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FOREWORD

The NHS may be the proudest achievement of our modern society.

It was founded in 1948 in place of fear - the fear that many people had of being unable to afford medical treatment for themselves and their families. And it was founded in a spirit of optimism - at a time of great uncertainty, coming shortly after the sacrifices of war.

Our nation remains unwavering in that commitment to universal

EXECUTIVE SUMMARY

1. The NHS has dramatically improved over the past fifteen years. Cancer and cardiac outcomes are better; waits are shorter; patient satisfaction much higher. Progress has continued even during global recession and austerity thanks to protected funding and the commitment of NHS staff. But quality of care can be variable, preventable illness is widespread, health inequalities deep-rooted. Our patients' needs are changing, new tre-2(U)-1(T)-9iddsth2vlth2vrch hi44ed1

- Changes in health services funding growth. Given the after-effects of the global recession, most western countries will continue to experience budget pressures over the next few years, and it is

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Targeted prevention. While local authorities now have responsibility for many broad based public health programmes, the NHS has a distinct role in secondary prevention. Proactive primary care is central to this, as is the more systematic use of evidence-based intervention strategies. We also need to make different investment decisions - for example, it makes little sense that the NHS is now spending more on bariatric surgery for obesity than on a national roll-out of intensive lifestyle intervention programmes that were first shown to cut obesity and prevent diabetes over a decade ago. Our ambition is to change this over the next five years so that we become the first country to implement at scale a national evidence-based diabetes prevention programme modelled on proven UK and international models, and linked where appropriate to the new Health Check. NHS England and Public Health England will establish a preventative services programme that will then expand evidence-based

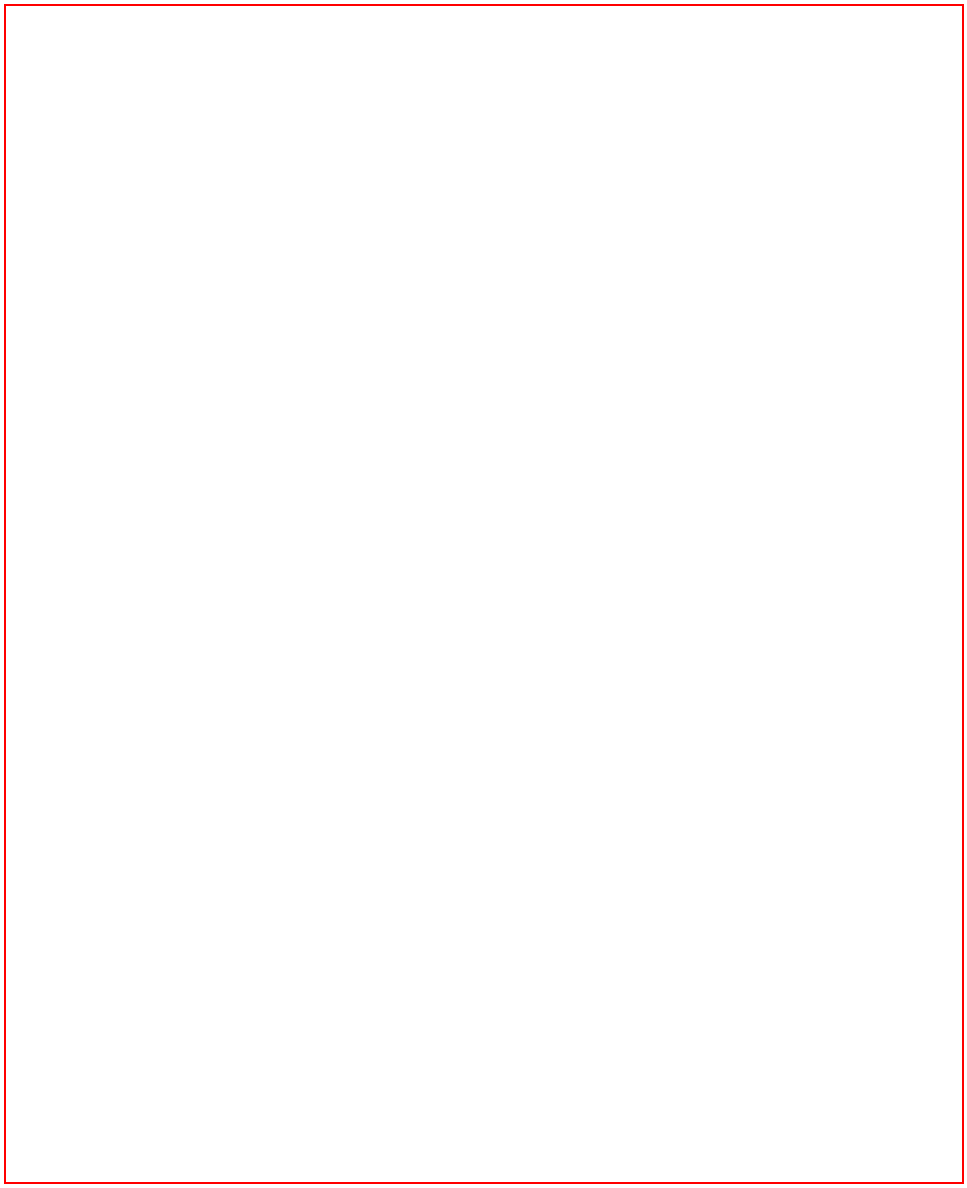
areas and trained in basic life support. New roles which have been proposed could include family and carer liaison, educating people in the management of long-term conditions and helping with vaccination programmes. We also intend to work with carers organisations to support new volunteer programmes that could provide emergency help when carers themselves face a crisis of some kind, as well as better matching volunteers to the roles where they can add most value.

