in Cambridgeshire and Peterborough to provide whole system leadership and multi-agency co-ordination for public health initiatives), focused on improving outcomes for residents and reducing health inequalities. Its membership includes District Councils, local academics, the voluntary sector, Police and Crime Commissioners office, Health Watch, the CCG and both local authorities. It reports to the Health and Wellbeing Boards.

The PHRG has chosen to focus on obesity, diet and physical exercise initially. Working with the public health team the PHRG has undertaken a review of the evidence in these areas. The summary of this is attached at Appendix B. Given the gaps in evidence around long term impact, the group has chosen to focus on a wide range of initiatives that will support creating an environment that promotes a healthy weight.

This review has led to a draft action plan for the next 6 months (October 2015-March 2016). Currently this work programme focuses on Cambridgeshire only.

The draft plan includes work in the following areas:

- Commissioning of a package of initiatives that will enable early years' services to provide children/families/carers with access to and information about a healthy diet.
- A package of interventions as part of a Workplace Programme for Local Authorities over two years.
- Increasing community engagement in physical activity programmes through a range of initiatives that could be supported or provided by different organisations.
- Training of staff in primary care to make brief interventions for lifestyle behaviour change

This work is funded through the Public Health grant, as outlined in the Cambridgeshire County Council business plan and is subject to council approval of the budget early next year.

Point of Care testing for lipids and HbA1c has been commissioned and will be available in all GP practices providing health checks from 2015/16. This will improve patient experience through the whole health check being completed in one practice visit and enable better recording. Secondly the introduction of a new data collection system in practices will improve the accuracy of the patient invite system, data recording and collation. A range of

outreach health checks is also being provided, there is staff training from a commissioned Coronary Heart Disease specialist nurse, and in Fenland a mobile service has been established and is visiting factories to offer health checks especially to those more hard to reach groups.

Recent NICE guidance for mid-life approaches to prevent or delay dementia, disability and frailty in later life in October 2015<sup>i</sup> focuses on changes to modifiable risk factors that are shared with other non-communicable diseases such as cardiovascular disease and type 2 diabetes. It also estimates that for every 1% of the population for whom dementia could be delayed for one year (4033 people), a NHS saving of £21 million per annum could be achieved (£60 million if Local Authorities and Central government included). These figures do not take account of costs.

In Cambridgeshire and Peterborough health checks include a dementia component for those aged 65 to 74 in line with national guidance. There are a number of uncertainties around the potential cost effectiveness of including dementia awareness in all health checks, however health checks can be used to raise awareness of the association between modifiable risk factors and dementia, which may influence people to change their behaviour.

### **Where should the strategic focus be to reduce obesity related NHS service demand?**

- We need to continue to provide high quality weight management programmes within Cambridgeshire and to maximise the opportunity of health checks to refer people onto weight management programmes.
- We need to provide multi-component weight management services to people with obesity as outlined in NICE guidelines to people living in Peterborough
- It is clear that these current weight management programmes, which reach 1-2% of the obese population, are not provided to a scale which would mean they could influence obesity related demand curves.
- The Public Health Reference Group has developed a strategy influencing the wider determinants of obesity. Many of the initiatives the group is taking forward may not show evidence of short term or direct NHS savings, but overall will help create an environment which supports a healthy weight. Again, arguably these current initiatives are not at a scale where they will be large enough to influence the overall obesity and overweight prevalence level within the population.
- Initiatives to create a wider environment that supports a healthy weight should include active travel initiatives.



- Some of the most cost saving interventions are more effective when introduced as national initiatives, such as reducing salt content within food and sugar levels within drinks.

## Recommendation

That the health system consider investing in 'lifestyle' interventions, to reduce the overweight and obese population, including weight management, so that the scale of the interventions available better reflects the needs of the population.

The details of how lifestyle interventions influence diabetes and hypertension and have been found to be cost saving are outlined in the following sections.

The overall changes reflect the best evidence of where lifestyle interventions are cost saving to the NHS and the proposal would consist of:

A range of lifestyle interventions, including intensive health trainer options, available for those identified as at risk of diabetes, or with hypertension through a health check.

In Cambridgeshire this would mean scaling up the current health trainer service, to provide more 'health coaches' and a range of other initiatives for people to access to reduce and maintain a healthy weight. A corresponding increase in specialist weight management services would also be needed.

In Peterborough this would mean:

- A health trainer/coach programme introduced as well as a wide range of initiatives to help people maintain a healthy weight. Specialist weight management services would also need to be expanded to meet the additional population entering the pathway.
- Ensuring full GP practice engagement with MECC and Let's Get Moving initiatives.
- Exploring point of care testing for Peterborough GP practices providing health checks, as this makes onward referral to other services quicker and easier.

## 4. Diabetes

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### Headlines

- People at high risk of developing type 2 diabetes can be identified through the NHS Health Check and the disease could be prevented in 30-60% through appropriate behaviour change support<sup>5</sup>.
- Improve screening and lifestyle interventions for populations with high risk of hypertension, high glucose levels, South Asian population. Focus on the most deprived areas first.

### Background

Diabetes mellitus is a chronic and complex multi-system disorder of glucose metabolism requiring medical input throughout the life-course. Diabetes is associated with serious complications including coronary heart disease, stroke, peripheral vascular disease and retinopathy, nephropathy, and neuropathy. It is important to note that there are two predominant types of diabetes.

### Key Facts

- **Type 1 diabetes** typically occurs in children and young adults, is due to absolute insulin deficiency and contributes to approximately 10% of total diabetes prevalence; **type 2 diabetes** makes up approximately 85-90% of total diabetes prevalence, is associated with obesity and insulin resistance, and typically occurs in older adults aged over 35 years. Type 2 diabetes is the type of diabetes discussed here.
- If current trends persist, one in three people will be obese by 2034 and one in ten will develop Type 2 diabetes.
- Type 2 diabetes is often preventable. People at high risk of developing type 2 diabetes can be identified through the NHS Health Check and the disease could be prevented in 30-60% through appropriate behaviour change support<sup>6</sup>.
- There is strong international evidence which demonstrates how behavioural interventions, which support people to maintain a healthy weight and be more active, can significantly reduce the risk of developing the condition.
- The cost of treating overweight patients with diabetes is about one and a half times that of treating normal-weight patients with diabetes. The cost of treating patients with diabetes who are obese is more than three times as high as for treating patients without diabetes who are of normal weight<sup>7</sup>.

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<sup>5</sup>PHE Cardiovascular intelligence pack.

<sup>6</sup>PHE Cardiovascular intelligence pack.

<sup>7</sup>PHE Cardiovascular intelligence pack.

## Current position

In 2013/14 5.4% of people aged 17+ years were recorded as having a diabetes diagnoses in Cambridgeshire and 6.3% in Peterborough. It is estimated that there are 7,304 people with undiagnosed diabetes in NHS Cambridgeshire and Peterborough CCG. GP practice prevalence of observed diabetes ranges from 1.2% to 12.0%.

The focus here is on the prevention of diabetes rather than the management of diabetes once diagnosed. However, the National Diabetes Audit Data shows that many of the eight care processes recommended by NICE do not appear to be being provided in Cambridgeshire and Peterborough to the same level as elsewhere in the county, and the CCG does not rank well in comparison with other areas. Overall in 2012/13 54.9% of people with diabetes had the eight recommended care processes in NHS Cambridgeshire and Peterborough CCG compared to 59.5% in England. This means that at least 12,953 people did not receive the 8 care processes.

For example reporting on people with diabetes whose blood glucose levels are well controlled for 2013/14 there were 58.3% of people in this group in Cambridgeshire, and 47.9% in Peterborough. Cambridgeshire ranked 128th out of 152 counties and Peterborough was the bottom of the table nationally. The England average was 61.5%. There were similar results for blood pressure control in people with diabetes.

The focus here is on diabetes prevention however, intensive blood glucose control can reduce the risk of diabetic complications and decrease treatment costs over periods from 10 years to a lifetime, and some US studies showing a quicker return on investment<sup>8</sup>. There may therefore be opportunities related to intensive blood glucose control and blood pressure control amongst diabetics, to improve care and reduce overall NHS costs.

## Interventions and cost savings to the NHS

NICE guidance on diabetes prevention highlights many interventions which are cost effective in the short term. It was not able to estimate long-term savings for the guidance.

However, it argues that the main savings are anticipated to arise as a result of providing intensive lifestyle-change programmes. Some and, in time, possibly all the costs of assessment and lifestyle interventions may be offset by delaying someone's progression to type 2 diabetes. In the short term, savings will relate mainly to the costs that would otherwise have been incurred in monitoring and treating people who have progressed to type 2 diabetes. Savings will increase in the longer term, as the number of complications and related medical conditions (such as stroke and heart disease) are reduced.

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<sup>8</sup> Evidence based diabetes care in Cambridgeshire: clinical and cost issues for a diabetes service. A commentary based on a review of the literature, Nita Forouhi

There are a couple of interventions which the costing and modelling work commissioned for the development of the guidance, and some more recent work, which show interventions which are potentially cost saving.

- a) Large-scale, region-wide multi-component programme (Hartslag Limburg) was found to be highly cost-effective but possibly cost-saving (depending on assumptions around cost of maintenance intervention<sup>9</sup>). Hartslag Limburg was a programme which targeted a regional population of 185,000 with a mix of 590 lifestyle programmes including low cost lifestyle seminars and cycle tours to high cost exercise and diet programmes. Sixty percent of the investment was on improving exercise. The more intensive interventions produced the greatest weight loss, and significant improvements in health were found between the intervention and reference group after five years.
- b) A US study (Zhou et al. 2012) projected long-term savings from implementing a community-based diabetes prevention programme nationwide. The modelling in this study identified that a cumulative break-even point would be achieved in year 13.
- c) Recently, Breeze et al <sup>10</sup> compared the cost-effectiveness of lifestyle interventions, designed to prevent diabetes, across different high-risk population sub-groups and different intervention intensities. Overall, they found the diabetes prevention interventions are likely to be cost-saving. The six population sub-groups defined as at high risk for diabetes used were adults aged 40-65 years, low socio-economic status, HbA1c>42mmol/mol (6%), Finnish Diabetes Risk score >0.1, BMI >35 kg/m2, South-Asian.

They found that diabetes prevention programmes are potentially cost-saving over a lifetime horizon, regardless of risk criteria or intervention intensity. Cost-effectiveness increases with intervention intensity. The most cost-effective options were to target South-Asian people and those with HbA1c levels >42 mmol/mol (6%) over a lifetime. However, there are net savings in the first ten years from targeting people with HbA1c and with high value Finnish risk score, but the other groups targeted cost more than their savings over ten years. However, all the groups targeted offer a return on investment over a lifetime. The low socio-economic status and South Asian groups take longer to recover costs despite generating high lifetime costs savings.

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<sup>9</sup> SHAR Prevention of type 2 diabetes: preventing pre-diabetes among adults in high-risk groups  
Report on Use of Evidence from Effectiveness Reviews and  
Cost-effectiveness Modelling

<sup>10</sup> SHAR Prevention of type 2 diabetes: preventing pre-diabetes among adults in high-risk groups  
Report on Use of Evidence from Effectiveness Reviews and  
Cost-effectiveness Modelling

They argue that combining criteria could optimise health savings. They found that interventions for individuals identified by FINDRISC score>0.1 or HbA1c>42 mmol/mol(6%) have the greatest cost savings after 1-10 years.

The long term benefits are as much about reducing the risk of other diseases as well as diabetes. The health benefits of interventions in the South Asian population had a large impact on reducing cardiovascular disease but less impact on lifetime diabetes. By contrast, intervening with those with HbA1c>42 mmol/mol (6%) has a large impact in reducing diabetes diagnosis, but it is slightly less effective in reducing CVD events.

They used a meta-analysis of lifestyle interventions (Dunkley et al), which means that their exact definition of a lifestyle intervention is difficult to establish, as there was a large range of interventions included in the meta-analysis. However, intervention costs, with intensive lifestyle support costing £157 per person, are broadly in line with our existing tier 2 health trainer costs. The modelling work assumes that the benefits of lifestyle interventions are sustained over a lifetime.

- d) Risk assessment and intervention in South Asians of 25-39 years of age appears to be cost-effective and cost-saving over the longer term (20 years +), with future cost savings more than offsetting the cost of finding, testing and undertaking intensive lifestyle-change interventions with this group. NICE modelling found that even assuming a 50% higher intervention cost (to take account of longer course delivery times for non-English speaking participants) makes little difference to the results and would not alter the conclusion.<sup>11</sup>

### Work already planned

The NHS Diabetes Prevention Programme aims to identify those at high risk and refer them into an evidence-based behavioural intervention to help them reduce their risk. The CCG and Local Authority public health team submitted an expression of interest to be part of the first wave of national implementation of the Programme.

There is also an Integrated Community Diabetes Service which has been introduced in CamHealth LCG. The service consists of a number of inter-related components including a diabetes specialist nurse (DSN) clinic at all practices, home visits by a DSN and Healthcare Assistant when requested by the practice, dietician clinics at all practices, podiatrist support and access to Podiatrist's clinics, virtual case reviews and MDT clinics both led by consultant

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<sup>11</sup> NICE PH38 and SHAR Prevention of type 2 diabetes: risk identification and interventions for individuals at high risk

diabetologist. Supporting work in primary care includes the identification, review and referral of at risk patients, diabetes prevention and management work, and self-management through personal health plans.

### Where should the strategic focus be?

The evidence suggests that interventions that:

- maximise the opportunity that the health check provides to identify people at risk of diabetes, particularly with HbA1c>42mmol/mol (6%)
- provide intensive lifestyle change programmes for those at high risk
- and focus on high risk population groups such as those from the South Asian, and low socio-economic status population.

### What would this mean for Cambridgeshire and Peterborough?

**Table 6: Numbers in the South Asian population in Cambridgeshire and Peterborough aged 25-39**

	South Asian population aged 25-39
<b>Cambridgeshire</b>	4,512
<b>Peterborough</b>	4,854
<b>Total</b>	9,366

Source: 2011 census resident population

The highest concentration of the South Asian population, also in the more deprived areas of the CCG with the poorest health, are in Peterborough. This would therefore be the priority group to focus on initially.

A health check currently costs approximately £26, so it would cost approximately £126,204 to extend health checks to the South Asian population aged 25-39. Given the scale of the additional checks this is likely to be split across 3-5 years with people in the South Asian population reaching age 25 joining the cohort to receive a health check. The aim would be for all those in the age group to receive one health check over the next 3-5 years.

**Table 7: Estimate of diabetes prevalence in South Asian populations aged 25-39**

		Diabetes	Type II (90%)
Estimate of Diabetes in South Asian pops 25-39 (Diagnosed and Undiagnosed)	Cambridgeshire	632	569
	Peterborough	680	612
	Total	1311	1180
	Rounded up	1300	1200

Source: Holman 2010 for diagnosed/undiagnosed within South Asian population

The model assumes that an additional 4,854 health checks would be offered, and based on current take up rates, 2,354 would be undertaken. From these we estimate that there will be 165 cases of potential future diabetes identified and that 50% of this group will accept a health trainer style intervention. The figures below are all approximate costs.

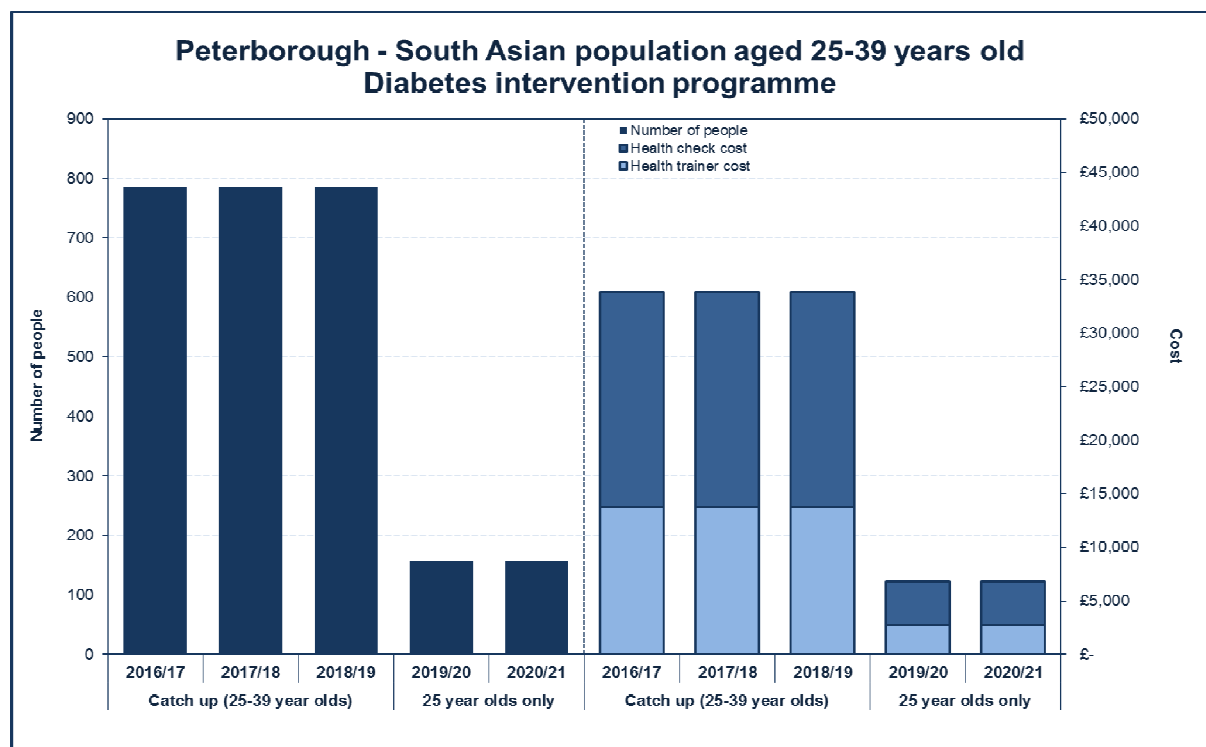
There would also need to be point of care testing available for health checks. This would cost approximately £243k over 3 years (£81k a year), based on Cambridgeshire costs, for all 25 practices.

**Table 8: costs of health checks**

<b>Peterborough</b>	<b>Number</b>
South Asian population aged 25-39 years	4,854
Annual uptake of health check 2014/15	48.5%
Estimated number of health checks	2,354
Average cost of a health check	£25.60
<b>Total cost for health checks</b>	<b>£60,267</b>
<b>Estimated prevalence of diabetes in South Asian population</b>	14.0%
Estimated number of people to refer to health trainers	330
Assume 50% uptake to health trainer	165
<b>Average cost of health trainer (caseload approx 110 people per trainer)</b>	<b>£41,250</b>
<b>Total cost of package</b>	<b>£101,517</b>

The figure below shows how the 'catch up' for the 25-39 year olds in Peterborough could be spread over three years. After then the numbers drop to only those reaching the age of 25.

**Figure 2: Peterborough – South Asian population, diabetes intervention**



The evidence suggests that this programme may prevent over 470 cardiac events, and 10 diabetes diagnosis, and certainly be cost saving over a lifetime.

### Where should the strategic focus be?

People at high risk of developing type 2 diabetes can be identified through the NHS Health Check and the disease could be prevented in 30-60% through appropriate behaviour change support<sup>12</sup>. The strategic focus and recommendations in the obesity section should help prevent diabetes.

In addition, it is clear that there are long term NHS savings to be gained from screening and providing an intensive lifestyle intervention for the South Asian population aged 25-39.

### Recommendations

- Health checks should be extended to those aged 25-39 years from the South Asian population in Peterborough, with the initial focus in the GP practices with the highest concentration of the South Asian population in the most deprived areas. This will cost approximately £100k over the first three years (excluding point of care testing) but will be cost saving in the long term.

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<sup>12</sup>PHE Cardiovascular intelligence pack.



## 5. Cardiovascular disease

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### Headlines

- Current uptake for Cardiac Rehabilitation is 48.3% in line with the national average. However, there may be cost savings associated with increasing this to 65%.
- There are opportunities to improve the diagnosis and treatment of Atrial Fibrillation. This is potentially cost saving to the NHS as well as local authorities. Initial modelling suggests that additional treatment of 1527 people would avoid 61 strokes and produce net savings of £389k to the NHS over the next seven to eight years, as well as substantial savings to local authorities.
- Work should focus on increasing the numbers of patients diagnosed and treated for AF with warfarin, and reducing variation between GP practices. Peterborough should be the initial focus of this work.
- Modelling work finds the national interventions to reduce salt intake are cost saving at all time horizons including year one.
- Lifestyle interventions, general adult population and focused on those with diagnosed hypertension, have been shown to be potentially cost saving at 10 years and over a lifetime horizon.
- Potential net savings to the NHS are approximately £425k over three years from improving the diagnosis and management of hypertension by 15%. This would require a potential investment of up to £1.2m over three years, however a proportion of this work already takes place through the health check. There would be additional social care savings from strokes avoided.
- Maximising the opportunity provided in the health check to diagnose and treat hypertension, including through lifestyle interventions, should be maximised.
- A variety of lifestyle interventions for those diagnosed with hypertension should be available. This would mean an expansion to existing lifestyle services, such as health trainer/coaches.
- Work to increase diagnosis and management of those with hypertension should focus initially on Peterborough, and Fenland.

### Background

Cardiovascular disease (CVD) is an umbrella term for all disease of the circulatory system including coronary heart disease (CHD), heart failure, stroke and peripheral arterial disease. CVD causes more than a quarter of all deaths (160, 000) in the UK each year and there are an estimated 7 million people living with CVD in the UK.

CVD is generally due to reduced blood flow to the heart, brain or part of the body caused by atheroma (fatty deposits) or thrombosis (blood clots) which block the arteries. Having one cardiovascular condition increases the risk of developing another. The assessment and

management of risk and access to prevention and treatment services influences mortality rates and need for care and support.

A number of common risk factors are recognised as increasing the likelihood of developing CVD:

- Fixed factors such as family history, gender, ethnicity and ageing;
- Lifestyle factors such as smoking, obesity, nutrition, lack of physical activity, high alcohol consumption;
- Wider determinants such as deprivation, poverty, poor education and working conditions;
- Physiological metabolic risk factors, which may develop in response to those above, such as high blood pressure (hypertension), diabetes (high blood sugar), and hyperlipidaemia (high blood fats).

There is evidence that interventions at the level of the population at risk, and with individuals, can be effective in changing behaviour; clinical interventions and treatments can be effective in managing the metabolic risk factor<sup>13</sup>s.

## Current position

### Cambridgeshire

CVD causes around 300 deaths every year in people aged under 75 in Cambridgeshire, and we estimate that 190 of these are preventable. This rate is lower than the national average, other than in Fenland.

### Peterborough

Peterborough has significantly high mortality rates for cardiovascular deaths under the age of 75 and for all causes of mortality considered preventable.

The prevalence of CVD rises with age and is also higher in more deprived populations. South Asian populations in the UK are known to have higher rates of premature coronary heart disease (CHD).

The data on prevalence shows that CVD risk factors are relatively high in the younger and more deprived population in Borderline and Peterborough LCGs, who may not be diagnosed with CVD yet, but are at high risk of developing disease and requiring services as they age.

The figure below illustrates the position in Peterborough.

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<sup>13</sup><https://www.peterborough.gov.uk/upload/www.peterborough.gov.uk/healthcare/public-health/CardiovascularDiseaseJSNASummary-October2015.pdf?inline=true>

**Figure 3: Public health outcome framework – health care and premature mortality**

Indicator	Period	England	East of England region	Bedford	Cambridgeshire	Central Bedfordshire	Essex	Hertfordshire	Luton	Norfolk	Peterborough	Southend-on-Sea	Suffolk	Thurrock
4.03 - Mortality rate from causes considered preventable (Persons)	2011-13	163.9	162.8	175.5	149.1	159.7	162.3	151.5	207.2	154.1	215.1	184.5	154.1	183.1
4.03 - Mortality rate from causes considered preventable (Male)	2011-13	233.1	210.8	215.4	196.8	199.1	200.7	194.4	251.1	204.1	283.2	218.1	192.2	232.1
4.03 - Mortality rate from causes considered preventable (Female)	2011-13	100.0	125.4	135.3	112.7	125.3	127.3	126.5	161.2	125.1	150.0	152.1	118.8	138.1
4.04i - Under 75 mortality rate from all cardiovascular diseases (Persons)	2011-13	73.2	69.9	72.3	60.5	62.6	65.7	71.6	110.8	59.5	88.4	84.2	63.8	80.2
4.04i - Under 75 mortality rate from all cardiovascular diseases (Male)	2011-13	109.5	97.8	92.7	84.1	87.0	91.1	105.6	150.8	89.0	134.5	119.0	82.3	134.1
4.04i - Under 75 mortality rate from all cardiovascular diseases (Female)	2011-13	48.5	43.7	54.0	35.5	42.8	41.5	44.4	71.1	45.2	84.1	52.6	30.1	59.2
4.04ii - Under 75 mortality rate from cardiovascular diseases considered preventable (Persons)	2011-13	59.9	45.2	48.0	38.6	43.9	40.9	43.0	79.4	45.4	88.8	81.3	41.5	82.6
4.04ii - Under 75 mortality rate from cardiovascular diseases considered preventable (Male)	2011-13	79.7	67.6	84.4	59.2	59.5	61.1	85.3	113.7	57.8	104.2	75.8	62.3	88.5
4.04ii - Under 75 mortality rate from cardiovascular diseases considered preventable (Female)	2011-13	28.5	24.6	36.2	18.6	28.6	21.7	34.0	46.3	24.1	73.3	33.3	20.3	20.0

Source: Public Health and Outcomes Framework

## Interventions and cost savings to the NHS

### Cardiac Rehabilitation

#### Key Facts

A range of NICE guidelines and quality standards recommend cardiac rehabilitation (CR) for specific cardiac conditions and treatments based on range of research evidence demonstrating the positive outcomes of CR. These include:

- a 26% relative reduction in cardiac mortality over five years
- a reduction in cardiac-related morbidity
- an improvement in functional capacity and quality of life.

#### Current activity

In Cambridgeshire and Peterborough in 14/15:

- 62% of the population eligible for CR are being referred appropriately
- Of in-scope and appropriate referrals, 78% started CR
- Uptake is 48.3%, similar to the uptake for England reported by NACR 2014 (46%)  
Around 66% of patients starting CR complete the programme in-year; this is 31% of the eligible (baseline) population.

Research has also suggested that the delivery of a comprehensive CR service has the potential to reduce unplanned cardiac readmissions by 30%. However, uptake rates remain well below this 65% nationally and locally. The indicative cost of delivering good quality CR is £498 per patient. The Department of health's 'Cardiac Rehabilitation Commissioning Pack' gives the average weighted cost of a cardiac re-admission as £3,637.

### *Potential cost savings*

There has been national work which modelled the potential impact of increasing uptake on unplanned cardiac re-admissions<sup>14</sup> estimating the number and cost of emergency cardiac readmissions reduced by increasing uptake to 65%. It estimated that in the cohort of eligible patients for CR in the East of England the cost of re-admissions was approximately £37m (2009/10), and that with a 65% uptake this would fall by £11.2m. These savings are offset by the cost of this increased uptake which is estimated to be £8.2m. This suggests there is a potential net saving of approximately £3m across the East of England from a 0% uptake baseline. The table below shows the results of this modelling work.

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<sup>14</sup>Making the Case for cardiac rehabilitation: modelling potential impact on readmissions.NHS Improvement. March 2013.

**Table 9: Modelled reduction in cardiac readmissions and associated financial savings**

Table 3: Modelled reduction in cardiac readmissions and associated financial savings as a result of delivering a 'gold standard' CR service to 65% of eligible patients

Region	Cohort of patients eligible for CR	Total numeric reduction in readmissions	Readmission rate with new model	Financial savings from readmissions	Total financial savings from new service including readmission savings
East Midlands	21,710	2,626	24%	£9,549,307	£2,818,121
East of England	26,604	3,093	24%	£11,248,150	£2,999,580
London	28,412	3,769	27%	£13,706,398	£4,897,257
North East	14,304	1,863	27%	£6,776,822	£2,341,867
North West	35,546	4,595	26%	£16,711,288	£5,690,251
South Central	16,256	1,589	20%	£5,779,557	£739,384
South East	19,455	2,102	22%	£7,646,429	£1,614,406
South West	26,451	2,937	23%	£10,681,869	£2,480,736
West Midlands	25,324	3,254	26%	£11,835,162	£3,983,456
Yorkshire and the Humber	24,719	2,954	24%	£10,745,153	£3,081,027
<b>England</b>	<b>238,781</b>	<b>28,782</b>	<b>24%</b>	<b>£104,680,135</b>	<b>£30,646,086</b>

Source: Hospital Episode Statistics, the NHS Information Centre for Health and Social Care. Analysis provided by the National Cancer Services Analysis Team (NatCanSAT) [www.natcansat.nhs.uk](http://www.natcansat.nhs.uk)

Initial local modelling work suggests that patients readmitted (within 365 days) with a diagnosis which was eligible for cardiac rehabilitation cost an average over 2013-2015 of £2.45m a year (non-elective cost only), for an average of 972 patients a year. We do not know which of these patients had already attended cardiac rehabilitation and what proportion would not be suitable. However, a 30% reduction in admission costs in this group would be approximately a £735k saving. Further work is needed to establish the exact savings position locally given that this does not take account of those already receiving cardiac rehabilitation and therefore overestimates the savings, however overall this indicates that cardiac rehabilitation should break even at worst for the NHS.

### Recommendation

There should continue to be a focus on increasing the CR uptake to 65% and number of eligible people who complete a cardiac rehabilitation programme.

## Atrial Fibrillation

### *Key Facts*

- Atrial fibrillation (AF) increases the risk of stroke by about 6 fold, and strokes caused by AF are often more severe with higher mortality and greater disability. Anticoagulation substantially reduces the risk of stroke in people with AF.
- Despite this, AF is underdiagnosed and undertreated. Around 25-30% of people with AF are unaware they have the condition and less than half of patients are adequately treated – many do not receive anticoagulants and of those who do, many are undertreated.
- AF is an important risk factor for stroke and is associated with about 15% of all strokes. Only 30% of people with known AF admitted with a stroke are on anticoagulant treatment at the time of their stroke.
- AF is one of the top 10 reasons for hospital admissions in the UK, and the prevalence of AF roughly doubles with each decade from age 50-59.

