

Protecting and improving the nation's health

# CVD: Primary Care Intelligence Packs

### NHS Lincolnshire East CCG

June 2017 Version 1

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### Introduction

This intelligence pack has been compiled by GPs and nurses and pharmacists in the Primary Care CVD Leadership Forum in collaboration with the National Cardiovascular Intelligence Network

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Primary Care CVD

### Local intelligence as a tool for clinicians and commissioners to improve outcomes for our patients

Why should we use this CVD Intelligence Pack

The high risk conditions for cardiovascular disease (CVD) - such as hypertension, atrial fibrillation, high cholesterol, diabetes, non-diabetic hyperglycaemia and chronic kidney disease - are the low hanging fruit for prevention in the NHS because in each case late diagnosis and suboptimal treatment is common and there is substantial variation. High quality primary care is central to improving outcomes in CVD because primary care is where much prevention and most diagnosis and treatment is delivered.

This cardiovascular intelligence pack is a powerful resource for stimulating local conversations about quality improvement in primary care. Across a number of vascular conditions, looking at prevention, diagnosis, care and outcomes, the data allows comparison between clinical commissioning groups (CCGs) and between practices.

This is not about performance management because we know that variation can have more than one interpretation. But patients have a right to expect that we will ask challenging questions about how the best practices are achieving the best, what average or below average performers could do differently, and how they could be supported to perform as well as the best.

#### How to use the CVD intelligence pack

The intelligence pack has several sections – CVD prevention, hypertension, stroke and atrial fibrillation (AF), diabetes, kidney disease, heart disease and heart failure. Each section has one slide of narrative that makes the case and asks some questions. This is followed by data for a number of indicators, each with benchmarked comparison between CCGs and between practices.

Use the pack to identify where there is variation that needs exploring and to start asking challenging questions about where and how quality could be improved. We suggest you then develop a local action plan for quality improvement – this might include establishing communities of practice to build clinical leadership, systematic local audit to get a better understanding of the gaps in care and outcomes, and developing new models of care that mobilise the wider primary care team to reduce burden on general practice.

#### Data and methods

This slide pack compares the clinical commissioning group (CCG) with CCGs in its strategic transformation plan (STP) and England. Where a CCG is in more than one STP, it has been allocated to the STP with the greatest geographical or population coverage. The slide pack also compares the CCG to its 10 most similar CCGs in terms of demography, ethnicity and deprivation. For information on the methodology used to calculate the 10 most similar CCGs please go to: http://www.england.nhs.uk/resources/resources-for-ccgs/comm-for-value/

The 10 most similar CCGs to NHS Lincolnshire East CCG are: NHS Great Yarmouth and Waveney CCG NHS South Devon and Torbay CCG NHS North Derbyshire CCG NHS West Norfolk CCG NHS Isle of Wight CCG NHS Eastbourne, Hailsham and Seaford CCG NHS Northumberland CCG NHS Northumberland CCG NHS Hastings and Rother CCG NHS Wyre Forest CCG NHS South Kent Coast CCG

The majority of data used in the packs is taken from the 2015/16 Quality and Outcomes Framework (QOF). Where this is not the case, this is indicated in the slide. All GP practices that were included in the 2015/16 QOF are included. Full source data are shown in the appendix.

For the majority of indicators, the additional number of people that would be treated if all practices were to achieve as well as the average of the top achieving practices is calculated. This is calculated by taking an average of the intervention rates (ie the denominator includes exceptions) for the best 50% of practices in the CCG and applying this rate to all practices in the CCG. Note, this number is not intended to be proof of a realisable improvement; rather it gives an indication of the magnitude of available opportunity.

## Why does variation matter?

The variation that exists between demographically similar CCGs and between practices illustrates the local potential to improve care and outcomes for our patients

Benchmarking is helpful because it highlights variation.

Of course it has long been acknowledged that some variation is inevitable in the healthcare and outcomes experienced by patients.

But John Wennberg, who has championed research into clinical variation over four decades and who founded the pioneering Dartmouth Atlas of Health Care, concluded that much variation is unwarranted – ie it cannot be explained on the basis of illness, medical evidence, or patient preference, but is accounted for by the willingness and ability of doctors to offer treatment. A key observation about benchmarking data is that it does not tell us why there is variation. Some of the variation may be explained by population or case mix and some may be unwarranted. We will not know unless we investigate.

Benchmarking may not be conclusive. Its strength lies not in the answers it provides but in the questions it generates for CCGs and practices.

For example:

- 1. How much variation is there in detection, management, exception reporting and outcomes?
- 2. How many people would benefit if average performers improved to the level of the best performers?
- 3. How many people would benefit if the lowest performers matched the achievement of the average?
- 4. What are better performers doing differently in the way they provide services in order to achieve better outcomes?
- 5. How can the CCG support low and average performers to help them match the achievement of the best?
- 6. How can we build clinical leadership to drive quality improvement?

There are legitimate reasons for exception reporting. But .....

Excepting patients from indicators puts them at risk of not receiving optimal care and of having worse outcomes. It is also likely to increase health inequalities. The substantial variation seen in exception reporting for some indicators suggests that some practices are more effective than others at reaching their whole population. Benchmarking exception reporting allows us to identify the practices that need support to implement the strategies adopted by low excepting practices.

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### Cluster methodology: your most similar practices

Each practice has been grouped on the basis of demographic data into 15 national clusters. These demographic factors cover:

- deprivation (practice level)
- age profile (% < 5, % < 18, % 15-24, % 65+, % 75+, % 85+)
- ethnicity (% population of white ethnicity)
- practice population side

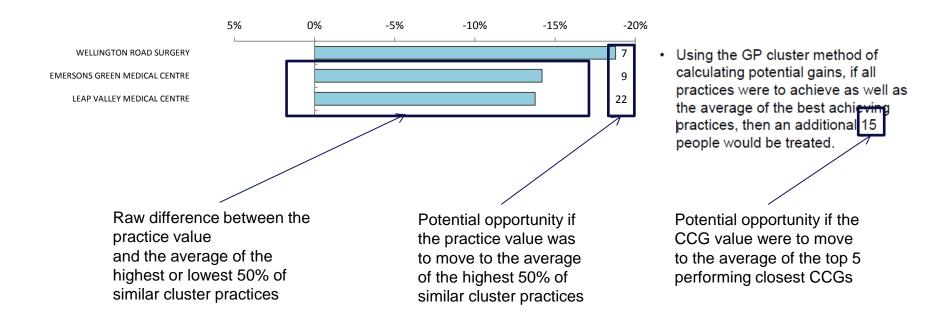
These demographic factors closely align with those used to calculate the "Similar 10 CCGs".

These demographic factors have been used to compare practices with similar populations to account for potential factors which may drive variation. Some local interpretation will need to be applied to the data contained within the packs as practices with significant outlying population characteristics e.g. university populations or care home practices will need further contextualisation.

Further detailed information including full technical methodology and a full PDF report on each of the 15 practice clusters is available here: <u>https://github.com/julianflowers/geopractice</u>.

### Cluster methodology: calculating potential gains

The performance of every practice in the GP cluster contributes to the average of the top performing 50% of practices to form a benchmark.



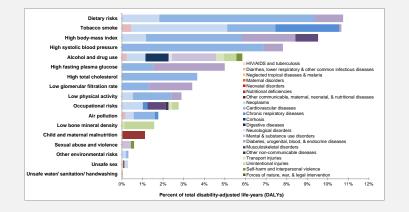
The difference between the benchmark and the selected practices is displayed on this chart. The benchmark will most likely be different for different practices as they are in different clusters, so the difference is the key measure here. If the practice performance is below the benchmark, the difference is applied to the denominator plus exceptions to demonstrate potential gains on a practice basis. The potential gains on a CCG basis are calculated based on the difference between the top 5 performing closest CCGs and the selected CCG, applied to the denominator plus exceptions.

## **CVD** prevention

## **CVD** prevention

"The NHS needs a radical upgrade in prevention if it is to be sustainable" 5 year Forward View 2014

This is because England faces an epidemic of largely preventable non-communicable diseases, such as heart disease and stroke, cancer, Type 2 diabetes and liver disease.



The Global Burden of Disease Study (next slide) shows us that the leading causes of premature mortality include diet, tobacco, obesity, raised blood pressure, physical inactivity and raised cholesterol. The radical upgrade in prevention needs population-level approaches. But it also needs interventions in primary care for individuals with behavioural and clinical risk factors. The size of the prevention problem

- 2/3 of adults are obese or overweight
- 1/3 of adults are physically inactive
- average smoking prevalence is 17% but is much higher in some communities
- in high risk conditions like atrial fibrillation, high blood pressure, diabetes and high ten year CVD risk score, up to half of all people do not receive preventive treatments that are known to be highly effective at preventing heart attacks and strokes
- around 90% of people with familial hypercholesterolaemia are undiagnosed and untreated despite their average 10 year reduction in life expectancy

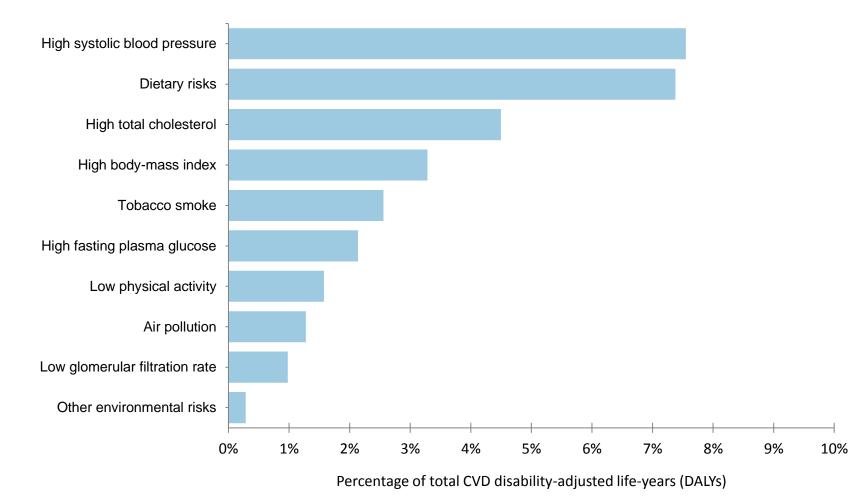
Social prescribing and wellbeing hubs offer new models for supporting behaviour change while reducing burden on general practice.

The NHS Health Check is a systematic approach to identifying local people at high risk of CVD, offering behaviour change support and early detection of the high risk but often undiagnosed conditions such as hypertension, atrial fibrillation, CKD, diabetes and prediabetes.

Question: What proportion of our local eligible population is receiving the NHS Health Check and how effective is the follow-up management of their clinical risk factors in primary care?

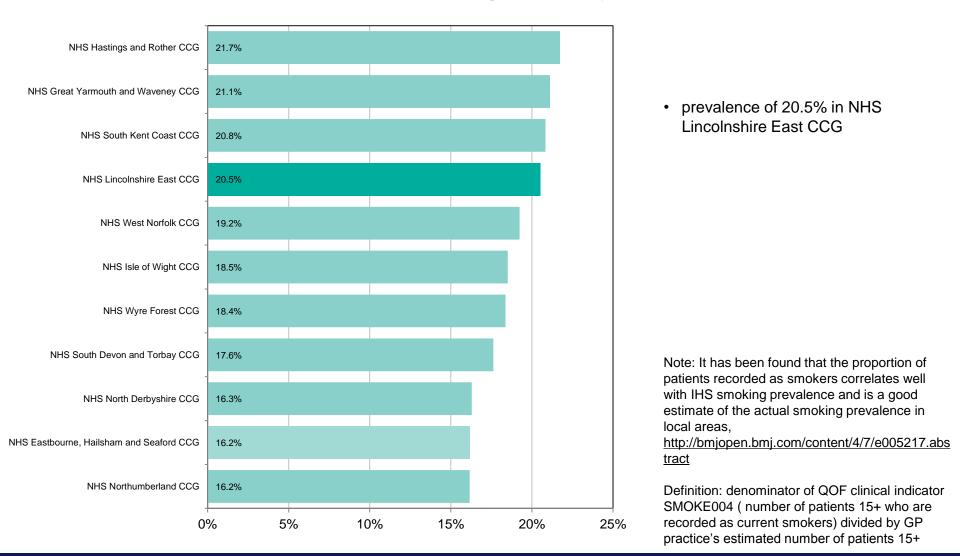
### Global Burden of Disease Study 2015

Risk Factors for premature death and disability caused by CVD in England, expressed as a percentage of total disability-adjusted life-years



#### Estimated smoking prevalence (QOF) by CCG

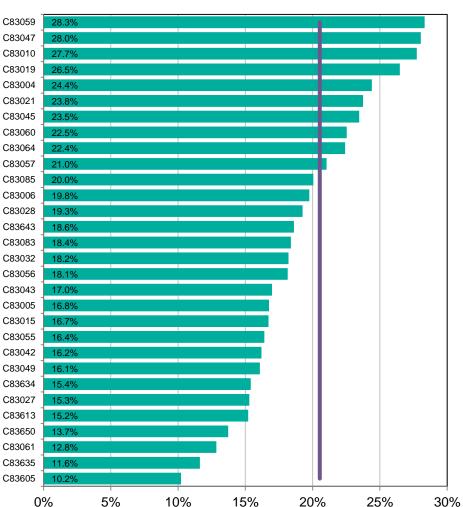
### Comparison with demographically similar CCGs



### Estimated smoking prevalence (QOF) by GP practice

GP Practice —CCG

**GREYFRIARS SURGERY C83059** WESTSIDE SURGERY C83047 PARKSIDE MEDICAL CENTRE C83010 **BEACON MEDICAL PRACTICE C83019** LIQUORPOND SURGERY C83004 WAINFLEET SURGERY C83021 HAWTHORN MEDICAL PRACTICE C83045 STUART HOUSE SURGERY C83060 MARISCO MEDICAL PRACTICE C83064 KIRTON MEDICAL CENTRE C83057 JAMES STREET FAMILY PRACTICE C83085 **KIDGATE SURGERY C83006** HOLBEACH MEDICAL CENTRE C83028 **BINBROOK SURGERY C83643** THE NEW CONINGSBY SURGERY C83083 MERTON LODGE SURGERY C83032 NEWMARKET MEDICAL PRACTICE C83056 MARKET RASEN SURGERY C83043 SPILSBY SURGERY C83005 SWINESHEAD SURGERY C83015 STICKNEY SURGERY C83055 MARSH MEDICAL PRACTICE C83042 **OLD LEAKE MEDICAL CENTRE C83049 TASBURGH LODGE SURGERY C83634** HORNCASTLE MEDICAL GROUP C83027 CAISTOR HEALTH CENTRE C83613 THE WRAGBY SURGERY C83650 NORTH THORESBY SURGERY C83061 WOODHALL SPA NEW SURGERY C83635 THE WOLDS PRACTICE C83605



- 42,956 people who are recorded as smokers in NHS Lincolnshire East CCG
- GP practice range: 10.2% to 28.3%

Note: This method is thought to be a reasonably robust method in estimating smoking prevalence for the majority of GP practices. However, caution is advised for extreme estimates of smoking prevalence and those with high numbers of smoking status not recorded and exceptions.

## Hypertension

## Hypertension

The Global Burden of Disease Study confirmed high blood pressure as a leading cause of premature death and disability

#### High blood pressure is common and costly

- · it affects around a quarter of all adults
- the NHS costs of hypertension are around £2bn
- social costs are probably considerably higher

#### What do we know?

- at least half of all heart attacks and strokes are caused by high blood pressure and it is a major risk factor for chronic kidney disease and cognitive decline
- treatment is very effective every 10mmHg reduction in systolic blood pressure lowers risk of heart attack and stroke by 20%
- despite this 4 out of 10 adults with hypertension, over 5 and a half million people in England, remain undiagnosed
- and even when the condition is identified, treatment is often suboptimal, with blood pressure poorly controlled in about 1 out of 3 individuals

#### The Missing Millions

On average, each CCG in England has 26,000 residents with undiagnosed hypertension – these individuals are unaware of their increased cardiovascular risk and are untreated.