Stronger partnerships with charitable and voluntary sector organisations. When funding is tight, NHS, local authority and central government support for charities and voluntary organisations is put under pressure. However these voluntary organisations often have an impact well beyond what statutory services alone can achieve. Too often the NHS conflates the voluntary sector with the idea of volunteering, whereas these organisations provide a rich range of activities, including information, advice, advocacy and they deliver vital services with paid expert staff. Often they are better able to reach underserved groups, and are a source of advice for commissioners on particular needs. So in addition to other steps the NHS will take, we will seek to reduce the time and complexity associated with securing local NHS funding by developing a short national alternative to the standard NHS contract where grant funding may be more appropriate than burdensome contracts, and by encouraging funders to commit to multiyear funding wherever possible.

and out of normal hours - for everything from cuts and bumps to diabetes management to th nnf.14

outer ring around Manchester and the outer ring around London. So do many other parts of the country.

That's why our approach will be to identify the characteristics of similar health communities across England, and then jointly work with them to consider which of the new options signalled by this Forward View constitute viable ways forward for their local health and care services



inpatient care being supervised by a new cadre of resident 'hospitalists' – something that already happens in other countries.

- They could in time take on delegated responsibility for managing the health service budget for their registered patients. Where funding is pooled with local authorities, a combined health and social care budget could be delegated to Multispecialty Community Providers.

- These new models would also draw on the 'renewable energy' of carers, volunteers and patients themselves, accessing hard-to-reach groups and taking new approaches to changing health behaviours.

There are already a number of practices embarking on this journey, including high profile examples in the West Midlands, London and elsewhere. For example, in Birmingham, one partnership has brought together 10 practices employing 250 staff to serve about 65,000 patients on 13 sites. It will shortly have three local hubs with specialised GPs that will link in community and social care services while providing central out-of-hours services using new technology.

To help others who want to evolve in this way, and to identify the most promising models that can be spread elsewhere, we will work with emerging practice groups to address barriers to change, service models, access to funding, optimal use of technology, workforce and infrastructure. As with the other models discussed in this section, we will also test these models with patient groups and our voluntary sector partners.