### *Current activity*

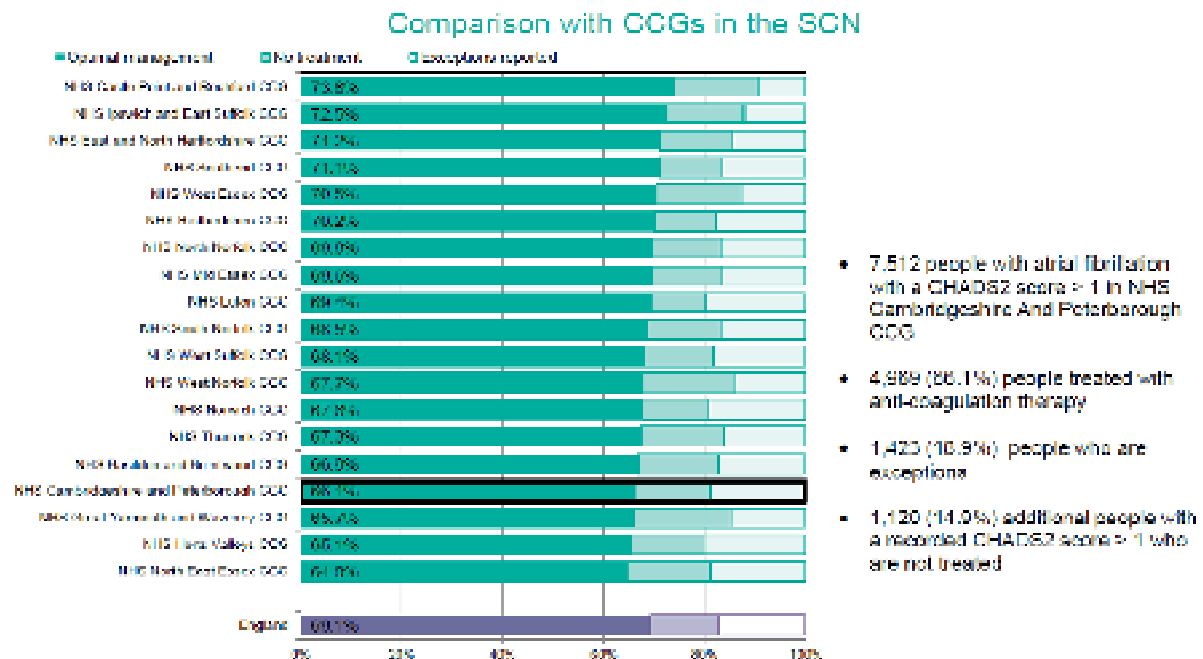
In 2013/14 there were 12,941 people diagnosed with a stroke within Cambridgeshire and Peterborough CCG, with around 7,500 people with undiagnosed atrial fibrillation, known to be one of the significant contributory factors of stroke in patients.

The diagnosed prevalence of AF in the CCG is 1.5% and the estimated prevalence is 2.3%, therefore there is some opportunity to improve diagnosis and management of AF with the expectation of reducing the incidence of stroke in our local population. The figures below benchmark the CCG against other CCGs and illustrate that:

- There are 1,120 people diagnosed with AF who appear to be untreated in Cambridgeshire and Peterborough.
- There were 147 strokes in 14/15 in people with known AF not on anticoagulation.
- The CCG appears to be a low user of GRASP-AF.

**Figure 4: inpatients with AF**

In patients with AF with a CHADS<sub>2</sub> > 1, the percentage treated with anti-coagulation therapy by CCG



Source: CVD Intelligence Pack. PHE March 2015

**Figure 5: AF strokes in CCG**

### AF Strokes In CCG

Source: PHE 2014/15

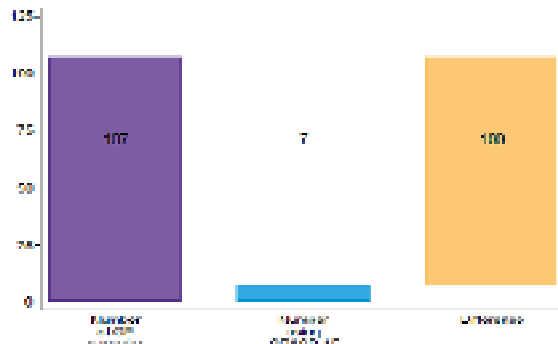
AF is a major risk factor for stroke and a contributing factor to one in five strokes. Treatment with an oral anticoagulant medication (e.g. warfarin) reduces the risk of stroke in someone with AF by two thirds.



**Figure 6: Case finding of AF****Case finding of AF in CCG**

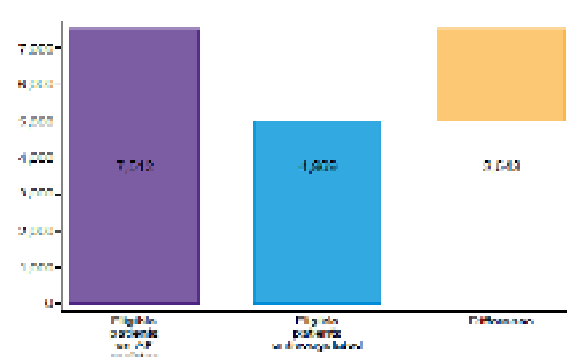
Source: NHS2014/15

GRASP-AF is a free software tool that GP practices can use to help identify and improve the management of patients with AF.

**Number of AF patients anticoagulated in CCG**

Source: NHS2014/15

Nationally 31% of eligible patients do not receive anticoagulation. This includes expected patients, but some practices except for fewer than others.



Source: AF How can we do better? Stroke Association Partnership

**Potential cost savings**

NHS England estimates the cost of increasing the prescription of anti-thrombotics (warfarin) by supporting GPs to identify patients with atrial fibrillation, to be £169k per 100,000 population.

Warfarin tablets are inexpensive. The main costs of anti-coagulation with warfarin relate to the cost of anti-coagulant monitoring. NICE estimates that the total cost of maintaining one patient on warfarin for one year, including monitoring, is £383. The number of patients needed to treat (NNT) for one year to prevent one stroke is approximately 37 for primary prevention and 12 for secondary prevention. NNT for one year for a mixed population comprising primary and secondary prevention patients is 25.

Based on these figures and the cost of one year's anti-coagulant therapy, the cost of preventing one stroke is estimated at £10,000 to £14,000 per annum.

The cost benefits of stroke prevention are more difficult to calculate. The management of patients following a stroke is very expensive for the NHS and Personal Social Services (PSS). The Department of Health estimate that the total costs in the first year of care for treating the 12,500 strokes in England that are attributable to AF to be £148 million. This comprises:

- £103 million of direct hospital costs
- £45 million of additional costs for care requirements post-discharge, such as district nursing, community based rehabilitation and pharmaceuticals prescribed in the community.

The National Audit Office reported in 2005 that stroke care costs the NHS about £2.8 billion a year in direct care costs. This is more than the cost of treating coronary heart disease and



costs the wider economy some £1.8 billion more in lost productivity and disability. In addition, the annual informal care costs (costs of home nursing and care borne by patient's families) are around £2.4 billion.

Based on the above figures, it is estimated that the cost of each stroke due to AF is £11,900 in the first year after stroke. These figures suggest that anti-coagulant treatment of AF is not only cost effective but that it is associated with an overall cost saving when its benefits in stroke prevention are taken into account.

More recent analysis of the acute and long-term costs of a stroke in atrial fibrillation patients (add ref) found that the costs for the three months post stroke on average were £10,413, and annual health care costs after this time were non-significantly smaller than those incurred before the event (£2400 vs. £3356). After stroke 13% of patients were newly admitted into long-term warden, nursing, or residential care, resulting in annual costs of £6880 (averaged across the 136 patients surviving past the acute period).

The work concluded that although annual post-acute phase hospital and primary health-care costs in stroke patients with prior atrial fibrillation were not significantly different to those incurred before the stroke, long-term nursing/residential care costs were substantial<sup>15</sup>.

### **Local Modelling**

We have developed a model to show the costs and savings associated with the CCG increasing its diagnosis rate to the best performing CCG comparator (NHS Somerset) and increasing the proportion of those diagnosed treated with warfarin to NICE recommended levels (46.7% treated with warfarin), including those newly diagnosed. This would result in an additional 1527 people treated with warfarin in Cambridgeshire and Peterborough and 61 strokes avoided over the next two to three years.

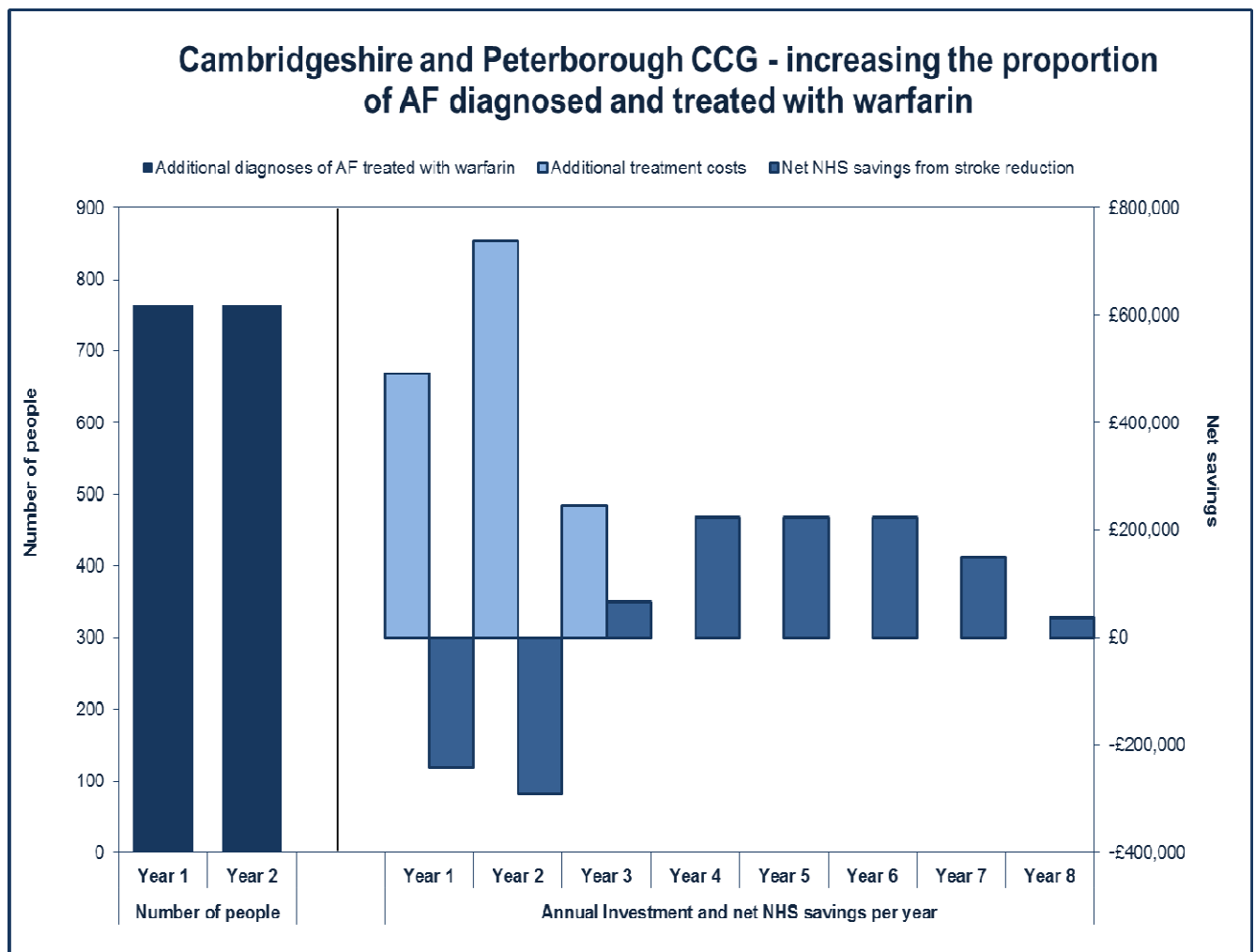
This additional treatment would cost approximately £1.47m including drug, monitoring and adverse event costs, and is estimated to make £389k net NHS savings over the next 2-7 years. There are acute and longer term costs associated with stroke and this is why the savings are over a longer period.

There are additional savings to social care from stroke avoidance. Provisional estimates suggest that social care savings from strokes avoided would result in approximately £753k savings over eight years, with £272k of these within the first three years.

It is important to note that this model only focuses on warfarin treatment, and those patients suitable for warfarin treatment, and excludes treatment with other more expensive drugs for newly diagnosed patients.

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<sup>15</sup> Population-based study of acute- and long-term care costs after stroke in patients with AF. Luengo-Fernandez R1, Yiin GS, Gray AM, Rothwell PM. Int J Stroke. 2013 Jul;8(5):308-14.

**Figure 7: C&PCCG increasing the proportion of AF diagnosed and treated with warfarin**

Sources: PHE NCVIN AF prevalence estimates, March 2015. NICE Costing template - Atrial fibrillation CG180, June 2014. Quality and Outcomes Framework, 2014/15. The Number Needed to Treat (NNT) - <http://www.thennt.com/nnt/warfarin-for-atrial-fibrillation-stroke-prevention/>. NICE Prevention of Cardiovascular Disease Costing Report June 2010.

### Recommendation

- There are opportunities to improve the diagnosis and treatment of Atrial Fibrillation. This is potentially cost saving to the NHS as well as local authorities. Initial modelling suggests that additional treatment of 1527 people would avoid 61 strokes and produce net savings of £389k to the NHS over the next seven to eight years, as well as substantial savings to local authorities.
- Work should focus on increasing the numbers of patients diagnosed and treated for AF with warfarin, and reducing variation between GP practices. Peterborough should be the initial focus of this work.

## Hypertension

### *Key Facts*

In England it is estimated that:

- Hypertension, or high blood pressure, affects more than 1 in 4 adults in England.
- 5 million people have undiagnosed and untreated hypertension
- 40% of people with diagnosed hypertension receive sub-optimal treatment
- Only one in five people whose 10 year CVD risk exceeds 20% receive statins

Hypertension means that blood pressure is consistently higher than the recommended level. If it is not treated, it can lead to heart failure, and/or increases the chance of having a heart attack or stroke.

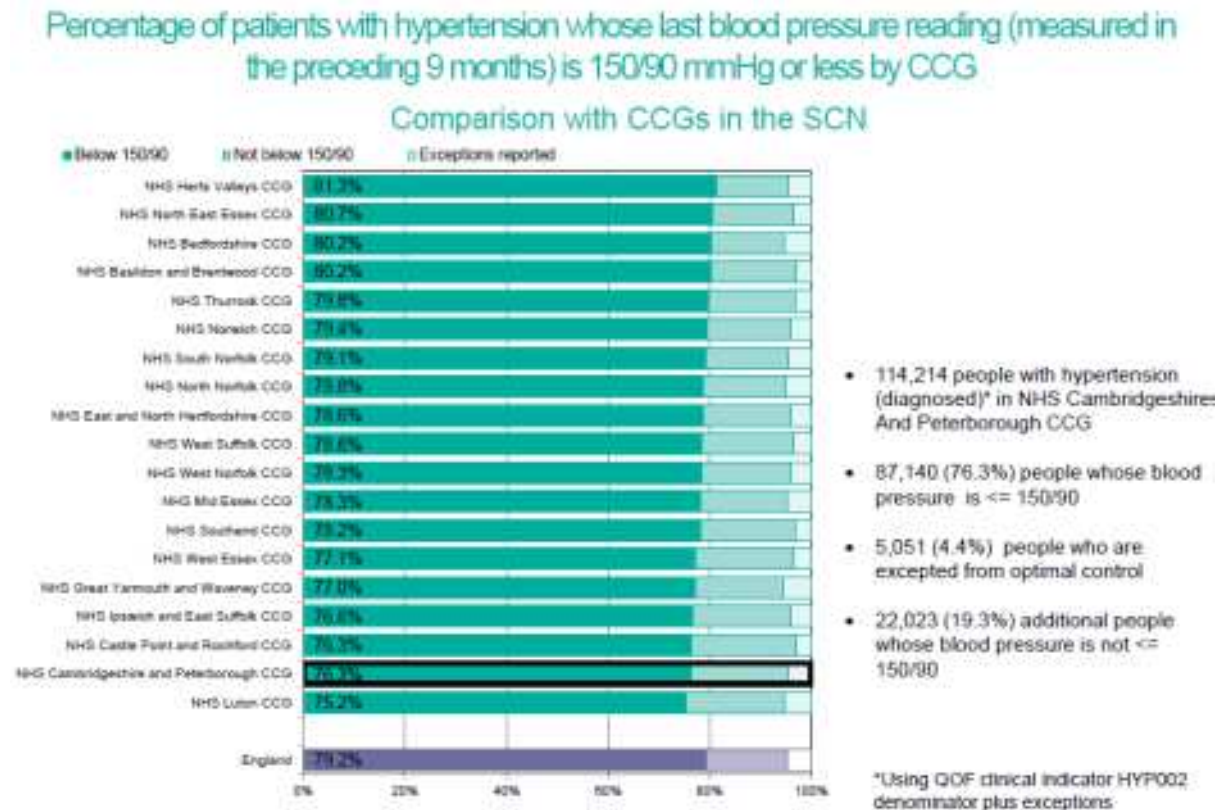
Coronary heart disease (CHD), stroke, vascular dementia (VaD) and chronic kidney disease (CKD) are the main conditions attributable to hypertension. The NHS cost burden resulting from hypertension in England is estimated to be £2.1 billion, looking at these four diseases.

### *Current Activity*

In 2013/14 approximately 55% of people with hypertension were diagnosed in Cambridgeshire and Peterborough, compared to 56% nationally. It is estimated that there are 92,241 people with undiagnosed hypertension in NHS Cambridgeshire and Peterborough CCG. There is considerable variation in GP practice diagnosis of hypertension.

In total, including exceptions, there are 22,023 people (excluding exemptions) whose blood pressure is not  $\leq 150/90$  in Cambridgeshire and Peterborough at their latest blood pressure reading. There is a GP practice range of between 10.2% and 44.9%. If all practices were to achieve as well as the average of the best achieving practices, in terms of treating hypertension, then an additional 6,641 people would have their hypertension controlled.

**Figure 8: Percentage of patients with hypertension whose last blood pressure reading is 150/90 mmHg or less by CCG**



Source: Cardiovascular Intelligence pack March 2015

In 2013/14 there were 889 people with a new diagnosis of hypertension who have been given a CVD risk assessment whose CVD risk exceeds 20%. 125 of these people were not already on statins, or exempted from statins. If all practices were to achieve as well as the average of the best achieving practices, then an additional 195 people would be treated (this is above 125 as it includes exceptions).

### Potential cost savings

Looking at cost effectiveness work on hypertension prevention, there is recent work which demonstrates the potential impact of lifestyle change interventions across the population and within high risk groups.

A cost-effectiveness review of blood pressure interventions (A Report to the Blood Pressure System Leadership Board), finds that models of 'lifestyle interventions' focused on support to change lifestyle behaviour (notably diet, and physical exercise), are potentially cost saving to the NHS at 10 years and over the lifetime horizon. National interventions to reduce salt in food were found to be cost saving at all time horizons, including at one year.

The cost effectiveness findings of the review are summarised below:

Based on commonly accepted thresholds of value for money for health investments, the key findings in relation to cost effectiveness are that:

- The ICERs (see below for definition) for many of the included interventions increase substantially over longer time horizons.
- National interventions to reduce salt in food are cost saving across all time horizons, both in the general adult population and in adults diagnosed with high blood pressure.
- **In the general adult population, health lifestyle changes are potentially cost-effective at 10 years and cost saving over the lifetime time horizon.** Testing is more cost effective in GP and Pharmacy settings rather than in community settings. Education and awareness campaigns are cost effective over a lifetime time horizon.
- **In adults with diagnosed high blood pressure health, lifestyle improvement interventions become cost effective within 5 years, and potentially cost saving within 10 years.** Drug therapy adherence interventions become cost saving over a lifetime but are not cost effective in shorter time horizons. Similarly, self-management support programmes are only cost effective over the lifetime time horizon. Surprisingly primary care management programme interventions (over and above standard care) are not cost-effective at any time horizon. This appears to be due to their high cost in the studies found.
- Sensitivity analysis found that the vast majority of the ICER findings were robust when the costs and benefits were varied.

Source: Cost Effectiveness Review of Blood Pressure Interventions. A report to the Blood Pressure System Leadership Board. November 2014. Optomity Matrix.

ICER: Incremental cost effectiveness ratio - the ratio of the change in costs of a therapeutic intervention (compared to the alternative, such as doing nothing or using the best available alternative treatment) to the change in effects of the intervention.

This paper also modelled three implementation scenarios and found the following:

#### **Implementation scenarios**

Modelling of the impact of three implementation scenarios specified by the BPSLB found that in England, over 10 years:

1. A 5mmHg reduction in average population blood pressure would result in a gain of 45,000 QALYs and 140,000 life years, and a reduction of £800m in health care costs and £60m in social care costs.
2. A 15% increase in the proportion of adults who have had their high blood pressure diagnosed would result in a gain of 7,000 QALYs and 22,000 life years, and a reduction of £112m in health care costs and £11m in social care costs.
3. A 15% increase in the proportion of adults on treatment controlling their blood pressure to 140/90mmHg or less would also result in a gain of 7,000 QALYs and 22,000 life years, and a reduction of £112m in health care costs and £11m in social care costs.

The interventions to achieve health lifestyle changes found to be potentially cost saving at ten years are a mixture interventions (largely from a meta-analysis of 105 trials in 2006) including a mixture of advice and supervised activities, related diet, physical activity, relaxation, alcohol restriction, and salt restriction.

## Local modelling

### Increased diagnosis

Using the NICE costing toolkit it is possible to estimate that improving the proportion of people diagnosed with hypertension by 15% in the population over three years would generate net savings to the NHS of approximately £353k. These are savings from reductions in stroke and CVD events. This model assumes that the increase in 15% activity is spread over three years and that there is only a half year effect for any savings in year one.

**Table 10: Additional diagnosis NHS costs and savings for a 15% increase in diagnosis in Cambridgeshire and Peterborough**

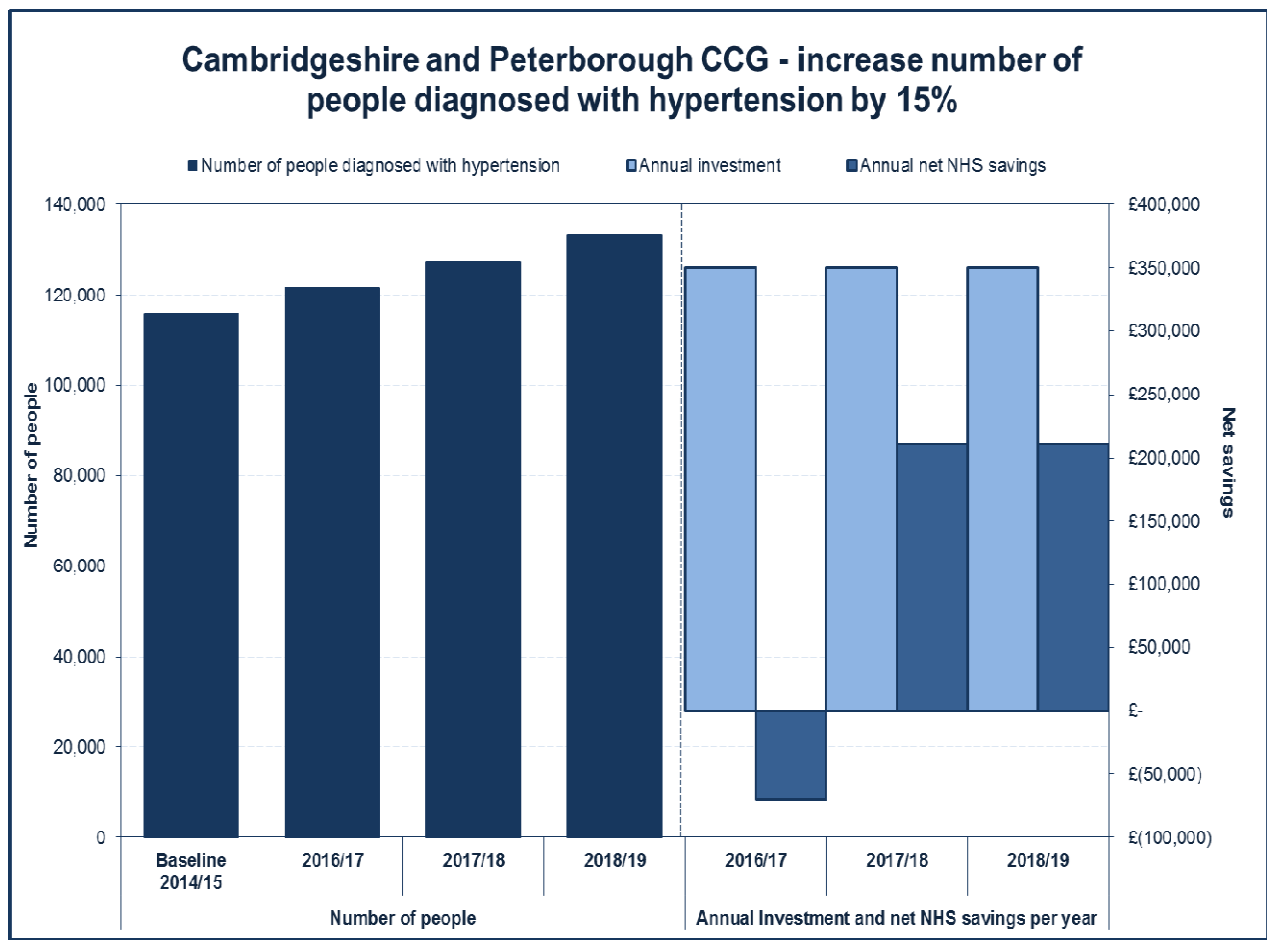
	2013/14	2014/15	15% increase by 2018/19			Total
			2016/17	2017/18	2018/19	
Number diagnosed	114,214	115,748	121,535	127,323	133,110	
Number of additional diagnosed			5,787	5,787	5,787	17,362
Cost at £60.47 per patient per year			£349,964	£349,964	£349,964	£1,049,892
Savings based on avoided strokes and heart attacks		(see below)	£280,530	£561,059	£561,059	£1,402,649
<b>Netsavings</b>			<b>-£69,434</b>	<b>£211,095</b>	<b>£211,095</b>	<b>£352,756</b>

Source: NICE costing templates, and Suffolk County Council Annual Public Health Report 'Is prevention better than cure?' November 2015.

The costs here are made up of an annual GP check up and drugs costs. The costs and savings here are taken from the NICE Atrial fibrillation costing template 2014, and NICE Prevention of Cardiovascular Disease Costing Report June 2010. The table and chart below illustrate these savings in more detail.

It is important to note that when the avoidance costs of social care are also taken into account (as priced by Suffolk County Council) for both improved diagnosis and management, savings are found in the first year with total savings from increasing prevalence and improving management to be over an estimated £1.2m. The timescale for generating the social care element of these savings is not clear from work to date.

**Figure 9: C&PCCG increase number of people diagnosed with hypertension by 15%**



#### *Improved management for those already diagnosed*

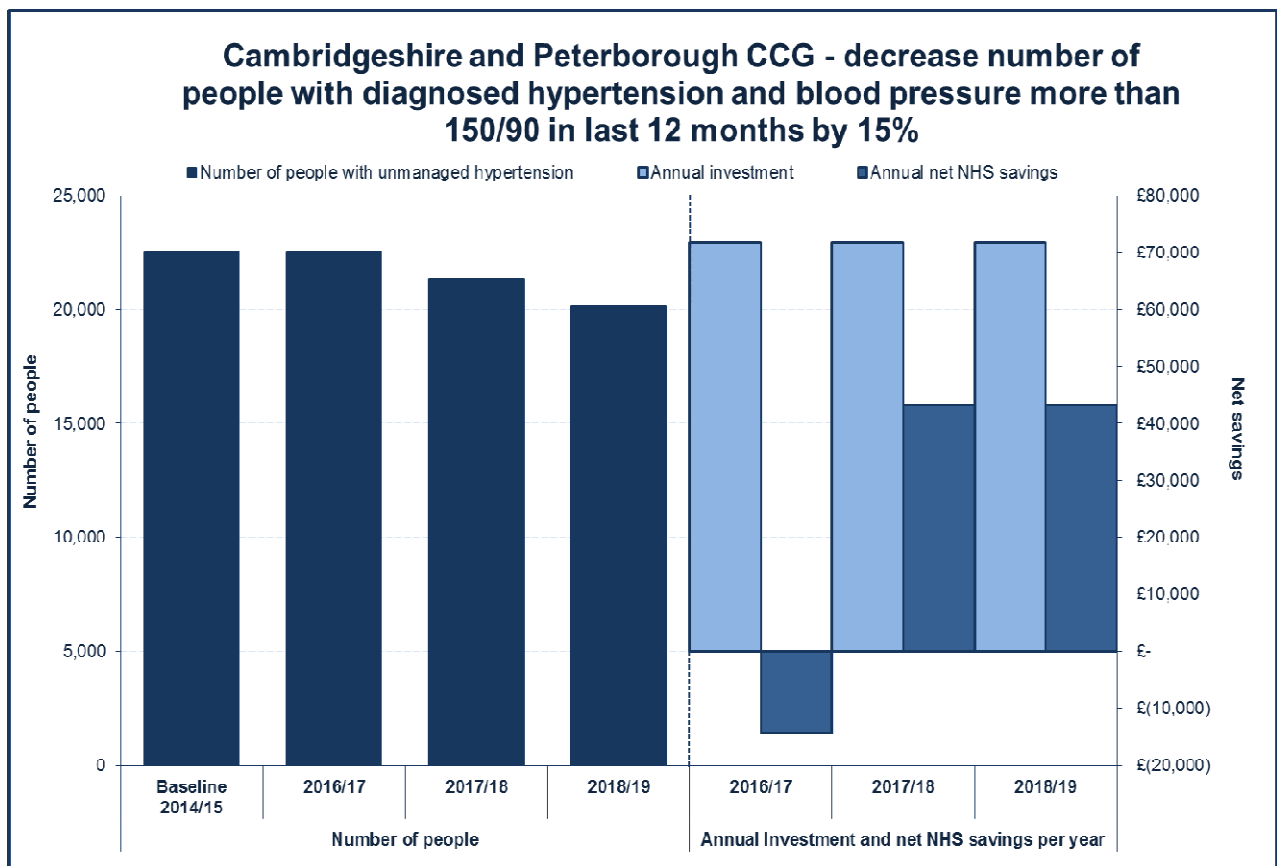
Improved management for 15% of those already diagnosed with hypertension would lead to net NHS savings of approximately £72k. The costs and savings are calculated in the same way as above, and the same assumptions have been made about activity and savings.