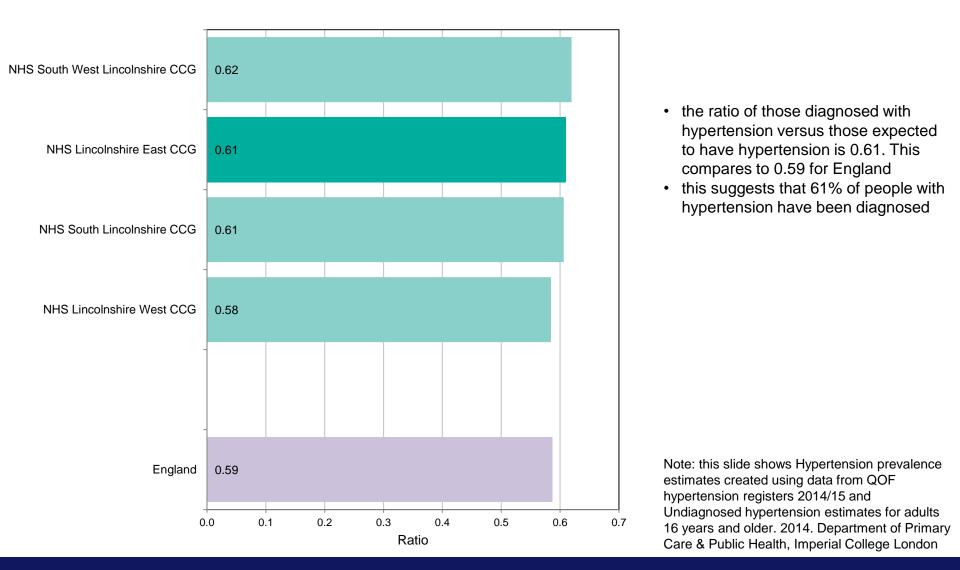
#### What questions should we ask in our CCG?

- 1. for each indicator how wide is the variation in achievement and exception reporting?
- 2. how many people would benefit if all practices performed as well as the best?
- 3. how can we support practices who are average or below average to perform as well as the best in:
  - detection of hypertension
  - management of hypertension

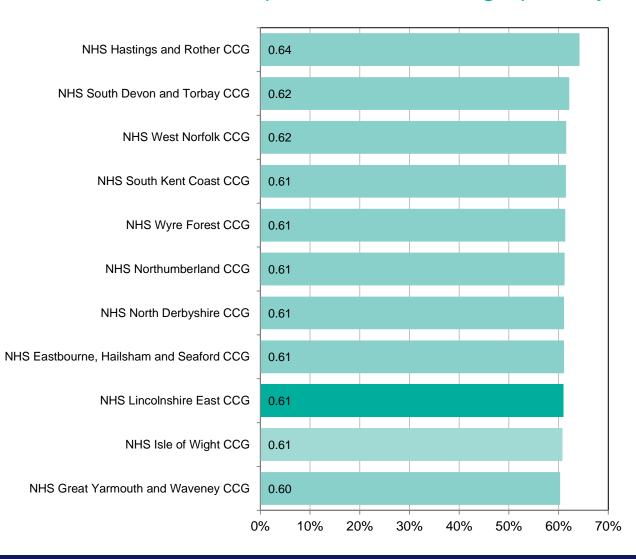
#### What might help?

- support practices to share audit data and systematically identify gaps and opportunities for improved detection and management of hypertension
- work with practices and local authorities to maximise uptake and follow up in the NHS Health Check
- support access to self-test BP stations in waiting rooms and to ambulatory blood pressure monitoring.
- commission community pharmacists to offer blood pressure measurement, diagnosis and management support, including support for adherence to medication

### Hypertension observed prevalence compared with expected prevalence by CCG Comparison with CCGs in the STP



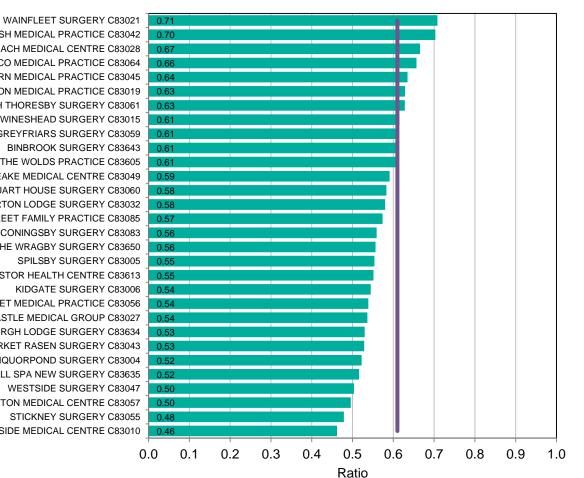
Hypertension observed prevalence compared with expected prevalence by CCG Comparison with demographically similar CCGs



#### Hypertension observed prevalence compared with expected prevalence by GP practice

GP practice ——CCG

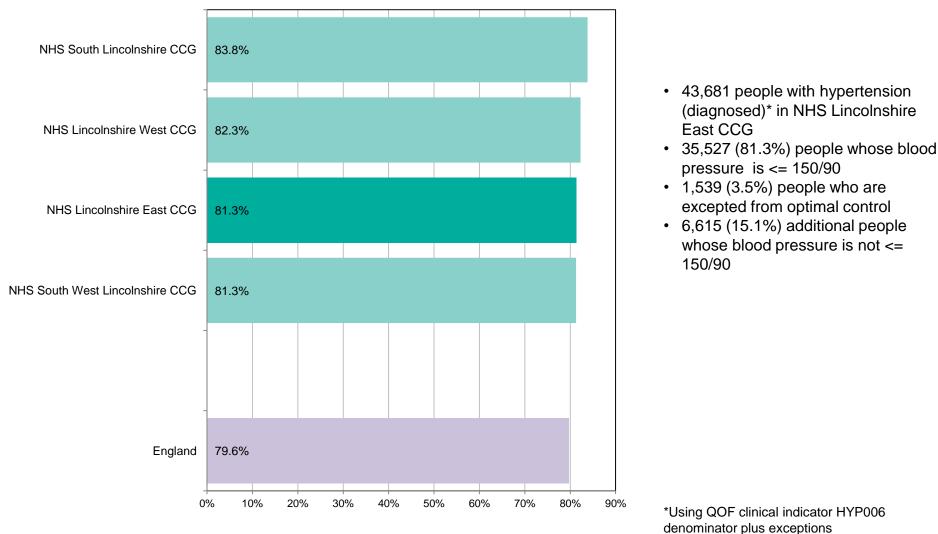
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- it is estimated that there are 27,780 people with undiagnosed hypertension in NHS Lincolnshire East CCG
- · GP practice range of observed to expected hypertension prevalence 0.46 to 0.71

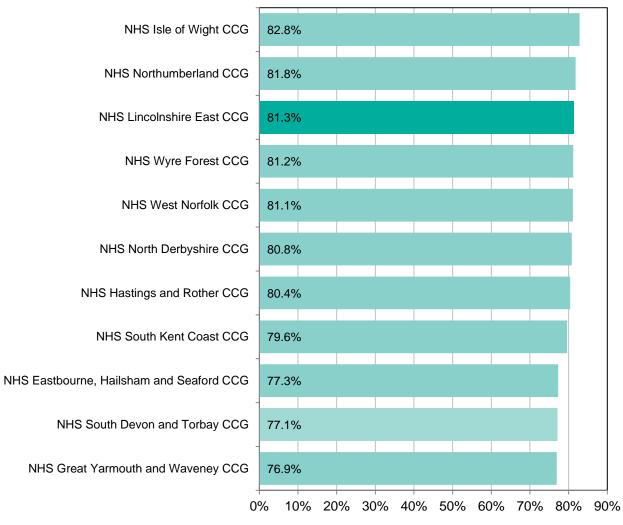
Percentage of patients with hypertension whose last blood pressure reading (measured in the preceding 12 months) is 150/90 mmHg or less by CCG

### Comparison with CCGs in the STP



Percentage of patients with hypertension whose last blood pressure reading (measured in the preceding 12 months) is 150/90 mmHg or less by CCG

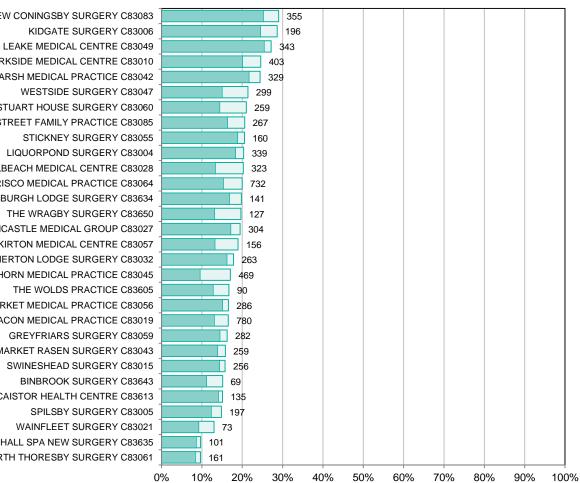




### Percentage of patients with hypertension whose last blood pressure reading (measured in the preceding 12 months) is not 150/90 mmHg or less by GP practice

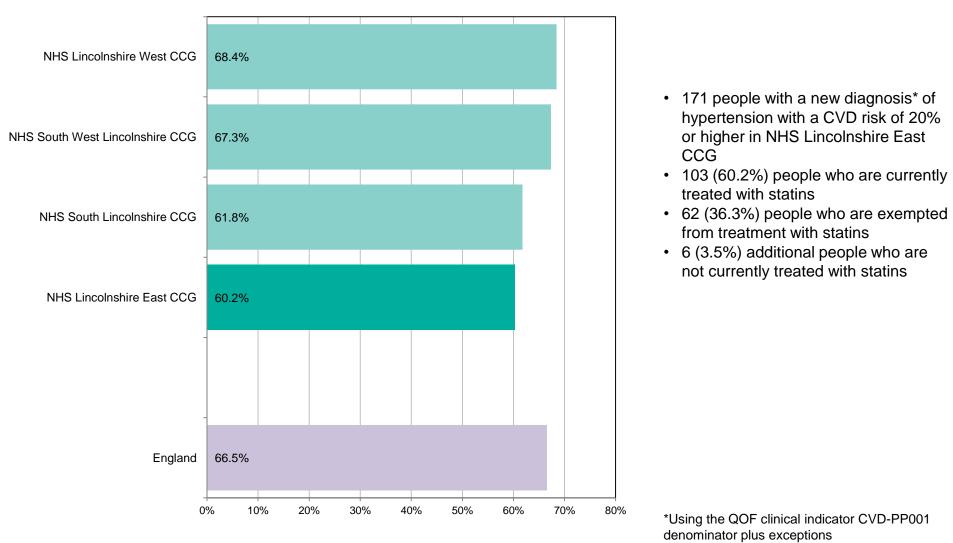
Exceptions reported No treatment

THE NEW CONINGSBY SURGERY C83083 **KIDGATE SURGERY C83006 OLD LEAKE MEDICAL CENTRE C83049** PARKSIDE MEDICAL CENTRE C83010 MARSH MEDICAL PRACTICE C83042 WESTSIDE SURGERY C83047 STUART HOUSE SURGERY C83060 JAMES STREET FAMILY PRACTICE C83085 STICKNEY SURGERY C83055 LIQUORPOND SURGERY C83004 HOLBEACH MEDICAL CENTRE C83028 MARISCO MEDICAL PRACTICE C83064 TASBURGH LODGE SURGERY C83634 THE WRAGBY SURGERY C83650 HORNCASTLE MEDICAL GROUP C83027 **KIRTON MEDICAL CENTRE C83057** MERTON LODGE SURGERY C83032 HAWTHORN MEDICAL PRACTICE C83045 THE WOLDS PRACTICE C83605 NEWMARKET MEDICAL PRACTICE C83056 **BEACON MEDICAL PRACTICE C83019 GREYFRIARS SURGERY C83059** MARKET RASEN SURGERY C83043 SWINESHEAD SURGERY C83015 **BINBROOK SURGERY C83643** CAISTOR HEALTH CENTRE C83613 SPILSBY SURGERY C83005 WAINFLEET SURGERY C83021 WOODHALL SPA NEW SURGERY C83635 NORTH THORESBY SURGERY C83061



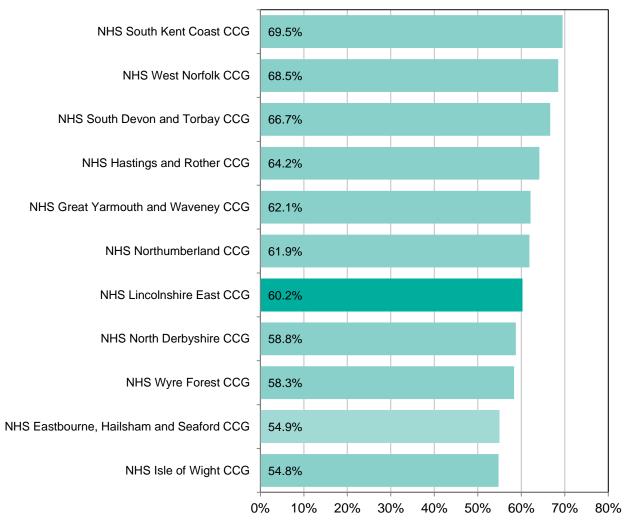
- in total, including exceptions, there are 8,154 people whose blood pressure is not <= 150/90
- GP practice range: 9.6% to 29.0%

New diagnosis of hypertension who have been given a CVD risk assessment whose CVD risk exceeds 20% and treated with statins by CCG Comparison with CCGs in the STP



New diagnosis of hypertension who have been given a CVD risk assessment whose CVD risk exceeds 20% and treated with statins by CCG

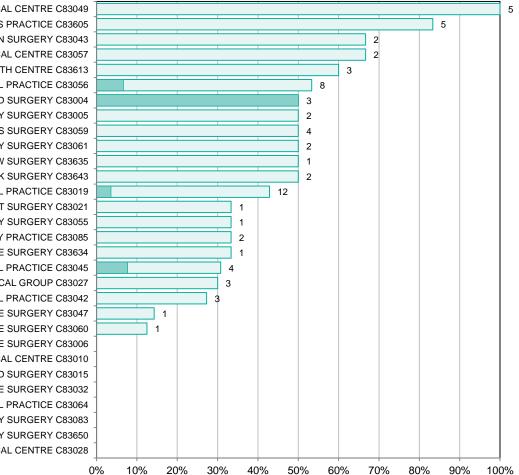
#### Comparison with demographically similar CCGs



# New diagnosis of hypertension who have been given a CVD risk assessment whose CVD risk exceeds 20% and not treated with statins by GP practice

■ No treatment ■ Exceptions reported

**OLD LEAKE MEDICAL CENTRE C83049** THE WOLDS PRACTICE C83605 MARKET RASEN SURGERY C83043 **KIRTON MEDICAL CENTRE C83057** CAISTOR HEALTH CENTRE C83613 NEWMARKET MEDICAL PRACTICE C83056 LIQUORPOND SURGERY C83004 SPILSBY SURGERY C83005 **GREYFRIARS SURGERY C83059** NORTH THORESBY SURGERY C83061 WOODHALL SPA NEW SURGERY C83635 **BINBROOK SURGERY C83643 BEACON MEDICAL PRACTICE C83019** WAINFLEET SURGERY C83021 STICKNEY SURGERY C83055 JAMES STREET FAMILY PRACTICE C83085 TASBURGH LODGE SURGERY C83634 HAWTHORN MEDICAL PRACTICE C83045 HORNCASTLE MEDICAL GROUP C83027 MARSH MEDICAL PRACTICE C83042 WESTSIDE SURGERY C83047 STUART HOUSE SURGERY C83060 **KIDGATE SURGERY C83006** PARKSIDE MEDICAL CENTRE C83010 SWINESHEAD SURGERY C83015 MERTON LODGE SURGERY C83032 MARISCO MEDICAL PRACTICE C83064 THE NEW CONINGSBY SURGERY C83083 THE WRAGBY SURGERY C83650 HOLBEACH MEDICAL CENTRE C83028



- in total, including exceptions, there are 68 people who are not treated with statins
- GP practice range: 0.0% to 100.0%

### Stroke

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## Stroke prevention

Only a half of people with known AF who then suffer a stroke have been anticoagulated before their stroke.

Stroke is one of the leading causes of premature death and disability. Stroke is devastating for individuals and families, and accounts for a substantial proportion of health and social care expenditure.

Atrial fibrillation increases the risk of stroke by a factor of 5, and strokes caused by AF are often more severe, with higher mortality and greater disability.

Anticoagulation reduces the risk of stroke in people with AF by two thirds.

Despite this, AF is underdiagnosed and under treated: up to a third of people with AF are unaware they have the condition and even when diagnosed inadequate treatment is common – large numbers do not receive anticoagulants or have poor anticoagulant control.