New care model – Primary and Acute Care Systems (PACS)

A range of contracting and organisational forms are now being used to better integrate care, including lead/prime providers and joint ventures.

We will now permit a new variant of integrated care in some parts of England by allowing single organisations to provide NHS list-based GP and hospital services, together with mental health and community care services.

The leadership to bring about these 'vertically' integrated Primary and Acute Care Systems (PACS) may be generated from different places in different local health economies.

- In some circumstances – such as in deprived urban communities where local general practice is under strain and GP recruitment is proving hard – hospitals will be permitted to open their own GP surgeries with registered lists. This would allow the accumulated surpluses and investment powers of NHS Foundation Trusts to kick-start the expansion of new style primary care in areas with high health inequalities. Safeguards will be needed to ensure that they do

this in ways that reinforce out-of-hospital care, rather than general practice simply becoming a feeder for hospitals still providing care in the traditional ways.

- In other circumstances, the next stage in the development of a mature Multispecialty Community Provider (see section above) could be that it takes over the running of its main district general hospital.

- At their most radical, PACS would take accountability for the whole health needs of a registered list of patients, under a delegated capitated budget -

- Developing networks of linked hospitals that ensure patients with the most serious needs get to specialist emergency centres - drawing on the success of major trauma centres, which have saved 30% more of the lives of the worst injured.

- Ensuring that hospital patients have access to seven day services where this makes a clinical difference to outcomes.

- Proper funding and integration of mental health crisis services, including liaison psychiatry.

- A strengthened clinical triage and advice service that links the system together and helps patients navigate it successfully.

- New ways of measuring the quality of the urgent and emergency services; new funding arrangements; and new responses to the workforce requirements that will make these new networks possible.

New care model – viable smaller hospitals

Some commentators have argued that smaller district general hospitals should be merged and/or closed. In fact, England already has one of the more centralised hospital models amongst advanced health systems. It is right that these hospitals should not be providing complex acute services where there is evidence that high volumes are associated with high quality. And some services and buildings will inevitably and rightly need to be re-provided in other locations - just as they have done in the past and will continue to be in every other western country.

However to help sustain local hospital services where the best clinical solution is affordable, has the support of local commissioners and communities, we will now take three sets of actions.

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forthcoming Dalton Review, we intend to promote at least three new models:

- In one model, a local acute hospital might share management either of the whole institution or of their 'back office' with other similar hospitals not necessarily located in their immediate vicinity. These type of 'hospital chains' already operate in places such as Germany and Scandinavia.

- In another new model, a smaller local hospital might have some of its services on a site provided by another specialised provider – for example Moorfields eye hospital operates in 23 locations in London and the South East. Several cancer specialist providers are also considering providing services on satellite sites.

- And as indicated in the PACS model above, a further new option is that a local acute hospital and its local primary and community services could form an integrated provider.

New care model - specialised care

In some services there is a compelling case for greater concentration of care. In these services there is a strong relationship between the number of patients and the quality of care, derived from the greater experience these more practiced clinicians have, access to costly specialised facilities and equipment, and the greater standardisation of care that tends to occur. For example, consolidating 32 stroke units to 8 specialist ones in London achieved a 17% reduction in 30-day mortality and a 7% reduction in patient length of stay.

The evidence suggests that similar benefits could be had for most specialised surgery, and some cancer and other services. For example, in Denmark reducing by two thirds the number of hospitals that perform colorectal cancer surgery has improved post-operative mortality after 2 years by 62%. In Germany, the highest volume centres that treat prostate cancer have substantially fewer complications. The South West London Elective Orthopaedic Centre achieves lower post-operative complication rates than do many hospitals which operate on fewer patients.