**Table 11: savings for improved management for 15% of those already diagnosed with hypertension**

	2013/14	2014/15	15% increase by 2018/19			Total
			2016/17	2017/18	2018/19	
Management of hypertension		23,713	22,527	21,342	20,156	
Increased management			1,186	1,186	1,186	3,557
Cost at £60.47 per patient per year			£71,696	£71,696	£71,717	£215,110
Savings based on avoided strokes and heart attacks			£57,471	£114,943	£114,943	£287,357
<b>Net savings</b>			<b>-£14,225</b>	<b>£43,247</b>	<b>£43,225</b>	<b>£72,247</b>

Source: NICE costing templates, and Suffolk County Council Annual Public Health Report 'Is prevention better than cure?' November 2015.

**Figure 10: C&PCCG decrease number of people with diagnosed hypertension and blood pressure more than 150/90 in last 12 months by 15%**



There are potential savings estimated to be approximately £425k over three years from improving the diagnosis and management of hypertension as described above. This would require a potential investment of up to £1.2m over three years, however a proportion of this work already takes place through the health check.

### Recommendations

- Lifestyle interventions, general population, and focused on those with diagnosed hypertension have been shown to be potentially cost saving at 10 years and over a lifetime horizon.
- Opportunities provided in the health check to diagnose and treat hypertension, including through lifestyle interventions as well as drugs, should be maximised.
- A variety of lifestyle interventions for those diagnosed with hypertension should be available. This would mean an expansion to existing lifestyle services, such as health trainer/coaches.
- Work to increase diagnosis and management of those with hypertension should focus initially on Peterborough and Fenland.

### Work already planned

#### Work to date



The CCG Tackling Health Inequalities in Coronary Heart Disease Programme Work stream priorities for 2015/16 are:

- a) **Lifestyle Management** (including monitoring of the health check programme and smoking cessation programme)
- b) **Primary Care interventions.** Risk reduction in CVD through BP/lipid management.
- c) **Stroke Prevention** through effective management of Atrial Fibrillation.
- d) **Cardiac Rehabilitation** - The Programme Board will continue to have a watching brief on this programme of work until full transfer of the data and reporting to Uniting Care from April 2016. Further work has already been identified for 15/16 on data and reporting, developing a further understanding of referral patterns, reasons for non-referral of eligible patients, up-take and non-completion of the programme also needs to be addressed across providers.

### Where should the strategic focus be?

The evidence suggests that CR, AF diagnosis and management, and hypertension diagnosis, management and prevention are potentially cost saving and there is scope to improve performance locally.

### Recommendations

- There should continue to be a focus on increasing the CR uptake to 65% and number of eligible people who complete a cardiac rehabilitation programme.
- There are opportunities to improve the diagnosis and treatment of Atrial Fibrillation. This is potentially cost saving to the NHS as well as local authorities. Initial modelling suggests that additional treatment of 1527 people would avoid 61 strokes and produce net savings of £389k to the NHS over the next seven to eight years, as well as substantial savings to local authorities.
- Work should focus on increasing the numbers of patients diagnosed and treated for AF with warfarin, and reducing variation between GP practices. Peterborough should be the initial focus of this work.
- Lifestyle interventions, general population, and focused on those with diagnosed hypertension, have been shown to be potentially cost saving at 10 years and over a lifetime horizon.
- Maximising the opportunity provided in the health check to diagnose and treat hypertension, including through lifestyle interventions should be maximised.
- A variety of lifestyle interventions for those diagnosed with hypertension should be available. This would mean an expansion to existing lifestyle services, such as health trainer/coaches. Work to target this group should focus initially on Peterborough and Fenland.



## 6. Long term conditions

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### Headlines

- International evidence finds that psychological interventions for long term conditions can reduce average health care costs in the range of 20-30% across studies.
- Self-management programmes in patients with COPD have been found to reduce all cause hospitalisations by up to 40%.
- A self-management programme should be offered to those diagnosed with COPD. This should be evaluated for its economic impact on health costs.
- Work should also ensure that pulmonary rehabilitation is maximised for COPD patients.
- Routine management of LTCs should include the identification of those requiring further assessment for depression and anxiety early in the pathway. Physical and mental health pathways should be integrated to facilitate this.
- There should be maximum utilisation of the IAPT LTC team, and there should continue to be a focus on rapidly increasing referrals. There should be a focus on those with multiple long term conditions.
- There should be an economic evaluation of the impact on healthcare costs of identification and treatment for common mental health disorders in those with multiple long term conditions.

### Background

#### Long Term Conditions

Long term conditions (LTCs) include any ongoing, long term or recurring condition requiring constant care that can have a significant impact on people's lives, limiting their quality of life<sup>16</sup>. Those with multiple long term conditions are at a higher risk of poor health outcomes. Recent studies have found the prevalence of multi-morbidity (the co-existence of two or more LTCs) varied from 12.9% in participants 18 years and older, to 95.1% in a population aged 65 years and older. The Department of Health estimates that those with multiple LTCs are due to rise from 1.9 million in 2008 to 2.9 million in 2018.

#### Long Term Conditions and Mental Health

Common mental disorders (CMDs), which include depression and anxiety, are highly prevalent with long term conditions. Evidence consistently demonstrates that people with long term physical health conditions (LTCs) are two to three times more likely to experience

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<sup>16</sup>CCC/C&P CCG (2015). Long Term Conditions Across the Life Course JSNA

mental health problems than the general population, with much of the evidence relating to common mental health disorders such as anxiety and depression.

Compared with the general population, people with diabetes, hypertension and coronary artery disease have double the rate of mental health problems, and those with chronic obstructive pulmonary disease, cerebrovascular disease and other chronic conditions have triple the rate. People with two or more long term conditions are seven times more likely to have depression<sup>17</sup>.

The additional impact of mental illness, which can exacerbate physical health problems, is estimated to raise the total health care costs by at least 45% for each person with a long-term condition and co-morbid mental health problem. This would result in 12-18% of all NHS expenditure on long-term conditions being linked to poor mental health (£8-13 billion each year<sup>18</sup>).

## Current position

### Local context

#### Long Term Conditions

Based on national prevalence data applied to the CCG population, 108,700 (18.8%) 18-64 year olds are living with one longstanding illness, a further 56,800 (9.8%) are thought to be living with two or more<sup>19</sup>. Long term conditions are more prevalent in older age groups, and Figure 11 shows the proportion of people with 1 or multiple longstanding illnesses by age group. The proportion of people living with more than one longstanding illness rises with increasing age.

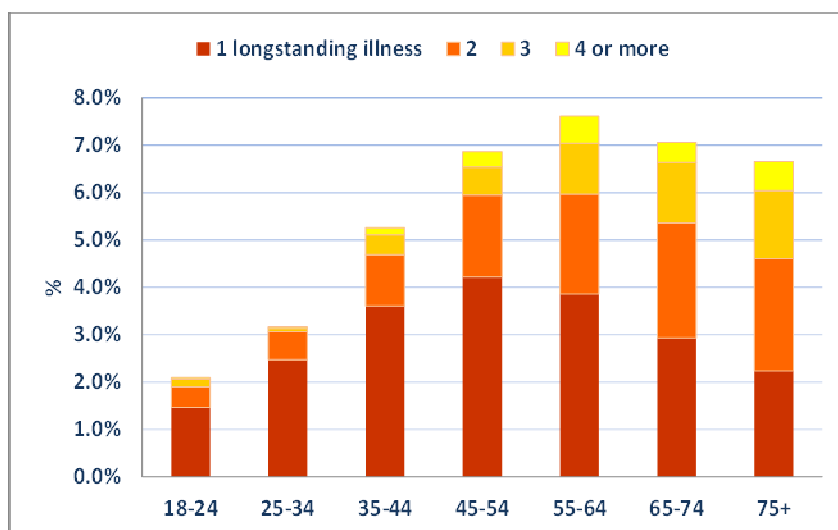
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<sup>17</sup>The King's Fund. (2012) Long-term conditions and mental health: The cost of co-morbidities.

<sup>18</sup>The King's Fund. (2012) Long-term conditions and mental health: The cost of co-morbidities.

<sup>19</sup>Health Survey for England (2012) estimates applied to registered population. FHS Registration System (Exeter) April 2015.

**Figure 11: The proportion of people with one, two, three or four or more longstanding illnesses by age group, Health Survey for England (2012)**



Source: Health Survey for England (2012)

### Long Term Conditions and mental health

Those with LTCs are at a higher risk of developing a mental illness; Table 12 shows the proportion of the CCG population aged 18-64 years that have multiple longstanding illnesses with and without limitation and/or mental ill health. 3.4% (1,900 people) are estimated to have two or more LTCs and mental ill health, whereas 28.4% (16,100 people) are thought to have two or more LTCs, mental ill health and limitation.

**Table 12: Proportion of people aged 18-64 years with multiple (two or more) long standing illnesses with and without limitation and/or mental ill health (based on GHQ-12 score of four or more)**

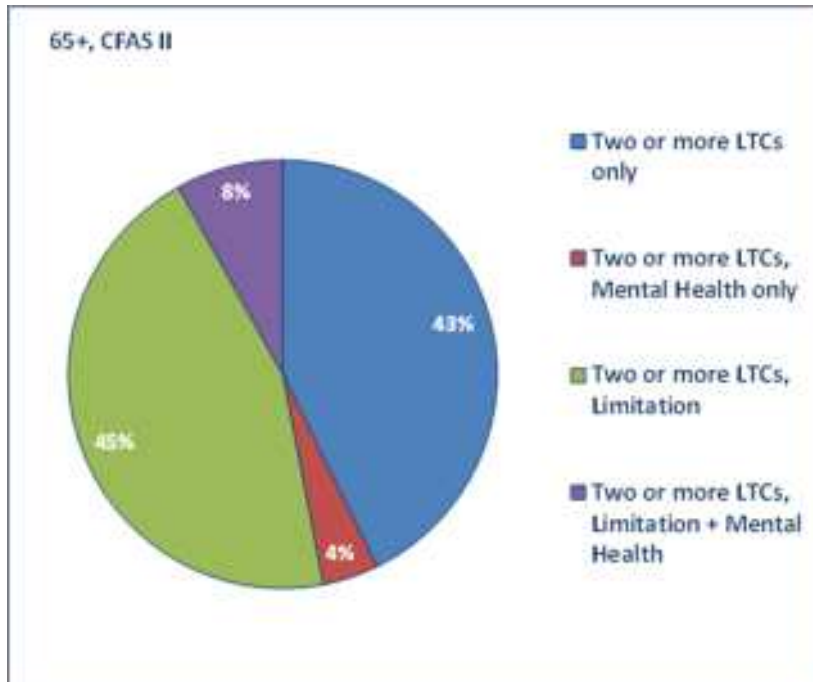
People aged 18-64 years with 2+ LTC	%	95% CI	Estimate of number of people in C&PCCG aged 18-64 years (2015) and range (95% CI)	
Two or more LTCs only	30.7	(26.7 - 34.9)	17,400	(15,200 - 19,800)
Two or more LTCs, mental ill health only	3.4	(2.1 - 5.3)	1,900	(1,200 - 3,000)
Two or more LTCs, limitation	37.6	(33.4 - 42.0)	21,300	(19,000 - 23,800)
Two or more LTCs, limitation + mental ill health	28.4	(24.6 - 32.5)	16,100	(1,400 - 18,400)
Total	100		56,700	

Source: Health Survey for England (2012) estimates applied to registered population. FHS Registration System (Exeter) April 2015.

Figure 12 shows data from a local study for over 65s with two or more LTCs. The data suggests that there are around 38,600 people aged 65 and over with two or more LTCs and limitation, an additional 3,600 people with mental ill health and an additional 6,900 with

multiple LTCs, limitation and mental ill health (dementia, anxiety and depression). In total, it is estimated that 65,800 people aged 65 and over in C&P CCG have two or more LTCs.

**Figure 12: Proportion of people aged 65 and over with multiple (two or more) LTCs with and without limitation and/or depression or anxiety (based on GMS AGECAAT)**



Source: MRC Cognitive Function and Ageing Study (CFAS II) (100% = people with two or more LTCs)

Overall this means that locally there are an estimated 18,000 adults with two or more long term conditions with mental ill health and/or limitation, and a further 10,500 people aged 65 and over in these groups. Prevalence of common mental health disorders is 16% in the adult population, and 10.6% in those aged 65-75 years<sup>20</sup>. Even at the population level of risk 3,993 people (2,880 adults and 1,113 older people) amongst this group will have common mental health disorder. Given that the risk of common mental health disorders in this group is a minimum of two of three times higher than the general population, these figures are likely to be much higher than this estimate.

## Interventions and cost savings to NHS

### Self-Management for Long Term Conditions

There are substantial costs associated with long-term conditions that will vary depending on the setting and condition, for example the total annual cost of COPD to the NHS is over £800 million<sup>21</sup>. COPD is the second most common cause of emergency admissions to hospital and

<sup>20</sup>Psychiatric Morbidity Survey 2010.

<sup>21</sup>NHS Medical Directorate (2012). COPD Commissioning Toolkit A Resource for Commissioners.

one of the most costly inpatient conditions to be treated by the NHS<sup>22</sup>. Asthma is also responsible for large numbers of attendances to Emergency Departments, and admissions, the majority of which are emergency admissions, and 70% of which may have been preventable with appropriate early interventions<sup>23</sup>.

An evidence review was carried out as part of the Long Term Conditions JSNA to consider self-management support interventions, particularly exploring which self-management support interventions may improve health outcomes for those with multiple conditions<sup>24</sup>. The review highlighted that evidence for significant reductions in utilisation following self-management support interventions was strongest for respiratory disorders and cardiovascular disorders. The evidence surrounding cost savings was more limited.

### **Chronic Obstructive Pulmonary Disease (COPD)**

Locally, self-management programmes for COPD have been run as part of a Health Foundation funded programme. The evaluation does not provide detail on the cost-effectiveness or cost savings of this work, and indicates that this is an area for further work.

A Cochrane review has, however, shown that self-management programmes in patients with COPD are associated with improved health-related quality of life and a reduction in respiratory-related and all cause hospital admissions<sup>25</sup>. They looked at a wide range of self-management programmes, and there was considerable heterogeneity of studies within this review. Respiratory-related hospital admissions were 43% less likely in the intervention compared to control groups, and all cause hospitalisations were 40% less likely. Since this Cochrane review, several studies have been published regarding the contents of self-management interventions for patients with COPD, it is now thought education alone is not sufficient to achieve behaviour change<sup>26</sup>.

The use of psychological interventions for those with COPD is being utilised in some areas of the UK. Data from unpublished work shows a respiratory wellbeing clinic in the London Borough of Sutton and Merton using cognitive behavioural therapy, psycho-education and physical health promotion for people with COPD. The service has reported a reduction in depression and anxiety symptoms, improved quality of life and better management of the condition. Cost savings have also been reported that, if applied to high-cost users, could

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<sup>22</sup>Department of Health (2011) An Outcomes Strategy for Chronic Obstructive Pulmonary Disease (COPD) and Asthma in England.

<sup>23</sup>An Outcomes Strategy for COPD and Asthma in England (2011)

[https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/216139/dh\\_128428.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/216139/dh_128428.pdf)

<sup>24</sup>CCC/C&P CCG (2015). Long Term Conditions Across the Life Course JSNA.

<sup>25</sup>The Cochrane Collaboration (2014) Self management for patients with chronic obstructive pulmonary disease (Review).

<sup>26</sup>The Cochrane Collaboration (2014) Self management for patients with chronic obstructive pulmonary disease (Review).

save £5 for every £1 invested in the clinic<sup>27</sup>. This data is not from a published study, therefore should be interpreted with caution.

COPD is costly to the local health care system; around 14,400 people (aged 40 and over) are recorded on disease registers for COPD in general practices across the CCG<sup>28</sup>. Within the CCG, of the 1,660 hospital episodes where COPD was the primary diagnosis, 1,480 (89%) were emergency admissions. Emergency admissions with COPD as primary diagnosis resulted in 9,150 bed days and a cost of £3.6m in 2013/14, and 52% of emergency admissions occur in people aged under75 years.

This suggests there may be a potential reduction in healthcare costs of up to £1.4m by introducing self-management interventions in patients with COPD. The NHS savings would depend on the cost of the intervention put in place.

### **Asthma**

Studies have shown that education or self-management programmes can have a significant impact on hospital admissions for adults with asthma in particular. However, not all studies of self-management demonstrate reduced hospital or A&E department use, and it is as yet unclear as to what the key elements of a self-management intervention for asthma are.

### **Diabetes**

DAFNE and DESMOND are structured education programmes for diabetic management. There is some evidence to suggest that DAFNE may be cost effective and cost saving for type 1 diabetes mellitus, although the evidence is limited and not sufficiently robust to model for the local population.

### **Psychological Interventions for those with Long Term Conditions**

Those with long term conditions are known to be at higher risk of developing a mental illness which contributes to greater costs to the health service. Poor mental health, in the presence of a long term physical health condition, is associated with an approximate 45% increase in service usage costs to the NHS<sup>29</sup>. In terms of type 2 diabetes, £1.8 billion of the cost can be attributed to poor psychological health. Mental health co-morbidity increases physical costs by 50% per diabetes patient.

Robust UK evidence establishing cost savings for psychological interventions and screening for those with long term conditions is not available. However, on the basis of studies undertaken outside of the UK it is evident that savings sufficient to cover the cost of the intervention are likely. From a large US meta-analytical study of psychological interventions for long term conditions, average health care cost savings were found to be in the range of

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<sup>27</sup> Mental Health Network NHS Confederation (2012).Long-term health gains.Briefing Issue 237.

<sup>28</sup> Quality and Outcomes Framework (2013/14).

<sup>29</sup> The King's Fund. (2012) Long-term conditions and mental health: The cost of co-morbidities.



20-30% across studies<sup>30</sup>. Psychological interventions ranged from psycho-education treatments to those categorised as behavioural medicine interventions. Only a small proportion of studies reported that the costs of psychological treatment exceeded the cost savings. Most of the psychological interventions lead to reductions in health care costs, and these reductions were typically large enough to fully cover the costs of the psychological interventions themselves.

A recent local review of the evidence base for the inclusion of mental health interventions in the management of long term physical health conditions (LTC) recommended that:

- The routine clinical management of long term health conditions should include the successful identification of those requiring individual assessment for depression /anxiety. NICE recommend the use of depression identification questions for this purpose and these should be incorporated into the initial patient assessment within pathways of care for long term health conditions.
- Across most of the conditions, evidence supports the beneficial role of psychological interventions, but is inconclusive in determining the most effective intervention for a specified patient group.
- It is recommended that NICE guidance be applied, offering a choice of psychological intervention dependent on patient preference and assessed severity of depression /anxiety.
- Access to commissioned psychological interventions directly from care pathways for long term health conditions should be reviewed to ensure that direct and timely access is available.
- Pulmonary Rehabilitation has been shown as an effective management strategy to improve symptoms of depression/anxiety in those with Chronic Obstructive Pulmonary Disease (COPD). Evidence would support a recommendation that patients diagnosed with COPD should have un-delayed access to a programme of Pulmonary Rehabilitation.
- The use of a multicomponent cardiac rehabilitation programme for those patients with heart failure and post myocardial infarction will improve quality of life. Evidence supports the inclusion of exercise and psychological interventions to improve outcomes for depression and anxiety.

A full list of the review findings are attached at Appendix B.

### Work already planned

#### Current Public Health spend and activity

There is no direct Public Health spend on self-management of long-term conditions or mental health interventions for those specifically with LTCs, however, there is a range of

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<sup>30</sup>Chiles et al. (1999) The Impact of Psychological Interventions on Medical Cost Offset: A Meta-analytic Review. American Psychological Association.

assets available to support self-management, as identified in more detail in the Long Term Conditions JSNA<sup>31</sup>. The CCG commission an IAPT Long Term Conditions Team, and there are currently 4 pulmonary rehabilitation providers across the CCG. The Eastern Region Pulmonary Rehabilitation Network estimates there is a total of 870 places throughout the CCG and that this is 56% of the local target of 1557 places.

### **Self-Management for Long Term Conditions**

There are a range of assets available for supporting self-management in Cambridgeshire including, but not limited to:

- Support groups for specific conditions in the county and regionally e.g. Breathe Easy and Diabetes groups. These groups operate in different ways and provide many different arrays of support.
- A strong and active voluntary and community sector that provide social and practical support in multiple forms.
- Provision of rehabilitation, including pulmonary rehabilitation and cardiac rehabilitation.

### **IAPT Long Term Conditions Team**

Since February 2014, Cambridgeshire and Peterborough NHS Foundation Trust (CPFT) 'Increasing Access to Psychological Therapies' (IAPT) service has included the IAPT Long Term (physical health) conditions team to offer specialist input. The IAPT LTC team includes three high intensity CBT therapists and three psychological wellbeing practitioners, working to address psychological needs in patients with LTCs.

Early service data shows in total, 690 IAPT patients had an LTC recorded against their case from April to October 2014. Of the 690 patients, 575 were seen by CPFT Adult IAPT and 197 were seen specifically by the specialist LTCs team in IAPT.

### **Where should the strategic focus be?**

The evidence suggests that there is a high level of common mental health disorders amongst those with long term conditions, and particularly those with multiple long term conditions.

The evidence to date, which is largely non-UK evidence, finds that psychological interventions can reduce healthcare costs by 20-30%. There is good evidence that rehabilitation programmes such as cardiac rehabilitation and pulmonary rehabilitation which include psychological and physical exercise components can be cost saving.

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<sup>31</sup>CCC/C&P CCG (2015). Long Term Conditions Across the Life Course JSNA. Section 8.4.

Where a common mental health disorder is identified treatment as usual, through psychological therapies, such as IAPT, and drug treatment should be maximised.

### Recommendations

- A self-management programme should be offered to those diagnosed with COPD, this should include psychological interventions and a clear pathway to IAPT. This should be evaluated for its economic impact on health costs.
- Work should also ensure that pulmonary rehabilitation is maximised for COPD patients.
- Routine management of LTCs should include the identification of those requiring further assessment for depression and anxiety early in the pathway. Physical and mental health pathways should be integrated to facilitate this.
- There should be maximum utilisation of the IAPT LTC team, and there should continue to be a focus on rapidly increasing referrals. There should be a focus on those with multiple long term conditions.
- There should be an economic evaluation of the impact on healthcare costs of identification and treatment for common mental health disorders in those with multiple long term conditions.

## 7. Workplace health

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### Headlines

- The potential mental health productivity savings, assuming no current action in this area, amount to nearly £5.7 across the large NHS employers in Cambridgeshire and Peterborough.
- The evidence and modelling is clear that investing in workforce health will generate short term productivity savings to the NHS. These are estimated, with the package modelled here to be approximately £3.9m over three years, with an investment of £335k.
- NHS employers should see considerable productivity savings from investing in workplace health. In particular this needs to focus on improve management and awareness of mental health and illness.

### Background

Workplace health is a significant public health issue. Every year more than a million working people in the UK experience a work-related illness. This leads to around 27 million lost working days, costing the economy an estimate £13.4 billion. Estimates from Public Health England put the cost to the NHS of staff absence due to poor health at £2.4bn a year – accounting for around £1 in every £40 of the total budget. This figure is before the cost of agency staff to fill in gaps, as well as the cost of treatment, is taken into account.

There are a number of large NHS employers in Cambridgeshire and Peterborough:

- Cambridge University Hospitals NHS Foundation Trust
- Peterborough and Stamford Hospitals Trust
- Cambridgeshire and Peterborough NHS Foundation Trust
- Cambridgeshire Community Services NHS Trust
- Papworth Hospital
- Hinchingbrooke Health Care NHS Trust

As of June 2015, in total these organisations employed 22,738 people<sup>32</sup>.

There is a high level of evidence that workplace initiatives can improve people's health and wellbeing, and deliver cost savings. NICE has developed and issued a series of guidance documents on workplace health and in September 2015, Simon Stevens, Chief Executive of NHS England announced the launch of a programme to improve the health of the NHS workforce.

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<sup>32</sup>Health and Social Care Information Centre - <http://www.hscic.gov.uk/>

“Health-promoting workplaces are obviously good for millions of employees and ultimately for taxpayers too, so the time is right for all employers – including the NHS – to raise our game.”

**Simon Stevens, Chief Executive of NHS England**

### Current position

The table below shows the number of people employed in each of the main NHS employers in Cambridgeshire and Peterborough, as of June 2015.

**Table 13 – Headcount of NHS employees by NHS organisation, as of June 2015**

NHS employer	Abbreviation	Headcount as of June 2015
Cambridge University Hospitals NHS Foundation Trust	CUHFT	9,509
Peterborough and Stamford Hospitals Trust	PSHFT	4,021
Cambridgeshire and Peterborough NHS Foundation Trust	CPFT	3,665
Cambridgeshire Community Services NHS Trust	CCS	1,955
Papworth Hospital	Papworth	1,899
Hinchingbrooke Health Care NHS Trust	Hinchingbrooke	1,689
<b>TOTAL</b>	<b>-</b>	<b>22,738</b>

Source: Health and Social Care Information Centre

Table 14 shows the average absence rate by organisation, as well as the estimated prevalence rates for smoking, excess weight, obesity, physical inactivity, alcohol, not eating five a day and mental illness.

**Table 14: average absence rate by organisation, with estimated prevalence**

Trust	Headcount	Absence % Average 12 months (Jun14 - May 15)	Estimated number						
			Smoking	Excess weight	Obese	Inactive	Higher risk drinking	Estimated not eating 5 a day (CCG level)	Mental illness
CUHFT	9,509	3.0%	1,284	6,181	2,054	2,339	2,273	6,514	1,540
CPFT	3,665	4.5%	556	2,386	813	957	851	2,511	594
Hinchingbrooke	1,689	3.8%	256	1,100	375	441	392	1,157	274
PSHFT	4,021	3.9%	836	2,634	969	1,255	844	2,754	651
CCS	1,955	4.7%	297	1,273	434	511	454	1,339	317
Papworth	1,899	3.6%	288	1,237	421	496	441	1,301	308
<b>Total</b>	<b>22,738</b>		<b>3,518</b>	<b>14,810</b>	<b>5,065</b>	<b>5,999</b>	<b>5,256</b>	<b>15,576</b>	<b>3,684</b>

### Interventions and cost savings to NHS

#### Mental health interventions

There is strong evidence that mental health interventions in the workplace can improve people’s wellbeing and there is potential to deliver cost savings.

The NICE business case tool for promoting mental wellbeing at work estimated that mental ill health costs UK employers almost £1 million per year. For an organisation with 1000 employees, the annual cost of mental ill health was estimated to be more than £835,000. Identifying problems early – or preventing them in the first place, could result in cost savings, largely as a result of reduced absenteeism, of 30%. This is equivalent to cost savings of more than £250,000 per year.

Knapp (2011)<sup>33</sup> looked at a workplace-based enhanced depression care intervention consisting of the completion by employees of a screening questionnaire, followed by care management for those found to be suffering from, or at risk of developing depression and/or anxiety disorders. Using a model based on a white collar organisation of 500 employees, this found that in year 2 there is a cost saving of £63,578. This figure incorporates health and social care costs, absenteeism and presenteeism, and productivity losses.

### Weight management and physical activity

In 2010, 26% of adults in England were obese. On average, obese people take 4 extra sick days per year<sup>34</sup>. In an organisation of 1000 employees who work the national average week of 39.1 hours<sup>35</sup> and are paid the national average hourly wage of £15.52<sup>36</sup>, this equates to more than £126,000 a year in lost productivity.

Physical activity counselling and activity programmes are modelled in two ways: disease-specific cost effective evidence, and cost savings are based on the absenteeism model. York Health Economics has identified a study that modelled a 20% to 25% level of improvement in physical activity as cost saving for the employer at 1 year (absenteeism only)<sup>37</sup>.

### Smoking

NICE advice suggests reducing levels of smoking among workers will help reduce cardiorespiratory diseases, which is one of the largest causes of sickness absence. Some evidence suggests that, on average, a person who smokes will have 33 more hours off sick per year than a non-smoker<sup>38</sup>. For an organisation of 1000, in which 25% smoke and are paid the national average hourly wage of £15.52, this absence equates to a loss of more than £128,000 a year.

There is a high quality, high ranking evidence that stop smoking services are cost effective, good value for money and have a good return on investment.

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<sup>33</sup> Knapp, 2011: Mental health promotion and mental illness prevention: The economic case. [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/215626/dh\\_126386.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/215626/dh_126386.pdf)

<sup>34</sup> Obesity and sickness absence: results from the CHAP study.

<sup>35</sup> 2011 annual survey of hours and earnings.