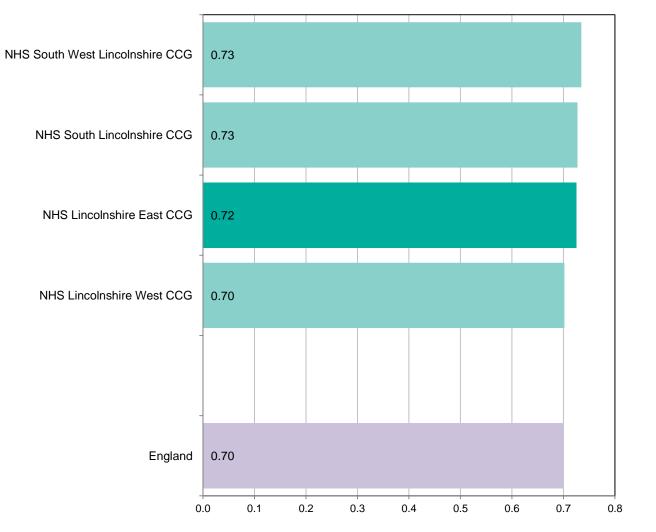
#### What questions should we ask in our CCG?

- 1. for each indicator how wide is the variation in detection, treatment and exception reporting?
- 2. how many people would benefit if all practices performed as well as the best?
- 3. how can we support practices who are average and below average to perform as well as the best in detection of atrial fibrillation and stroke prevention with anticoagulation.

#### What might help?

- increase opportunistic pulse checking especially in over 65s
- support practices to share audit data and systematically identify gaps and opportunities for improved detection and management of AF - eg GRASP-AF
- promote systematic use of CHADS-VASC and HASBLED to ensure those at high risk are offered stroke prevention
- promote systematic use of Warfarin Patient Safety Audit Tool to ensure optimal time in therapeutic range for people on warfarin
- develop local consensus statement on risk-benefit balance for anticoagulants, including the newer treatments (NOACs)
- work with practices and local authorities to maximise uptake and clinical follow up in the NHS Health Check
- commission community pharmacists to offer pulse checks, anticoagulant monitoring, and support for adherence to medication

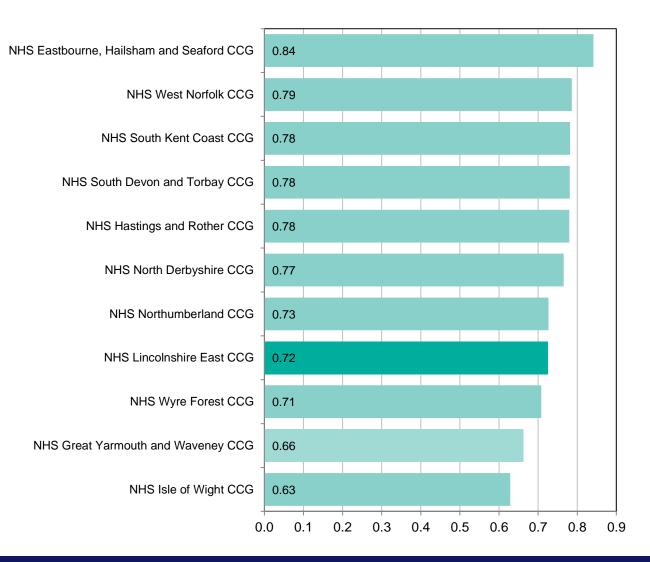
### Atrial fibrillation observed prevalence compared to expected prevalence by CCG Comparison with CCGs in the STP



- the ratio of those diagnosed with atrial fibrillation versus those expected to have atrial fibrillation is 0.72. This compares to 0.7 for England
- this suggests that 72% of people with atrial fibrillation have been diagnosed.

Note: This slide compares the prevalence of atrial fibrillation recorded in QOF in 2015/16 to the estimated prevalence of atrial fibrillation, taken from National Cardiovascular Intelligence Network estimates produced in 2017. The estimates were developed by applying age-sex specific prevalence rates as reported by Norberg et al (2013) to GP population estimates from NHS Digital. Estimates reported are adjusted for age and sex of the local population.

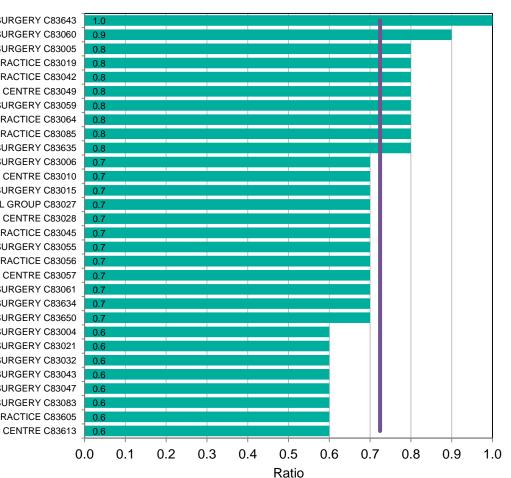
### Atrial fibrillation observed prevalence compared to expected prevalence by CCG Comparison with demographically similar CCGs



#### Atrial fibrillation observed prevalence compared with expected prevalence by GP practice

GP practice —CCG

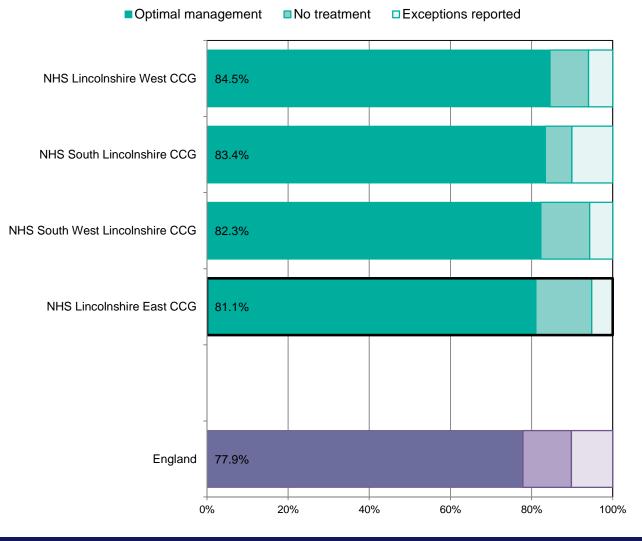
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- it is estimated that there are 8,362 people with undiagnosed atrial fibrillation in NHS Lincolnshire East CCG
- GP practice range of observed to expected atrial fibrillation prevalence 0.6 to 1

In patients with AF with a CHA2DS2-VASc score of 2 or more, the percentage treated with anti-coagulation therapy by CCG

#### Comparison with CCGs in the STP

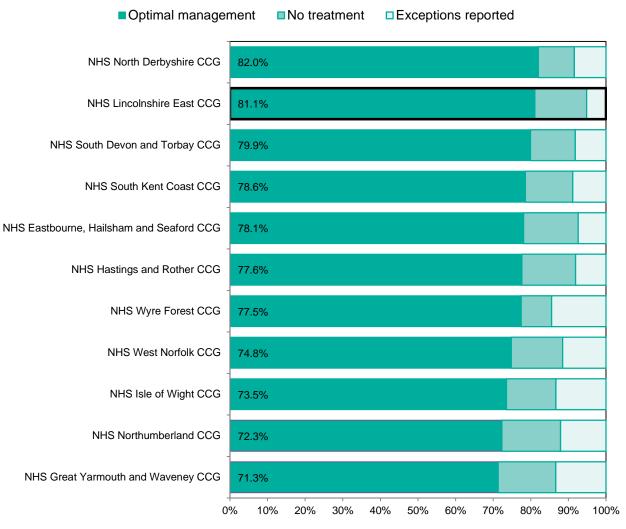


- 5,021 people with atrial fibrillation\* with a CHA2DS2-VASc score >= 2 in NHS Lincolnshire East CCG
- 4,071 (81.1%) people treated with anti-coagulation therapy
- 259 (5.2%) people who are exceptions
- 691 (13.8%) additional people with a recorded CHA2DS2-VASc score >= 2 who are not treated

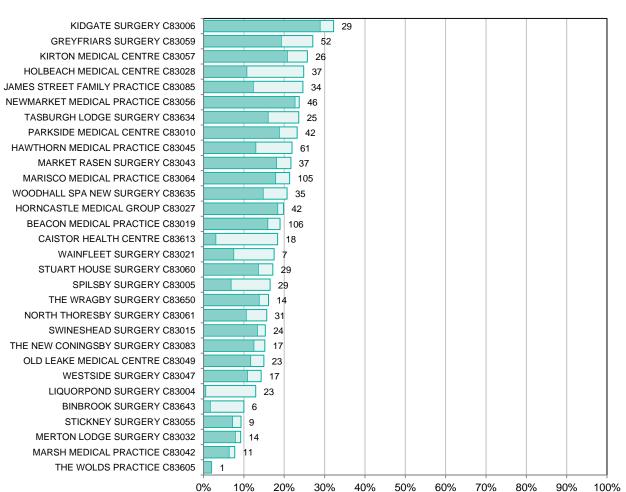
\*Using the QOF clinical indicator AF007 denominator plus exceptions

## In patients with AF with a CHA2DS2-VASc score of 2 or more, the percentage treated with anti-coagulation therapy by CCG

#### Comparison with demographically similar CCGs



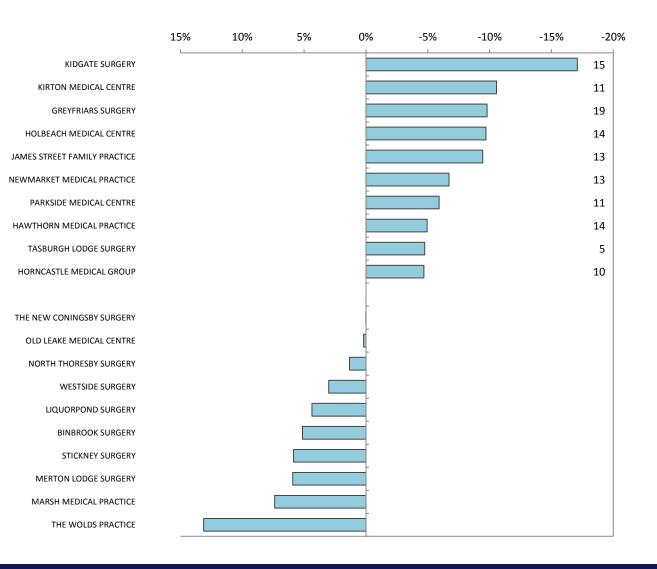
# In patients with AF with a CHA2DS2-VASc score of 2 or more, the percentage treated with anti-coagulation therapy by GP practice



■ No treatment □ Exceptions reported

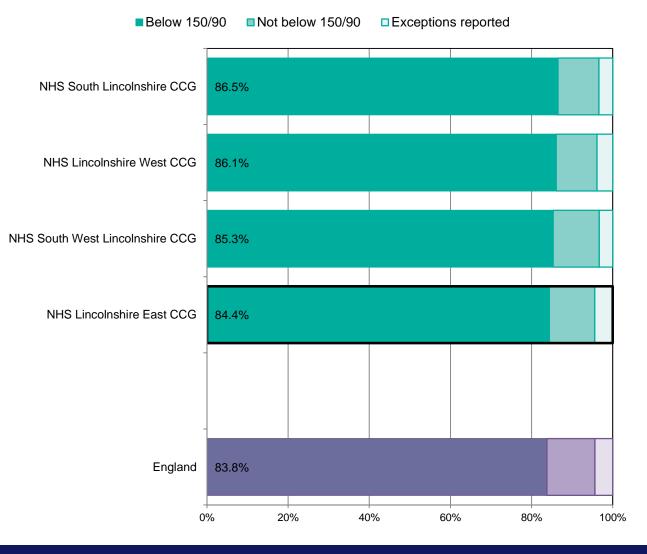
- in total, including exceptions, there are 950 people with a recorded CHA2DS2-VASc score >= 2 who are not treated
- GP practice range: 2.0% to 32.2%

# In patients with AF with a CHA2DS2-VASc score of 2 or more, the percentage treated with anti-coagulation therapy by GP practice – opportunities compared to GP cluster



 using the GP cluster method of calculating potential gains, if each practice was to achieve as well as the upper quartile of its national cluster, then an additional 165 people would be treated

Details of this methodology are available on slide 9. Click <u>here to view them.</u> Percentage of patients with a history of stroke whose last blood pressure reading (measured in the preceding 12 months) is 150/90 mmHg or less by CCG Comparison with CCGs in the STP

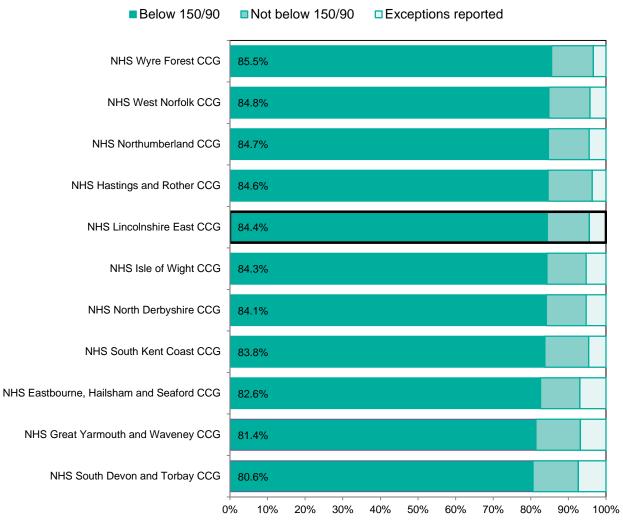


- 6,547 people with a history of stroke or TIA\* in NHS Lincolnshire East CCG
- 5,525 (84.4%) people whose blood pressure is <= 150 / 90</li>
- 288 (4.4%) people who are exceptions
- 734 (11.2%) additional people whose blood pressure is not <= 150 / 90</li>

<sup>\*</sup>Using the QOF clinical indicator STIA003 denominator plus exceptions

Percentage of patients with a history of stroke whose last blood pressure reading (measured in the preceding 12 months) is 150/90 mmHg or less by CCG

#### Comparison with demographically similar CCGs

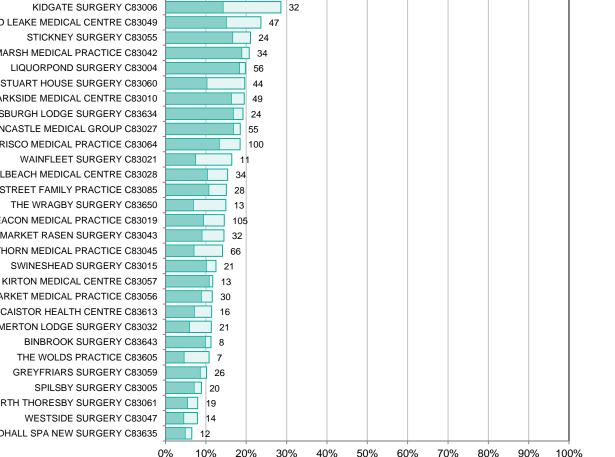


### Percentage of patients with a history of stroke whose last blood pressure reading (measured in the preceding 12 months) is not 150/90 mmHg or less by GP practice