In services where the relationship between quality and patient volumes is this strong, NHS England will now work with local partners to drivatit0.008i Tw 6.0.0

the UK Strategy for Rare Diseases, we will also explore establishing specialist centres for rare diseases to improve the coordination of care for their patients.

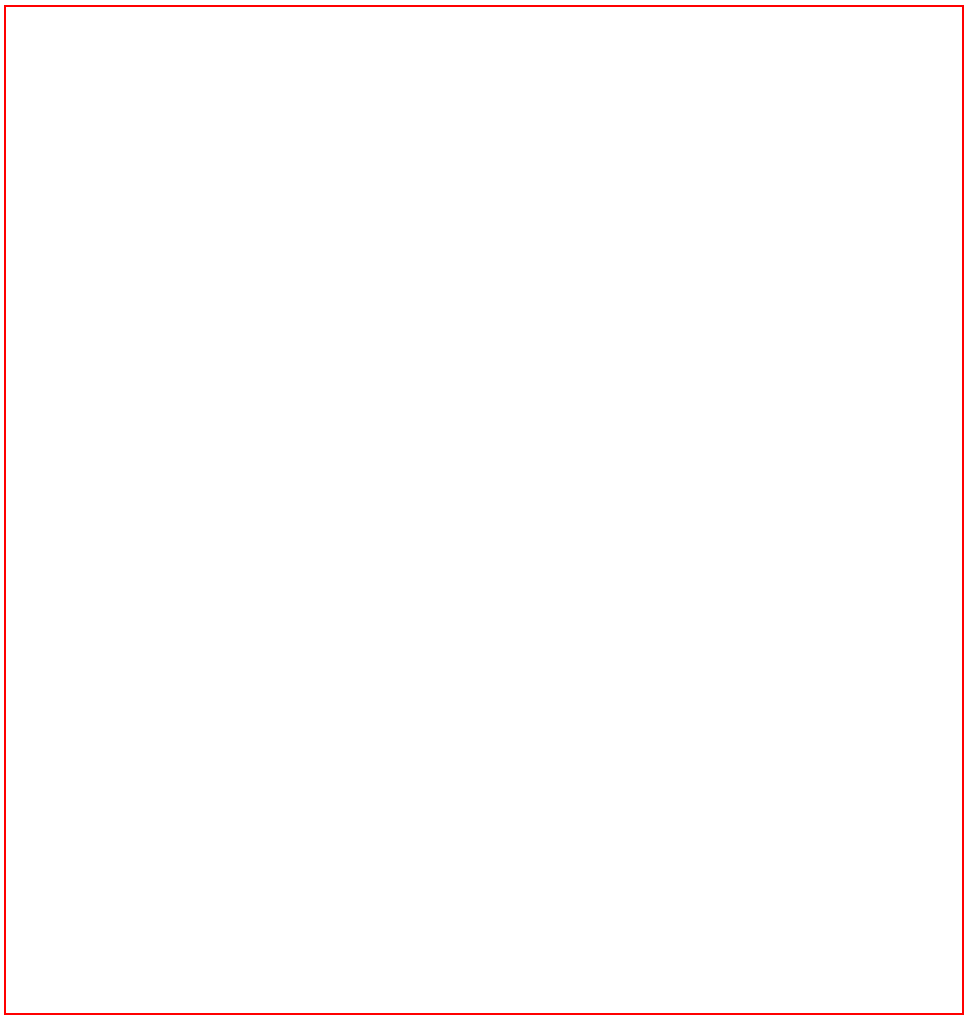
New care model - modern maternity services

Having a baby is the most common reason for hospital admission in England. Births are up by almost a quarter in the last decade, and are at their highest in 40 years.

Recent research shows that for low risk pregnancies babies born at midwife-led units or at home did as well as babies born in obstetric units, with fewer interventions. Four out of five women live within a 30 minute drive of both an obstetric unit and a midwife-led unit, but research by the Women's Institute and the National Childbirth Trust suggests that while only a quarter of women want to give birth in a hospital obstetrics unit, over 85% actually do so.