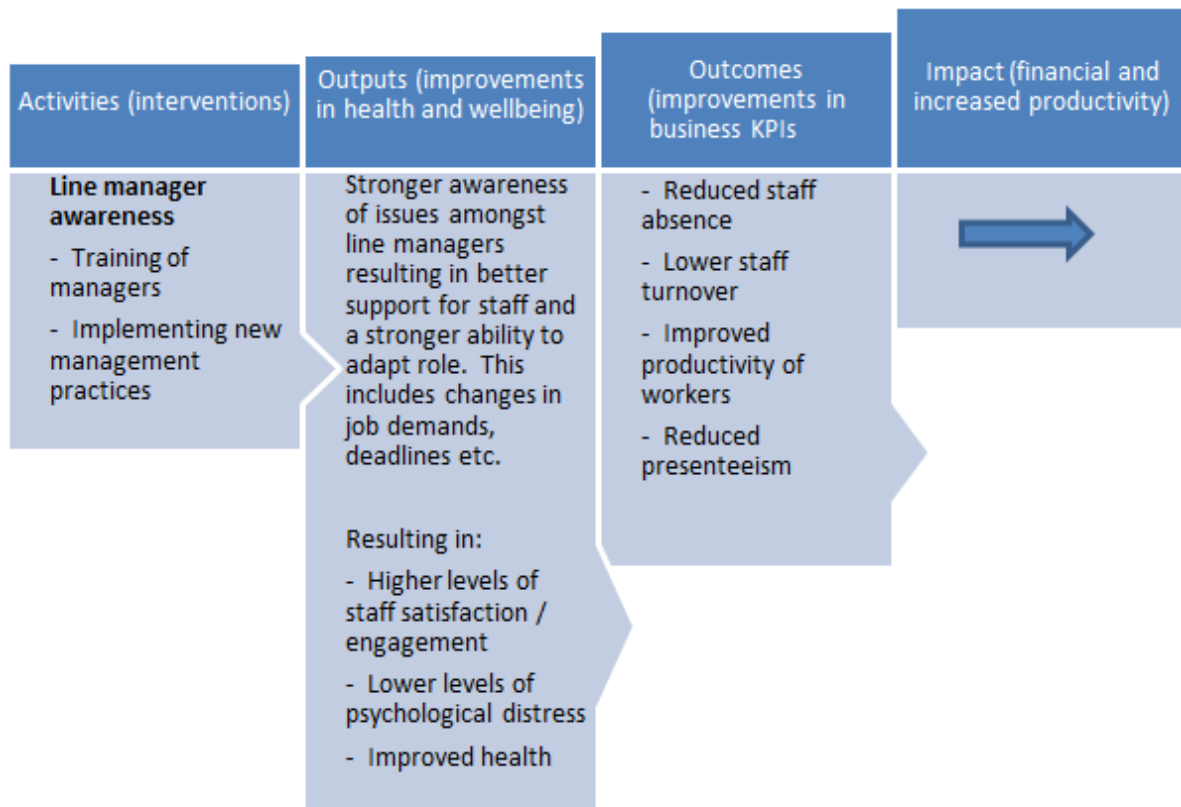
<sup>36</sup> NICE business case tool for workplace interventions to promote smoking cessation.

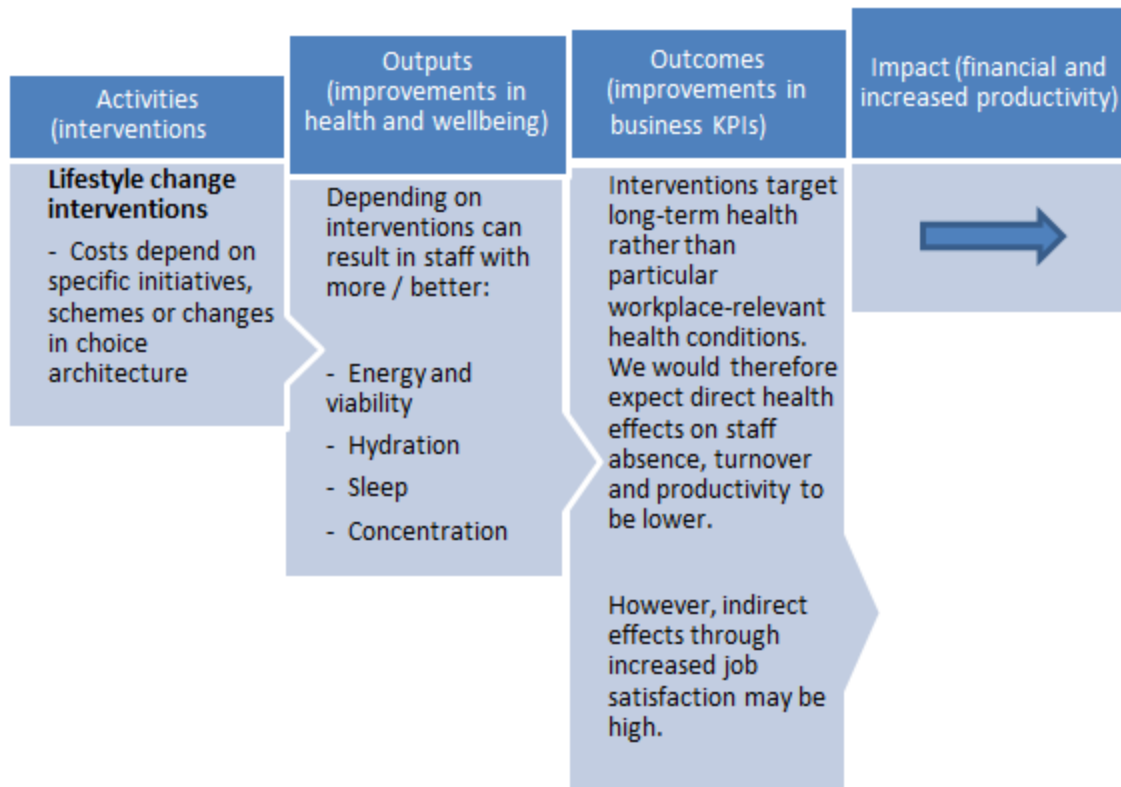
<sup>37</sup> An Economic Analysis of Workplace Interventions that Promote Physical Activity, 2008 - <https://www.nice.org.uk/guidance/ph13/evidence/economic-modelling-report-369939277>

<sup>38</sup> NICE business case tool for workplace interventions to promote smoking cessation.

Figure 13 below, produced by the Work Foundation in 2014, illustrates the outputs and outcomes of broad interventions such as lifestyle change and line manager awareness of mental health.

**Figure 13 – Change diagram illustrating outputs and outcomes of interventions to improve line manager awareness and lifestyle change programmes**





### Current public health spend and activity

In Cambridgeshire, annual public health spend on general workplace health in the population is £45,000.

Peterborough carried over a small reserve, £90,000 of which is committed in principle for a workplace health programme over the next two years.

### Interventions and cost savings to the NHS

Information in this section sets out the costs and potential savings for potential interventions in the workplace. It should be noted, however that the savings figures presented in this section are based on the assumption that organisations do not currently deliver preventative interventions. This may not be the case, as it is possible organisations already invest in similar initiatives via occupational health departments. The information presented below also does not take into account the potential impact of increasing stress levels in the workplace. **All the figures below are provisional.**

Table 15 shows the estimated productivity loss for mental ill health, obesity and smoking to each of the main local NHS employers and, the potential savings related to mental health. It is only possible to calculate these robustly for mental health. Broad potential savings are given for smoking and obesity above. The potential mental health productivity savings,



assuming no current action in this area, amount to nearly £5.7 across the large NHS employers in Cambridgeshire and Peterborough.

**Table 15: estimated productivity loss for mental ill health, obesity and smoking**

Productivity costs	Costs / Loss of productivity			Potential savings
	Mental Ill Health	Obesity	Smoking	Mental Ill Health
CUHFT	£7,940,015	£995,373	£657,262	£2,382,005
CPFT	£3,060,275	£383,641	£253,325	£918,083
Hinchingbrooke	£1,410,315	£176,799	£116,744	£423,095
PSHFT	£3,357,535	£420,906	£277,932	£1,007,261
CCS	£1,632,425	£204,643	£135,130	£489,728
Papworth	£1,585,665	£198,781	£131,259	£475,700
Total	£18,986,230	£2,380,144	£1,571,651	£5,695,869

### Mental health

Based on our local experience, and the evidence base, we have put together a suggested mental health intervention package. The package would include:

- Mental Health First Aid Lite Training (a cost of £450 per 25 people). This is an evidence based package that raises awareness of mental health and illness.
- Health Champions (training costs £1000 per day for 20 people). A Health Champion is a volunteer who acts as a point of contact and health promoter within the organisation. They are trained to have a basic understanding of the principles of health and wellbeing and how best to promote them with their colleagues. There would also be a health champions' peer support network.
- ACAS training for managers. This is to enable managers to support people with a long term condition (including mental health) to make a successful return to work and manage their condition within their working lives. Training costs £1000 per day for 12 people and the figures below are based on 25 people being trained for every 500 employees.

### Physical activity

The package also includes physical activity interventions. Physical activity has been shown to improve productivity and the savings from a programme to increase physical activity by 10% in the inactive are estimated below. This assumes there are no current interventions in place to address this inactive proportion.

The ROI tool classes a brief intervention as 'verbal advice, discussion, negotiation or encouragement with or without written or other support or follow up. It could be opportunistic and can take between 1-20 minutes'.

**Table 16: Estimated savings from a programme to increase physical activity by 10% in the inactive**

Trust	Number of targetted people	Cost (@ £9.92 per person)	Productivity savings			Net productivity savings		
			2 year	5 year	10 year	2 year	5 year	10 year
CUHFT	234	£2,321	£31,496	£76,693	£137,002	£29,175	£74,372	£134,681
CPFT	96	£950	£12,140	£28,789	£52,804	£11,190	£27,839	£51,854
Hinchingbrooke	44	£438	£5,595	£13,267	£24,335	£5,157	£12,829	£23,897
PSHFT	125	£1,245	£13,319	£31,585	£57,933	£12,074	£30,340	£56,688
CCS	51	£507	£6,476	£15,357	£28,167	£5,969	£14,850	£27,660
Papworth	50	£492	£6,290	£14,917	£27,360	£5,798	£14,424	£26,868
Total	600	£5,951	£75,314	£178,608	£327,599	£69,363	£172,657	£321,648

### Weight management

The table below estimates the number of obese people in each organisation. It makes a number of assumptions about the proportion who might wish to attend weight management services. The costs here reflect a combination of group weight management as well as one to one health trainer costs.

**Table 17: Estimated number of obese people in each organisation**

Trust	Estimated number of obese people	Estimated cost of weight management Tier 1-2 service
CUHFT	2054	£41,079
CPFT	813	£16,254
Hinchingbrooke	375	£7,491
PSHFT	969	£19,381
CCS	434	£8,670
Papworth	421	£8,422
Total	5065	£101,298

The table below provides a summary of the costs and savings to the NHS of implementing a workforce health programme.

There are a number of key assumptions behind this table:

- That there is no current activity in these areas.
- That savings are spread over three years with 20% of savings in year 1, and remaining savings split between years 2 and 3.
- That physical activity is increased by 10% in the inactive.

**Table 18: summary costs/savings of workforce health programme**

		Investment				Net NHS savings based on Mental Health savings and productivity savings from increased physical activity			
NHS Trust	Training	2016/17	2017/18	2018/19	Total	2016/17	2017/18	2018/19	Total
Cambridge United Foundation Trust	Mental Health First Aid Lite	£11,411	£11,411	£11,411	£34,232	£115,483	£762,354	£762,354	£1,640,192
	Health champions	£7,924	£7,924	£7,924	£23,773				
	ACAS	£13,207	£13,207	£13,207	£39,621				
	Weight management	£13,693	£13,693	£13,693	£41,079				
	Total cost	£46,235	£46,235	£46,235	£138,705				
Cambridgeshire and Peterborough Foundation Trust	Mental Health First Aid Lite	£4,398	£4,398	£4,398	£13,194	£44,364	£311,622	£311,622	£667,609
	Health champions	£3,054	£3,054	£3,054	£9,163				
	ACAS	£5,090	£5,090	£5,090	£15,271				
	Weight management	£5,418	£5,418	£5,418	£16,254				
	Total cost	£17,961	£17,961	£17,961	£53,882				
Hinchingbrooke	Mental Health First Aid Lite	£2,027	£2,027	£2,027	£6,080	£20,445	£143,610	£143,610	£307,665
	Health champions	£1,408	£1,408	£1,408	£4,223				
	ACAS	£2,346	£2,346	£2,346	£7,038				
	Weight management	£2,497	£2,497	£2,497	£7,491				
	Total cost	£8,277	£8,277	£8,277	£24,831				
Peterborough and Stamford Foundation Trust	Mental Health First Aid Lite	£4,825	£4,825	£4,825	£14,476	£48,137	£341,790	£341,790	£731,718
	Health champions	£3,351	£3,351	£3,351	£10,053				
	ACAS	£5,585	£5,585	£5,585	£16,754				
	Weight management	£6,460	£6,460	£6,460	£19,381				
	Total cost	£20,221	£20,221	£20,221	£60,663				
Cambridgeshire Community Services	Mental Health First Aid Lite	£2,346	£2,346	£2,346	£7,038	£23,665	£166,227	£166,227	£356,119
	Health champions	£1,629	£1,629	£1,629	£4,888				
	ACAS	£2,715	£2,715	£2,715	£8,146				
	Weight management	£2,890	£2,890	£2,890	£8,670				
	Total cost	£9,581	£9,581	£9,581	£28,742				
Papworth	Mental Health First Aid Lite	£2,279	£2,279	£2,279	£6,836	£22,987	£161,465	£161,465	£345,918
	Health champions	£1,583	£1,583	£1,583	£4,748				
	ACAS	£2,638	£2,638	£2,638	£7,913				
	Weight management	£2,807	£2,807	£2,807	£8,422				
	Total cost	£9,306	£9,306	£9,306	£27,918				
Total	Mental Health First Aid Lite	£27,286	£27,286	£27,286	£81,857	£163,500	£1,887,070	£1,887,070	£3,937,640
	Health champions	£18,948	£18,948	£18,948	£56,845				
	ACAS	£31,581	£31,581	£31,581	£94,742				
	Weight management	£33,766	£33,766	£33,766	£101,298				
	Total cost	£111,580	£111,580	£111,580	£334,741				

### Work already planned

The Cambridgeshire and Peterborough Public Health Reference Group has already identified workplace interventions as a priority area, with a number of projects and programmes outlined in the group's action plan for the next six months, which is currently being refined.

The plan includes the offer of a package of interventions as part of a Workplace Programme for Local Authorities over two years. It will include policy development, leadership and capacity development, direct provision, and network facilitation. Although the programme will promote diet and physical activity it will also offer obesity, mental health, smoking and alcohol related initiatives as part of an holistic workplace programme. It will also include the development of individual workplace champions and a peer support network. This is also the type of model which is we have used to estimate costs here.

The package of interventions suggested by the Public Health Reference Group is broadly in line with those outlined in the NHS England workplace programme.

### Where should the strategic focus be?

The evidence and modelling is clear that investing in workforce health will generate short term productivity savings to the NHS. These are estimated, with the package modelled here to be approximately £3.9m over three years.

### Recommendations

- NHS employers should see considerable productivity savings from investing in workplace health. In particular this needs to focus on improve management and awareness of mental health and illness.

## 8. Smoking

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### Headlines

- There are an estimated 105,548 people across Cambridgeshire and Peterborough who smoke. There is a high quality, high ranking evidence that stop smoking services are cost effective, are good value for money and provide a good return on investment.
- Sub-national programme work, such as tobacco control, is critical to ensuring savings to the NHS. Nationally and locally we should continue to invest in this.
- We should maximise our prevention opportunities and increase the number of people setting a quit date through stop smoking services (adults, older people and pregnant women) in Cambridgeshire by 5%, and in Peterborough to the Cambridgeshire average.
- An additional investment of £346k, only £175k of which is new investment, is needed to generate a saving over £356k over the next two years.
- There are additional savings to the NHS to be made from stopping people smoking before operations, and this group should be a target population.

### Background

Smoking is still one of the most important causes of preventable ill health and early death in the UK. A recent study found that in the UK out of 40% of the potentially preventable NHS workload, 10% was attributable to smoking. This was the highest contributing factor along with sub-optimal diet<sup>39</sup>. Additionally we know that high numbers of hospital admissions are caused by smoking related conditions.

### Local context

In Cambridgeshire, around 16% of adults are estimated to smoke. Although this is below the national average of 18%, it represents around 79,000 smokers across the county. There are approximately 27,000 smokers in Peterborough.

The prevalence of smoking in Cambridgeshire has fallen, as it has nationally. Rates are consistently higher though in Fenland, compared to the other districts, and up until 2012 were increasing, although more recent data suggests a fall in 2013 and 2014.

Smoking is more common among people working in routine or manual professions. 27% of these workers are estimated to smoke in the county, similar to the national average of 29%.

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<sup>39</sup> PHE Lancet Changes in health in England, with analysis by English regions and areas of deprivation, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. September 15, 2015 [http://dx.doi.org/10.1016/S0140-6736\(15\)00195-6](http://dx.doi.org/10.1016/S0140-6736(15)00195-6)

Data suggests smoking rates have been higher in this group in Fenland and East Cambridgeshire. In Peterborough, 35% of routine and manual workers smoke.

Data from GP practices across the county also show us that smoking prevalence is strongly linked to levels of deprivation. Practices serving more deprived areas, regardless of district, tend to have higher rates of smoking. There is also a strong relationship between smoking and people living with mental health problems. People with mental health conditions are twice as likely to be smokers.

Smoking is a major risk factor for many diseases, such as lung cancer and many other cancers, chronic obstructive pulmonary disease and heart disease. Over 200 people in Peterborough die due to smoking every year, including 45 people from lung cancer.

## Current position

### What is the scale of the problem?

The data in Table 19 shows the estimated prevalence of smoking amongst adults (aged 18 years and above) in Cambridgeshire and Peterborough between 2010 and 2014, compared to the average for England.

The red, amber and green status indicates whether local prevalence is statistically significantly higher, similar or lower than the average for England.

**Table 19 – Estimated smoking prevalence in Cambridgeshire and Peterborough**

Year	ENGLAND	CAMBRIDGESHIRE		PETERBOROUGH	
	Estimated prevalence	Estimated prevalence	95% CI	Estimated prevalence	95% CI
2010	20.8	19.0	17.4 to 20.6	25.2	23.0 to 27.4
2011	20.2	19.2	17.3 to 21.0	24.3	22.0 to 26.7
2012	19.5	17.9	15.8 to 19.9	21.1	18.7 to 23.4
2013	18.4	13.5	11.7 to 15.3	20.8	18.6 to 23.1
2014	18.0	15.5	13.5 to 17.4	18.6	16.4 to 20.8

Source: Public Health England Public Health Outcomes Framework (using data from the Integrated Household Survey)

Statistical significance compared with the England average:

Lower
Similar
Higher

CI = confidence interval: a range of values so defined that there is a specified probability that the value of a parameter lies within it.

For 2014, these prevalence rates equate to the following estimated numbers of smokers of:

- Cambridgeshire - 78,791
- Peterborough - 26,757

There are high smoking in pregnancy rates in Peterborough. In 2014, the most recent data showed that 18% of mothers were smokers at the time of delivery in Peterborough compared to 13% in Cambridgeshire and in England as a whole<sup>40</sup>.

A local survey undertaken by over 8,500 Year 8 and Year 10 pupils in Cambridgeshire every two years found that in 2014, 1% of Year 8 and 7% of Year 10 pupils reported that they smoked regularly, with around half wishing to give up. Prevalence is higher in girls than boys, in children in care and in children in single parent families. One out of ten young people in Peterborough are regular smokers by the age of 15, and two out of three smokers began smoking before they were 18.

The proportion of Year 10 children in Cambridgeshire who reported never having smoked, however, has increased from 54% in 2008 to 65% in 2014 and positive trends are seen across the districts.

### Future smoking prevalence

It is difficult to predict the future behaviour of smokers given new innovations such as e-cigarettes and their unknown effect on smoking behaviours. The current trend nationally is a reduction in smoking prevalence; however the pace of this reduction is likely to slow as the smoking population contracts to include mostly determined smokers. GP practices and community pharmacies report continued difficulty with recruiting smokers to make quit attempts.

We have seen a fall, which is reflected nationally, in the number of people setting a four week quit date, and the number of four week quitters. There were 1,805 less four week quitters in 2014/15 compared to 2012/13 across Cambridgeshire and Peterborough. The number setting a quit date in 2014/15 is projected to be lower than the previous two years. This is particularly the case in Peterborough, where the number setting a quit date is projected to be 850 by the end of 2015/16 compared to 1,213 in 2014/15. This is in part due to a reduction in specialist stop smoking provision, as well as the impact of e-cigarettes.

### Current public health spend

In Cambridgeshire, annual public health spend on smoking and tobacco control is £1,167,000. In Peterborough, spend per head on smoking and tobacco control is £1.84 per head, compared with a national average of £3.36 and an average for Peterborough's deprivation decile of £3.38. Despite this the number of people who set a quit date and go on to quit in Peterborough is above the Cambridgeshire rate.

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<sup>40</sup>Public Health Outcomes Framework, available at <http://www.phoutcomes.info>. Accessed 10/04/15

## Interventions and cost savings to the NHS

There is a high quality, high ranking evidence that stop smoking services are cost effective, and provide a good return on investment. As well as savings to the NHS, there are also wider savings to social care through reduced disability resulting in lower social care need in later life. These are outlined in multiple NICE guidance documents.

We have used the NICE smoking return on investment tool to estimate the savings to the NHS from the current programme, and to estimate what an increase in activity would generate in savings. Population level work (sub-national work on tobacco control) is the most cost effective of all interventions and this is also reflected in the modelling below.

### Cambridgeshire

For Cambridgeshire we have modelled the impact of increasing local stop smoking service uptake up 5% from 2014/15, as well as continuing to invest in the sub-national programme which focuses on tobacco control and other prevention initiatives.

The figure and table below show that an investment of £157k a year generates a net saving (above this cost) of £161k. It is important to note that £136k of this investment is already invested, and remains part of the local authority budget, and therefore the actual new investment needed is approximately £22k. The mix of sub-national programme work as well as specialist stop smoking work is critical to generate savings for the NHS. The impact of specialist stop smoking work is not estimated by the tool to generate savings until year 5, but the investment in the sub-national programme generates the early savings. It is therefore critical that local authority investment levels in sub-national work remain at this level to generate NHS savings. We have only modelled two year savings as there is a fast changing smoking pattern and the tool allows for a calculation of two years of isolated NHS savings.

To increase smoking uptake we plan to focus on groups within the population with higher prevalence levels, such as those with serious mental illness and also those people about to have an operation. There is high quality, high ranking evidence that stopping smoking prior to an operation can reduce the risks associated with surgery. There is also evidence that short term costs, such as length of stay can be reduced.

Some studies have found that stopping smoking before an operation can reduce operative and post-operative hospital costs. Extrapolating one such study on hip and knee replacement surgery we found a short-term cost-benefit per patient can be estimated as £65 per patient undergoing intervention (not per patient quitting) in Cambridgeshire and Peterborough. This would be in addition to any savings estimate through the NICE ROI tool modelling below.

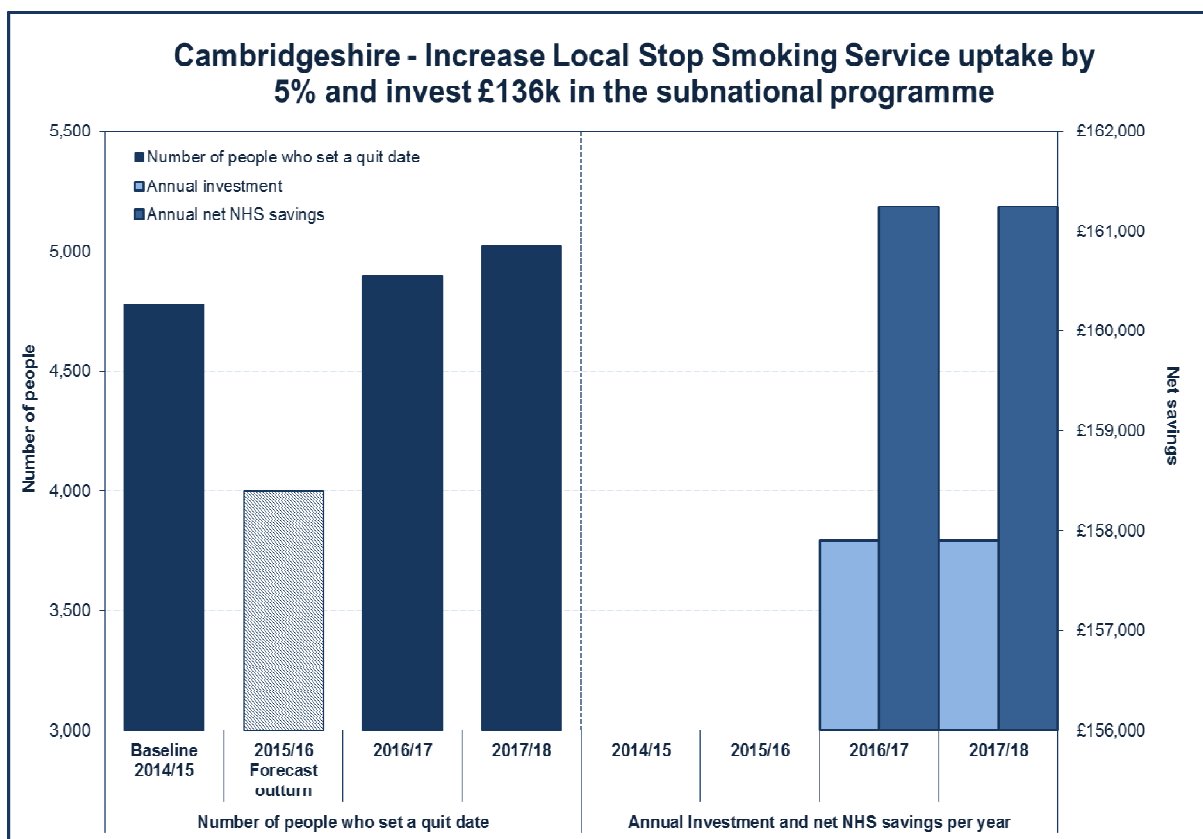
There is also evidence from the trials of pre-operative smoking cessation interventions,<sup>2,4</sup> that the quit rate at 12 months follow up was 30% versus 10% in the intervention and



control groups respectively, showing that some difference in long-term quit rates is likely to be maintained.

Using the rewards intervention for pregnant women, which gave quit rates of 9% versus 3% for intervention versus control at 1 year, as a conservative proxy for pre-operative quits, the cost-benefit to women (excluding child cost-benefit and excluding the cost of the intervention) was £144 per patient undergoing the intervention. A conservative estimate of the total cost benefit of pre-operative smoking cessation intervention is £209 per patient undergoing the intervention.

**Figure 14: Expected impact of increasing local stop smoking service uptake in Cambridgeshire by 5% and investing £136,000 in the sub-national programme**



**Table 20: Quit date information for Cambridgeshire**

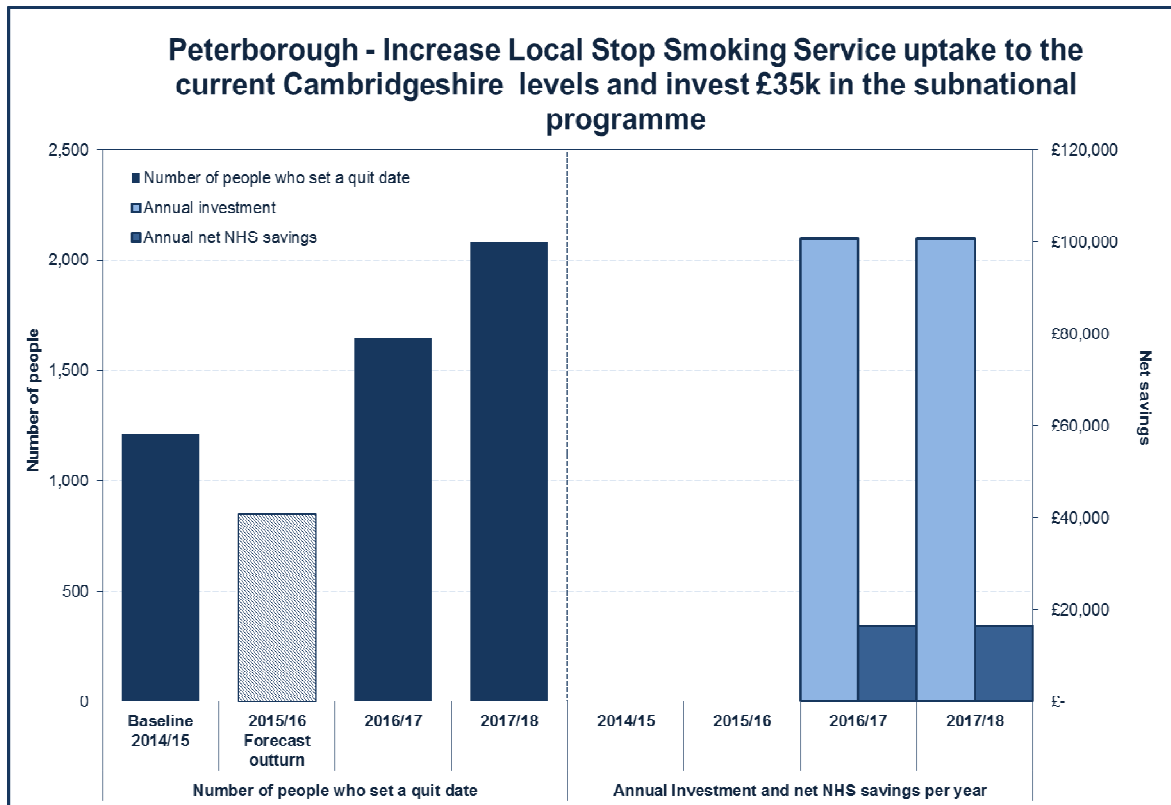
	Baseline 2014/15	2015/16 Forecast outturn	2016/17	2017/18
<b>Number of people who set a quit date</b>	4,777	4,000	4,900	5,022
<b>Annual investment</b>			£157,904	£157,904
<b>(Annual new investment)</b>			£21,904	£21,904
<b>Annual net NHS savings</b>			£161,250	£161,250

Smoking rates are much higher in Peterborough than in Cambridgeshire and so the model proposed here is to increase the number of people setting a quit date in Peterborough to

the same as the Cambridgeshire average. The table and figure below show how new investment of £65,589 a year, will lead to a saving of £16,307.