Exceptions reported No treatment

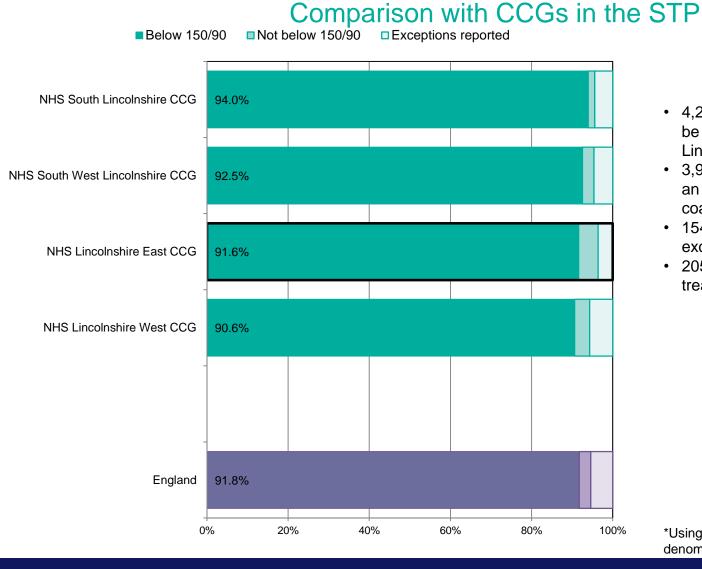
61

THE NEW CONINGSBY SURGERY C83083 **KIDGATE SURGERY C83006 OLD LEAKE MEDICAL CENTRE C83049** STICKNEY SURGERY C83055 MARSH MEDICAL PRACTICE C83042 LIQUORPOND SURGERY C83004 STUART HOUSE SURGERY C83060 PARKSIDE MEDICAL CENTRE C83010 TASBURGH LODGE SURGERY C83634 HORNCASTLE MEDICAL GROUP C83027 MARISCO MEDICAL PRACTICE C83064 WAINFLEET SURGERY C83021 HOLBEACH MEDICAL CENTRE C83028 JAMES STREET FAMILY PRACTICE C83085 THE WRAGBY SURGERY C83650 **BEACON MEDICAL PRACTICE C83019** MARKET RASEN SURGERY C83043 HAWTHORN MEDICAL PRACTICE C83045 SWINESHEAD SURGERY C83015 **KIRTON MEDICAL CENTRE C83057** NEWMARKET MEDICAL PRACTICE C83056 CAISTOR HEALTH CENTRE C83613 MERTON LODGE SURGERY C83032 BINBROOK SURGERY C83643 THE WOLDS PRACTICE C83605 **GREYFRIARS SURGERY C83059** SPILSBY SURGERY C83005 NORTH THORESBY SURGERY C83061 WESTSIDE SURGERY C83047 WOODHALL SPA NEW SURGERY C83635



- in total, including exceptions, there are 1,022 people whose blood pressure is not <= 150 / 90
- GP practice range: 6.5% to 32.6%

Percentage of patients with a stroke shown to be non-haemorrhagic, or a history of TIA, who have a record in the preceding 12 months that an anti-platelet agent, or an anti-coagulant is being taken by CCG

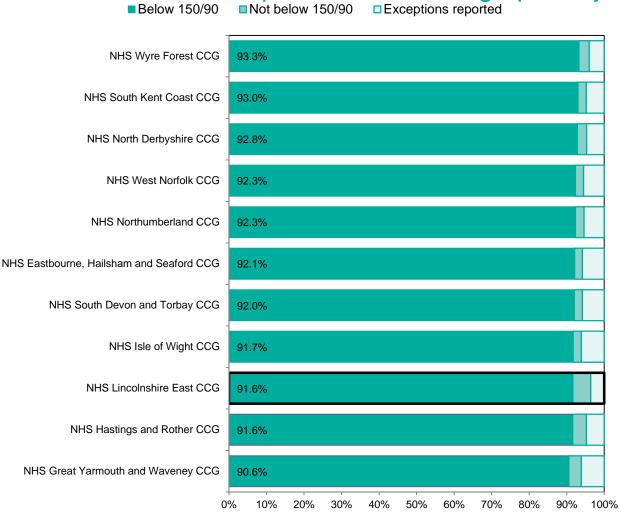


- 4,284 people with a stroke shown to be non-haemorrhagic\* in NHS Lincolnshire East CCG
- 3,925 (91.6%) people who are taking an anti-platetet agent or anticoagulant
- 154 (3.6%) people who are exceptions
- 205 (4.8%) additional people with no treatment

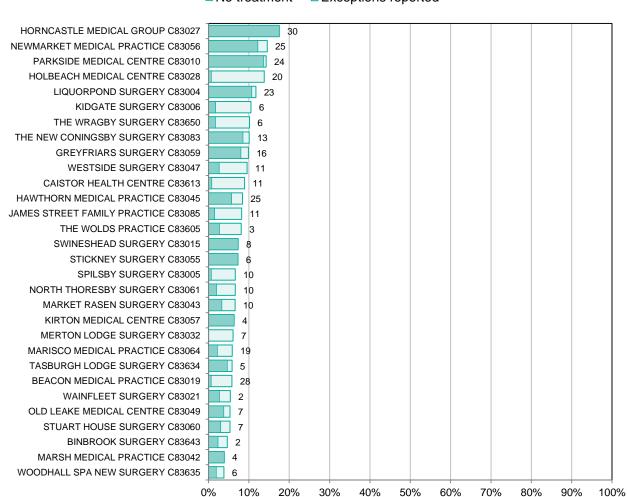
\*Using the QOF clinical indicator STIA007 denominator plus exceptions

### Percentage of patients with a stroke shown to be non-haemorrhagic, or a history of TIA, who have a record in the preceding 12 months that an anti-platelet agent, or an anti-coagulant is being taken by CCG

Comparison with demographically similar CCGs



Percentage of patients with a stroke shown to be non-haemorrhagic, or a history of TIA, who do not have a record in the preceding 12 months that an anti-platelet agent, or an anti-coagulant is being taken by GP practice



No treatment Exceptions reported

- in total, including exceptions, there are 359 people who are not taking an anti-platelet agent or anti-coagulant
- GP practice range: 3.8% to 17.5%

## **Diabetes**

# Diabetes prevention and management

Diabetes costs the NHS £9.8 billion per year – and the prevalence is rising

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 can be prevented or delayed in many through intensive behaviour change support.

Complications of diabetes are preventable Diabetes is a major cause of premature death and disability and greatly increases the risk of heart disease and stroke, kidney failure, amputations and blindness. 80% of NHS spending on diabetes goes on managing these complications, most of which could be prevented. There are 8 essential care processes, in addition to retinal screening, that together substantially reduce complication rates. Despite this, around a half of people with diabetes do not receive all 8 care processes, and there is widespread variation between CCGs and practices in levels of achievement

#### Type 2 Diabetes in numbers

- diagnosed prevalence 3.0 million
- undiagnosed diabetes 900,000
- non-diabetic hyperglycaemia (high risk of diabetes) 5 million

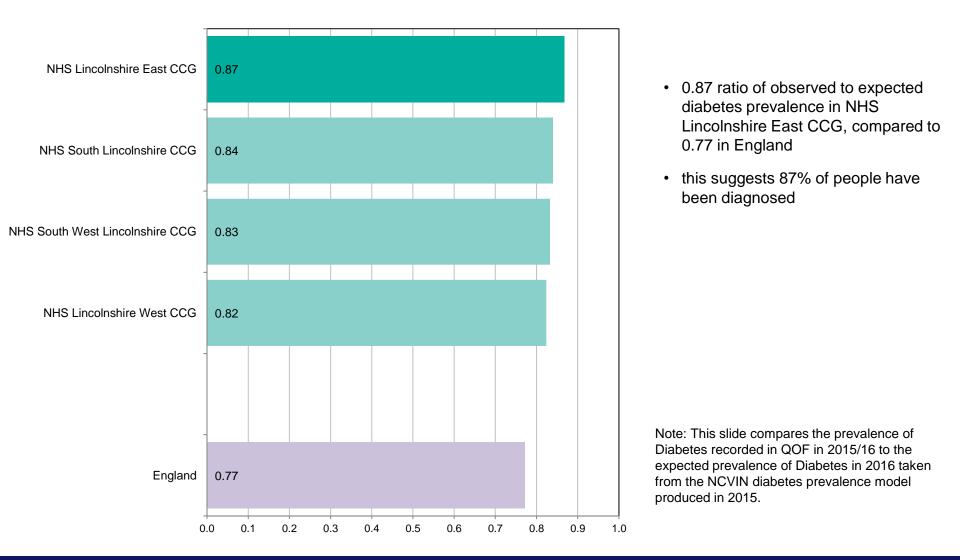
#### What questions should we ask in our CCG?

- 1. for each indicator how wide is the variation in achievement and exception reporting?
- 2. how many people would benefit if all practices performed as well as the best?
- 3. how can we support practices who are average and below average to perform as well as the best in:
  - detection of diabetes
  - delivery of the 8 care processes and achievement of the 3 treatment targets
  - identification and management of Non-diabetic hyperglycaemia

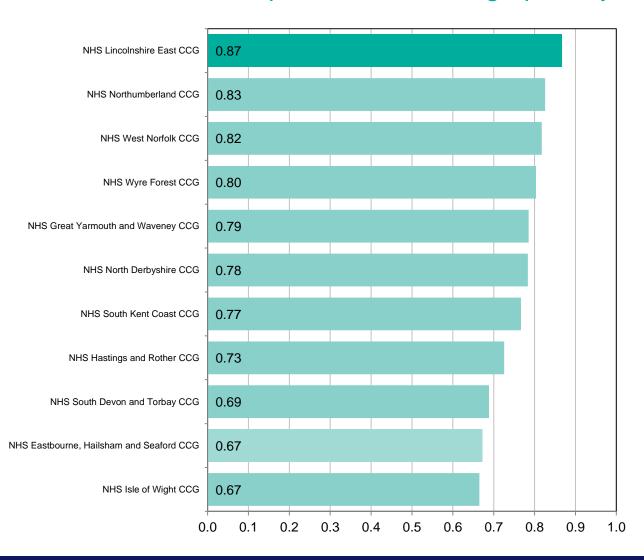
#### What might help

- ensure universal participation by practices in the National Diabetes Audit (NDA)
- benchmark practice level data from the NDA and support practices to explore variation
- increase support for patient education and shared management
- maximise uptake of the NHS Health Check to aid detection of diabetes and Non Diabetic Hyperglycaemia
- maximise uptake of the NHS Diabetes Prevention Programme

## Diabetes observed prevalence compared with expected prevalence by CCG Comparison with CCGs in the STP



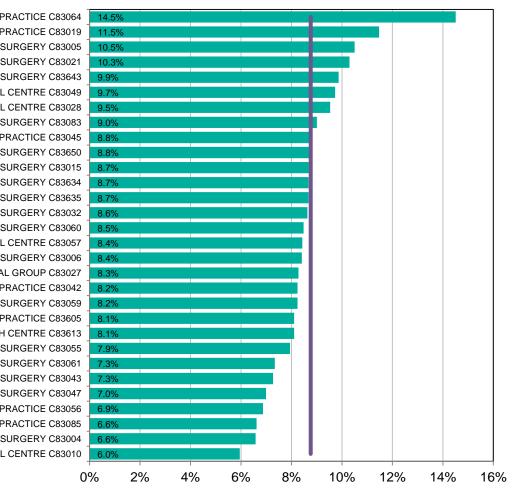
Diabetes observed prevalence compared with expected prevalence by CCG Comparison with demographically similar CCGs



#### Diabetes prevalence by GP practice

GP practice ——CCG

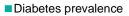
MARISCO MEDICAL PRACTICE C83064 **BEACON MEDICAL PRACTICE C83019** SPILSBY SURGERY C83005 WAINFLEET SURGERY C83021 **BINBROOK SURGERY C83643 OLD LEAKE MEDICAL CENTRE C83049** HOLBEACH MEDICAL CENTRE C83028 THE NEW CONINGSBY SURGERY C83083 HAWTHORN MEDICAL PRACTICE C83045 THE WRAGBY SURGERY C83650 SWINESHEAD SURGERY C83015 TASBURGH LODGE SURGERY C83634 WOODHALL SPA NEW SURGERY C83635 MERTON LODGE SURGERY C83032 STUART HOUSE SURGERY C83060 KIRTON MEDICAL CENTRE C83057 **KIDGATE SURGERY C83006** HORNCASTLE MEDICAL GROUP C83027 MARSH MEDICAL PRACTICE C83042 **GREYFRIARS SURGERY C83059** THE WOLDS PRACTICE C83605 CAISTOR HEALTH CENTRE C83613 STICKNEY SURGERY C83055 NORTH THORESBY SURGERY C83061 MARKET RASEN SURGERY C83043 WESTSIDE SURGERY C83047 NEWMARKET MEDICAL PRACTICE C83056 JAMES STREET FAMILY PRACTICE C83085 LIQUORPOND SURGERY C83004 PARKSIDE MEDICAL CENTRE C83010



- GP practice range of observed diabetes 6.0% to 14.5%
- there are an estimated 2,744 people with undiagnosed diabetes in NHS Lincolnshire East CCG

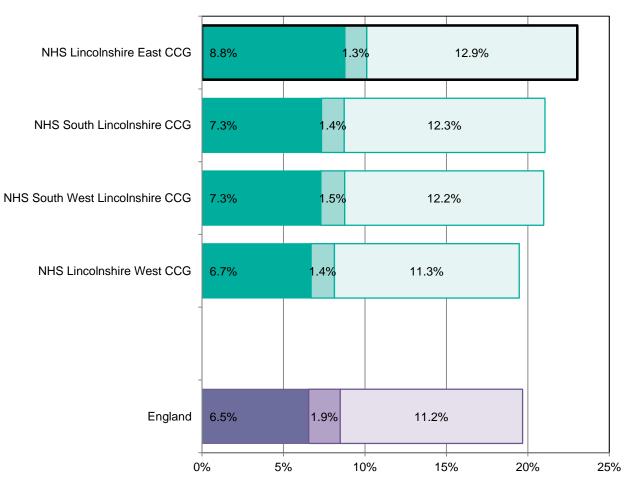
Note: The estimated number of undiagnosed people with diabetes has been calculated by multiplying the estimated prevalence rate to the 2015/16 QOF list size and subtracting the number of people on the diabetes register.

### Expected total prevalence of diabetes and non-diabetic hyperglycaemia



Undiagnosed diabetes prevalence

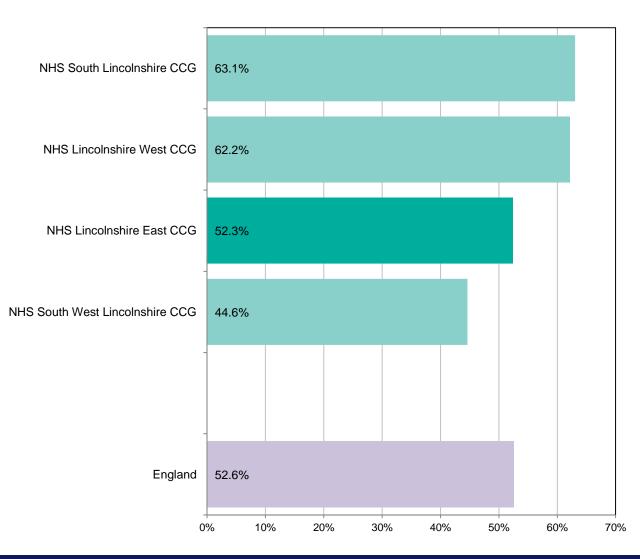
Expected non-diabetic hyperglycaemia prevalence



- the estimated total prevalence of diabetes in NHS Lincolnshire East CCG is 10.1% (diagnosed and undiagnosed)
- in addition, there are an estimated 12.9% of people in NHS Lincolnshire East CCG who are at increased risk of developing diabetes (i.e. with nondiabetic hyperglycaemia)
- this means that 23.0% of the population in NHS Lincolnshire East CCG are estimated to have diabetes, or at high risk of developing of diabetes

Note: Prevalence estimates of non-diabetic hyperglycaemia were developed using Health Survey for England (HSE) data. Five years of HSE data were combined, 2009- 2013. The estimates take into account the age, ethnic group and estimated body mass index of the population. These estimates were produced using the GP registered population.