To ensure maternity services develop in a safe, responsive and efficient manner, in addition to other actions underwaye

hundred million pounds on bodies that directly or indirectly could support this work, but the way in which improvement and clinical engagement happens can be fragmented and unfocused. We will therefore create greater alignment in the work of strategic clinical networks, clin



fortnight. We also want to expand access standards to cover a comprehensive range of mental health services, including children's services, eating disorders, and those with bipolar conditions. We need new commissioning approaches to help ensure that happens, and extra staff to coordinate such care. Getting there will require further investment.

CHAPTER FOUR
How will we get there?

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We will provide aligned national NHS leadership

NHS England, M

behaviours to deliver it. That's why el73ecd64.jie(1u-ar(de u(es-4(te 71 -.0)1)% te)6(

recruitment and retention in parts of the country and in occupations where vacancies are high.

We will exploit the information revolutipT3T

professionals see how they are performing compared to others and improve; to help patients make informed choices; and to help CCGs and NHS England commission the best quality care.

- An expanding set of NHS accredited health apps that patients will be able to use to organise and manage their own health and care; and the development of partnerships with the voluntary sector and industry to support digital inclusion.

- Fully interoperable electronic health records so that patients' records are largely paperless. Patients will have full access to t/5-8(o)-11()-1(l)-.6788 Tw /5-

We should be both optimistic and ambitious for the further advances that lie within our reach. Medicine is becoming more tailored to the individual; we are moving from one-size-fits-all to personalised care offering higher cure rates and fewer side effects. That's why, for example, the NHS and our partners have begun a ground-breaking new initiative launched by the Prime Minister which will decode 100,000 whole genomes within the NHS. Our clinical teams will support this applied research to help improve diagnosis and treatment of rare diseases and cancers.

Steps we will take to speed innovation in new treatments and diagnostics include:

- The NHS has the opportunity radically to cut the costs of conducting Randomised Controlled Trials (RCTs), not only by streamlining approval processes but also by harnessing clinical technology. We will support the rollout of the Clinical Practice Research Datalink, and efforts to enable its use to support observational studies and quicker lower cost RCTs embedded within routine general practice and clinical care.

- In some cases it will be hard to test new treatment approaches using RCTs because the populations affected are too small. NHS England already has a £15m a year programme, administered by NICE, now called "commissioning through evaluation" which examines real world clinical evidence in the absence of full trial data. At a time when

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partners—including patients and voluntary sector organisations—a number of new mechanisms for achieving this.

Accelerating innovation in new ways of delivering care

Many of the innovation gains we should be aiming for over the next five or so years probably won't come from new standalone diagnostic technologies or treatments - the number of these blockbuster 'silver bullets' is inevitably limited.

But we do have an arguably larger unexploited opportunity to combine different technologies and changed ways of working in order to transform care delivery. For example, equipping house-bound elderly patients who suffer from congestive heart failure with new biosensor technology that can be remotely monitored can enable community nursing teams to improve outcomes and reduce hospitalisations. But any one of these components by itself produces little or no gain, and may in fact just add cost. So instead we need what is now being termed 'combinatorial innovation'.

The NHS will become one of the best places in the world to test innovations that require staff, technology and funding all to align in a health system, with universal coverage serving a large and diverse population. In practice, our track record has been decidedly mixed. Too often single elements have been 'piloted' without other needed components. Even where 'whole system' innovations have been tested, the design has sometimes been weak, with an absence of control groups plus inadequate and rushed implementation. As a result they have produced limited empirical insight.

Over the next five years we intend to change that. Alongside the approaches we spell out in chapter three, three of the further mechanisms we will use are:

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use of ambulance and A&E services. Further work will also be undertaken on behavioural ‘nudge’ type policies in health care.