### Peterborough

**Figure 15: Expected impact of increasing local stop smoking service uptake the current Cambridgeshire levels and investing £35,000 in the sub-national programme**



**Table 21: Quit date information for Peterborough**

	Baseline 2014/15	2015/16 Forecast outturn	2016/17	2017/18
Number of people who set a quit date	1,213	850	1,648	2,082
Annual investment			£100,589	£100,589
(Annual new investment)			£65,589	£65,589
Annual net NHS savings			£16,307	£16,307

It is important to note that our projections suggest that the number of people setting a quit date in Cambridgeshire and Peterborough will fall considerably from 2014/15, which is used as the baseline in these projections in terms of activity and investment. Given the scale of the projected fall in numbers in Peterborough the increase needed to reach the Cambridgeshire average requires the service to more than double its activity. The overall drop in activity, and associated investment, in 2015/16 is a risk to achieving targets for 2016/17 and 2017/18.

### Work already planned

There is an ongoing programme to improve performance that includes targeting routine and manual workers and the Fenland area. CamQuit, the core Stop Smoking service in Cambridgeshire, is providing increasingly higher levels of support to the other providers along with promotional activities. Practices and community pharmacies are regularly visited with poor performers being targeted. During 2014/15 social marketing research was undertaken which is informing activities to promote Stop Smoking Services. Other activities introduced recently include a mobile workplace service, a migrant worker Health Trainer post that will target these communities where smoking rates are high, a wide ranging promotional campaign and the recruitment of an additional Stop Smoking Advisor to focus upon Fenland.

Going forward, Cambridgeshire and Peterborough will be working with neighbouring local authorities on tobacco related campaigns and engagement work, including a focus on illicit tobacco sales.

### Where should the strategic focus be?

There are an estimated 105,548 people across Cambridgeshire and Peterborough who smoke. There is a high quality, high ranking evidence that stop smoking services are cost effective, are good value for money and provide a good return on investment.

### Recommendations

- Sub-national programme work, such as tobacco control, is critical to ensuring savings to the NHS. Nationally and locally we should continue to invest in this.
- There are additional savings to the NHS to be made from stopping people smoking before operations, and this along with sub-groups in the population with high prevalence levels should be a focus for the additional numbers setting a quit date.
- An additional investment of £346k, only £175k of which is new investment, is needed to generate a saving over £356k over the next two years.

## 9. Alcohol

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### Headlines

- Maximise opportunities to provide brief advice on alcohol to more GP practice patients, at new registrations and/or next appointment. If 10,000 more patients were to receive this advice, it is estimated this would save the NHS £217k (above the cost of the intervention) over seven years with the vast majority of the savings in years 2-5.
- Monitor the GP provision of brief advice on alcohol, now provided through the core GP contract, and provide training as necessary.
- Focus a larger proportion of training for information and brief advice in A&E.
- Agree a training model and associated costs for information and brief advice in primary care and A&E, and expand the provision of this advice in A&E.

The consumption of alcohol contributes to a range of health conditions and admissions to hospital. Alcohol-related conditions include liver disease, hypertension, oesophageal and other cancers and mental and behavioural disorders. Drinking alcohol is also linked to hospital admissions due to accidents and injuries and toxic effects of consumption, and causes considerable costs to the NHS.

It is estimated that 6.6m adults in England currently consume alcohol at hazardous levels and 2.3m at harmful levels. The total costs of alcohol misuse in England are estimated to be around £23.1bn of which £0.3m is NHS costs. Overall average annual costs of a harmful drinker are around 3.4 times that of a hazardous drinker.

### Current position

#### Cambridgeshire context

In 2012/13, alcohol-related hospital admissions for men were lower than the national average across Cambridgeshire but highest in Cambridge and Fenland. In 2012/13, alcohol-related hospital admissions for women were higher than the England average in Cambridge and Huntingdonshire.

In Cambridgeshire it is estimated that there are 114,000 hazardous drinkers and 40,000 harmful drinkers.

#### Peterborough context

1 in 5 people in Peterborough (23,000 people) drink above the recommended levels. 7,500 people in Peterborough drink heavily at levels which have, or risk, damaging their health.

There were 1,171 alcohol-related hospital admissions in Peterborough in 2012-13, which is the highest in the East of England. The cost to the local NHS system is £1.8 million a year or £244 per person for the 7,500 people in Peterborough who drink heavily.

## Interventions and cost savings to NHS

### Current public health spend and activity

In Cambridgeshire, annual Public Health spend on drug and alcohol services is £5,964,000. This breaks down for specific spend on alcohol as:

- Adult alcohol treatment - £961,000
- Young people's drug and alcohol service - £315,000
- Inpatient beds, recovery hub, service users' network, controlled drinkers project

Alcohol screening takes place through NHS Health Checks, and for all new adult patients of GP practices through a national DES.

The Cambridgeshire Drug and Alcohol Action Team (DAAT) records show that during 2014/15, 106 individuals were trained in identification and brief advice during the year. This comprised of 12 health and 94 non-health staff. In addition, there was a large scale health session in September 2014 (contributed to, but not organised by, the DAAT) at Hinchingbrooke Hospital which was attended by approximately 70 health staff. Two smaller sessions during the year were held with GP practices. The DAAT has been active in delivering identification and brief advice training in 2015/16. In October 2015, 35 staff from CPFT were trained in a single session. Further training dates are planned for 2016 and will be promoted widely, including to primary care.

In Peterborough, combined spend on substance misuse (drug, alcohol and young people) is £16.73 per head, compared with a national average of £17.36 and a deprivation decile average of £21.25.

Peterborough commission Drink Sense as an alcohol interventions service, which inevitably includes brief and extended interventions. In 2014/15 190 people were referred for Brief Advice and a further 152 received Brief interventions.

The Hospital Alcohol Liaison Project (HALP) also commissioned through CCG, set a target for 480 Brief Advice interventions at PCH, and in fact 2014/15 made 746 interventions. This service then follows up relevant patients with further brief interventions.

DrinkSense adult service is commissioned primarily to deliver alcohol treatment interventions, of which Brief Advice and Brief Interventions form only a part. Activity in Q1 shows 160 people receiving brief interventions.

## Work already planned

HALP target for Brief Advice increased to 720, with Brief Interventions increased to 1200.

Work is currently underway on a Drugs and Alcohol JSNA in Cambridgeshire. This detailed analysis is due to be completed in July 2015.

## Cost saving prevention initiatives – possible areas of focus

There are a number of national initiatives such as minimum unit pricing that have been shown to be potentially cost saving to a range of organisations, and would reduce alcohol consumption. A recent NICE evidence update (PH24) on Alcohol-use disorders highlighted evidence that affordability, minimum pricing, taxation and location of outlets can all influence drinking levels.

Minimum Unit Pricing has been recommended in Scotland as a way of increasing the price of drinks such as own-brand spirits and white cider, which have high alcohol content but are usually very cheap. Minimum unit pricing would set a floor price for a unit of alcohol, meaning it cannot be sold for lower than that. The more alcohol a drink contains, the stronger it is and therefore the more expensive it would be.

The Alcohol (Minimum Pricing) (Scotland) Act 2012 was passed in June 2012. It has not yet been implemented due to a legal challenge led by the Scotch Whisky Association.

Scotland's Chief Medical Officer concluded that - like the smoking ban - minimum unit pricing would save lives within a year. Research by the University of Sheffield estimated that the proposed minimum price of 50p per unit would result in the following benefits:

- Alcohol related deaths would fall by about 60 in the first year and 318 by year ten of the policy
- A fall in hospital admission of 1,600 in year 1, and 6,500 per year by year ten of the policy
- A fall in crime volumes by around 3,500 offences per year
- A financial saving from harm reduction (health, employment, crime etc) of £942m over ten years

In terms of local initiatives we have focused here on the cost effectiveness of screening and brief advice for alcohol.

The costs and benefits of GPs using the Alcohol use disorders identification test (AUDIT) have been modelled using a representative sample of 1,000 adults attending their next GP consultation, followed by 5 minutes of advice for those identified as hazardous or harmful drinkers (£17.41 cost per person screened). The model assumes that 20% of relevant individuals are missed in the screening, and the effectiveness of the intervention is assumed to decline to zero in seven years.

**Table 22: Costs/pay off per head for screening and brief advice based on a representative sample of 1000 adults attending their next GP consultation (2009/10 prices)**

Table 5: Costs/pay-offs per head for screening and brief advice based on a representative sample of 1,000 adults attending their next GP consultation (2009/10 prices)

	Year 1 (£)	Years 2-5 (£)	Years 6-7 (£)	Total (£)
NHS	-10.55	-24.61	-3.91	-39.07
Crime	-28.49	-66.02	-10.49	-105.00
Productivity losses	-16.20	-38.24	-6.05	-60.48
Total	-55.23	-128.87	-20.45	-204.55

Source: Mental health promotion and prevention: the economic case. 2011. Knapp & Parsonage.

Taking these figures, if 10,000 more people in Cambridgeshire and Peterborough were screened and received brief advice, it is estimated that there would be net savings at over seven years of £216,600 with the vast majority of these in years 2-5. The overall cost of the programme would be £174k and the total return £390,700.

The existing activity and capacity within the health system to take on this additional work (roughly 2 additional patients per week for 50 weeks of the year per practice), would need to be considered in any model. This model also assumes this activity is undertaken by GPs, not practice nurses, and it is also not clear if the costs include any initial training costs.

More recent modelling work<sup>41</sup> continues to find that screening and brief interventions at registration are potentially cost saving to the NHS and social services, with the majority of savings in the NHS.

Alcohol brief advice became a part of the core GP contract from 2015/16. It will be important to monitor these changes to ensure levels of brief advice are maintained or improved.

Further work is underway to calculate the potential savings from improving brief alcohol advice through A&E locally.

### Where should the strategic focus be?

There is good evidence that brief interventions for alcohol are cost saving to the NHS in the short term. The focus should be on maximising opportunities to ensure this screening takes place with as large a proportion of the population as possible, particularly in GP practices and A&E.

<sup>41</sup>Modelling the Cost-Effectiveness of Alcohol Screening and Brief Interventions in Primary Care in England. Purshouse, R et al (2012) Alcohol and Alcoholism Vol.48, no 2 pp 180-188.

## Recommendation

- Maximise opportunities to provide brief advice on alcohol to more GP practice patients, at new registrations and/or next appointment. If 10,000 more patients were to receive this advice, it is estimated this would save the NHS £217k (above the cost of the intervention) over seven years with the vast majority of the savings in years 2-5.
- Monitor the GP provision of brief advice on alcohol, now provided through the core GP contract, and provide training as necessary.
- Focus a larger proportion of training for information and brief advice in A&E.
- Agree a training model and associated costs for information and brief advice in primary care and A&E, and expand the provision of this advice in A&E.



# 10. Falls

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## Headlines

- Injurious falls in older people have a high cost impact for health and social care services locally, estimated at £83 million for 2016, with increasing costs forecast for the ageing population.
- There is important and robust evidence indicating net savings for falls interventions targeted at both community dwelling older adults and older adults in residential or nursing care across a range of UK and international settings.
- In particular three areas of intervention for preventing falls in community-living older people have been trialled and indicated cost savings: home-based exercise (the Otago Exercise Programme) in over 80-year-olds, home safety assessment and modification in those with a previous fall, and specific multi-factorial programmes.
- Potential savings may require delivery of preventative approaches at a much wider scale than current provision.
- This proposal advocates a strategic focus on older people aged 75 years and over; the role of multifactorial assessments and specifically participation in group-based strength and balance (Otago exercise) classes in the community (which are comparatively as effective as home-based models)
- The role of allied health professionals and fundamental function of strong system coordination and integration is described for maximising the impact of the interventions in the target groups, and greatest return on investment.
- An action-oriented systems perspective is needed to address the challenges inherent in preventing falls. Many sectors have a role to play, all need to be engaged in this process.

## Background

A fall is defined as an unplanned descent to the floor with or without injury to the patient<sup>42</sup>. Falls are the commonest cause of accidental injury in older people and the commonest cause of accidental death in the population aged 75 and over in the UK. A significant number of falls result in death or severe or moderate injury, at an estimated cost of £15 million per annum for immediate healthcare treatment alone<sup>43</sup>. This is a significant underestimation of the overall burden from falls once the costs of rehabilitation and social care are taken into account, as up to 90% of older patients who fracture their neck of femur fail to recover their previous level of mobility or independence<sup>44</sup>. In addition to these

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<sup>42</sup>National Database of Nursing Quality Indicators (2011).

<sup>43</sup>NPSA 2007 Slips, trips and falls in hospitals [www.npsa.nhs.uk](http://www.npsa.nhs.uk)

<sup>44</sup>Murray GR, Cameron ID, Cumming RG. The consequences of falls in acute and subacute hospitals in Australia that result in proximal femoral fracture. *Journal of the American Geriatrics Society*. 2007; 55(4): 577-82

financial costs, there are additional costs that are more difficult to quantify. The intangible human costs of falling includes distress, pain, injury, loss of confidence and loss of independence, as well as the anxiety caused to patients, relatives, carers, and hospital staff<sup>45</sup>.

The majority of fractures in older people occur as a result of a fall from standing height. These are low trauma fragility fractures commonly affecting the pelvis, wrist, upper arm or hip. Falls in older people can potentially be predicted by assessing a number of risk factors including conditions that affect balance, chronic health conditions, physical and cognitive impairments, and multiple medications - there is an increased risk of falling, and of injurious falls correlated with increased age<sup>464748</sup>.

Multi-faceted interventions can prevent falls in the general community, in those at greater risk of falls, and in residential care facilities<sup>49</sup>. Well organised services, based on national standards and evidence-based guidelines can prevent future falls, and reduce death and disability from fractures<sup>50</sup>. Recognition of the substantial burden and cost of falls, and the identification of consistent and modifiable risk factors for these injuries demands a pro-active approach to falls prevention, particularly in older and frailer populations.

## Current position

### What is the scale of the problem?

Figures 16 and 17, demonstrate rates of emergency admission for injuries due to falls, and for fracture of the hip between 2010/11 and 2013/14 in Cambridgeshire and Peterborough. Rates are generally higher in women than in men (data not shown) and increase substantially with age. Rates for emergency admissions in Cambridgeshire as a whole are similar to the national average whilst rates in Peterborough have been higher than the national average.

From the below data it is clear that in Cambridgeshire the impact of falls is disproportionately greater in those aged 80 years and above. This pattern accentuates the case for a dual approach to falls prevention with preventive interventions targeted at age-bands preceding the rise in incidence of hip fractures and frailty from 65 years and over, and

<sup>45</sup>Patient Safety First Campaign 2010. Reducing Harm from Falls.

<sup>46</sup>Gillespie LD, Gillespie WJ, Robertson MC et al. Interventions for preventing falls in elderly people. Cochrane Database Syst Rev 2003;Issue 4.

<sup>47</sup>Ganz DA, Bao Y, Shekelle PG et al. Will my patient fall? JAMA 2007;297:77–86.

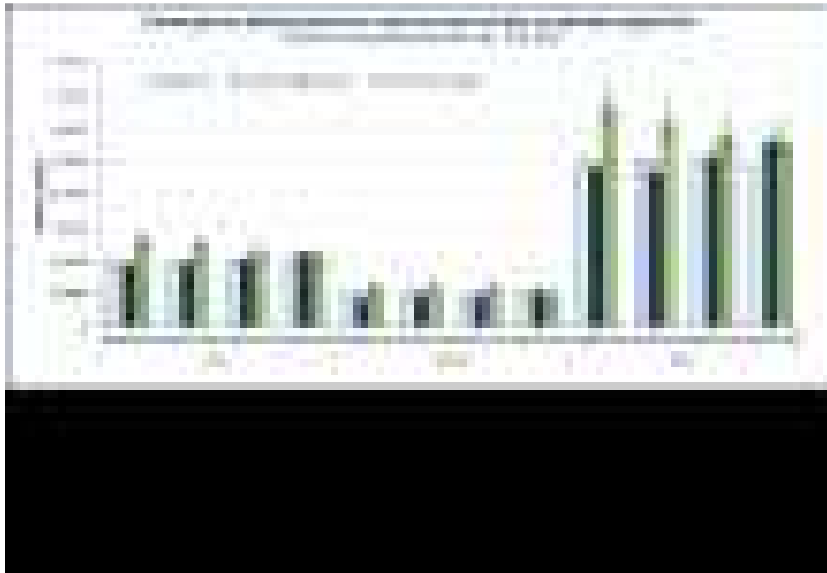
<sup>48</sup>Clinical Guideline 21. Falls: The Assessment and Prevention of Falls in Older People. London, UK: National Institute for Clinical Excellence, 2004.

<sup>49</sup>Gillespie LD, Gillespie WJ, Robertson MC et al. Interventions for preventing falls in elderly people. Cochrane Database Syst Rev 2003;Issue 4.

<sup>50</sup>Royal College of Physicians. Falling standards, broken promises. Report of the national audit of falls and bone health in older people 2010. Available at [http://www.rcplondon.ac.uk/sites/default/files/national\\_report.pdf](http://www.rcplondon.ac.uk/sites/default/files/national_report.pdf)

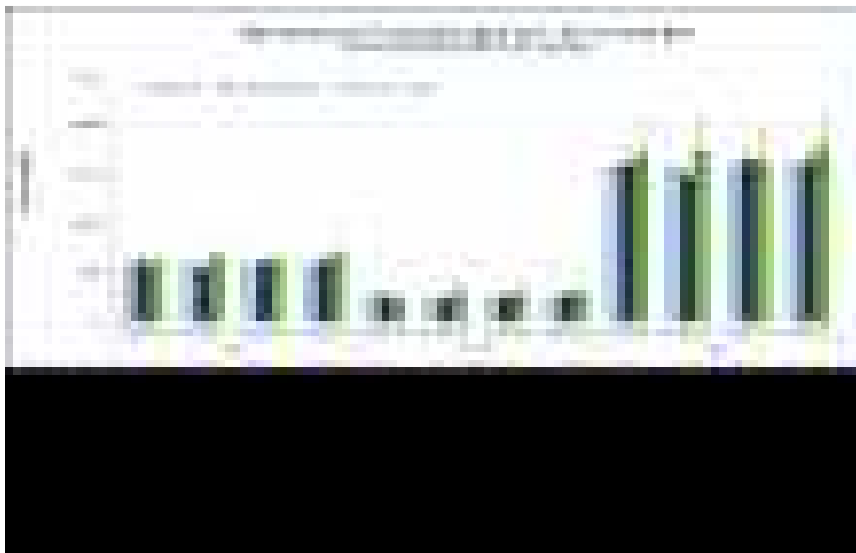
an emphasis on effective approaches tailored to those aged over 75 years who are older and frailer, and have increasing risk of injurious falls and associated poor outcomes.

**Figure 16: Emergency admissions for injury due to falls in people aged 65+**



Source: Public Health England (PHE) Fingertips <http://www.phoutcomes.info/>  
Primary diagnosis code for Injury (ICD 10 S00-T19) with falls code (W00-W19) anywhere in diagnostic string.

**Figure 17: Hip fractures in people aged 65+, 65-79 and 80+**



Source: Public Health England (PHE) Fingertips <http://www.phoutcomes.info/>  
Primary diagnosis ICD 10 S72.0, S72.1, S72.2.

It should be noted that falls are events rather than conditions or diseases thus coding of falls-related health data can be potentially problematic. The data shown above from the

Public Health Outcomes Framework (PHOF) are considerably clearer as ‘falls’ are coded where the primary reason for admission is due to an “injury”. Even then, coding of falls can be variable across hospital trusts. The apparent decline in admissions for “injury” due to falls in the oldest age-group (80+) in Peterborough is striking and currently being explored further.

#### How is this expected to change locally?

The number of older people aged 65 and over is forecast to increase significantly across the CCG population, with an increase of 42% in Peterborough and 48% in Cambridgeshire by 2031. In Cambridgeshire, amongst the oldest, the number of people aged 90 years and over is forecast to nearly double in the next 15 years. In addition, a more than doubling of numbers in the 75-84 year age band who have an increased risk of injurious falls is anticipated across both Cambridgeshire and Peterborough.

**Table 23: number of older people**

#### The health consequences and costs

In 2013, results were published from a Scottish study which aimed to estimate the costs to health and social care services in managing older people who fall in the community<sup>51</sup>. The study used predominantly national databases and cost of illness methodologies and the authors noted that costs, while specific to Scotland, were generalisable to other parts of the UK. The study demonstrated that 34% of people aged 65 years and over living in the community fall at least once a year, of which 20% contacted a medical service for assistance. Applying the results from the Scottish study to local population figures for Cambridgeshire & Peterborough CCG, we can estimate the costs of falls across health and social care.

<sup>51</sup>Craig J, Murray A, Mitchell S et al. The high cost to health and social care of managing falls in older adults living in the community in Scotland. *Scottish Medical Journal* 2013;58(4):198-203. Available at: <http://scm.sagepub.com/content/58/4/198>.

It is estimated that in 2016, falls will result in over 5,500 GP attendances, over 8,700 ambulance call outs, and more than 6,300 A&E attendances resulting in over 3,000 inpatient admissions across the CCG (numbers per year). The associated costs are high and estimated to be over £83 million. Costs at discharge are predominantly associated with social care but not from the funder perspective.

Table 24 demonstrates the figures from the Scottish study applied to the forecast population of Cambridgeshire and Peterborough Clinical Commissioning Group for 2016.

**Table 24: Estimated number and cost of fall related events, Cambridgeshire & Peterborough CCG 2016, based on study estimates applied to local population figures.**

Clinical event		Number	Cost per event	Total cost (2016)	Total percentage
Population aged 65+		166,039			
Total people falling	34% of population	56,453			
Of whom serious	7% of population	11,623			
GP attendances	51% of serious falls	5,928	£36	£213,393	0.3
Ambulance callouts	61% of serious falls	7,090	£257	£1,822,090	2.2
A&E attendances	80% of serious falls	9,298	£101	£939,114	1.1
Inpatient admissions	35% of A&E attendances	3,254			
Falls (non hip fractures)	69% of admissions	2,246	£7,406	£16,630,208	20.1
Hip fracture	31% of admissions	1,009	£14,528	£14,656,572	17.7
Discharge falls					
Home	64%	1,439	£1,776	£2,556,323	3.1
Residential: short term	21%	480	£8,406	£4,033,619	4.9
Long term	15%	326	£65,942	£21,515,799	25.9
Discharge fractures					
Home	34%	345	£1,776	£612,321	0.7
Residential: short term	47%	470	£8,406	£3,952,282	4.8
Long term	19%	194	£65,942	£12,786,202	15.4
Re-admissions	7% of admissions	391	£7,406	£2,892,210	2.1
Mortality at one year	12% of admissions	228	£3,703	£843,561	1.8
<b>Total cost</b>				<b>£83,453,695</b>	<b>100</b>

Source: CCC PHI. ONS population projections applied to FHS Registration System (Exeter) April 2015 (Costs and estimates modelled using Craig et al.).

Table 25 provides an additional breakdown of NHS costs associated with falls and fractures and indicates the financial impact assuming no change in prevention up until 2020. This is a conservative estimate as numbers have been applied on the risk across the 65+ age group and not specifically adjusted for the increased risk inherent in the oldest old (greatest falls burden). Note that these tables do not include the costs incurred post hospital discharge (60% of total described above). There is some distribution of these costs between health and social care though the majority will be to social care.

**Table 25: Estimated number and NHS costs of fall related events, Cambridgeshire & Peterborough CCG 2016, based on study estimates applied to local population figures.**

**Breakdown of costs to NHS - Cambridgeshire & Peterborough CCG - no change in prevention**

	2016	2020	2016	2017	2018	2019	2020
Population 65+	166,039	181,667					
Estimated falls in the community	56,453	61,767					
of which serious	11,623	12,717					
GP attendances	5,928	6,486	£.2M	£.2M	£.2M	£.2M	£.2M
Ambulance callouts	7,090	7,757	£1.8M	£1.9M	£1.9M	£2.0M	£2.0M
A&E attendances	9,298	10,173	£.9M	£1.0M	£1.0M	£1.0M	£1.0M
<b>Costs GP/Amb/A&amp;E</b>			<b>£3.0M</b>	<b>£3.0M</b>	<b>£3.0M</b>	<b>£3.1M</b>	<b>£3.2M</b>
Inpatient admissions	3,254	3,561					
Of which non hip fx	2,246	2,457	£16.6M	£17.0M	£17.4M	£17.8M	£18.2M
Of which hip fractures	1,009	1,104	£14.7M	£15.0M	£15.4M	£15.7M	£16.0M
<b>Costs of admission</b>			<b>£31.3M</b>	<b>£32.0M</b>	<b>£32.8M</b>	<b>£33.5M</b>	<b>£34.2M</b>
<b>Readmissions</b>	228	249	<b>£.8M</b>	<b>£.9M</b>	<b>£.9M</b>	<b>£.9M</b>	<b>£.9M</b>
<b>Total</b>			<b>£35.1M</b>	<b>£36.0M</b>	<b>£36.8M</b>	<b>£37.6M</b>	<b>£38.4M</b>

Source: CCC PHI. ONS population projections applied to FHS Registration System (Exeter) April 2015 (Costs and estimates modelled using Craig et al

### Interventions and cost savings to the NHS

The cost implications for the health and care system of falls are evident and a ‘do nothing’ option incurs increasing costs to all components and partners of the health and care system in addition to the devastating impacts on quality of life and independence of our growing older populations.

Table 26 demonstrates the impact of applying conservative (10% and 15%) reductions in falls-related events on overall costs. Potential cost reductions are substantial. By applying a 10% reduction in falls-related events, a reduction in NHS costs of over £3.5 million can be achieved per year.

**Table 26: Potential cost savings across health from 10% and 15% reduction in falls related events**

Clinical event		Total cost (2016)	10% reduction	15% reduction
Population aged 65+				
Total people falling	34% of population			
Of whom serious	7% of population			
GP attendances	51% of serious falls	£213,393	£192,053	£181,384
Ambulance callouts	61% of serious falls	£1,822,090	£1,639,881	£1,548,776
A&E attendances	80% of serious falls	£939,114	£845,202	£798,247
Inpatient admissions	35% of A&E attendances			
Falls (non hip fractures)	69% of admissions	£16,630,208	£14,967,187	£14,135,677
Hip fracture	31% of admissions	£14,656,572	£13,190,915	£12,458,086
Re-admissions	7% of admissions	£2,708,552	£2,892,210	£2,302,270
Total cost		£36,969,929	£33,272,936	£31,424,440

Source: (Costs and estimates modelled using Craig et al

Falls prevention is multi-faceted with varying phases of need across the population, ranging from older people who are well and mobile with no risks identified; those complaining of unsteadiness; those who have fallen and injured themselves; and those with significant frailty and multi-morbidities that may have already had interventions related to falls.

Therefore an array of evidence-based interventions is necessary, targeted to specific population groups and needs. There is a large body of research literature, including several systematic reviews of robust clinical trials completed, and meta-analyses to provide pooled estimates of the effect sizes for the interventions. Overall, the trialled interventions demonstrate clinical effectiveness and the outcomes include reduced rate of falls, and reduced risk of serious falls.

In light of this evidence, a framework has been developed locally to describe evidence-based interventions across the population which are demonstrably effective in preventing falls (and therefore may incur cost savings for the NHS). This framework is summarised below:

Primary prevention in the community (untargeted interventions) 60+	Identification & Assessment	Targeted interventions At risk/fall 75+	Preventing falls in hospitals & LTCF	Post-discharge (towards independence)
<p><b>P1 Exercise</b></p> <ul style="list-style-type: none"> <li>• Post, strength, balance, or functional training</li> <li>• Osteo</li> <li>• Tactile</li> </ul> <p><b>P2 Vitamin D</b> Supplementation (≥1000 unit)</p>	<p><b>A1 Tactile/vision/ear people</b> Whether they have fallen in the past year</p> <p><b>A2 Osteoporosis treated and post-defence and/or advice for strength and balance</b></p>	<p><b>T1 Multi-factorial assessment</b></p> <p><b>T2 Individualised multi-factorial interventions</b></p> <ul style="list-style-type: none"> <li>• Strength and balance training</li> <li>• Home hazard assessment and intervention</li> <li>• Vision assessment and referral</li> <li>• Medication review</li> </ul> <p><b>T3 Strength and balance training</b></p>	<p><b>P3 Groups at risk of falling in hospital</b></p> <ul style="list-style-type: none"> <li>• All patients aged 65</li> <li>• Patients aged 50 to 64 years, judged to be at risk of falling, under non</li> </ul> <p><b>P2 Multi-factorial assessment</b></p>	<p><b>P0 Home hazard assessment and safety interventions/modifications by suitably trained healthcare professional</b></p> <p><b>P0 Multiple programs (eg GISS, better of walking)</b></p>
<p><b>P3 Environmental &amp; Injury safety interventions</b></p> <p><b>P4 Medication interventions</b></p>	<p><b>A3 Individual professional professional competence in the assessment and intervention</b></p> <p><b>A4 Multi-factorial falls risk assessment</b></p> <p><b>A5 Strength and balance training</b></p>	<p><b>T4 Symptomatic medication review, and discontinued if possible</b></p> <p><b>T5 Cardiac screening conducted for (susceptibility, rhythm, atrial fibrillation)</b></p> <p><b>T6 Falls prevention programme (includes education, change &amp; assessment)</b></p> <p><b>T7 Education &amp; information</b></p>	<p><b>P5 Medication interventions (includes individual risk assessment and tailored interventions)</b></p> <p><b>P4 Medication interventions with assessment component (able people) &amp; educational setting</b></p> <p><b>P5 Exercise for more than 6 months (≥1 times a week)</b></p> <p><b>P5 Vitamin D supplementation</b></p> <p><b>P6 Safe management of discharge needs</b></p> <p><b>P5 Information &amp; support</b></p> <p><b>P5 Share relevant information across services</b></p>	

The framework also provides a foundation for potential roles and leadership actions across sectors. Further information can also be gleaned from examples of falls services delivered elsewhere in the UK. ‘Gold standard’ falls preventions packages typically include strong pathways between the relevant agencies. The Greater Glasgow and Clyde model<sup>52</sup>, which has evidence of actual realised savings, includes the following key components<sup>53</sup>:

- Single point of referral in each locality for triage and onward referral
- Multi-factorial falls assessments (all assessments in the home)
- Data recording of patients using the service
- Programme of exercise classes run in community centres by trained specialist therapists (held immediately after rehabilitation classes)
- Integration: Close partnership-working between the NHS and local council
- Falls service widely promoted in GP practices, libraries, and other public settings

<sup>52</sup>This programme is the only UK model to have evidence of realised savings, finding over a 10 year period the service has achieved a reduction in falls in the home of 32%, a reduction of falls in residential institutions of 27% and a reduction of falls in the street of almost 40%. However there may be some concerns about the analysis, and the ability to extrapolate for local models.