### People with diabetes who had eight care processes by CCG 2015/16



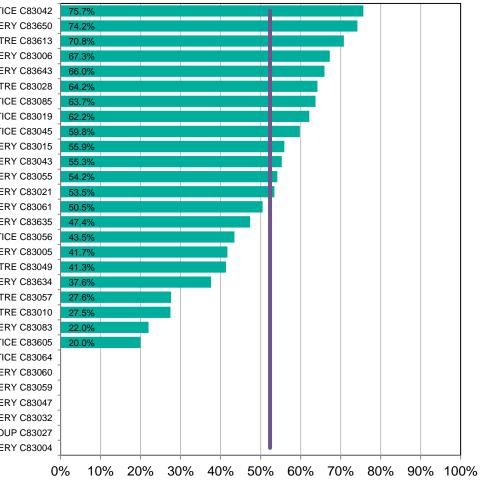
- data on care processes and treatment targets are taken from the National Diabetes Audit (NDA)
- overall practice participation in the 2015/16 audit was 81.4% in England
- in NHS Lincolnshire East CCG, 23 out of 30 practices (76.7%) participated in the NDA. Data is not available for the remaining practices
- 52.3% of people with diabetes (of practices who participated in the audit) had the eight recommended care processes in NHS Lincolnshire East CCG, compared to 52.6% in England

#### People with diabetes who had eight care processes by GP practice, 2015/16

GP practice

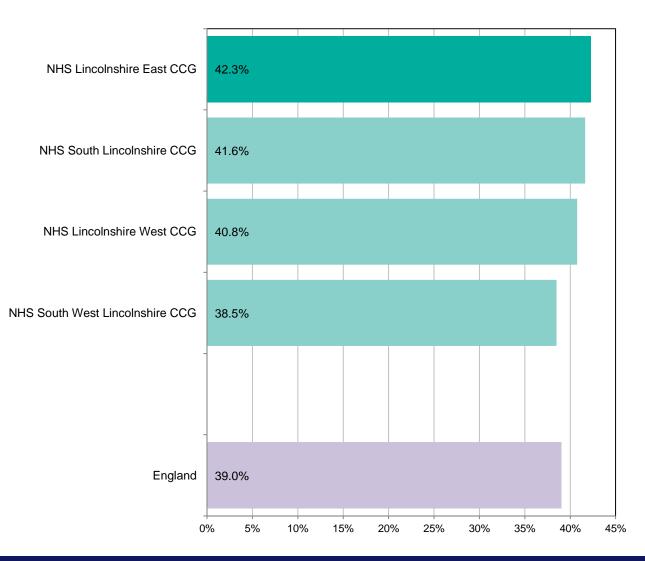
MARSH MEDICAL PRACTICE C83042 THE WRAGBY SURGERY C83650 CAISTOR HEALTH CENTRE C83613 **KIDGATE SURGERY C83006 BINBROOK SURGERY C83643** HOLBEACH MEDICAL CENTRE C83028 JAMES STREET FAMILY PRACTICE C83085 **BEACON MEDICAL PRACTICE C83019** HAWTHORN MEDICAL PRACTICE C83045 SWINESHEAD SURGERY C83015 MARKET RASEN SURGERY C83043 STICKNEY SURGERY C83055 WAINFLEET SURGERY C83021 NORTH THORESBY SURGERY C83061 WOODHALL SPA NEW SURGERY C83635 NEWMARKET MEDICAL PRACTICE C83056 SPILSBY SURGERY C83005 **OLD LEAKE MEDICAL CENTRE C83049 TASBURGH LODGE SURGERY C83634 KIRTON MEDICAL CENTRE C83057** PARKSIDE MEDICAL CENTRE C83010 THE NEW CONINGSBY SURGERY C83083 THE WOLDS PRACTICE C83605 MARISCO MEDICAL PRACTICE C83064 STUART HOUSE SURGERY C83060 **GREYFRIARS SURGERY C83059** WESTSIDE SURGERY C83047 MERTON LODGE SURGERY C83032 HORNCASTLE MEDICAL GROUP C83027 LIQUORPOND SURGERY C83004

-----Average of practices in the CCG who participated in the audit



- achievement 8 care processes: in practices who provided data via the NDA, between 20.0% and 75.7% of patients received all 8 care processes
- at least 5,604 people did not receive the eight care processes

#### People with diabetes who met all 3 treatment targets by CCG, 2015/16



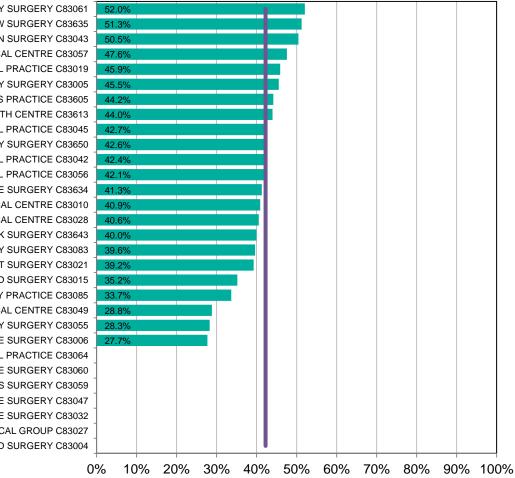
 42.3% of people with diabetes (of practices who participated in the audit) met the three treatment targets in NHS Lincolnshire East CCG, compared to 39.0% in England

#### People with diabetes who met all 3 treatment targets by GP practice, 2015/16

GP practice

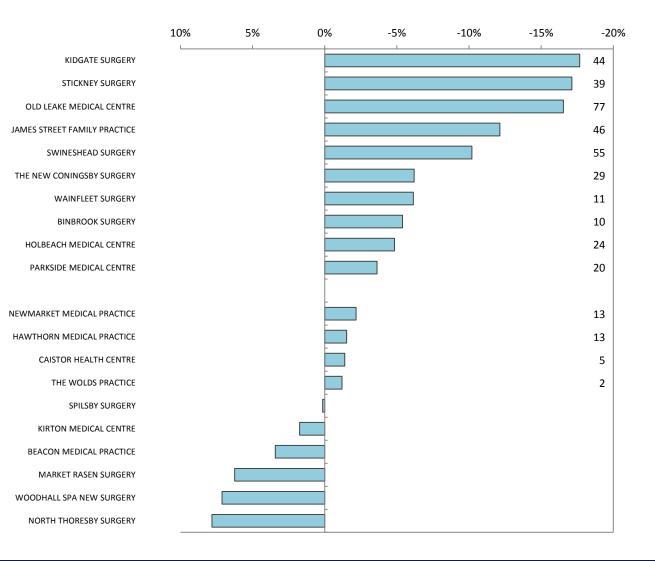
NORTH THORESBY SURGERY C83061 52.0% WOODHALL SPA NEW SURGERY C83635 51.3% MARKET RASEN SURGERY C83043 50.5% **KIRTON MEDICAL CENTRE C83057** 47.6% **BEACON MEDICAL PRACTICE C83019** 45.9% SPILSBY SURGERY C83005 45.5% THE WOLDS PRACTICE C83605 44.2% CAISTOR HEALTH CENTRE C83613 44.0% HAWTHORN MEDICAL PRACTICE C83045 42.7% THE WRAGBY SURGERY C83650 42.6% MARSH MEDICAL PRACTICE C83042 42.4% NEWMARKET MEDICAL PRACTICE C83056 42.1% **TASBURGH LODGE SURGERY C83634** 41.3% PARKSIDE MEDICAL CENTRE C83010 40.9% HOLBEACH MEDICAL CENTRE C83028 40.6% **BINBROOK SURGERY C83643** 40.0% THE NEW CONINGSBY SURGERY C83083 39.6% WAINFLEET SURGERY C83021 39.2% SWINESHEAD SURGERY C83015 35.2% JAMES STREET FAMILY PRACTICE C83085 33.7% **OLD LEAKE MEDICAL CENTRE C83049** 28.8% STICKNEY SURGERY C83055 28.3% **KIDGATE SURGERY C83006** 27.7% MARISCO MEDICAL PRACTICE C83064 STUART HOUSE SURGERY C83060 **GREYFRIARS SURGERY C83059** WESTSIDE SURGERY C83047 MERTON LODGE SURGERY C83032 HORNCASTLE MEDICAL GROUP C83027 LIQUORPOND SURGERY C83004

Average of practices in the CCG who participated in the audit



- achievement 3 treatment targets: in practices who provided data via the NDA, between 27.7% and 52.0% of patients achieved all 3 treatment targets
- at least 6,094 people did not meet the three treatment targets

#### People with diabetes who met all 3 treatment targets by GP practice, 2015/16 - opportunities compared to GP cluster



 using the GP cluster method of calculating potential gains, if each practice was to achieve as well as the upper quartile of its national cluster, then an additional 415 people would be treated

Details of this methodology are available on slide 9. Click <u>here to view them.</u>

# Kidney

# Management of chronic kidney disease

Chronic Kidney Disease can progress to kidney failure and it substantially increases the risk of heart attack and stroke.

Late diagnosis of CKD is common. Around a third of people with CKD are undiagnosed. More opportunistic testing and improved uptake of the NHS Health Check will increase detection rates.

Chronic Kidney Disease (CKD) is common.

It is one of the commonest co-morbidities and affects a third of people over 75. In 2010 it was estimated to cost the NHS around £1.5bn. Average length of stay in hospital tends to be longer and outcomes are considerably worse: approximately 7,000 excess strokes and 12,000 excess heart attacks occur each year in people with CKD compared to those without.

Individuals with CKD are also at much higher risk of developing acute kidney injury when they have an intercurrent illness such as pneumonia

Evidence based guidance from NICE highlights CVD risk reduction, good blood pressure control and management of proteinuria as essential steps to reduce the risk of cardiovascular events and progression to kidney failure. Despite this there is often significant variation between practices in achievement and exception reporting. What questions should we ask in our CCG?

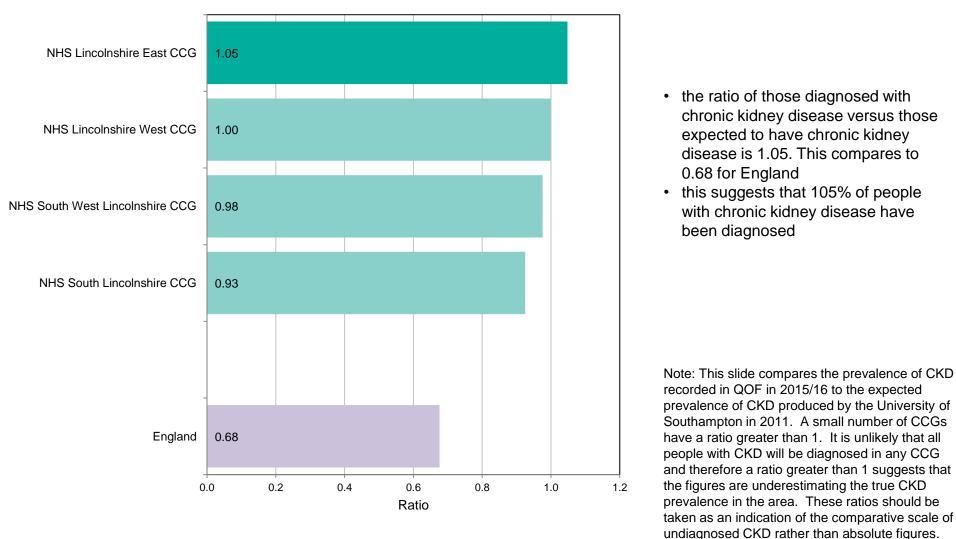
- 1. for each indicator how wide is the variation in achievement and exception reporting?
- 2. how many people would benefit if all practices performed as well as the best?
- 3. how can we support practices who are average and below average to perform as well as the best in:
  - detection of CKD
  - more systematic delivery of evidence based care

#### What might help

- Support practices to share audit data and systematically identify gaps and opportunities for improved detection and management of CKD.
- Promote uptake of and follow up from the NHS Health Check to aid detection and management of CKD
- Offer local training and education in the detection and management of CKD

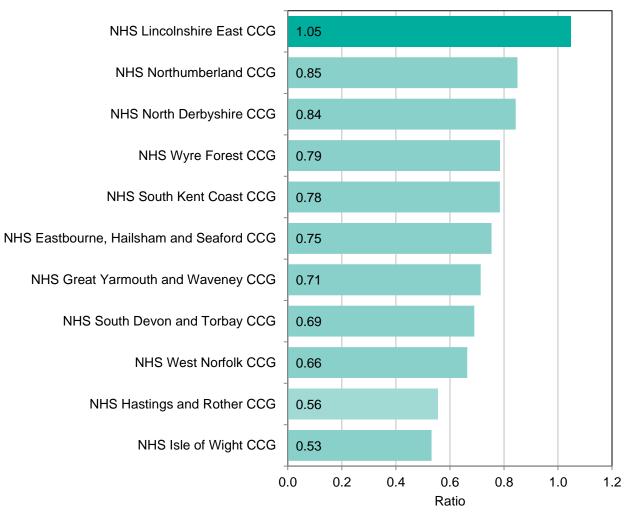
## Chronic kidney disease (CKD) observed prevalence (2015/16) compared with expected prevalence (2011) by CCG

#### Comparison with CCGs in the STP



# Chronic kidney disease (CKD) observed prevalence (2015/16) compared with expected prevalence (2011) by CCG

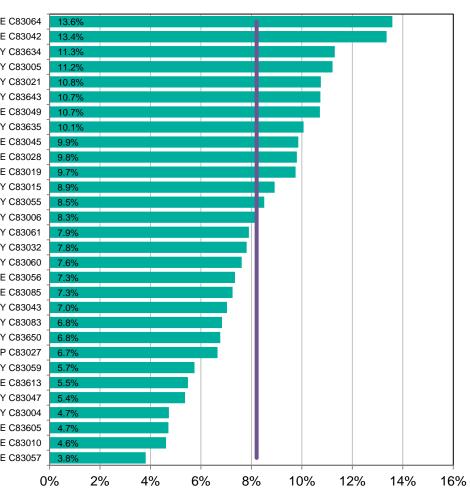
Comparison with demographically similar CCGs



#### CKD prevalence by GP practice, 2015/16

GP practice CCG

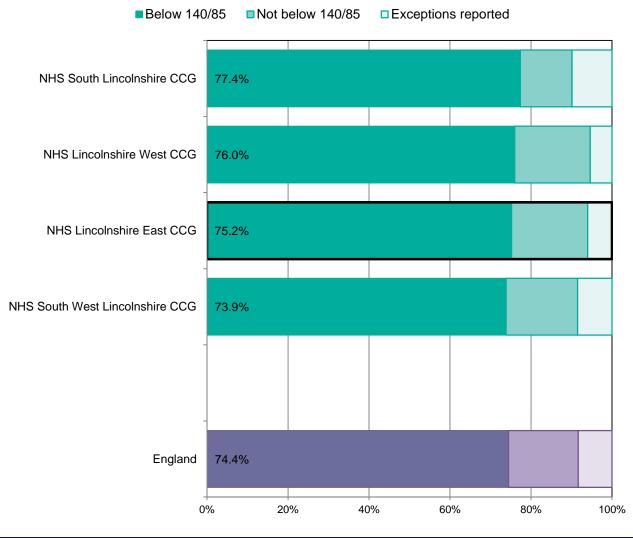
MARISCO MEDICAL PRACTICE C83064 MARSH MEDICAL PRACTICE C83042 **TASBURGH LODGE SURGERY C83634** SPILSBY SURGERY C83005 WAINFLEET SURGERY C83021 **BINBROOK SURGERY C83643 OLD LEAKE MEDICAL CENTRE C83049** WOODHALL SPA NEW SURGERY C83635 HAWTHORN MEDICAL PRACTICE C83045 HOLBEACH MEDICAL CENTRE C83028 **BEACON MEDICAL PRACTICE C83019** SWINESHEAD SURGERY C83015 STICKNEY SURGERY C83055 **KIDGATE SURGERY C83006** NORTH THORESBY SURGERY C83061 MERTON LODGE SURGERY C83032 STUART HOUSE SURGERY C83060 NEWMARKET MEDICAL PRACTICE C83056 JAMES STREET FAMILY PRACTICE C83085 MARKET RASEN SURGERY C83043 THE NEW CONINGSBY SURGERY C83083 THE WRAGBY SURGERY C83650 HORNCASTLE MEDICAL GROUP C83027 **GREYFRIARS SURGERY C83059** CAISTOR HEALTH CENTRE C83613 WESTSIDE SURGERY C83047 LIQUORPOND SURGERY C83004 THE WOLDS PRACTICE C83605 PARKSIDE MEDICAL CENTRE C83010 KIRTON MEDICAL CENTRE C83057



- it is estimated there are no people with undiagnosed chronic kidney disease in NHS Lincolnshire East CCG, jowever, there is uncertainty in these estimates and it is unlikely that all people with chronic kidney disease will have been diagnosed
- GP practice range of observed CKD: 3.8% to 13.6%

Note: CCG estimates for the estimated number of people with CKD are based on applying a proportion from a resident based population estimate to a GP registered population. The characteristics of registered and resident populations may vary in some CCGs, and local interpretation is required. Percentage of patients on the CKD register whose last blood pressure reading (measured in the preceding 12 months) is 140/85 mmHg or less by CCG, 2014/15

#### Comparison with CCGs in the STP



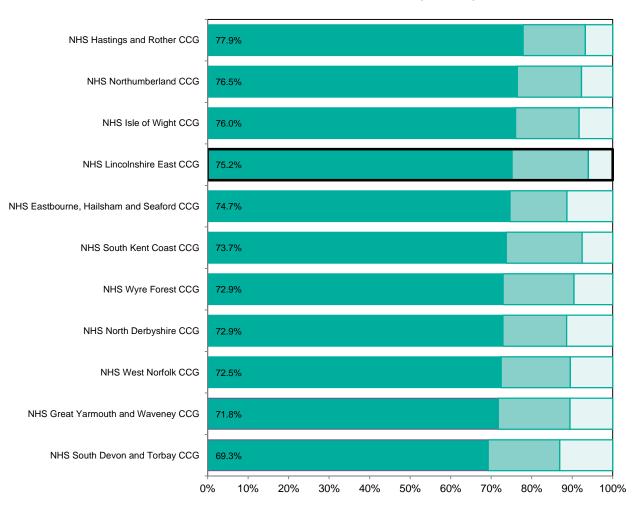
- 15,738 people with CKD (diagnosed\*) in NHS Lincolnshire East CCG
- 11,832 (75.2%) people whose blood pressure is <= 140 /85</li>
- 946 (6%) people who are exceptions
- 2,960 (18.8%) additional people whose blood pressure is not <= 140 / 85

\*Using the QOF clinical indicator CKD002 denominator plus exceptions. Note: as the CKD002 indicator was removed from the QOF in 15/16 this is historic data taken from the 2014/15 QOF.