- We will explore the devM3lTj0.0012(W)-2(e w)-1.163 To427e21mvi221nud-4(o41

Our ambition, however, would be for the NHS to achieve 2% net efficiency gains each year for the rest of the decade – possibly increasing to 3% over time. This would represent a strong performance - compared with the NHS' own past, compared with the wider UK economy, and with other countries' health systems. It would require investment in new care models and would be achieved by a combination of "catch up" (as less efficient providers matched the performance of the best), "frontier shift" (as new and better ways of working of the sort laid out in chapters three and four are achieved by the whole sector), and moderating demand increases which would begin to be realised towards the end of the second half of the five year period (partly as described in chapter two). It would improve the quality and responsiveness of care, meaning patients getting the 'right care, at the right time, in the right setting, from the right caregiver'. The Nuffield Trust for example calculates that doing so could avoid the need for another 17,000 hospital beds - equivalent to opening 34 extra 500-bedded hospitals over the next five years.

Funding

NHS spending has been protected over the past five years, and this has helped sustain services. However, pressures are building. In terms of future funding scenarios, flat real terms NHS spending overall would represent a continuation of current budget protection. Flat real terms NHS spending per person would take account of population growth. Flat NHS spending as a share of GDP would differ from the long term trend in which health spending in industrialised countries tends to rise a share of national income.

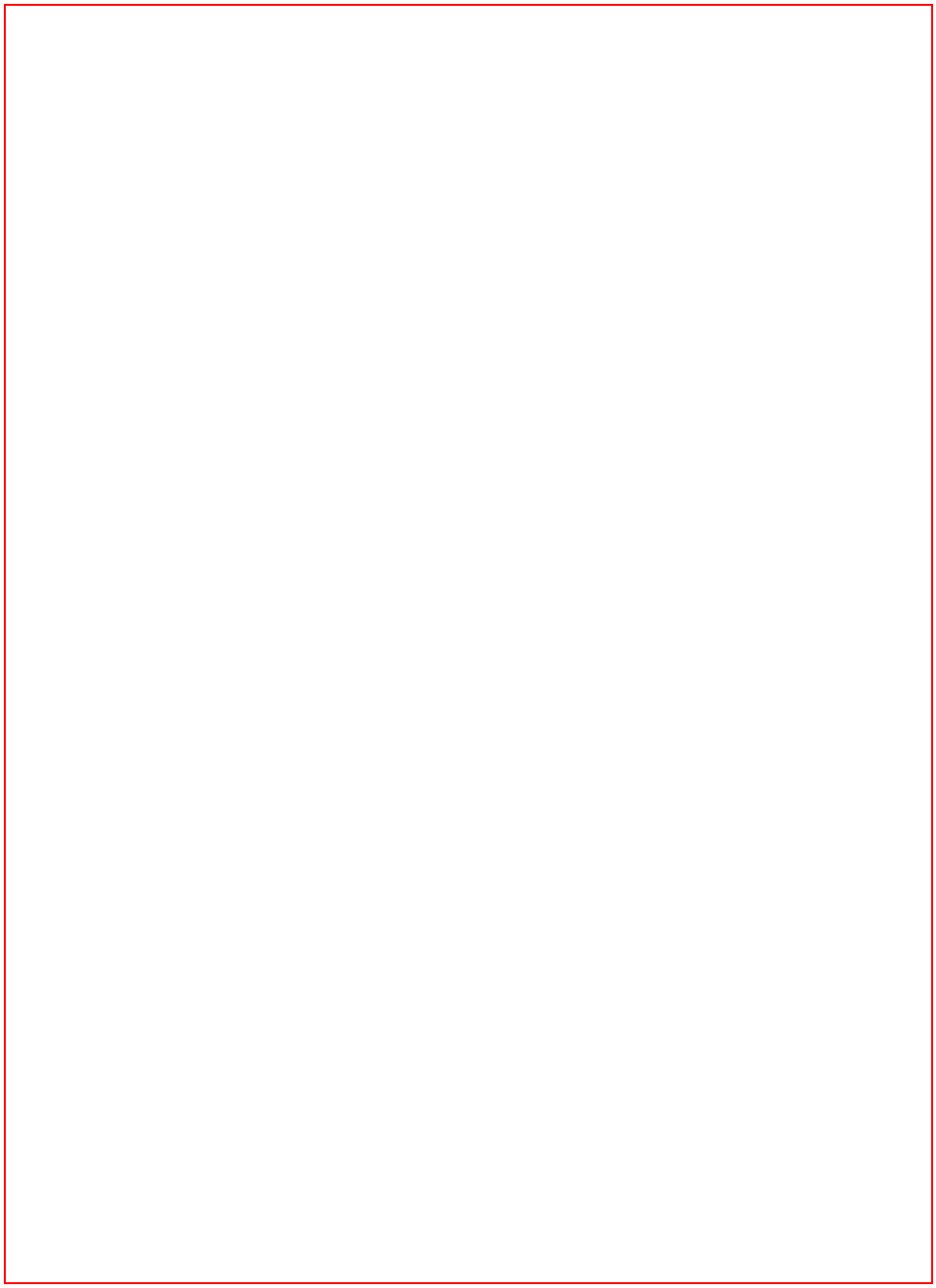
Depending on the combined efficiency and funding option pursued, the effect is to close the £30 billion gap by one third, one half, or all the way.