<sup>53</sup>Greater Glasgow and Clyde Falls Prevention and Osteoporosis Services. Available at: <http://www.nhsggc.org.uk/CONTENT/default.asp?page=s1361>



While it is not easy to clarify precisely which, and at what scale, of interventions and components, are required to achieve a 10% or 15% reduction in the costs of falls-related injuries as modelled above locally, the interventions described are all known to be effective and recommended.

### **Current public health spend and activity**

There is some existing provision of interventions to reduce falls in older people as outlined in the framework above. Detailed mapping of stakeholder activity is underway, so descriptions of current provision must be considered estimates;

However it is apparent the current interventions lack the appropriate scale and coordination described in the framework and exemplified in other successful programmes.

Currently evidence-based community exercise provision (strength and balance and tai chi) across the county reaches fewer than 200 people aged 50 and over across the County on a weekly basis. Adaptations to reduce hazards in the home environment are delivered through handyperson schemes, or funded by disability facilities grants, and other local provision, again with limited reach. GPs provide an important coordination role in primary care, ensuring medication reviews, hearing and sight checks, foot health and other key risk factors, but referral patterns have not been clearly established and often not known. Secondary preventative work with fallers (falls prevention services/intervention) is held within Older People health services (CPFT) neighbourhood teams, however this model is still developing and building on prior provision which has been inconsistent across the County.

### **Work already planned**

A current business case for Cambridgeshire County Council (April 2015 – March 2017) includes:

- Increasing provision of evidence-based community exercise to increase reach and uptake in the over 65 population, particularly targeted at those aged 75 and over.
- Primary preventative awareness raising (campaigns, information) to reach those 75 years and over, and their family and carers
- Training and awareness raising of actions to reduce falls for the health, social care, VCO and wider workforces
- Building system level partnership to reduce falls

Within this, there are two important measures planned to extend local falls prevention activity:

1. An extended role of health trainers/health coaches to increase awareness of falls, and use motivational interviewing skills to support behaviour change in older people in relation to participation in activities to reduce their falls risks
2. Increased provision of strength and balance classes locally – and a pathway of progressive chair based exercises. This should help to address issues of inequity in the availability of classes across the county, and provide quality-assured step down and sustained support following falls specialist interventions by health professionals.

### Cost saving prevention initiatives – possible areas of focus

A Cochrane review in 2012<sup>54</sup> on interventions for preventing falls in community-living older people identified thirteen trials providing a comprehensive economic evaluation. Three of these indicated cost savings for their interventions during the trial period: home-based exercise (the Otago Exercise Programme) in over 80-year-olds, home safety assessment and modification in those with a previous fall, and one multifactorial programme targeting eight specific risk factors. In the multi-factorial programme, total average costs were approximately US\$2000 [~GBP £1310] less per subject in the intervention group than the usual care group, largely reflecting lower hospitalization costs in those who received the intervention<sup>55</sup>.

A prior review in New Zealand identified the same three cost-saving approaches as Cochrane, and found that best value for money came from effective single factor interventions such as the Otago Exercise Programme in adults 80 years and older. A cost-benefit analysis in 2014 of three specific exercise interventions demonstrated positive net benefits for each programme<sup>56</sup>. The Otago Exercise Programme provided a return on investment of 36% for each dollar invested when delivered to persons aged 65 and over, and an ROI of 127% when delivered to 80 year olds and over (comprising a net benefit of \$429.15). The highest ROI was found for Tai Chi at 509%. The ROI for the Australian Stepping On programme (21 hours of occupational therapist-led group exercises, and falls prevention advice) was 64%.

Alongside the evidence for single factor interventions, modelling by the Center for Disease Control has identified that community-based multi-disciplinary programmes are well tolerated and their potential offer in terms of health economics is great<sup>57</sup>.

<sup>54</sup>Gillespie LD, Robertson MC, Gillespie WJ, Sherrington C, Gates S, Clemson LM, Lamb SE. Interventions for preventing falls in older people living in the community. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.: CD007146. doi: 10.1002/14651858..

<sup>55</sup>Rizzo JA, Baker DI, McAvay G, Tinetti ME. The cost effectiveness of a multi-factorial targeted prevention program for falls among community elderly persons. Medical Care 1996;34(9):954–69.

<sup>56</sup>Carande-Kulis V, Stevens JA, Florence CS, Beattie BL, Arias I. 2015 A cost-benefit analysis of three older adult fall prevention interventions.J Safety Res. 2015 Feb;52:65-70. doi: 10.1016/j.jsr.2014.12.007.

<sup>57</sup>Hanley, A., Silke, C., & Murphy, J. (2011).Community-based health efforts for the prevention of falls in the elderly. Clinical Interventions in Aging, 6, 19–25. doi.org/10.2147/CIA.S9489

Cost savings associated with the implementation of interventions have been reported at population scale; a multi-disciplinary programme in a population of 400,000 in New South Wales, Australia showed a benefit to cost ratio of 20.6:1<sup>58</sup>. Over a 4-year period, the programme generated savings of up to A\$16.9 million [~GBP £7.91million].

In the US, a cohort study demonstrated savings of US\$938 [~GBP £615] per person at 1 year among older people participating in the 'Matter of Balance' intervention which addresses fear of falling and activity limitation<sup>59</sup>. The majority of the savings (US\$517) amount from reduced unplanned hospitalisations. The programme is currently delivered in 38 of the 50 United States. A study modelling the potential for savings from Matter of Balance for Massachusetts calculated a return on investment of 144%. As there is no current uptake data available, savings were calculated for three participation levels: 25%, 50% and 75%, and found to range from US\$2.79million to \$8.37million.

Further detail from economic modelling for a population health falls prevention programme<sup>60</sup> shows a high incremental cost-effectiveness ratio (ICER) of \$A28,631 [GBP£13577] per QALY gained. Sensitivity analyses indicated that the public health outcomes were greater and less costly than no programme, when programme costs were \$A500 or lower and risk ratio for falls was 0.70 or lower, indicating that a population-wide approach will be most appropriate, and cost-saving, with effective and relatively low cost interventions.

### Where should the strategic focus be?

Local analysis has identified potential areas for further investment in falls prevention across varying stages of risk.

The local framework suggests various population groups within the older population that could be targeted more effectively. The target population that has been modelled below is the 75+ population at high risk of falls including serious injury. 'Serious' is defined as those requiring attention from either the GP, via A&E or as an inpatient. This definition is therefore quite broad – and summarised as those requiring medical attention. By increasing identification and assessment in this target group (by health professionals) and following evidence-based guidelines which include appropriate referrals to both specialised and community exercise for specific falls prevention interventions, the potential reduction in falls and subsequent costs can be demonstrated.

<sup>58</sup>Hanley, A., Silke, C., & Murphy, J. (2011).Community-based health efforts for the prevention of falls in the elderly. *Clinical Interventions in Aging*, 6, 19–25. doi.org/10.2147/CIA.S9489

<sup>59</sup>Ghimire E, Colligan EM, Howell B, Perlroth D, Marrufo G, Rusev E, Packard M. (2015) Effects of a Community-Based Fall Management Program on Medicare Cost Savings. *Am J Prev Med*. 2015 Sep 15. doi: 10.1016/j.amepre.2015.07.004.

<sup>60</sup>Farag I., Howard K., Ferreira ML., Sherrington C. (2015) Economic modelling of a public health programme for fall prevention.*Age and Ageing* 2015; 44: 409–414. doi: 10.1093/ageing/afu195

The current scale of provision in terms of number of people reached is low (see description of current activity). Table 27 extends the analysis to demonstrate the scale of identification and assessment necessary to recruit and maintain a sufficient number of people to impact on the cost of falls to the NHS.

The target group has been selected in response to at higher risk indicators and to ensure that the 'scale' is realistic and that the potential target group can be readily and feasibly identified (via those in contact with health professionals or MDT working, and A&E attendances for fall related injuries and discharges following inpatient episodes for falls). Even if offered, not all will accept or comply with the intervention, thus the modelling takes this into account using information from research literature and current programmes as to what is likely to be achieved.

If 2,643 people are assessed and considered suitable to refer, it is likely that 1,319 people will have full advantage from the intervention. The cost per person of the intervention has been applied to this figure (from a fully costed source<sup>61</sup>).

**Table 27: Scale of target population, assessment and referral: subsequent uptake, adherence and cost per person of Otago exercise programme targeted to high risk population (75+)**

Target population		Intervention		Yr1	Yr2	Yr3	Yr4	Yr5
10,570 <sup>a</sup>	Physically frail 75+	Otago		25%	25%	50%	50%	50%
	Reach <sup>b,c</sup>			2,643	2,643	5,285	5,285	5,285
	Uptake		64.2% <sup>d</sup>	1,696	1,696	3,393	3,393	3,393
	Adherence (ave)		78% <sup>e</sup>	1,319	1,319	2,638	2,638	2,638
	Cost per person		£222.25 <sup>f</sup>	£293,152	£293,152	£586,303	£586,303	£586,303

- CFAS study estimates of physical frailty in people aged 75+ as 'base' target population identified via A&E attendances for falls, admissions (discharges), MDT working, frailty scores
- Assumption that people can be identified via various health professionals and appropriately assessed and referred
- % of target group approached based on pragmatic choice (Reach)
- Uptake from Nyman (2011) median uptake<sup>62</sup>
- Adherence from Nyman (2011)<sup>63</sup>
- Cost per person of Otago programme (Carande-Kulis 2015)<sup>64</sup>

<sup>61</sup>Carande-Kulis V, Stevens JA, Florence CS, Beattie BL, Arias I. 2015 A cost-benefit analysis of three older adult fall prevention interventions.J Safety Res. 2015 Feb;52:65-70. doi: 10.1016/j.jsr.2014.12.007.

<sup>62</sup>Nyman SR, Victor CR (2011). Older people's participation in and engagement with falls prevention interventions in community settings: an augment to the Cochrane systematic review. Age and Ageing 2011; 40: 1–7.

<sup>63</sup>Nyman SR, Victor CR (2011). Older people's participation in and engagement with falls prevention interventions in community settings: an augment to the Cochrane systematic review. Age and Ageing 2011; 40: 1–7.

<sup>64</sup>Carande-Kulis V, Stevens JA, Florence CS, Beattie BL, Arias I. 2015 A cost-benefit analysis of three older adult fall prevention interventions.J Safety Res. 2015 Feb;52:65-70. doi: 10.1016/j.jsr.2014.12.007.

This target population is at higher risk than the general over 65 population on two counts, firstly age – falls risk increases exponentially with age; and secondly physical frailty- a high proportion (estimated over 80% given target group) of these people will have already fallen, denoting their risk of a subsequent fall substantially higher<sup>6566</sup>, By selecting this target group – the majority of whom will already be in contact with health professionals – the impact on the cost of falls – and the effectiveness of the intervention in this group, can be demonstrated.

The cost of a fall to the NHS is shown below from Craig et al<sup>67</sup>. In terms of the effectiveness of the intervention, the ‘low’ figure of a reduction in falls by 32% has been used (high figure of 35%).

**Table 28:Cost of a fall to the NHS**

Cost per community fall	£700 NHS
	£1,021 Post discharge
Total	£1,721 Total
Cost of serious fall (GP/A&E/Admission)	£3,466 NHS
	£5,141 Post discharge
	£8,607 Total

Three distinct scenarios are shown below indicating the scale of the net cost savings that could be made. Assuming that 30%, 60% or 100% of the falls that are prevented are ‘serious’ and incur GP or A&E or inpatient costs (average cost to NHS only and excluding costs across other systems such as social care) accordingly, the cost without intervention, with intervention and potential change in cost is shown. Costs of intervention are shown as in Table 27.

<sup>65</sup>Skelton D, Todd C. What are the main risk factors for falls amongst older people and what are the most effective interventions to prevent these falls? Health Evidence Network, 2004.

<sup>66</sup>NSW Ministry of Health (2011). An economic evaluation of community and residential aged care falls prevention strategies in NSW.

<sup>67</sup>Craig J, Murray A, Mitchell S et al. The high cost to health and social care of managing falls in older adults living in the community in Scotland. Scottish Medical Journal 2013;58(4):198-203. Available at: <http://scm.sagepub.com/content/58/4/198>.

**Scenario 1: Effectiveness of intervention – 32% reduction in falls to those who complete – 35% of falls prevented are serious (requiring medical attention – average cost)**

% serious	<b>35.00%</b>	<b>Falls (no intervention)</b>	Yr1	Yr2	Yr3	Yr4	Yr5	<b>5 year total</b>
		Serious	280	280	560	560	560	
		Not serious	520	520	1,040	1,040	1,040	
effectiveness	<b>32%</b>	<b>Reduced falls</b>						
		Serious	190	190	381	381	381	
		Not serious	354	354	707	707	707	
Original cost		Serious	£970,460	£970,460	£1,940,921	£1,940,921	£1,940,921	<b>£10,675,625</b>
		Not serious	£363,993	£363,993	£727,985	£727,985	£727,985	
		<b>Total</b>	<b>£1,334,453</b>	<b>£1,334,453</b>	<b>£2,668,906</b>	<b>£2,668,906</b>	<b>£2,668,906</b>	
Reduced cost		Serious	£659,913	£659,913	£1,319,826	£1,319,826	£1,319,826	<b>£7,259,425</b>
		Not serious	£247,515	£247,515	£495,030	£495,030	£495,030	
		<b>Total</b>	<b>£907,428</b>	<b>£907,428</b>	<b>£1,814,856</b>	<b>£1,814,856</b>	<b>£1,814,856</b>	
Cost saving		Difference	£427,025	£427,025	£854,050	£854,050	£854,050	<b>£3,416,200</b>
		<b>NET</b>	<b>-£133,873</b>	<b>-£133,873</b>	<b>-£267,747</b>	<b>-£267,747</b>	<b>-£267,747</b>	

**Scenario 2: Effectiveness of intervention – 32% reduction in falls to those who complete – 60% of falls prevented are serious (requiring medical attention – average cost)**

% serious	<b>60.00%</b>	<b>Falls (no intervention)</b>	Yr1	Yr2	Yr3	Yr4	Yr5	<b>5 year total</b>
		Serious	480	480	960	960	960	
		Not serious	320	320	640	640	640	
effectiveness	<b>32%</b>	<b>Reduced falls</b>						
		Serious	326	326	653	653	653	
		Not serious	218	218	435	435	435	
Original cost		Serious	£1,663,646	£1,663,646	£3,327,293	£3,327,293	£3,327,293	<b>£15,101,135</b>
		Not serious	£223,995	£223,995	£447,991	£447,991	£447,991	
		<b>Total</b>	<b>£1,887,642</b>	<b>£1,887,642</b>	<b>£3,775,284</b>	<b>£3,775,284</b>	<b>£3,775,284</b>	
Reduced cost		Serious	£1,131,280	£1,131,280	£2,262,559	£2,262,559	£2,262,559	<b>£10,268,772</b>
		Not serious	£152,317	£152,317	£304,634	£304,634	£304,634	
		<b>Total</b>	<b>£1,283,597</b>	<b>£1,283,597</b>	<b>£2,567,193</b>	<b>£2,567,193</b>	<b>£2,567,193</b>	
Cost saving		Difference	£604,045	£604,045	£1,208,091	£1,208,091	£1,208,091	<b>£4,832,363</b>
		<b>NET</b>	<b>-£310,894</b>	<b>-£310,894</b>	<b>-£621,788</b>	<b>-£621,788</b>	<b>-£621,788</b>	

**Scenario 3: Effectiveness of intervention – 32% reduction in falls to those who complete – 100% of falls prevented are serious (requiring medical attention – average cost)**

		Falls (no intervention)	Yr1	Yr2	Yr3	Yr4	Yr5	5 year total
% serious	100.00%	Serious	800	800	1,600	1,600	1,600	
		Not serious	-	-	-	-	-	
		<b>Reduced falls</b>						
effectiveness	32%	Serious	544	544	1,088	1,088	1,088	
		Not serious	-	-	-	-	-	
Original cost		Serious	£2,772,744	£2,772,744	£5,545,488	£5,545,488	£5,545,488	
		Not serious	£0	£0	£0	£0	£0	
		<b>Total</b>	<b>£2,772,744</b>	<b>£2,772,744</b>	<b>£5,545,488</b>	<b>£5,545,488</b>	<b>£5,545,488</b>	<b>£22,181,953</b>
Reduced cost		Serious	£1,885,466	£1,885,466	£3,770,932	£3,770,932	£3,770,932	
		Not serious	£0	£0	£0	£0	£0	
		<b>Total</b>	<b>£1,885,466</b>	<b>£1,885,466</b>	<b>£3,770,932</b>	<b>£3,770,932</b>	<b>£3,770,932</b>	<b>£15,083,728</b>
Cost saving		Difference	£887,278	£887,278	£1,774,556	£1,774,556	£1,774,556	£7,098,225
		<b>NET</b>	<b>-£594,127</b>	<b>-£594,127</b>	<b>-£1,188,253</b>	<b>-£1,188,253</b>	<b>-£1,188,253</b>	<b>-£4,753,012</b>

The rationale for the proposed strategic focus can be further described in light of published evidence. As the Otago exercise programme (both home-based and group-based) has demonstrably reduced falls and mortality risk in older populations, including those over 80 years of age, with increased frailty (and also cognitive impairment), the strategic option of extending this provision further scaled to the population of older people in Cambridgeshire and Peterborough exists.

Comparative studies of the Otago exercise (or equivalent strength and balance programmes) in Scandinavian contexts have not found large notable differences in falls-related outcomes between home-based and group-based delivery; indications are that group setting exercises are more cost-effective for community-dwelling falls-prone older people and support broad functional outcomes for independent living<sup>6869</sup>. With some current local assets in the delivery of equivalent strength and balance classes in Cambridgeshire and Peterborough, there are opportunities to increase the scale of provision and support for delivery of these community-based interventions to those at higher risk of falls.

Of note, qualitative evidence suggests higher participation in falls-prevention exercise when older people are invited to attend by a health professional. Therefore the proposed extension of community provision would be absolutely dependent on a strong and coherent

<sup>68</sup>Pitkälä KH, Pöysti MM, Laakkonen M, et al. (2013) Effects of the Finnish Alzheimer Disease Exercise Trial (FINALEX): A Randomized Controlled Trial. JAMA Intern Med.;173(10):894-901.

<sup>69</sup>Kyrdalen, I. L., Moen, K., Røysland, A. S. and Helbostad, J. L. (2014), The Otago Exercise Program Performed as Group Training Versus Home Training in Fall-prone Older People: A Randomized Controlled Trial. Physiother. Res. Int., 19: 108–116.

clinical response to the risk of falls in the older population, with appropriate case finding and targeting, referrals, supportive interventions and record keeping. Findings that demonstrate that falls risk is not well understood and personalised by the older population suggest the wrap-around skills of health trainers, health coaches and other behaviour change specialists will also be essential in ensuring that provision is accessed by those who stand to benefit.

Learning applied from other service models for falls prevention would indicate significant advantages in single points of access, triage, and coordination of interventions.

The community-based offer of falls prevention activities is only one element of the system. The NICE guideline<sup>70</sup> for assessing risk and preventing falls centres on the delivery of multifactorial assessment of risk of falling in older people in contact with healthcare professionals (therefore representing the majority of the population aged 75 years and over) , and in light of the assessment the implementation of multifactorial interventions addressing:

- Strength and balance training
- Home hazard assessment and intervention
- Vision assessment and referral
- Medication review with modification/withdrawal

In addition, those who are discharged from acute care following medical intervention for a serious fall (estimated as 3,250 people locally) are an important population group known to be at very high risk of injurious falls. Approximately a third of patients admitted for a fall and two thirds of those admitted for a fracture from the community are discharged to a residential care setting. For those returning to living in a community setting, key interventions as identified in the local framework include the assessments of home hazards by an occupational therapist.

An analysis across studies of the impact of interventions to adapt and modify the environment in community-dwelling participants at high risk of falls generated a clinically significant effect size of a 39% reduction of falls<sup>71</sup>. There may be additional benefits in ensuring that the highest risk groups are offered and supported in accessing effective interventions.

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<sup>70</sup>Clinical Guideline 161 on Falls: Older People living in the community, 2013. Available at: <http://www.nice.org.uk/guidance/cg161/resources>

<sup>71</sup>Clemson L, Mackenzie L, Ballinger C, Close JC, Cumming RG. (2008) Environmental interventions to prevent falls in community-dwelling older people: a meta-analysis of randomized trials. J Aging Health. 2008;20(8):954-71. doi: 10.1177/0898264308324672.



The role of allied health professionals can be demonstrated throughout the falls prevention pathway - they may play a vital role in recognising those at higher risk of falls; ensuring they receive the assessments and interventions that offer the highest net savings due to the risk profile of the target groups as well as acting as strong advocates and leaders in implementing and sustaining falls prevention action locally. Appropriate training and professional development, as well as system-wide championing of falls awareness will continue to facilitate this.

Specific components of falls prevention e.g. medication reviews are also likely to generate cost saving but our current models are not sufficiently sophisticated to fully identify these.

## Recommendation

Reducing fall rates and the resultant harm is complex. On the basis of strong evidence from systematic reviews and meta-analyses, this proposal identifies important opportunities to deliver cost-effective interventions at scale with indications of cost saving and effective opportunities for action. There is clear evidence that falls prevention interventions are cost saving when modelled across the population<sup>72</sup>.

Additional actions include:

- Recognising that potential savings may require delivery of preventative approaches at much wider scale than current provision – a health-system wide emphasis on falls prevention is advocated
- Collaboration across sectors to agree which combination of clinical and population health interventions are needed locally to achieve population reductions in the incidence and consequences of falls – which would serve to consolidate the mix of interventions required
- Ensuring delivery of evidence-based interventions, for example strength and balance exercise targeted at people with heightened risk of falling, are delivered at appropriate scale and quality
- Having a system-wide approach to ensure that local assets are as effective as possible, notably, that health professionals are undertaking appropriate assessments and referring on through a consistent, comprehensive & integrated falls prevention pathway
- Integrated and high quality reporting of falls and outcomes linked to falls is fundamental to understanding where improvements can be made to reduce harm and cost
- Building on powerful strategic opportunities locally to ensure leadership, integration and sustainability.

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<sup>72</sup>Farag I., Howard K., Ferreira ML., Sherrington C. (2015) Economic modelling of a public health programme for fall prevention. *Age and Ageing* 2015; 44: 409–414. doi: 10.1093/ageing/afu195.

Falls prevention efforts are unlikely to be successful unless they are sustained at a systems level. The opportunities identified to deliver cost-effective interventions and outcomes among our older populations at risk of falling are not simply stand-alone strategies. Rather, they comprise component parts that ideally, interact synergistically to create an effective falls prevention system that will make a real difference in an area that causes pain and distress to many people every day.

# 11. Malnutrition in older people

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## Headlines

- An estimated 13,000 to 18,300 older people are malnourished in the Cambridgeshire & Peterborough population, and more are at risk
- Potential cost savings may be achieved by increasing proportion screened for malnutrition among inpatients, outpatients and new GP registrations to 90% and appropriate treatment; with investment of £524k and savings in the order of £543k primarily from reducing length of stay in acute care. At worst this intervention should not cost the NHS additional funding, and will improve quality of life for older people.

## Background

Malnutrition is measured as a Body Mass Index (BMI) lower than 18.5kg/m<sup>2</sup> or unintentional 10% weight loss. The annual health care costs associated with malnutrition are primarily due to more frequent and expensive hospital in-patient admissions, more primary care consultations and the greater long-term care needs of malnourished individuals. About two thirds of cases of malnutrition are not recognised.

## Current position

### What is the scale of the problem?

It is estimated that there are around one million older people in the UK who are malnourished or at risk of malnutrition. The vast majority (93%) of people who are malnourished or at risk of malnutrition are living in the community, with a minority in care homes (5%) or in hospital (2%). It is estimated that 25-28% of admissions to hospital and 30-41% of admissions to care homes are at risk of malnutrition.

There is a paucity of local data about the prevalence or costs of malnutrition, so local estimates are drawn from risk factors, or applying national estimates to the population; it is estimated that 10-14% of the population aged 65 years and over in England are malnourished.

## Cambridgeshire

In Cambridgeshire life expectancy at birth is significantly higher for both males and females compared to the national average, so there is potential for high prevalence of malnutrition. Applying national estimates there is an estimated 10,000 to 14,000 older residents of Cambridgeshire, or about one in 50 people in the general population, who are malnourished. In terms of lifestyle and psychosocial risk factors, approximately 29% of older people live alone in Cambridgeshire (29,000 people), and these people may also be at increased risk of malnutrition.

## Peterborough

In 2016 in Peterborough 15% of the population will be aged 65 years and over (30,416 people), indicating an estimated 3000 to 4300 older people who are malnourished.

Population changes in older people are described in the section on falls.

## The health consequences and costs

Disease-related malnutrition costs in excess of £13 billion per annum based on malnutrition prevalence figures and the associated costs of both health care and social care<sup>73</sup>. The annual health care costs associated with malnutrition are primarily due to more frequent and expensive hospital in-patient admissions, more primary care consultations and the greater long-term care needs of malnourished individuals<sup>74</sup>.

## Interventions and cost savings to the NHS

On a national level in 2013 NICE identified malnutrition as the sixth largest source for potential NHS savings<sup>75</sup>. Early identification and treatment of malnutrition in adults could save the NHS £45.5 million a year even after costs of training and screening<sup>76</sup>.

The interventions centre on screening eligible population groups, and for those identified, dietetic assessments and interventions. The cost impact of modelling for increasing the proportion of the local population screened is shown in Table 29.

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<sup>73</sup>Brotherton A, Simmonds N & Stroud M. Malnutrition Matters.Meeting Quality Standards in Nutritional Care.BAPEN. 2012.

<sup>74</sup>Brotherton A, Simmonds N & Stroud M. Malnutrition Matters.Meeting Quality Standards in Nutritional Care.BAPEN. 2012.

<sup>75</sup>Benefits of Implementation: Cost saving guidance, NICE, (updated) 2013

<sup>76</sup>National cost impact report to accompany CG32, NICE, 2006

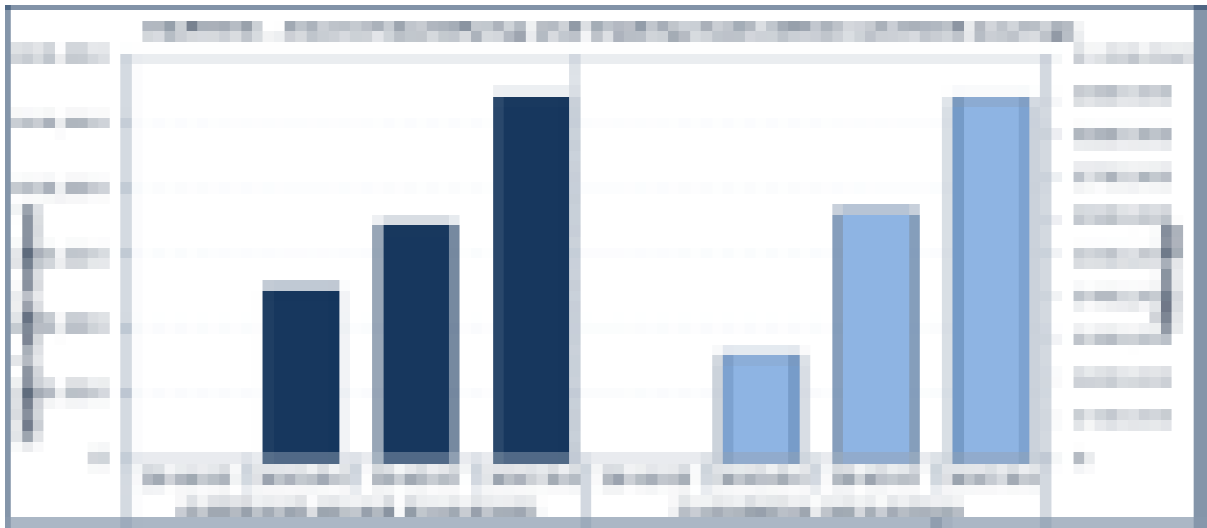
**Table 29: Cost impact of increasing proportion screened to 90% from current (national) estimates of 65% of inpatients 15% of outpatients and 10% of GP new registrations. National estimates based on expert opinion (NICE)**

	<b>Cost impact (£000s)</b>	<b>Cost impact C&amp;P CCG (£)</b>
Increase in screenings - direct costs 5-minute 'MUST' screening by a nurse in various settings	£38.9	£294,528
Increase in nutritional assessments - direct costs 45 minute assessment by a dietician, in the community or secondary care	£10.8	£81,771
Increase in nutritional interventions Includes net ingredient costs and costs associated with administration of oral supplements, enteral and parenteral nutrition	£22.0	£166,571
Additional annual investment cost		£542,870
Decrease in secondary care activity Primarily from decreased length of stays	£143.6	£1,087,254
<b>Net cost</b>	<b>£71.8</b>	<b>£543,627</b>

Source: Implementation Programme: NICE support for commissioners using the quality standard on nutrition support in adults November 2012. Applied to CCG Population April 2015 (FHS Registration System (Exeter))

There are important limitations in the model. As noted, the baseline screening proportions are based on national expert opinion; it is not known how well these align with local practice. The cost savings are realised through improved secondary care outcomes i.e. a reduction of the level of malnutrition in the population. The NICE template does not detail the inter-relationship of the elements e.g. proportion screened and proportion referred for a nutritional assessment, to allow more precise adjustments in line with local activity. The costing model does also not take into account specific interdependencies, such as the fact that those who are malnourished are less likely to respond well to treatment for other conditions, and therefore are likely to cost the NHS and social care more.