# Percentage of patients on the CKD register whose last blood pressure reading (measured in the preceding 12 months) is 140/85 mmHg or less by CCG, 2014/15

#### Comparison with demographically similar CCGs

Below 140/85 Not below 140/85 Exceptions reported

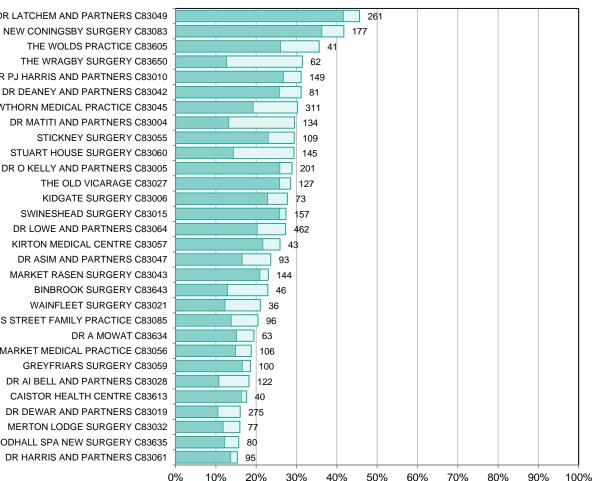


### Percentage of patients on the CKD register whose last blood pressure reading (measured in the preceding 12 months) is not 140/85 mmHg or less by GP practice, 2014/15

Not below 140/85

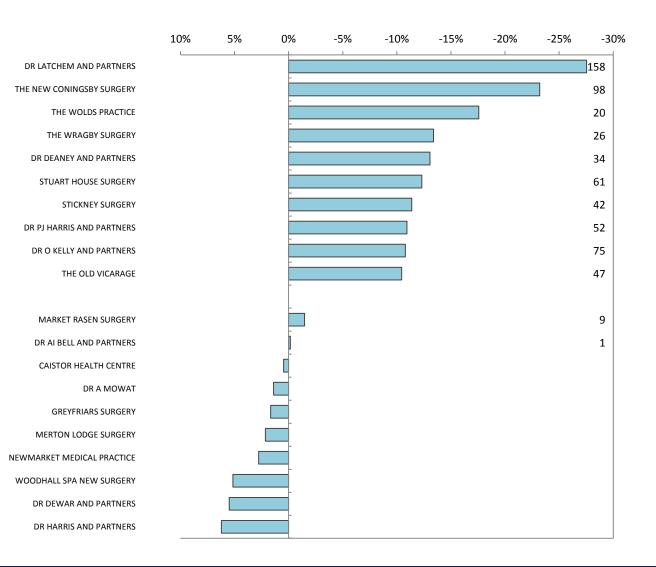
Exceptions reported

DR LATCHEM AND PARTNERS C83049 THE NEW CONINGSBY SURGERY C83083 THE WOLDS PRACTICE C83605 THE WRAGBY SURGERY C83650 DR PJ HARRIS AND PARTNERS C83010 DR DEANEY AND PARTNERS C83042 HAWTHORN MEDICAL PRACTICE C83045 DR MATITI AND PARTNERS C83004 STICKNEY SURGERY C83055 STUART HOUSE SURGERY C83060 DR O KELLY AND PARTNERS C83005 THE OLD VICARAGE C83027 KIDGATE SURGERY C83006 SWINESHEAD SURGERY C83015 DR LOWE AND PARTNERS C83064 KIRTON MEDICAL CENTRE C83057 DR ASIM AND PARTNERS C83047 MARKET RASEN SURGERY C83043 **BINBROOK SURGERY C83643** WAINFLEET SURGERY C83021 JAMES STREET FAMILY PRACTICE C83085 DR A MOWAT C83634 NEWMARKET MEDICAL PRACTICE C83056 **GREYFRIARS SURGERY C83059** DR AI BELL AND PARTNERS C83028 CAISTOR HEALTH CENTRE C83613 DR DEWAR AND PARTNERS C83019 MERTON LODGE SURGERY C83032 WOODHALL SPA NEW SURGERY C83635 DR HARRIS AND PARTNERS C83061



- in total, including exceptions, there are 3,906 people whose blood pressure is not <= 140 / 85
- GP practice range: 15.3% to 45.6%

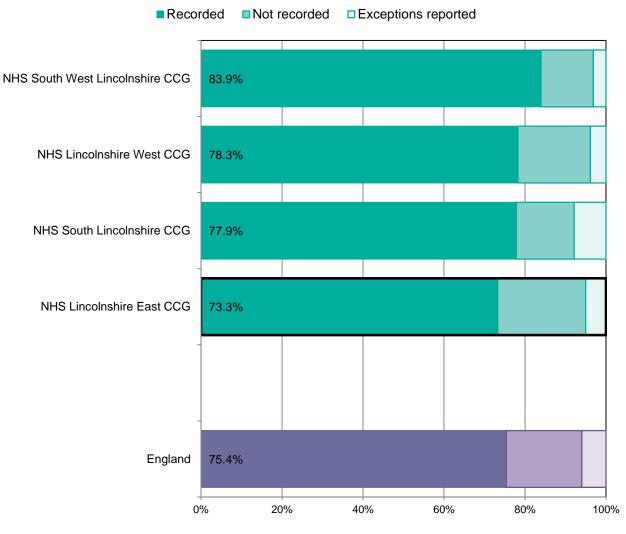
## Percentage of patients on the CKD register whose last blood pressure reading (measured in the preceding 12 months) is not 140/85 mmHg or less by GP practice, 2014/15 – opportunities compared to GP cluster



 using the GP cluster method of calculating potential gains, if each practice was to achieve as well as the upper quartile of its national cluster, then an additional 992 people would be treated

Details of this methodology are available on slide 9. Click <u>here to view them.</u> Percentage of patients on the CKD register whose notes have a record of a urine albumin: creatinine ratio test in the preceding 12 months by CCG, 2014/15

#### Comparison with CCGs in the STP

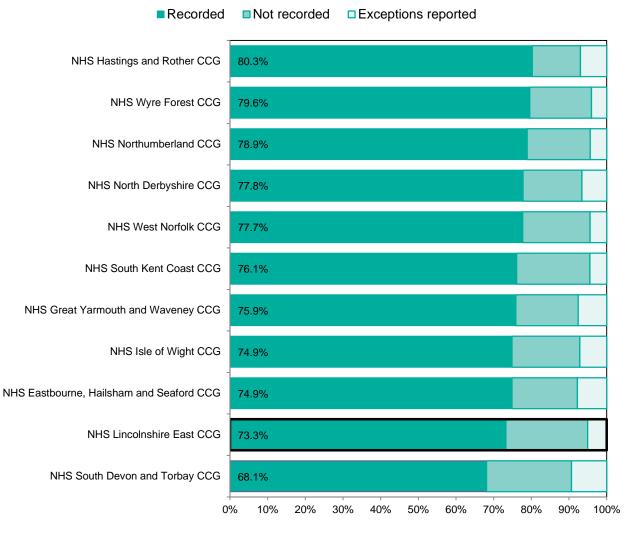


- 15,738 people with CKD (diagnosed\*) in NHS Lincolnshire East CCG
- 11,530 (73.3%) people who have a record of urine albumin:creatinine ratio test
- 794 (5%) people who are exceptions
- 3,414 (21.7%) additional people who have no record of urine albumin:creatinine ratio test

\*Using the QOF clinical indicator CKD004 denominator plus exceptions. Note: as the CKD004 indicator was removed from the QOF in 15/16 this is historic data taken from the 2014/15 QOF.

Percentage of patients on the CKD register whose notes have a record of a urine albumin: creatinine ratio test in the preceding 12 months by CCG, 2014/15

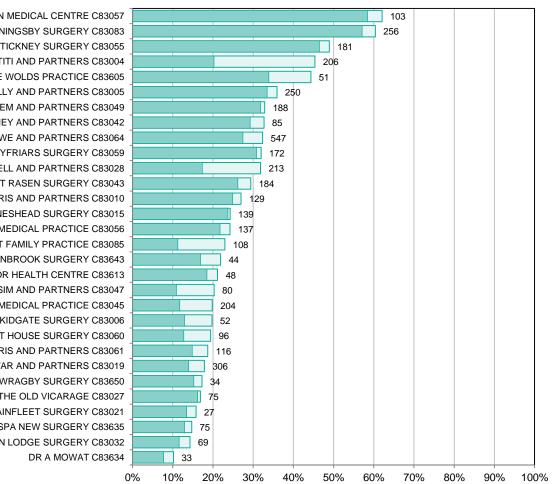
#### Comparison with demographically similar CCGs



#### Percentage of patients on the CKD register whose notes do not have a record of a urine albumin: creatinine ratio test in the preceding 12 months by GP practice, 2014/15

Not recorded Exceptions reported

KIRTON MEDICAL CENTRE C83057 THE NEW CONINGSBY SURGERY C83083 STICKNEY SURGERY C83055 DR MATITI AND PARTNERS C83004 THE WOLDS PRACTICE C83605 DR O KELLY AND PARTNERS C83005 DR LATCHEM AND PARTNERS C83049 DR DEANEY AND PARTNERS C83042 DR LOWE AND PARTNERS C83064 **GREYFRIARS SURGERY C83059** DR AI BELL AND PARTNERS C83028 MARKET RASEN SURGERY C83043 DR PJ HARRIS AND PARTNERS C83010 SWINESHEAD SURGERY C83015 NEWMARKET MEDICAL PRACTICE C83056 JAMES STREET FAMILY PRACTICE C83085 **BINBROOK SURGERY C83643** CAISTOR HEALTH CENTRE C83613 DR ASIM AND PARTNERS C83047 HAWTHORN MEDICAL PRACTICE C83045 **KIDGATE SURGERY C83006** STUART HOUSE SURGERY C83060 DR HARRIS AND PARTNERS C83061 DR DEWAR AND PARTNERS C83019 THE WRAGBY SURGERY C83650 THE OLD VICARAGE C83027 WAINFLEET SURGERY C83021 WOODHALL SPA NEW SURGERY C83635 MERTON LODGE SURGERY C83032 DR A MOWAT C83634



- in total, including exceptions, there are 4,208 people who have no record of urine albumin:creatinine ratio test
- GP practice range: 10.2% to 62.0%

## Heart

## Management of Heart Disease

Premature death and disability in people with CHD can be reduced significantly by systematic evidence based management in primary care

Coronary Heart Disease is one of the principal causes of premature death and disability. The key elements of management for an individual who has already had a heart attack or angina are symptom control and secondary prevention of further cardiovascular events and premature mortality. There is robust evidence to support the use of anti-platelet treatment, statins, beta-blockers and angiotensin converting enzyme inhibitors or angiotensin receptor blockers. There is also robust evidence to support good control of blood pressure. Each of these interventions is incentivised in QOF but variation in achievement and exception reporting at practice level shows that there is often considerable potential for improving management and outcomes.

Heart failure is a common and an important complication of coronary heart disease and other conditions. Appropriate treatment including up-titration of ace inhibitors and beta blockers in heart failure due to LVSD can significantly improve symptom control and quality of life, and improve outcomes for patients. Despite this, around a quarter of people with heart failure are undetected and untreated. And amongst those who are diagnosed, there is significant variation in the quality of care.

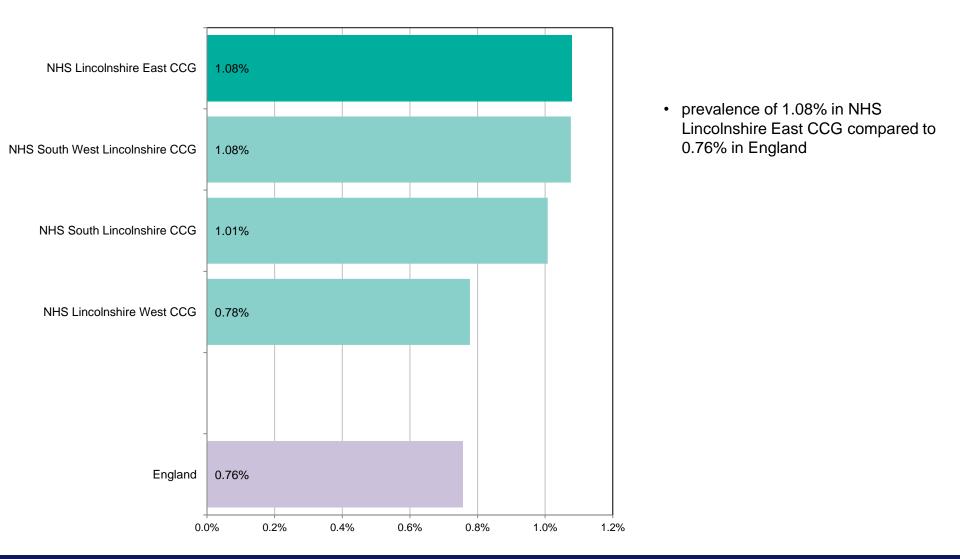
#### What questions should we ask in our CCG?

- 1. for each indicator how wide is the variation in achievement and exception reporting?
- 2. how many people would benefit if all practices performed as well as the best?
- how can we support practices who are average and below average to perform as well as the best in:
  - more systematic delivery of evidence based care for people with CHD
  - improved detection and management of heart failure

#### What might help

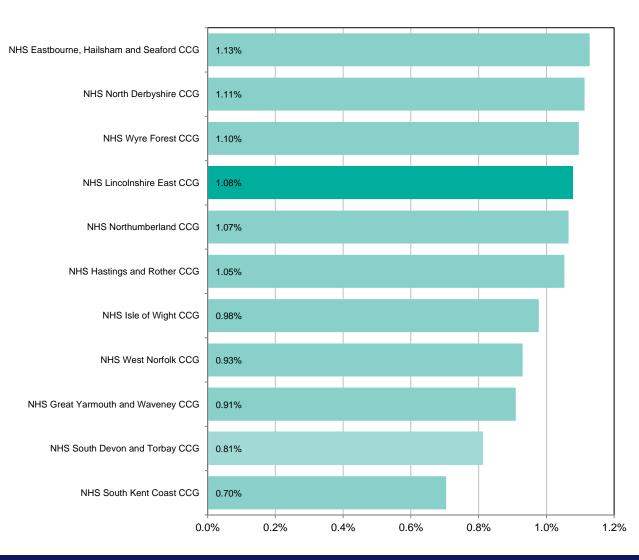
- roll out of GRASP-Heart Failure audit tool that identifies people with heart failure who are undiagnosed or under treated
- education for health professionals to promote evidence based management of CHD and high quality measurement of blood pressure
- 3. ensure access to rapid access diagnostic clinics and specialist support for management of angina and heart failure
- 4. ensure access to cardiac rehab for individuals with CHD and heart failure

Heart failure prevalence by CCG Comparison with CCGs in the STP



#### Heart failure prevalence by CCG

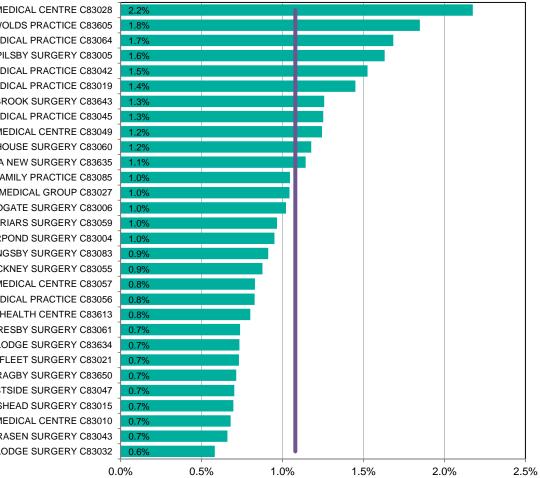
### Comparison with demographically similar CCGs