- In scenario one, the NHS budget remains flat in real terms from 2015/16 to 2020/21, and the NHS delivers its long run productivity gain of 0.8% a year. The combined effect is that the £30 billion gap in 2020/21 is cut by about a third, to £21 billion.

- In scenario two, the NHS budget still remains flat in real terms over the period, but the NHS delivers stronger efficiencies of 1.5% a year. The combined effect is that the £30 billion gap in 2020/21 is halved, to £16 billion.

- In scenario three, the NHS gets the needed infrastructure and operating investment to rapidly move to the new care models and ways of working described in this Forward View, which in turn enables demand and efficiency gains worth 2%-3% net each year. Combined with staged funding increases close to 'flat real per person' the £30 billion gap is closed by 2020/21.

Decisions on these options will inevitably need to be taken in the context of how the UK economy overall is performing, during the next Parliament. However nothing in the analysis above suggests that continuing with a comprehensive tax-funded NHS is intrinsically undoable – instead it



also work to expand access to screening, for example, by extending breast cancer screening to additional age groups, and spreading the use of screening for colorectal cancer. As well as supporting clinicians to spot cancers earlier, we need to support people to visit their GP at the first sign of something suspicious. If we are able to deliver the vision set out in this Forward View at sufficient pace and scale, we believe that over the next five years, the NHS can deliver a 10% increase in those patients diagnosed early, equivalent to about 8,000 more patients living longer than five years after diagnosis.

Better treatment and care for all. It is not enough to improve the rates of diagnosis unless we also tackle the current variation in treatment and 5(h)2(t)-c 0.087 Tw 2.56(a)1t0.06-1(9 Tc 0.26(r llW-9(v)-5m2-6(a)s-1.31(e)2(-1(r)2(r)2(r)

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ABBREVIATIONS

A&E	Accident & Emergency
AHSCs	Academic Health Science Centres
AHSNs	Academic Health Science Networks
BCF	Better Care Fund
CCGs	Clinical Commissioning Groups
CQC	Care Quality Commission
CT	Computerised Tomography
EBITDA	Earnings before interest, taxes, depreciation and amortisation
GP	General Practitioner
HEE	Health Education England
IPC	Integrated Personal Commissioning
IVF	In Vitro Fertilisation
LTCs	Long term conditions
NHS IQ	NHS Improving Quality
NHS TDA	NHS Trust Development Authority
NIB	National Information Board
NICE	National Institute for Health and Care Excellence