An indicative trajectory may be described as:

**Figure 18: Cost of identifying and treating malnutrition and NHS savings**

### Work already planned

Current activity to identify malnutrition and improve nutritional status in older people is not known in detail. Good practice in acute settings was highlighted in the work on malnutrition for the Cambridgeshire JSNA Primary Prevention of Ill health in older people 2014. The training of care staff and the provision of general services in the community by VCOs such as transport schemes, hot meal delivery schemes, and lunch clubs, are significant local assets.

### Cost saving prevention initiatives – possible areas of focus

As suggested by the model, focus is required on screening at key junctures, referral for assessment, and the appropriate interventions.

### Recommendations

- Potential cost savings may be achieved by increasing proportion screened for malnutrition among inpatients, outpatients and new GP registrations to 90% and appropriate treatment; investment of £524k and savings in the order of £543k primarily from reducing length of stay in acute care. At worst this intervention should not cost the NHS additional funding, and will improve quality of life for older people.

## 12. Sexual health

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### Headlines

- For every £1 invested in contraception services, there is a £11.09 saving to the NHS, rising to £13.42 for LARCs.
- It is proposed that we increase the number of women with long-acting reversible contraceptives (LARCs) by approximately 859 a year in Cambridgeshire & Peterborough. This should generate savings of £935k in 2016/17, £1.15m in 2017/18 and £1.26m in 2018/19.
- This would require an additional investment of £115k. However, the additional investment needed for Cambridgeshire, is already within the Council budget proposals for 2016/17.

### Background

Long-acting reversible contraception (LARC) is a method of contraception that requires administering less than once per cycle or month. Included in the category of LARC are the copper intrauterine devices (non-hormonal) and three progestogen-only methods of contraception (intrauterine system, injectables and the implants).

It is clear that investment in contraception services not only helps to avoid the personal and social costs of unintended pregnancies, but is also economically effective. According to the Government, the prevention of unintended pregnancy by NHS contraception services probably saves the NHS over £2.5 billion a year, and research has shown that every £1 spent on contraception services saves the NHS £117.

There is widespread agreement that increasing use of long-acting reversible contraception (LARC) in women at all stages of their reproductive lives is a vital component of the strategy to reduce unwanted fertility. Improving both access to and provision of LARC methods was recommended by the 2005 NICE guideline on LARC,<sup>1</sup> which was updated in 2014. It highlighted that these contraceptive methods were both more effective and cost efficient when compared with the most popular user-dependent methods. Long-acting reversible contraceptive methods consistently achieve superior efficacy by reducing user error.

### Current position

In 2015/16 we have seen a considerable drop in LARC activity in Cambridgeshire. This is largely due to a gap in trained GPs retiring and a new cohort of GPs being trained. This has brought the rate of LARCs down in Cambridgeshire to 68 per 1000 population, or 8,168 LARCs, compared to 82 per 1000 population, or 3,101 LARCs in Peterborough.

## Interventions and cost savings to the NHS

For every £1 invested in contraception services there is a £11.09 saving, rising to £13.42 for LARCs<sup>77</sup>. NICE estimated in 2005 that 8% shift to the use of LARCs from other types of contraception would result in £102 million savings nationally (more if those not using any contraception were factored in) e.g. population of 40,000 15-49 year old females could produce £300,000 savings at one year.

There are also costs saved to social care and longer term educational and employment outcomes.

## Work already planned

The shortfall in the sexual health budget related to the decrease in LARC activity in Cambridgeshire has been identified by the Health Committee as an area of focus, where they would like to see increased activity. The saving from this drop in activity is not anticipated for 2016/17.

## Cost saving prevention initiatives – possible areas of focus

The following two graphs and tables set out the planned future activity for LARC, the additional investment and the NHS savings per year. We have used conservative estimates of the impact of costs saved to the NHS.

For Cambridgeshire where activity levels have fallen, the ambition is to increase the number of LARCs by approximately 747 a year by 2018/19. The additional investment needed for Cambridgeshire has already been identified within the 2016/17 Public Health budget, and the savings to the NHS are estimated to be £1.1m by 2018/19.

## Cost saving prevention initiatives – possible areas of focus

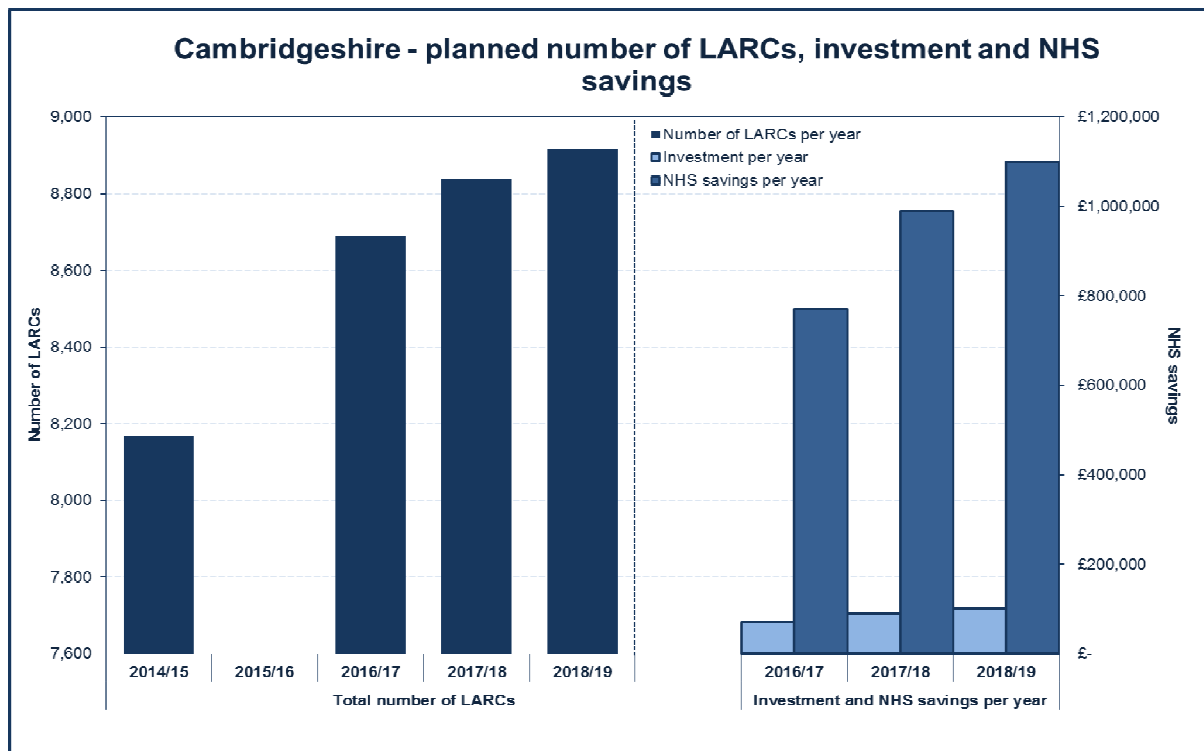
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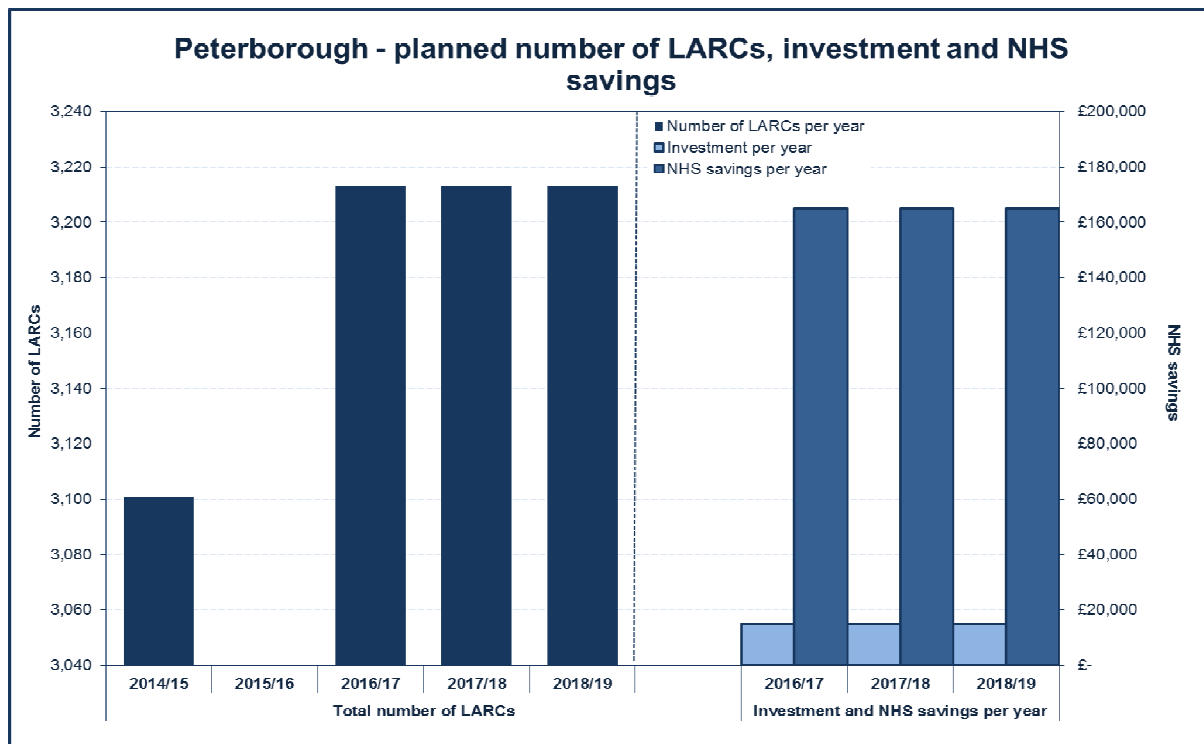
<sup>77</sup>The Cost Effectiveness of family planning service provision. D Hughes and A McGuire. Journal of Public Health medicine vol 18 No 2, pp189-196 (1996).



**Figure 19: Cambridgeshire planned number of LARCs, investment and NHS savings****Table 30: Cambridgeshire planned number of LARCs, investment and NHS savings**

Cambridgeshire	2014/15	2015/16	2016/17	2017/18	2018/19
Current activity	8,168	Projections suggest that this years activity will be broadly in line with 2014/15 or marginally lower.			
Current investment	£1,094,125				
Additional number of LARCs	-		523	672	747
Additional investment	-		£70,000	£90,000	£100,000
Savings	-		£770,000	£990,000	£1,100,000
Number of LARCs per year	-		8,691	8,840	8,915

Peterborough activity on LARCs is already fairly high and so this additional activity is based on a small increase in LARC activity of 112 LARCs a year, and additional investment of £15,000 a year. The net savings (savings after the investment costs) are £165m by 2018/19.

**Figure 20: Peterborough planned number of LARCs, investment and NHS savings****Table 31: Peterborough planned number of LARCs, investment and NHS savings**

Peterborough	2014/15	2015/16	2016/17	2017/18	2018/19
Current activity	3,101	Projections suggest that this years activity will be broadly in line with 2014/15.			
Current investment	£415,387				
Additional number of LARCs	-		112	112	112
Additional investment	-		£15,000	£15,000	£15,000
Savings	-		£165,000	£165,000	£165,000
Number of LARCs per year	-		3,213	3,213	3,213

It is important to note that the estimated number of additional LARCS is based on an average cost for the device and fitting and therefore the final number will vary depending on the type of LARC chosen.

### Recommendations

LARCs are highly cost saving to the NHS. An additional investment of £115k will generate savings of £935k in 2016/17, £1.15m in 2017/18 and £1.26m in 2018/19.

## 13. Breastfeeding

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### Headlines

- Low breastfeeding rates in the UK lead to an increased incidence of illness that has a significant cost to the health service. Investment in evidence-based multi-faceted interventions has been shown to generate savings to the health economy, in the short term, by reducing hospital admissions for four acute childhood illnesses<sup>78</sup>.
- There is evidence to suggest that breastfeeding can contribute to longer term savings through its impact on key health outcomes, including childhood obesity, but this is difficult to quantify.
- The focus should be on joint commissioning with local authorities to improve breastfeeding support, and implementing or piloting interventions in both acute and community settings. These interventions should include strengthening breastfeeding support and advice in acute settings, and easily accessible breastfeeding peer support programmes focused on the most deprived areas of the CCG.

### Background

Breast milk is the best form of nutrition for infants, and exclusive breastfeeding is recommended for the first six months (26 weeks) of an infant's life<sup>79</sup>.

Breastfeeding contributes to various important public health outcomes including<sup>80</sup>:

- reduction of the infant mortality rate;
- reduction of preventable infections and unnecessary paediatric admissions in infancy;
- the halting of the rise in obesity in under 11s;
- improving children's life outcomes and general wellbeing; and
- breaking the cycle of deprivation and reducing the impact of health inequalities.

Despite the overwhelming health benefits and cost savings of breastfeeding, initiation rates in the UK are around the lowest in Europe, and worldwide, with rapid discontinuation rates for those who do start<sup>81</sup>.

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<sup>78</sup> Renfrew MJ, et al. "Preventing disease and saving resources: the potential contribution of increasing breastfeeding rates in the UK" (2012) UNICEF. Available at:  
[http://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CCcQFjABahUKEwjxtcW\\_\\_PHIAhXLtxQKHRZqBNk](http://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CCcQFjABahUKEwjxtcW__PHIAhXLtxQKHRZqBNk)

<sup>79</sup> <http://www.nhs.uk/conditions/pregnancy-and-baby/pages/why-breastfeed.aspx>

<sup>80</sup> NICE. Dyson, L. et al. 'Promotion of breastfeeding initiation and duration Evidence into practice Briefing' (2006). Available at:  
[https://www.nice.org.uk/proxy/?sourceUrl=http%3a%2f%2fwww.nice.org.uk%2fnicemedia%2fpdf%2fEAB\\_Breastfeeding\\_final\\_version.pdf](https://www.nice.org.uk/proxy/?sourceUrl=http%3a%2f%2fwww.nice.org.uk%2fnicemedia%2fpdf%2fEAB_Breastfeeding_final_version.pdf)

Young mothers with a lower level of education and low income are the least likely to breastfeed their baby. Ethnicity is also a key factor. Across the UK, at three months, the number of mothers breastfeeding exclusively was 17% (up from 13% in 2005) and at four months, it was 12% (up from 7% in 2005). Breastfeeding initiation and prevalence of breastfeeding at 6-8 weeks is a key health improvement indicator measured in the Public Health Outcomes framework<sup>82</sup>.

### Key Facts

- Breastfed babies have a reduced risk of respiratory infections, gastroenteritis, ear infections, allergic disease and Sudden Infant Death Syndrome. Breastfed babies may have better neurological development and be at lower risk of tooth decay and cardiovascular disease in later life.
- There is evidence to suggest that breastfed babies may experience benefits that continue into later life, including being less likely to be overweight or obese.
- Breastfeeding has been shown to have benefits for both mother and baby including promoting emotional attachment between them. Women who breastfeed are at lower risk of breast cancer, ovarian cancer and hip fractures/reduced bone density.

### Current position

Breastfeeding rates at 6-8 weeks after birth are monitored through the Health Visiting contract and reported nationally to Public Health England.

Figures for quarter 1 of 2015-2016 show that; 55.4% of mothers in Cambridgeshire, and 44% in Peterborough, report that they are breastfeeding at 6-8 weeks compared to 43.4% in England. Breastfeeding levels remain lowest in areas of highest deprivation. Therefore, although rates in Cambridgeshire are better than the England average, there remains significant room for improvement.

### Interventions and cost savings to the NHS

NICE Public Health Guidance 11 on maternal and infant nutrition<sup>83</sup> identifies key interventions to improve breastfeeding initiation and duration as a priority and recommends the following. These include adopting a multi-faceted approach or a co-ordinated programme of interventions across different settings to increase breastfeeding rates.

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<sup>81</sup>DH/DCSF.(2009) 'Commissioning local breastfeeding support services'. Available at: [http://webarchive.nationalarchives.gov.uk/20130107105354/http://www.dh.gov.uk/prod\\_consum\\_dh/groups/dh\\_digitalassets/documents/digitalasset/dh\\_106497.pdf](http://webarchive.nationalarchives.gov.uk/20130107105354/http://www.dh.gov.uk/prod_consum_dh/groups/dh_digitalassets/documents/digitalasset/dh_106497.pdf)

<sup>82</sup>Public Health Outcomes Framework web tool: 2.02 Breastfeeding. Available at: <http://www.phoutcomes.info/public-health-outcomes-framework#page/7/gid/1000042/pat/6/par/E12000006/ati/102/are/E10000003/iid/20202/age/170/sex/4>

<sup>83</sup>NICE Guidance PH11: Maternal and child nutrition (2008). Available at: <http://www.nice.org.uk/guidance/ph11/chapter/1-Key-priorities#breastfeeding>

A systematic review published by UNICEF in 2012 identified economic savings from a multi-faceted intervention based on evidence-based guidelines including this NICE guidance. The study made a conservative estimate that assuming a moderate increase in breastfeeding rates, if 45% of women exclusively breastfed for four months, and if 75% of babies in neonatal units were breastfed at discharge, every year there could be an estimated £17 million gained nationally by avoiding the costs of treating four acute diseases:

- 3,285 fewer gastrointestinal infection-related hospital admissions and 10,637 fewer GP consultations, with over £3.6 million saved in treatment costs annually;
- 5,916 fewer lower respiratory tract infection related hospital admissions and 22,248 fewer GP consultations, with around £6.7 million saved in treatment costs annually;
- 21,045 fewer acute otitis media (AOM) related GP consultations, with over £750,000 saved in treatment costs annually;
- 361 fewer cases of NEC, with over £6 million saved in treatment costs annually.

There were also found to be cost savings to the NHS of over £21 million nationally, due to fewer cases of breast cancer, if half of those mothers who currently do not breastfeed were to do so for up to 18 months of their lifetime. This was based on an estimated 865 fewer cases of breast cancer nationally.

Further evidence suggests that savings could be made in relation to reducing obesity, although insufficient data was available for sophisticated economic modelling. It was estimated that increasing breastfeeding rates could lead to around a 5% reduction in childhood obesity, which would save around £1.6million each year across the UK.

Very crude modelling using these conservative national figures can be used to extrapolate possible cost savings per head of the UK population to our local population. In total the savings from the UNICEF report for the UK is £17.1 million if 45% of mothers were to exclusively breastfeed at 4 months. If this is divided by the number of UK births (45% of 776,352) you could estimate £48.80 would be saved for every baby exclusively breastfed to 4 months. If we assume an average breastfeeding rate of 15% at 4 months at present (based on the UNICEF report), it could be extrapolated that £155k might therefore be saved across Cambridgeshire and Peterborough by increasing this rate to 45%. It should be emphasised that this is a very crude calculation and estimate, and also that the economic modelling on which it is based was very conservative.

A case study in the UNICEF report of multi-faceted interventions in Lancashire (population 1.5 million, 13,000 births, deprivation, breastfeeding initiation rates 66-68%, and rates 32-39% at 6 weeks) found there was an annual cost saving of between £82-553K depending on the range of improvement in breastfeeding rates, assuming approximately £446K was spent on interventions.

### Work already planned

Promotion and support for breastfeeding is one of six key high impact priorities for health visitors and is specified in the Health Visiting Contract for Cambridgeshire and Peterborough services<sup>84</sup>.

Currently in Peterborough, the NCT are commissioned to co-ordinate the provision of 4 Baby Cafés across Peterborough and to train and manage peer supporters, working in partnership with midwifery and health visitors. In Cambridgeshire, peer support groups are largely volunteer run and led, with focus on Cambridge city and there is limited support in areas of deprivation.

However, key opportunities exist to build on the support from health visitors and provide community support and actions across health and other agencies to achieve maximum impact, and a multi-agency forum in Cambridgeshire has been working on a draft Breastfeeding strategy for Cambridgeshire.

With significant budget cuts to local authority funding, there are important opportunities for the Clinical Commissioning Group (CCG), to jointly commission relatively low cost interventions to invest in training and workforce development in acute trusts, to build community resilience and support and to focus on areas of high deprivation.

### Where should the strategic focus be?

Strategic focus should be on the core objectives outlined in NICE to achieve a multi-faceted intervention programme, which also focuses resources on parents in the most deprived areas.

### Recommendations

The focus should be on joint commissioning with local authorities to improve breastfeeding support and, implementing or piloting interventions in both acute and community settings. These interventions should include strengthening breastfeeding support and advice in acute settings, and easily accessible breastfeeding peer support programmes focused on the most deprived areas of the CCG.

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<sup>84</sup> NHS England. '2015 – 16 National Health Visiting Core Service Specification ' (2014) Available at: <https://www.england.nhs.uk/wp-content/uploads/2014/12/hv-serv-spec-dec14-fin.pdf>

# 14. Appendices

## Appendix A: What is included and what is not in this strategy

### Areas of focus and rationale

Area in scope	Intervention in scope	Rationale
Obesity, weight management, diet and physical activity (adults and older people)	Adult weight management services (non-surgical) tiers 2 and 3	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Cost saving to NHS</li> <li>Can calculate short term effectiveness</li> </ul>
	Breastfeeding support	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Can calculate global savings only.</li> </ul>
	Physical activity and brief advice	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Cost saving to NHS</li> <li>Savings long term to NHS, majority of savings in increased productivity.</li> </ul>
	Physical activity and walking interventions	<ul style="list-style-type: none"> <li>Evidence strength – Medium</li> <li>Cost saving to NHS</li> <li>Savings long term to NHS, majority of savings in increased productivity</li> </ul>
Diabetes prevention	Management of hyperglycaemia	<ul style="list-style-type: none"> <li>Management once diagnosed not addressed here. However, high level evidence supports impact of lifestyle interventions.</li> </ul>
	Focused screening/lifestyle interventions with South Asian population.	<ul style="list-style-type: none"> <li>High level evidence from NICE guidance economic modelling and subsequent modelling that this is cost saving in the long term.</li> </ul>
Cardiovascular disease	Cardiac rehabilitation	<ul style="list-style-type: none"> <li>High level evidence can reduce readmissions by 30%. Can model potential savings.</li> </ul>
	Atrial fibrillation (AF) management	<ul style="list-style-type: none"> <li>High level evidence can reduce stroke risk. Can model potential savings.</li> </ul>
	Hypertension management	<ul style="list-style-type: none"> <li>High level evidence can manage risk through lifestyle management. Can model potential savings.</li> </ul>
Supported self-care for long term conditions (LTCs)	Mental health screening and treatment for comorbid LTCs	<ul style="list-style-type: none"> <li>Currently insufficient evidence to support the implementation of routine screening for depression/anxiety.</li> <li>Medium level evidence from outside of the UK that psychological interventions for those with LTCs may be cost saving, or at least cost neutral.</li> </ul>
	Other LTC self-management programmes – diabetes, asthma management / chronic obstructive	<ul style="list-style-type: none"> <li>Evidence strength – full range from low to high.</li> <li>High level evidence COPD and cardiac</li> </ul>

	pulmonary disease (COPD), cardiac best evidence	<ul style="list-style-type: none"> <li>rehab can reduce healthcare costs.</li> <li>Possible to model potential COPD savings.</li> </ul>
Workplace health for NHS as an employer	Mental health interventions	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Potential saving to NHS</li> <li>Can calculate NHS productivity savings</li> </ul>
	Stop smoking interventions	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Cost saving to NHS</li> <li>Savings in line with smoking section</li> </ul>
	Physical activity interventions in the workplace	<ul style="list-style-type: none"> <li>Cost saving to NHS as an employer</li> <li>Can calculate productivity savings</li> </ul>
Smoking and tobacco control	Specialist smoking cessation services	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Savings to NHS</li> <li>Can calculate savings</li> </ul>
	Stop before the op	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Likely to be cost saving above standard smoking cessation</li> </ul>
	Smoking cessation in pregnancy	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Savings to NHS</li> <li>Can calculate savings</li> </ul>
Alcohol	Screening for the identification of people at risk of or misusing alcohol and brief interventions and extended brief interventions.	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Potentially cost saving to NHS</li> <li>Can calculate savings</li> </ul>
Falls in older people	Falls in older people	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Cost saving to NHS</li> <li>Can model potential savings</li> </ul>
Malnutrition in older people	Malnutrition in older people	<ul style="list-style-type: none"> <li>Evidence strength – Medium</li> <li>Can model potential savings using NICE tool.</li> </ul>
Sexual health	Contraception – Long-acting reversible contraception (LARC)	<ul style="list-style-type: none"> <li>Cost saving to NHS</li> <li>Can calculate savings</li> </ul>



## Areas and interventions out of scope

There are also a number of areas and interventions that have been considered, but are not within the scope of this plan. These areas and interventions are generally where the evidence base is not so strong, where there is less potential financial impact (or savings are not to the NHS), and/or the information is not available to model reasonable estimates of NHS savings, within the timescales of this work. **This does not mean that those interventions excluded here are not effective and worthwhile interventions, they have simply been found to be out of scope for this piece of work.**

Area out of scope	Intervention out of scope	Rationale
Mental health	Preventing postpartum depression through psychosocial and psychological interventions	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Limited cost effectiveness evidence.</li> <li>Savings wider than NHS.</li> </ul>
	Physical health interventions for those with severe mental illness e.g. smoking cessation/diet/physical activity	<ul style="list-style-type: none"> <li>Evidence strength – Medium</li> <li>No specific additional NHS savings above general lifestyle management interventions.</li> </ul>
	Tier 2 & 3 mental health services for children and young people.	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Possibly cost saving (early intervention) but levels of unmet need high</li> <li>Not possible to model NHS cost reduction as a result of intervention. Early intervention in psychosis an exception to this.</li> </ul>
	Suicide prevention – GP Suicide Prevention Training	<ul style="list-style-type: none"> <li>No cost saving to NHS</li> <li>Vast majority of savings to wider economy.</li> </ul>
Obesity and weight management	Oral health	<ul style="list-style-type: none"> <li>NICE didn't find initiatives cost saving.</li> </ul>
	Children's weight management programmes	<ul style="list-style-type: none"> <li>Evidence strength – Medium</li> <li>Potentially cost saving to NHS, but no long term evidence to base this on.</li> <li>Can calculate intervention effectiveness but not long term savings.</li> </ul>
	Physical activity and school playgrounds	<ul style="list-style-type: none"> <li>Evidence strength – Medium</li> <li>Evidence of cost savings to NHS inconclusive.</li> </ul>
Physical activity	Brief intervention and referral in primary care	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Cost saving</li> <li>Cost saving in v long term potentially. Can't quantify currently.</li> </ul>
Other Older people	Reablement	<ul style="list-style-type: none"> <li>Lack of robust evidence of NHS savings.</li> </ul>
	Flu uptake in workforce	<ul style="list-style-type: none"> <li>Lack of robust evidence of NHS savings</li> </ul>
Children	Early years centres' nutrition policy	<ul style="list-style-type: none"> <li>Evidence strength – High</li> <li>Probable cost savings to NHS, but no evidence</li> </ul>

		<ul style="list-style-type: none"> <li>No economic modelling</li> </ul>
	Parenting programmes	<ul style="list-style-type: none"> <li>Cost savings but mainly to criminal justice, education and social services</li> </ul>
Other parenting support in early years – intensive home visiting/FNP	Family Nurse partnership	<ul style="list-style-type: none"> <li>Recent evidence finds FNP not cost effective.</li> </ul>
Diet	Domestic violence interventions (IDVAs)	<ul style="list-style-type: none"> <li>Evidence strength – medium.</li> <li>Small cost savings to the NHS, majority to CJS.</li> </ul>
	Chronically excluded adults	<ul style="list-style-type: none"> <li>Evidence strength – Medium</li> <li>Possible savings to NHS but very small.</li> <li>Majority savings to criminal justice system.</li> </ul>
Social prevention	Debt advice	<ul style="list-style-type: none"> <li>Evidence strength – Medium (Low for primary care)</li> <li>Small savings to NHS but majority to wider economy.</li> </ul>
	Warm homes / reduction in fuel poverty	<ul style="list-style-type: none"> <li>Evidence strength – high.</li> <li>NHS savings difficult to calculate (are some related to COPD). Majority wider savings, and difficulties with varying intervention definitions.</li> </ul>
	Local Sugar Tax	<ul style="list-style-type: none"> <li>Issues with local implementation</li> </ul>
	Local alcohol licensing approaches	<ul style="list-style-type: none"> <li>Issues with local implementation, particularly costs of legal challenge.</li> </ul>
	Reducing social isolation	<ul style="list-style-type: none"> <li>Medium level evidence.</li> <li>Likely to be some NHS savings, but evidence not strong enough to model these.</li> <li>Community navigator type programmes promising.</li> </ul>

**Appendix B: Public Health Reference Group evidence review - matrix indicating Agency Involvement and quality of evidence (Nesta Scale)**

Note: Lower quality of evidence may be due to the nature of the intervention and how easy it is to research, rather than its overall effectiveness and impact.