#### Heart failure prevalence by GP practice

GP practice ——CCG

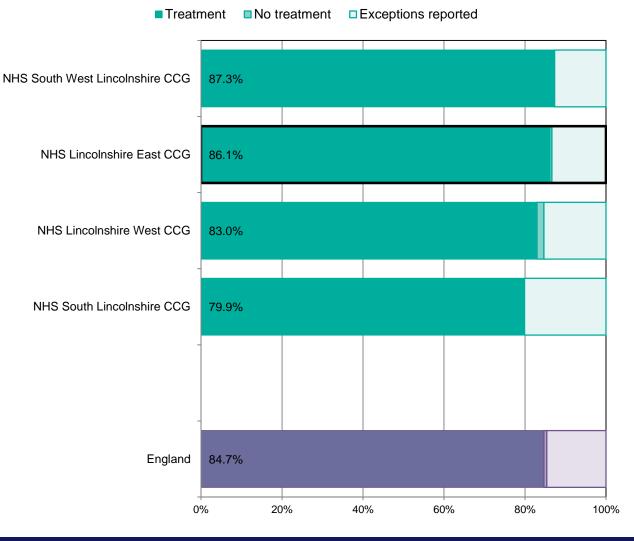
HOLBEACH MEDICAL CENTRE C83028 THE WOLDS PRACTICE C83605 MARISCO MEDICAL PRACTICE C83064 SPILSBY SURGERY C83005 MARSH MEDICAL PRACTICE C83042 **BEACON MEDICAL PRACTICE C83019 BINBROOK SURGERY C83643** HAWTHORN MEDICAL PRACTICE C83045 **OLD LEAKE MEDICAL CENTRE C83049** STUART HOUSE SURGERY C83060 WOODHALL SPA NEW SURGERY C83635 JAMES STREET FAMILY PRACTICE C83085 HORNCASTLE MEDICAL GROUP C83027 **KIDGATE SURGERY C83006 GREYFRIARS SURGERY C83059** LIQUORPOND SURGERY C83004 THE NEW CONINGSBY SURGERY C83083 STICKNEY SURGERY C83055 **KIRTON MEDICAL CENTRE C83057** NEWMARKET MEDICAL PRACTICE C83056 CAISTOR HEALTH CENTRE C83613 NORTH THORESBY SURGERY C83061 **TASBURGH LODGE SURGERY C83634** WAINFLEET SURGERY C83021 THE WRAGBY SURGERY C83650 WESTSIDE SURGERY C83047 SWINESHEAD SURGERY C83015 PARKSIDE MEDICAL CENTRE C83010 MARKET RASEN SURGERY C83043 MERTON LODGE SURGERY C83032



- 2,654 people with diagnosed heart failure in NHS Lincolnshire East CCG
- GP practice range: 0.6% to 2.2%

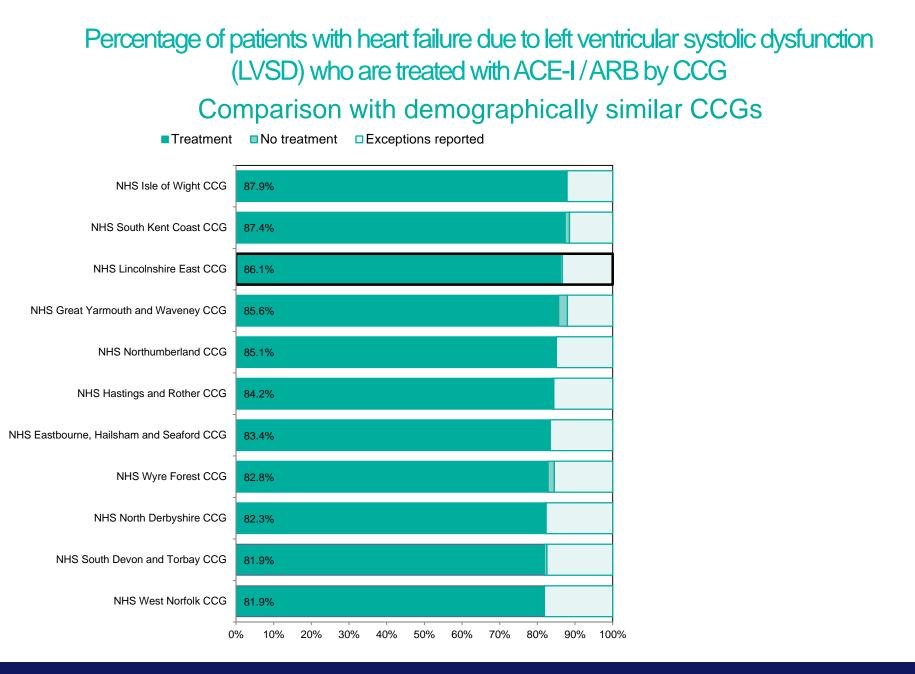
Percentage of patients with heart failure due to left ventricular systolic dysfunction (LVSD) who are treated with ACE-I/ARB by CCG

#### Comparison with CCGs in the STP



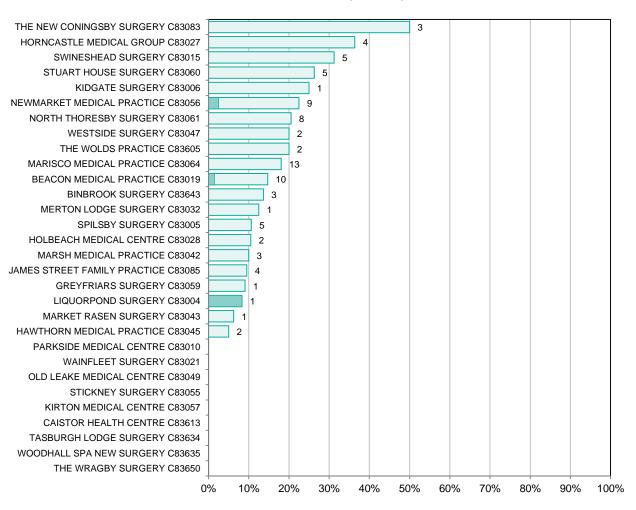
- 613 people with heart failure\* with LVSD in NHS Lincolnshire East CCG
- 528 (86.1%) people treated with ACE-I or ARB
- 82 (13.4%) people who are exceptions
- 3 (0.5%) additional people who are not treated with ACE-I or ARB

\*Using the QOF clinical indicator HF003 denominator plus exceptions



# Percentage of patients with heart failure due to left ventricular systolic dysfunction (LVSD) who are not treated with ACE-I/ARB by GP practice

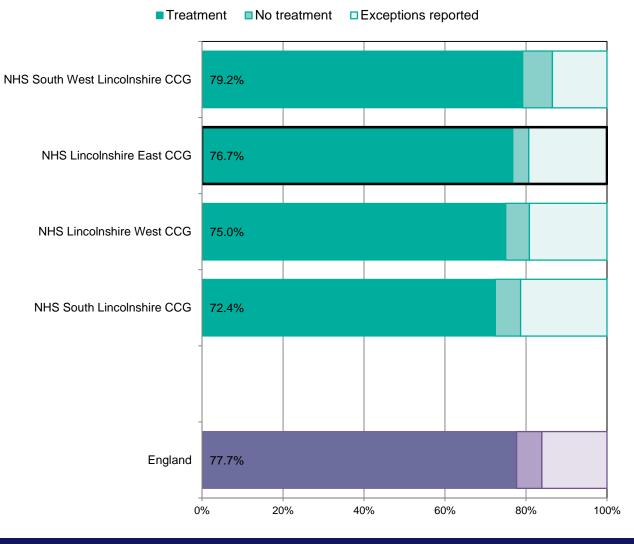
No treatment Exceptions reported



- in total, including exceptions, there are 85 people who are not treated with ACE-I or ARB
- GP practice range: 0.0% to 50.0%

Percentage of patients with heart failure due to left ventricular systolic dysfunction (LVSD) who are treated with ACE-I/ARB and BB by CCG

### Comparison with CCGs in the STP

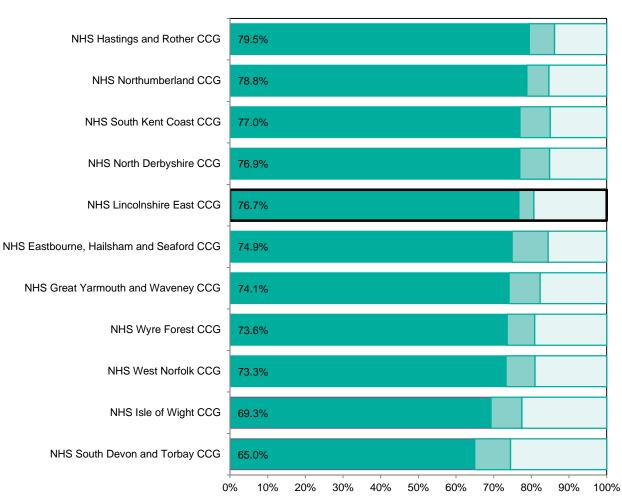


- 528 people with heart failure\* with LVSD treated with ACE-I/ARB in NHS Lincolnshire East CCG
- 405 (76.7%) people treated with ACE-I/ARB and BB
- 102 (19.3%) people who are exceptions
- 21 (4%) additional people who are not treated with ACE-I/ARB and BB

<sup>\*</sup>Using the QOF clinical indicator HF004 denominator plus exceptions

## Percentage of patients with heart failure due to left ventricular systolic dysfunction (LVSD) who are treated with ACE-I/ARB and BB by CCG

#### Comparison with demographically similar CCGs

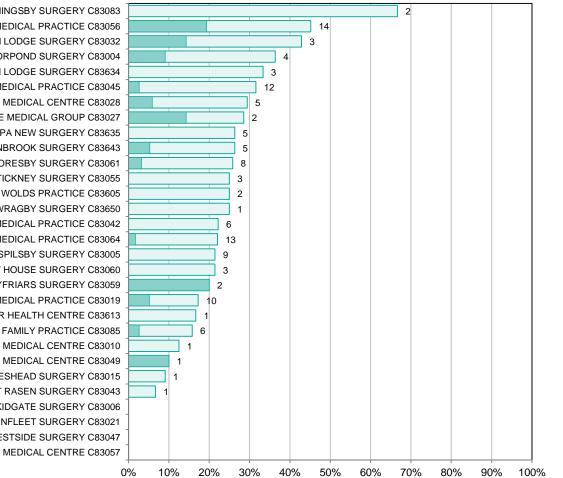


Treatment No treatment Exceptions reported

## Percentage of patients with heart failure due to left ventricular systolic dysfunction (LVSD) who are not treated with ACE-I/ARB and BB by GP practice

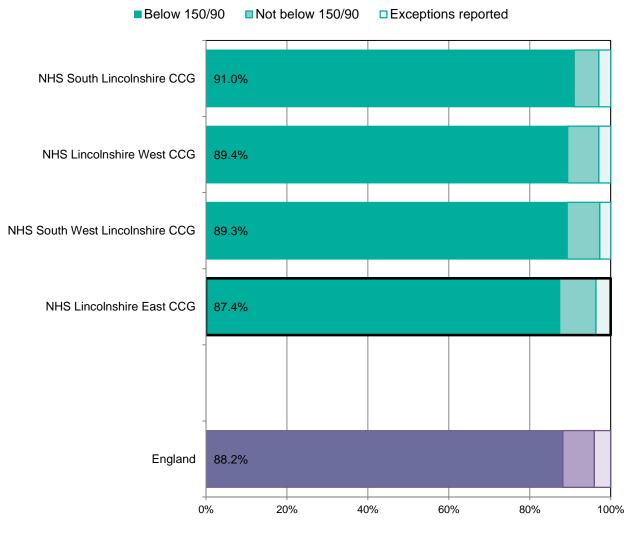
No treatment Exceptions reported

THE NEW CONINGSBY SURGERY C83083 NEWMARKET MEDICAL PRACTICE C83056 MERTON LODGE SURGERY C83032 LIQUORPOND SURGERY C83004 TASBURGH LODGE SURGERY C83634 HAWTHORN MEDICAL PRACTICE C83045 HOLBEACH MEDICAL CENTRE C83028 HORNCASTLE MEDICAL GROUP C83027 WOODHALL SPA NEW SURGERY C83635 **BINBROOK SURGERY C83643** NORTH THORESBY SURGERY C83061 STICKNEY SURGERY C83055 THE WOLDS PRACTICE C83605 THE WRAGBY SURGERY C83650 MARSH MEDICAL PRACTICE C83042 MARISCO MEDICAL PRACTICE C83064 SPILSBY SURGERY C83005 STUART HOUSE SURGERY C83060 **GREYFRIARS SURGERY C83059 BEACON MEDICAL PRACTICE C83019** CAISTOR HEALTH CENTRE C83613 JAMES STREET FAMILY PRACTICE C83085 PARKSIDE MEDICAL CENTRE C83010 **OLD LEAKE MEDICAL CENTRE C83049** SWINESHEAD SURGERY C83015 MARKET RASEN SURGERY C83043 **KIDGATE SURGERY C83006** WAINFLEET SURGERY C83021 WESTSIDE SURGERY C83047 **KIRTON MEDICAL CENTRE C83057** 



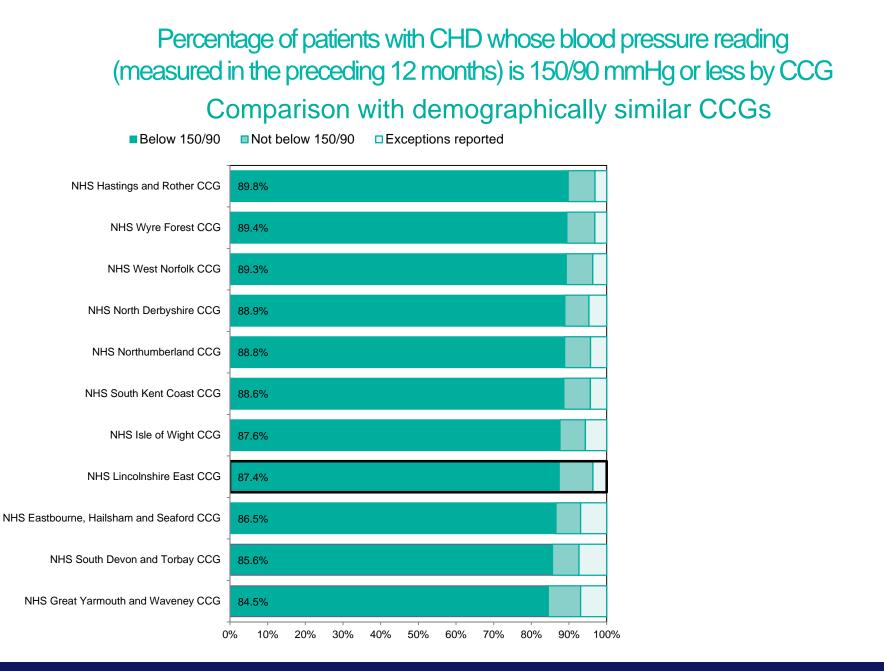
- in total, including exceptions, there are 123 people who are not treated with ACE-I or ARB
- GP practice range: 0.0% to 66.7%

Percentage of patients with CHD whose blood pressure reading (measured in the preceding 12 months) is 150/90 mmHg or less by CCG Comparison with CCGs in the STP



- 12,304 people with coronary heart disease\* in NHS Lincolnshire East CCG
- 10,755 (87.4%) people whose blood pressure <= 150 / 90</li>
- 447 (3.6%) people who are exceptions
- 1,102 (9%) additional people whose blood pressure is not <= 150 / 90</li>

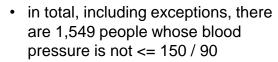
\*Using the QOF clinical indicator CHD002 denominator plus exceptions

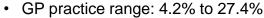


# Percentage of patients with CHD whose blood pressure reading (measured in the preceding 12 months) is not 150/90 mmHg or less by GP practice

Not below 150/90 Exceptions reported

PARKSIDE MEDICAL CENTRE C83010 115 THE NEW CONINGSBY SURGERY C83083 93 **OLD LEAKE MEDICAL CENTRE C83049** 78 STUART HOUSE SURGERY C83060 63 STICKNEY SURGERY C83055 43 **KIDGATE SURGERY C83006** 34 LIQUORPOND SURGERY C83004 69 HORNCASTLE MEDICAL GROUP C83027 73 MARSH MEDICAL PRACTICE C83042 47 BEACON MEDICAL PRACTICE C83019 191 JAMES STREET FAMILY PRACTICE C83085 42 TASBURGH LODGE SURGERY C83634 24 HAWTHORN MEDICAL PRACTICE C83045 107 WESTSIDE SURGERY C83047 40 THE WOLDS PRACTICE C83605 16 THE WRAGBY SURGERY C83650 23 MARISCO MEDICAL PRACTICE C83064 131 HOLBEACH MEDICAL CENTRE C83028 44 MARKET RASEN SURGERY C83043 47 **KIRTON MEDICAL CENTRE C83057** 27 WAINFLEET SURGERY C83021 13 MERTON LODGE SURGERY C83032 30 NEWMARKET MEDICAL PRACTICE C83056 40 **GREYFRIARS SURGERY C83059** 37 **BINBROOK SURGERY C83643** 10 SPILSBY SURGERY C83005 29 CAISTOR HEALTH CENTRE C83613 19 WOODHALL SPA NEW SURGERY C83635 21 24 SWINESHEAD SURGERY C83015 NORTH THORESBY SURGERY C83061 19





10%

20%

30%

40%

50%

60%

70%

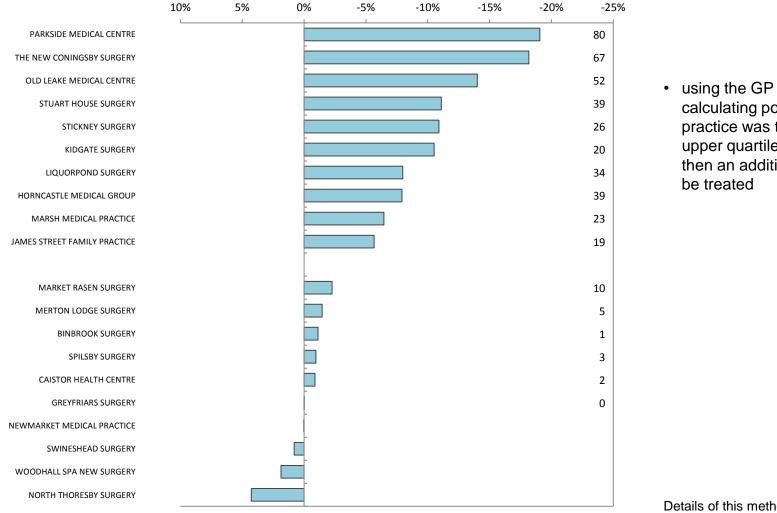
80%

90%

100%

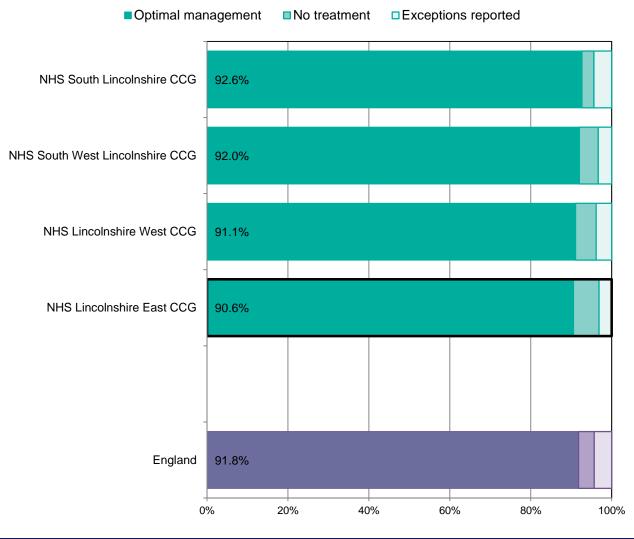
0%

Percentage of patients with CHD whose blood pressure reading (measured in the preceding 12 months) is not 150/90 mmHg or less by GP practice – opportunities compared to GP cluster



 using the GP cluster method of calculating potential gains, if each practice was to achieve as well as the upper quartile of its national cluster, then an additional 602 people would be treated

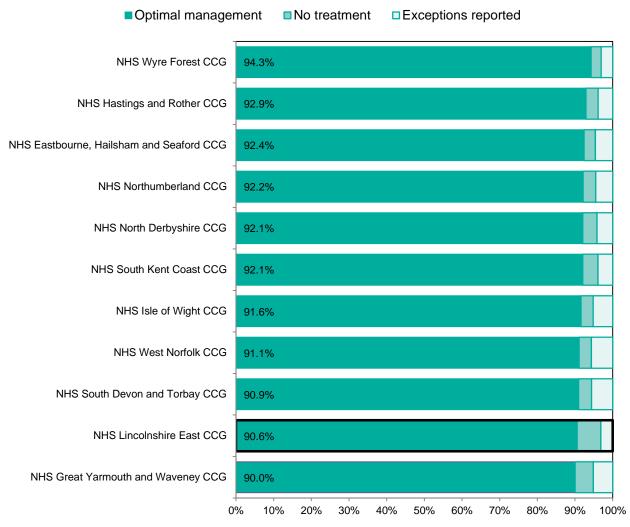
Details of this methodology are available on slide 9. Click <u>here</u> to view them. Percentage of patients with CHD with a record in the preceding 12 months that aspirin, an alternative anti-platelet therapy, or an anti-coagulant is being taken by CCG Comparison with CCGs in the STP



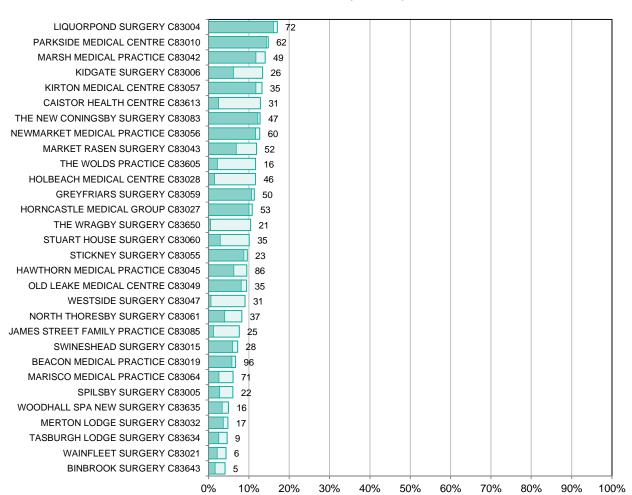
- 12,304 people with coronary heart disease\* in NHS Lincolnshire East CCG
- 11,142 (90.6%) people who are taking aspirin, an alternative anti-platelet therapy, or an anti-coagulant
- 386 (3.1%) people who are exceptions
- 776 (6.3%) additional people who are not taking aspirin, an alternative antiplatelet therapy, or an anti-coagulant

<sup>\*</sup>Using the QOF clinical indicator CHD005 denominator plus exceptions

Percentage of patients with CHD with a record in the preceding 12 months that aspirin, an alternative anti-platelet therapy, or an anti-coagulant is being taken by CCG Comparison with demographically similar CCGs



# Percentage of patients with CHD without a record in the preceding 12 months that aspirin, an alternative anti-platelet therapy, or an anti-coagulant is being taken by GP practice

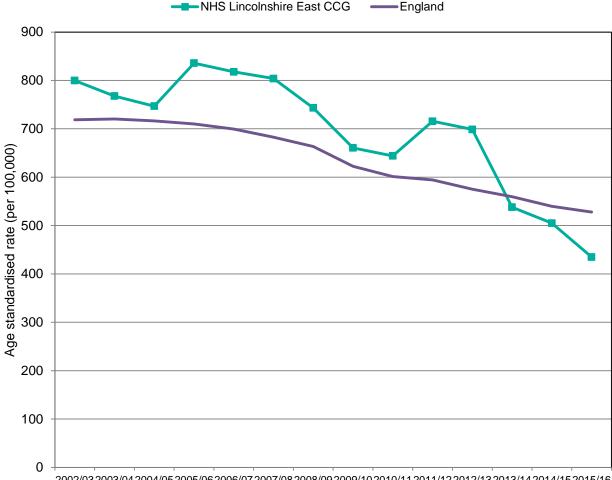


No treatment Exceptions reported

- in total, including exceptions, there are 1,162 people are not taking aspirin, an alternative anti-platelet therapy, or an anti-coagulant
- GP practice range: 4.1% to 17.1%

# Some data on outcomes for people with cardiovascular disease

## Hospital admissions for coronary heart disease for all ages 2002/03 – 2015/16

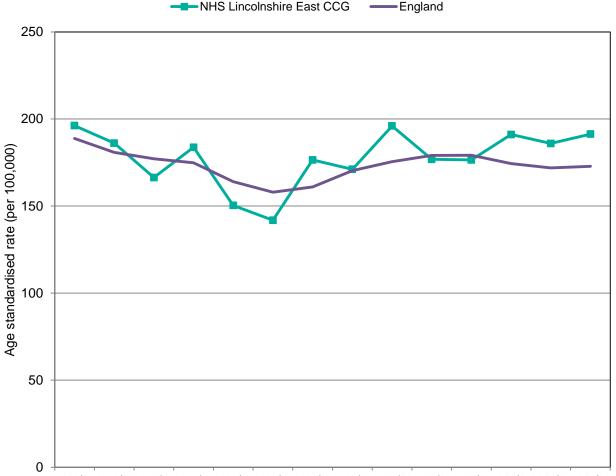


in NHS Lincolnshire East CCG, the hospital admission rate for coronary heart disease in 2015/16 was 434.9 (1,243) compared to 527.9 for England

2002/03 2003/04 2004/05 2005/06 2006/07 2007/08 2008/09 2009/10 2010/11 2011/12 2012/13 2013/14 2014/15 2015/16

Source: Hospital Episode Statistics (HES), 2002/03 - 2015/16, Copyright © 2017, Re-used with the permission of NHS Digital. All rights reserved

#### Hospital admissions for stroke for all ages 2002/03 - 2015/16

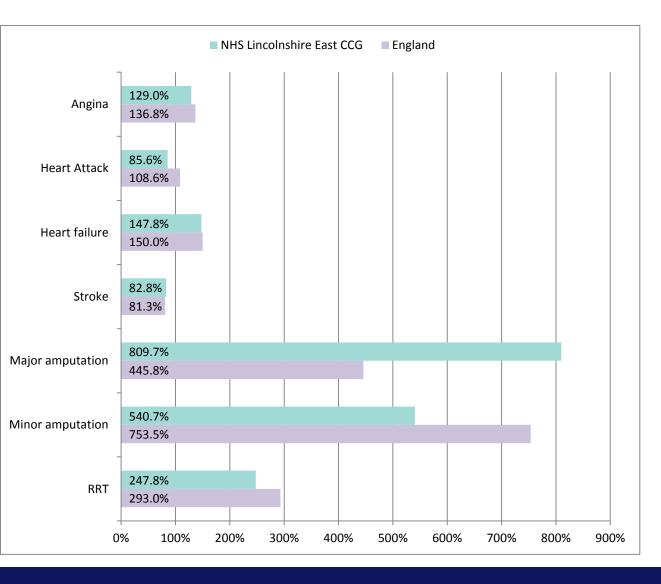


 in NHS Lincolnshire East CCG, the hospital admission rate for stroke in 2015/16 was 191.3 (554) compared to 172.8 for England

2002/032003/042004/052005/062006/072007/082008/092009/102010/112011/122012/132013/142014/152015/16

Source: Hospital Episode Statistics (HES), 2002/03 - 2015/16, Copyright © 2017, Re-used with the permission of NHS Digital. All rights reserved

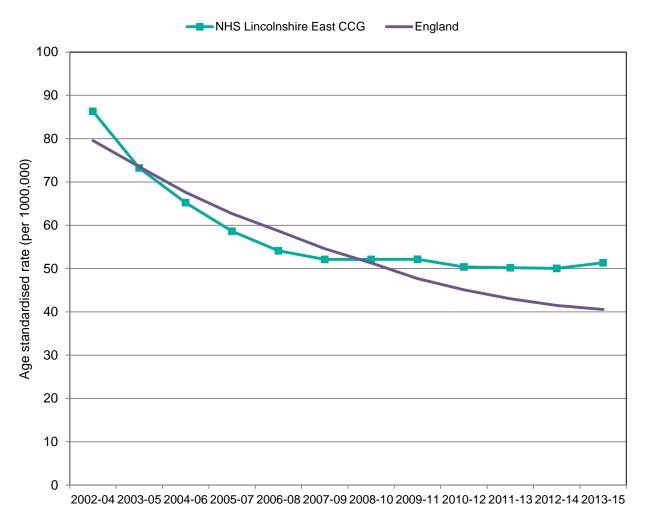
#### Additional risk of complications for people with diabetes, three year follow up, 2013/14



 The risk of a stroke was 82.8% higher and the risk of a heart attack was 85.6% higher compared to people without diabetes. The risk of a major amputation was 809.7% higher.

Note: This slide uses data from the National Diabetes Audit (NDA)

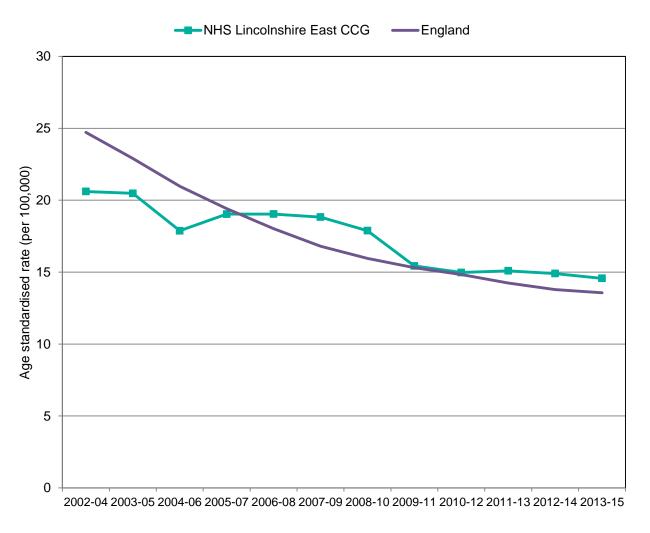
#### Deaths from coronary heart disease, under 75s



 in NHS Lincolnshire East CCG, the early mortality rate for coronary heart disease in 2013-15 was 51.3, compared to 40.6 for England

Source: Office for National Statistics (ONS) mortality data 2002 - 2015

#### Deaths from stroke, under 75s



 in NHS Lincolnshire East CCG, the early mortality rate for stroke in 2013-15 was 14.6, compared to 13.6 for England

Source: Office for National Statistics (ONS) mortality data 2002 - 2015

## Appendix

#### Data sources

- Quality and Outcomes Framework (QOF), 2015/16, Copyright © 2016, re-used with the permission of NHS Digital. All rights
  reserved
- Non-diabetic hyperglycaemia prevalence estimates, NCVIN, PHE: <u>https://www.gov.uk/government/publications/nhs-diabetes-prevention-programme-non-diabetic-hyperglycaemia</u>
- Diabetes prevalence estimates, NCVIN, PHE: <u>https://www.gov.uk/government/publications/diabetes-prevalence-estimates-for-local-populations</u>
- CKD Prevalence model, G.Aitken, University of Southampton , 2014 <u>https://www.gov.uk/government/publications/ckd-prevalence-estimates-for-local-and-regional-populations</u>
- Hypertension prevalence estimates for local CCG populations. Created using data from: QOF hypertension registers 2014/15 and; Undiagnosed hypertension estimates for adults 16 years and older. 2014. Department of Primary Care & Public Health, Imperial College London <a href="https://www.gov.uk/government/publications/hypertension-prevalence-estimates-for-local-populations">https://www.gov.uk/government/publications/hypertension-prevalence-estimates-for-local-populations</a>
- NHS Stop smoking services Copyright © 2014, NHS Digital
- Norberg J, Bäckström S, Jansson J-H, Johansson L. Estimating the prevalence of atrial fibrillation in a general population using validated electronic health data. Clin Epidemiol 2013; 5 475 – 81.
- National Diabetes Audit, 2013/14 and 2015/16, Copyright © 2016, re-used with the permission of NHS Digital. All rights reserved
- Hospital Episode Statistics (HES), 2002/03 2015/16, Copyright © 2017, Re-used with the permission of NHS Digital. All rights reserved
- Office for National Statistics (ONS) mortality data 2002 2015, Copyright © 2017, Re-used with the permission of the Office for National Statistics. All rights reserved

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