Key: Quality of Evidence

High Ranking - **H** Middle Ranking - **M** Lower Ranking - **L**

No.	Intervention	CCG/NHS	CCC Public Health	CCC Children's Services	CCC Adult Services	CCC Environ-Ment/ Planning	District Councils	Voluntary Sector	Police
<b>1</b>	<b>Diet</b>								
1.1	Breastfeeding peer support	<b>H</b>	<b>H</b>	<b>H</b>				<b>H</b>	
1.2	Early years centres nutrition policy		<b>H</b>	<b>H</b>				<b>H</b>	
1.3	<i>Reducing socio-economic inequalities in obesity in children and adults</i>								
1.3.1	Targeted school based approaches		<b>M</b>	<b>M</b>					
1.3.2	Workplace health (as employer)	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>
1.3.3	Workplace health as commissioner for private sector workplaces	<b>M</b>	<b>M</b>				<b>M</b>		
1.4	Targeted primary care-delivered weight loss programmes	<b>M</b>	<b>M</b>						
1.5	Group based counselling and community engagement approaches	<b>L</b>	<b>L</b>				<b>L</b>	<b>L</b>	
<b>2</b>	<b>Weight Management Interventions</b>								

2.1	Weight Management during and after pregnancy	M	M						
2.2	Children's Weight Management Services	M	M						
2.3	Adult Weight Management Services (non-surgical)	H	H						

	Intervention	CCG/NHS	CCC Public Health	CCC Children's Services	CCC Adult Services	CCC Environment & Planning	District Councils	Voluntary Sector	Police
<b>3</b>	<b>Physical Activity programmes</b>								
3.1	Physical Activity and Young Children		M	M		M	M		
3.2	<i>Physical Activity and Workplaces</i>								
3.2.1	Workplace health (as employer)	M	M	M	M	M	M	M	M
3.2.2	Workplace health as commissioner for private sector workplaces	M	M				M		
3.3	Physical activity in the community Increasing accessibility/community engagement	L	L				L	L	
3.4	Exercise Referral	L	L				L		
3.5	Physical Activity and Brief Advice	H	H				H		
3.6	Physical activity and technology	L					L		
3.7	Physical activity and walking interventions	M	M				M	M	

<b>4</b>	<b>Physical Activity and the Physical Environment</b>								
4.1	Physical Activity and Planning		L	L		L	L		
4.2	Physical Activity and Transport		L			L	L		
	<b>Intervention</b>	<b>CCG/NHS</b>	<b>CCC Public Health</b>	<b>CCC Children's Services</b>	<b>CCC Adult Services</b>	<b>CCC Environment &amp; Planning</b>	<b>District Councils</b>	<b>Voluntary Sector</b>	<b>Police</b>
4.3	Physical Activity and Cycling					L	L		
4.4	Physical Activity and Walking (infrastructure)		L			L	L		
4.5	Physical Activity and Public Open Spaces		L			L	L		
4.6	Public Open Spaces and Public Paths					L	L		
4.7	Physical Activity and Workplaces								
4.7.1	Workplace health (as employer)	M	M	M	M	M	M	M	M
4.7.2	Workplace health as commissioner for private sector workplaces	M	M				M		
4.8	Physical Activity and School Playgrounds		M	M			M		
<b>5.</b>	<b>Older People – prevention</b>								
5.1	Older People and Malnutrition	M			M				
5.2	Older People and Physical Activity interventions	H					H		

<sup>i</sup> Dementia, disability and frailty in later life – mid-life approaches to delay or prevent onset. NICE guideline. October 2015.



**PUBLIC HEALTH REFERENCE GROUP UPDATE**

**To:** Cambridgeshire Health and Wellbeing Board

**Date:** 14<sup>th</sup> January 2015

**From:** Dr Liz Robin

**1.0 PURPOSE**

- 1.1 To provide the Cambridgeshire Health and Wellbeing Board with an update on the work of the Public Health Reference Group and its relationship to the Health System Transformation Prevention workstream. .

**2.0 PUBLIC HEALTH REFERENCE GROUP – SHORT TERM ACTION PLAN**

- 2.1 The Public Health Reference Group has identified evidence based short term actions to address the agreed priority of obesity prevention and promotion of healthy diet/physical activity. Implementation of the short term actions is commencing across partner agencies. A medium term obesity prevention/physical activity/healthy diet strategy will be developed in preparation for spring 2016. Details of the short term implementation plan are attached at Annex A.

**3.0 HEALTH SYSTEM TRANSFORMATION – PREVENTION WORKSTREAM**

- 3.1 The Public Health Reference Group has also been requested to become involved in the Health System Transformation Prevention workstream – which focusses on making savings for the local NHS through preventive programmes.
- 3.2 The Health System Transformation Prevention workstream reports through to the local Health System Transformation Programme Board. The work is also reported to a 'Tripartite Group' chaired by the Regional Director of NHS England and with representation from Monitor and the Trust Development Authority, on a monthly basis as part of wider system monitoring. .
- 2.3 The membership, work and priorities of the Public Health Reference Group (see Annex B) align closely with the work of the Health System Transformation Prevention workstream, although the Prevention workstream covers a wider range of interventions. The PHRG will remain involved in officer oversight of appropriate aspects of the Prevention workstream. However it is recognised that some preventive interventions for older people and people with established long term health conditions sit more appropriately with the Executive Partnership Board which oversees the Better Care Fund.

## 4.0 RECOMMENDATIONS

4.1 The Health and Wellbeing Board is asked to:

- Note progress with the PHRG short term actions to address obesity/diet/physical activity, and to support implementation of key actions within their organisations.
- Endorse the Public Health Reference Group playing an active role in the partnership aspects of the Health System Transformation Prevention workstream, reporting to the Health and Wellbeing Boards and CPSB.

Source Documents	Location
None	



## Annex A

<b>PUBLIC HEALTH REFERENCE GROUP: SUMMARY IMPLEMENTATION PLAN – DIET AND PHYSICAL ACTIVITY OCTOBER 2015- MARCH 2016</b>							
<b>No</b>	<b>Project name</b>	<b>Development of Existing project</b>	<b>Comm./ providers identified</b>	<b>Sustainability</b>	<b>Measurable deliverables</b>	<b>Funding</b>	<b>Approve</b>
<b>1.</b>	<b>Implementing nutrition policies for early year's centres and nurseries</b>						
1.1	Mandatory requirement that all CCC maintained nurseries have a written policy	Similar work already commissioned for primary schools	Provider: Food for life Partnership	Policy and training to support sustainability	15 nurseries -full package	<b>Total costs£20k</b>	Approved
1.2	Nurseries Healthier Options	Programme developed and established with retailers but not in nurseries	Provider: CCC PH	Provision of advice and resources to launch individual projects	15 nurseries	<b>Total costs £2k</b>	Approved
<b>2</b>	<b>Workplace Health programme for Local NHS and Councils</b>						
2.1	NHS & LA employers	Programme co-ordination developed but will require additional coordination resources	Provider:: CCC Public Health	Employer and workplace champions and peer support networks	5 workplaces recruited with champions trained	<b>£0 CCC PH</b>	Approved
2.2	Leadership and capacity- Health Champion Training	Established training programme	Provider: Business in the Community (BITC)	Critical to the sustainability of the Programme	5-10 champions trained	<b>£5k</b>	Approved
2.3	Weight Management Structured Tier 2 interventions provided on site	Local Programme in place	Provider: Everyone Health Commissioned by CCC PH	Would require ongoing funding	Programme delivered in 3 workplaces	<b>Total cost £3k</b>	Approved (pilot with evaluation) Included as part of current contract
2.4	Active Travel	Established Programme	Commissioned: CCC, ETE	Supportive of longer term behaviour change	Delivered in 3 workplaces % of employees who use an Active Travel Plan	<b>Total cost 5000 plans £9,000</b> Longer roll out timeframe	ApprovedSubject to confirmation that there is not any existing funding

2.5	Mental Health Training to build understanding of mental health issues and to build resilience	Mental Health First Aid Lite - Established programme already commissioned	Provider: Kaleidoscope Commissioned By CCC PH	Training for sustainability	Delivered in 5 workplaces	20 participants £1,200 <b>Total cost £6,000</b>	Approved and link to Higher Education sector Potential for self funding
2.6	NHS Health Checks and MOT Health Checks(for those not eligible for the former)	Established programme	Provider: Everyone Health Commissioned by CCC PH	Sustainable if part of ongoing commissioned Programme	Delivered in 3 workplaces 1000 Health Checks completed	£0 To be part of current contractual agreements	Approved
<b>3 Increasing community engagement in physical activity programme</b>							
3.1	Star Sports Programme with Nurseries and pre-schools	New programme	Provider: Living Sport Commissioned by CCC PH	Workforce upskilled to continue to deliver the Programme	120 children introduced to the Programme Staff confident to deliver the Programme	Target of 10 groups of 12 children <b>Total cost £6k</b>	Approved
3.2	Walk Buggy Play Wild	Existing Programme	Provider: Living Sport Commissioned by CCC PH	Volunteers trained to take over the Programme	5 Children's Centres recruited and offering walks.	<b>Total cost £4,800</b>	Approved subject to clarification of costs and links to Natural Health Service funding/proposal
3.3	Targeted Change 4 Life	Targeted schools	Provider: Living Sport Commissioned by CCC PH	School staff trained to take over the Programme	Targeted 5 primary and 5 secondary	Targeted <b>Total cost £7.5k</b>	Approved
3.4	Park-run	Existing Programme	Provider: Park Run Commissioned by CCC or local DC	Volunteers to assume ownership of the runs	1 scheme operational Number of participants using other schemes as a baseline	<b>Total cost £3k</b>	Approved
3.6	Forest Schools	Existing Programme	Provider: Forest	Volunteers trained to	2 schemes achieved and	<b>Total cost</b>	Approved but

			Schools Commissioned by CCC PH	deliver the courses	number of participants baseline from existing schemes	<b>£1.4k</b>	explore links to Timebanking
3.7	<b>Huntingdonshire District Council</b>						
a	Under 17s Limited Access to Services Project	Expansion and development of an existing project-targeted approach	Provider: Huntingdon DC & local partners (or the participating DC)	Ongoing costs	80 young people engaged	<b>Total costs £4.3k</b>	DCs to review the proposals and confirm participation and approach
b	Right Start Programme	Expansion and development of an existing project	Provider: Huntingdon DC (or the participating DC)	Sustainable with sufficient lead in time	Numbers based on existing baseline	<b>Total costs £3.8k</b>	DCs to review the proposals and confirm participation and approach
3.8	<b>Fenland District Council</b>						
a	Active Fenland	Development of existing project – marketing of the project	Provider : Fenland DC and Living Sport	One off marketing costs	Marketing planned and implemented	<b>Total costs £20k</b>	Proposal being taken away to identify evaluation options.
3.9	<b>NHS England/Cambridgeshire and Peterborough Commissioning Group</b>						
a	Lets get Moving	Programme implemented in different parts of the country	GP practices	Initial recruitment £0  Project implementation cost TBC for next phase	20% GP practices agreeing to provide schemes in 2016/17	<b>Total costs £0 first 6 months</b>	Approved
b	Making Every Contact Count	Expansion and development of an existing project	GP practices	Initial recruitment £0	Staff from 20% GP practices trained to make a brief intervention	<b>Total cost £0 first 6 months</b>	Approved

## Projects Transferred to Medium Term Plan

<b>4.</b>	<b>Reviewing use of new technologies locally, including self-monitoring through apps and pedometers</b> The use of technology was indicated as a theme in number of proposals, indicated below. Task and Finish Group to be formed to look at existing evidence and formulate proposals to be taken forward in the medium term plan.						
4.1	Pedometer Challenge	Existing programme	British Heart Foundation	This would be part of an evaluation programme that would focus on the use of technology to support behaviour change	Delivered in 3 workplaces  50% of those registering with the Programme report an increase in physical activity	<b>Total cost £7.5k</b>	
4.2	<b>Huntingdonshire District Council Proposals - Workplace Health Programme for Local NHS and Councils</b>						
	Reintroduce TIMEOUT	Programme formerly operated	Provider: Huntingdonshire District Council	Would require ongoing funding	100 employees recruited to the Programme	<b>Total costs £11k</b>	
4.3	<b>Fenland District Council Proposals - Workplace Health Programme for Local NHS and Councils</b>						
	Staff Leisure Scheme Introduce a new scheme for staff to access its leisure centres.	Existing schemes in existence	Provider: Fenland District Council	Would require ongoing funding	? how many	<b>£10k</b> for staff for member-ships	
4.4	Evaluation of Technology interventions	Commission an evaluation or review of the use of technologies to increase uptake of physical activity	CCC PH	Evaluation to inform development of future programmes	Evidence base for future programmes	£20k maximum	
<b>5</b>	<b>Sharing best practice on travel to work</b> This was approved as part of the Workplace Programme subject to cost review but a larger piece of work will be to review the options for implementation across the county and develop a consistent approach – for the medium term plan						
<b>6</b>	<b>Working with partners to raise its awareness of local opportunities for prevention, including physical activity and healthy diet with the voluntary sector</b> Discussions ongoing with partners and potential actions identified. For medium term plan						

**Cambridgeshire Public Health Reference Group (PHRG)****Terms of Reference****1. Purpose**

The purpose of the Cambridgeshire Public Health Reference Group (PHRG) is to provide whole system leadership and multi-agency co-ordination for public health initiatives in Cambridgeshire (*and Peterborough*) focussed on improving outcomes for residents and reducing health inequalities. The PHRG will be intelligence led - using evidence where available and gathering evidence where it does not exist, and will make best use of aligned or pooled resources while minimising duplication. It will endeavour to support local authority public health colleagues in providing the best available evidence and advice to a range of strategic Partnerships and Boards in Cambridgeshire (*and Peterborough*).

**2. Principles**

The PHRG will work to the six principles of the Cambridgeshire Health and Wellbeing Strategy:

- Reducing inequalities by improving the health of the worst off fastest
- Focus on preventing ill health by promoting healthy lifestyles while respecting people's choices and for those who have an illness, preventing their condition from worsening
- Make decisions which are based on the best possible evidence
- Develop solutions which are cost effective and efficient
- Recognise that different groups and communities have different needs
- Encourage communities to take responsibility for making healthy choices
- Make sure services are sustainable

**3. Objectives**

- i) Share information from a range of organisations on our public health priorities and initiatives, including real-time intelligence and lived experience, to build mutual understanding and work together effectively.
- ii) Act as a reference group supporting local authority colleagues in providing public health advice to strategic decision makers – this may include support for the Health and Wellbeing Board and associated partnerships, the Executive Board (vulnerable adults), Cambridgeshire Public Service Board, and NHS System Transformation Board.
- iii) Access expertise from Public Health England and academic bodies, while helping them to understand more about 'real' current issues for local people and services, and explore the potential to act a local pilot/research site for PHE/University/EU priorities and to bring in grant funding
- iv) Identify how to deliver joint public health services and innovative approaches across organisations, through alignment of budgets, commissioning and pathways; in particular taking forward priorities three, five and six of the Cambridgeshire Health and Wellbeing Strategy:
  - Priority 3: Encourage healthy lifestyles and behaviours in all actions and activities while respecting people's personal choices.

- Priority 5: Create a sustainable environment in which communities can flourish
- Priority 6: Work together effectively

#### **4. Remit and Authority**

- i) The PHRG is a reference group and co-ordinating body – individual organisations will remain accountable for the public health functions they provide and the quality of the public health advice and evidence which they offer.
- ii) The PHRG will encourage and facilitate creation of joint commissioning and other arrangements between its constituent members where appropriate.

#### **5. Frequency, Structure and Administration**

The PHRG will meet quarterly, but may establish task groups which meet more frequently. Administration will be provided by the County Council public health directorate.

#### **6. Membership**

The membership is intended to be at senior (director) level and representatives will be invited from the following organisations:

##### **Cambridgeshire County Council Public Health**

(direct link to HWB Board and County Council Health Committee)

Director of Public health

Consultant in Public Health: Health Improvement

##### ***Peterborough City Council Public Health***

*Director of Public Health*

*To be confirmed*

##### **Cambridgeshire & Peterborough Clinical Commissioning Group**

(direct link to System Transformation Board)

Chief Strategy Officer or Director of Transformation

##### **District Councils**

(direct links to local health partnerships)

Cambs City Council

South Cambs District Council

Fenland District Council

Huntingdon District Council

East Cambs District Council

##### **NHS England**

Head of public health commissioning

##### **Public Health England**

(direct link to PHE support networks and resources)

Public Health England Centre Director or local representative

**Cambridge Institute of Public Health**  
(direct link to academic knowledge base)  
Director, Cambridge Institute of Public Health  
Programme Leader MRC Epidemiology Unit

**HealthWatch**  
Chief Executive

**Voluntary sector**  
CE – Hunts District Forum, representing Cambs & Peterborough CVS

**Criminal Justice**  
CE – Cambridgeshire Police and Crime Commissioners Office

**Membership welcome from**

**Cambridgeshire County Council Directorates**  
Children Families and Adults (potentially linking to Executive Board)  
Economy Transport and Environment  
Customer Services and Transformation

**NHS Provider representative(s)**  
CUHFT represented at scoping meeting

**7. Chair**

It is proposed that the PHRG would be jointly chaired by the Director of Public Health, who links directly to the HWB Board and by a public sector CE who links directly into CPSB.

**8. Quorum**

To be confirmed

**9. Reporting Arrangements**

The Public Health Reference Group will be accountable to its constituent members and to the Health and Wellbeing Board(s) and will provide an Annual Report of its activities to the Health and Wellbeing Board(s) and to other Boards/Partnerships on request.

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**Review Date:**  
TBC





**COMMUNITY RESILIENCE STRATEGY**

To: Health and Wellbeing Board

Date: 14<sup>th</sup> January 2015

From: Sarah Ferguson, Service Director: Enhanced and Preventative Services, Children Families and Adults, Cambridgeshire County Council

**1.0 PURPOSE**

The purpose of this paper is to present Cambridgeshire County Council's (CCC) Community Resilience Strategy with objectives of:

- considering whether there are principles to explore in developing a joint approach to building resilient communities; and
- where there might be opportunities to develop joint activity.

**2.0 BACKGROUND**

- 2.1 The Community Resilience Strategy is set within the wider context of change in the approach to business planning across the County Council. This moves the Council from an incremental year on year approach to business planning, focused on specific services, to a longer term outcome-led approach to planning for the whole council. As pressure on resources continues across the public sector the challenge of providing effective public services in the midst of increasing demand and growing customer expectations requires new approaches and new thinking.
- 2.2 There is a growing body of research and evidence to show that local community-based support can be more effective in supporting some vulnerable people – and better at preventing some of the crises which necessitate costly Council services. The resilient community – whether it is defined by a shared neighbourhood (a 'community of place'), family ties, or even just a common hobby (a 'community of interest') – is therefore a key asset for investing in and protecting.

**3.0 SUPPORTING PARAGRAPHS**

- 3.1 The Council's General Purposes Committee recently agreed a Community Resilience Strategy for Cambridgeshire. This is intended to articulate and drive the way we work with local communities, proposing a fundamental shift in the way that service provision and local communities interact; essentially, repositioning the Council as part of the wider community, with a real focus on building the capacity of local people to help us to meet local needs together.

- 3.2 *Stronger Together – our strategy for building resilient communities* represents the culmination of work that has been happening across the Council on the back of two immediate imperatives:
- Diminishing public sector resources; and
  - the growing body of research and evidence to show that local community-based support can be more effective in supporting some vulnerable people – and better at preventing some of the crises which necessitate costly Council services.

The full strategy can be accessed at

<http://www2.cambridgeshire.gov.uk/CommitteeMinutes/Committees/AgendaItem.aspx?agendaItemID=12223>, and a summary is attached at Appendix A.

- 3.3 There is increasing emphasis on demand management within the Council's business plan. This strategy is central to our ability to manage demand for our services - through supporting families and communities to do more to prevent the escalation of need and also to support the most vulnerable. It will drive our work with local communities to help, for example, to support a network of opportunities for socialising to combat loneliness and isolation in older people, or to encourage local people to look out for their vulnerable neighbours. For the most vulnerable, this strategy articulates our intention to combine our own care delivery with that from local people, for example by building capacity locally to support carers with their caring, or including local community support within care plans for adults with disabilities.
- 3.4 There is evidence that community resilience and engagement can have a positive effect on the health of Cambridgeshire residents, by supporting the adoption of a healthy lifestyle as a community norm and improving engagement in health improving initiatives. Targeting efforts where people have greater health needs will have the most impact. This would include focusing on more deprived areas, on those who are isolated and do not access services, or those where increased self-care or community support is required would have a larger impact on health.
- 3.5 It is clear that the County Council can't do this alone. Joining up with Partners in local areas to build local initiatives will bring far more benefits to communities, and coherent efforts across Partners will make far more sense to local people.
- 3.6 The County Council also recognises that we need to work with our Partners to develop a joint approach to building community resilience, so this strategy is intended to pave the way for these cross-Partner discussions. The Health and Wellbeing Board is asked to consider whether there are principles we'd want to explore in developing a joint approach, and where there might be opportunities to develop our activity together.

#### **4.0 ALIGNMENT WITH THE CAMBRIDGESHIRE HEALTH AND WELLBEING STRATEGY**

- 4.1 The Strategy aligns with the with the Cambridgeshire Health and Wellbeing Strategy

**Priority 3: Encourage healthy lifestyles and behaviours in all actions and activities while respecting people's personal choices**

- There is evidence that community engagement and resilience supports the adoption of a healthy lifestyle as a community norm and engagement in health improving initiatives
- The benefits to those supported by volunteer s include improvement in health, wellbeing and independence
- Supporting community resilience builds increased social capital; cohesion, empowerment, and improved relationship with organisations.

## **5.0 IMPLICATIONS**

### **5.1 Supporting and protecting vulnerable people**

- The County Council, along with other partners in the public sector, will have to make reductions in front line services in order to meet the significant financial challenges ahead. This strategy is a key aspect of the Council's approach to mitigating the impact of those cuts on those who need support but could manage without the intervention of statutory services.

### **5.2 Resource Implications**

- There are no significant additional costs incurred in the delivery of the overall strategy, though some actions may require short-term revenue input in order to achieve identified savings (invest to save).

### **5.3 Statutory, Risk and Legal Implications**

- The strategy is designed to mitigate the impact of reductions in local government funding, and as such should help to guard against the risks identified in its corporate risk register around failure to deliver the business plan.
- There will be a continuing legal duty on local authorities to ensure that vulnerable people are not exposed to additional or unreasonable levels of risk as a result of the implementation of these strategic objectives.

### **5.4 Equality and Diversity Implications**

The following bullet point sets out details of significant implications identified by officers:

- Evidence indicates that services delivered by local people within local communities can be successful at reaching people who do not access Council or statutory services but who may need support.

### **5.5 Engagement and Consultation Implications**

- Delivery of this strategy cannot be undertaken unless there is collaboration with agencies across the system. Successful delivery will hinge upon the relationships with other agencies in local communities – at a strategic planning level as well as between people working in local areas. There have been some early discussions with voluntary sector organisations and other statutory agencies further develop a partnership approach to developing and supporting community resilience.

## 6.0 RECOMMENDATION/DECISION REQUIRED

- 6.1 The Health and Wellbeing Board is asked to consider the Community Resilience Strategy and its implications for its work and the delivery of the Health and Well Being Strategy

Source Documents	Location
<i>Stronger Together – Cambridgeshire County Council's strategy for building resilient communities</i>	Box OCT 1210 Shire Hall Cambridge  <a href="http://www2.cambridgeshire.gov.uk/CommitteeMinutes/Committees/AgendaItem.aspx?agendaItemID=12223">http://www2.cambridgeshire.gov.uk/CommitteeMinutes/Committees/AgendaItem.aspx?agendaItemID=12223</a>

## APPENDIX A

# ***Stronger Together*** - Cambridgeshire County Council's Strategy for Building Resilient Communities

The public sector faces enormous challenges in the next few years. Rising demand together with significantly reduced resources makes redesigning public services imperative. Put simply, the public sector cannot continue delivering services in the way that it does now.

Alongside this, there is a growing body of research and evidence to show that local community-based support can be more effective in supporting some vulnerable people – and better at preventing some of the crises which necessitate costly Council services. The resilient community – whether it is defined by a shared neighbourhood (a 'community of place'), family ties, or even just a common hobby (a 'community of interest') – is therefore a key asset for us to invest in and protect.

*Stronger Together* – our strategy for building resilient communities - represents the culmination of work that has been happening across the Council on the back of these two immediate imperatives. It proposes a fundamental shift in the way that service provision and local communities interact; essentially, repositioning the Council as part of the wider community, building on the strengths within individuals and communities rather than always being the provider of services.

Our vision is that Cambridgeshire will be a place where people are part of well-networked communities, and where they get the right help to play an active role within their neighbourhoods

Our strategy proposes six areas of activity. Each represents a specific part of the work we need to take forward, and there are developing action plans for each area.

The six areas are:

### **Communication**

The Council will initiate an honest conversation with the public about the reality of future public service provision and the role of the local community in the future. Within this conversation, we need to work with the community to find out what they might be able to do without our help, and how we can work better alongside local people, local groups and local community assets.

We will improve the way we gather local communication, knowledge and information so that information on very local activities and support are accessible in very local areas, for example, through community hubs.

### **People helping people**

Small, locally-driven groups are often better at meeting the needs of their own communities, and are able to lever other sources of support and funding to add value to their offer. Equally, community leaders exist

in all communities, and where these leaders have plans to build community action and community support, we will help them to do so.

We will provide information and advice to help local people to establish local activity, for example, through developing an online toolkit giving advice on sources of funding, support and training that community groups can access, and through opening up our own buildings to local community groups so that they can work alongside us.

### **Council members**

Members facilitate the flow of information and intelligence between local communities and the Council, both in identifying the issues and opportunities within their divisions, and in providing the intelligence local communities need in order to get involved.

Elected Members will identify the needs, wants and assets in the communities they represent, both in terms of vulnerable people and in terms of agencies working in the local area. Members can then act as a conduit between community groups and public services to build real grassroots partnerships to meet the local identified need.

### **Our workforce**

We need to reposition our workforce across the whole of the Council so that practice is built on a strengths-based approach, building on the strengths of each individual and their networks and neighbourhoods, rather than a focus on deficits and needs. This will mean redefining roles and responsibilities both for frontline practitioners and for management roles.

We also know that community volunteers will need to be properly trained and supported in order to carry out their roles safely and effectively. We will therefore look to expand our workforce development opportunities to include our role in identifying, encouraging or supporting people we work with to give back to help others.

### **Community spaces**

We will network best within local communities in buildings which are already well used by local people. This may be a building currently run by the Council, e.g. a library or children's centre, but may equally be a community centre or village hall. We will support the development of a network of spaces, services and activities in an area around this central hub – providing the opportunity for local service providers and local people to work together through this network to identify and respond to local issues. This network will be key to recruiting, supporting and deploying volunteers within local areas, and will link vulnerable or isolated people into sources of community support.

### **Partnerships**

The relationship between local authorities, NHS, police and housing providers needs to be more flexible, with efforts made to break down the traditional delineation between services in order to make better use of our joint capacity, and to make more sense for local people. Statutory and voluntary sectors including

faith-based organisations need to create better forums for sharing insight and jointly building platforms for commissioning and delivering services.

There is also an opportunity for public agencies to think about the contribution that can be made by the private sector and the ways that businesses can work in partnership with local authorities, not just as service deliverers but also as corporate citizens.

Further information on each of these six areas of activity and what we hope to have achieved under each of these by 2020 can be found in the full strategy document, along with some case examples of what Community Resilience looks like in practice.





**OLDER PEOPLE'S AND ADULT COMMUNITY SERVICES CONTRACT**

To: Health and Wellbeing Board

Date: 14 January 2016

From: Jessica Bawden, Director of Corporate Affairs, Cambridgeshire and Peterborough Clinical Commissioning Group

**1.0 PURPOSE**

- 1.1 This paper is to update members of Cambridgeshire Health and Wellbeing Board (HWB) on the end of the contractual arrangement for Older People's and Adult Community Services in Cambridgeshire and Peterborough.

**2.0 SUMMARY**

- 2.1 On 3 December 2015 Cambridgeshire and Peterborough Clinical Commissioning Group (CCG) and UnitingCare LLP announced that they were ending their contractual arrangement to deliver urgent care for the over 65s and adult community services.

**3. BACKGROUND**

- 3.1 This report updates the HWB on the actions taken by the CCG since the announcement that the contractual arrangement between the CCG and UnitingCare was coming to an end.
- 3.2 Immediately following the announcement, the CCG's priority was to reassure patients that older people's and adult community services are still in place and have not been disrupted by this change. Healthwatch, the voluntary sector, and other partners have been helping us to make sure that this message gets out quickly and clearly. We do not want people to be worried about their care. We have advertised the Patient Advice and Liaison Service (PALS) widely for those patients or carers who might have further questions.
- 3.3 If patients or carers have any concerns they can call PALS at Cambridgeshire and Peterborough NHS Foundation Trust (CPFT) on the Freephone telephone number 0800 376 0775.
- 3.4 We also wanted to quickly reassure staff working in these services. All staff working for UnitingCare are employed by CPFT or Cambridge University Hospitals NHS Foundation Trust (CUHFT). UnitingCare, CPFT, and CUHFT supported us in reassuring staff and ensuring all staff received the same clear messages at the same time. We are clear that frontline staff are vital to ensuring we maintain good quality, integrated care for our patients.
- 3.5 Since 4 December the CCG and UnitingCare have been working to ensure a smooth transition of contracts. The CCG and UnitingCare have, together, spoken to all the organisations who are involved in providing care for older people and adult community services across Cambridgeshire and Peterborough.

- 3.6 UnitingCare was the accountable lead provider and service integrator but it is important to understand that it did not directly deliver any front-line care itself; it held sub-contracts with a range of providers to deliver the integrated pathway for older people and adult community services. All the NHS and independent sector providers were contacted and we were pleased by the practical and swift response from all those providers. We have had assurance from all of them that they can continue to deliver the services and that patients will not see any changes to their care. We are now working through the change of contractual arrangements with all providers.
- 3.7 All partners are clear that an outcomes-based, integrated care model delivers benefits for patients and for the whole health economy. We wish to maintain this approach.
- 3.8 Over coming months we will be looking at all the workstreams that UnitingCare had established, and those in development. We will be looking in detail at each of those projects and deciding which will continue to bring benefits to patients and which we may need to reassess. These decisions will be taken carefully as we are still clear that we wish to deliver the agreed outcomes, and support the good work that has been done so far to deliver more joined-up care for patients. We will be working closely with Local Authority colleagues in this process, and taking into account the Better Care Fund workstreams.
- 3.9 In relation to the terms of the end of the contract and the financial implications moving forward Cambridgeshire and Peterborough Clinical Commissioning Group and UnitingCare LLP and its partners continue to be in detailed discussions and we are not in a position to comment further until these discussions are over.
- 3.10 We are very aware that this means that a number of questions cannot be answered at this stage but we will, of course, be reviewing internally what has worked well and what we would do differently. However, we are clear that only by working together across providers can we adequately meet patient need in a challenged health economy.

#### **4.0 RECOMMENDATION**

- 4.1 The members of the Health and Wellbeing Board are asked to note this report.

<b>SOURCE DOCUMENTS</b>	<b>LOCATION</b>
None	