Introduction to the National Cardiovascular Intelligence Network (NCVIN)

Rachel Clark – National Lead, NCVIN

Getting Serious About Cardiovascular Disease Prevention 2018: Reducing Variation and Optimising Care conference
Cardiovascular Disease Outcomes Strategy

• Manage CVD as a single family of diseases
• Improve prevention and risk management
• Improving and enhancing case finding in primary care
• Better identification of very high risk families/individuals
• Better early management and secondary prevention in the community
• Improve acute care
• Improve care for patients living with CVD
• Improve intelligence, monitoring and research and support commissioning
“the NHS Commissioning Board and Public Health England will look to establish a cardiovascular intelligence network (CVIN) bringing together epidemiologists, analysts, clinicians and patient representatives. The CVIN, working with the HSCIC, will bring together existing CVD data and identify how to use it best”

Cardiovascular Disease Outcomes Strategy, 2013
Integrated partnerships with cardiovascular audits

- SSNAP
- NICOR
- UKRR
- NDA

NCVIN Clinical Leads

Dr Patrick Gomptez
Dr Mark deBelder
Dr James Medcalf
NCVIN: Our workstreams

INTELLIGENCE INTO PRACTICE
To embed information & intelligence into local service improvement

TOOLS & RESOURCES
To develop relevant and timely tools & resources through a single portal

RESEARCH & DEVELOPMENT
To take a strategic lead on the creative & innovative development of information
Core services

• CVD statistical and epidemiological analysis and interpretation
  • Data analysis – surveys, audits
  • User friendly outputs – maps, charts, interactive profiles
  • Prevalence models

• Translation of data into decision making
  • Masterclasses
  • Workshops
  • Clinical champions

• Networking, partnerships, supporting the system

• Emerging activity…….Monitoring of national programmes
Tools and resources
Guidance

Cardiovascular disease data and analysis: a guide for health professionals

From: Public Health England
Published: 3 May 2017
Last updated: 4 September 2017, see all updates

Explains how commissioners and health professionals can use data and analysis for decisions about cardiovascular services and interventions.

Contents
— CVD primary care intelligence packs
— Summary profiles of cardiovascular data
— Estimates of CVD prevalence
— Spending on care versus patient outcomes
— Other resources

This guidance is for commissioners, public health directors and others involved in the local planning and provision of services and interventions that support people with cardiovascular disease (CVD) conditions.

Public Health England (PHE) collates and analyses available CVD data and produces intelligence resources to help with improving services and outcomes. This guidance supports health professionals with using these resources to make or influence decisions about local services.
Resources

- **CVD Primary care intelligence packs**

- **Summary profiles of cardiovascular data**
  - CVD, Diabetes footcare, Hypertension

- **Estimates of CVD prevalence**
  - Atrial fibrillation, Chronic kidney disease, Diabetes, Hypertension, Non-diabetic hyperglycaemia

- **Other resources**
  - Spending on care versus patient outcomes – DOVE, CVOVE
  - Atrial fibrillation data intelligence packs
  - Blood pressure data intelligence packs
Cardiovascular Disease

Cardiovascular disease profiles

This tool presents an overview of data on cardiovascular and cardiovascular related conditions of heart disease, stroke, diabetes and kidney disease. The profiles are for commissioners and health professionals when assessing the impact of cardiovascular disease on their local population and making decisions about services. They include data on mortality, hospital admissions, procedures and disease management.

Narrative profile reports are available for each clinical commissioning group (CCG) in England. To download these for a specific CCG click on the links below:

Heart Disease
Stroke
Kidney Disease
Diabetes

Alternatively click on the Start button to go to the data directly.

The profiles are created and maintained by the National Cardiovascular Intelligence Network (NCVIN).

Other CVD data and intelligence resources

NCVIN collates and produces other intelligence resources to help health professionals to make or influence decisions about local services. Guidance on these resources can be found [here](#).

Recent updates

**February 2018**
Admissions, mortality, treatment care and services provision data updated for heart disease, stroke, kidney and diabetes online

Narrative reports updated for heart disease, stroke, kidney and diabetes

**December 2017**
CCG and GP indicators from the Quality and Outcomes Framework (2015/17) updated in online data

CCG and GP indicators from the National Diabetes Audit (Report 1 Care Processes and Treatment Targets 2016-17) updated in online data
# Cardiovascular Disease

## Risk Factors

### Overview

- **Area type:** CCGs (per 42917)
- **Areas grouped by:** Sub-region
- **BENCHMARK England**

### Comparison Across Areas

- **Search for areas**

### Table: CVD Profiles - Heart Disease

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Period</th>
<th>England</th>
<th>SUS</th>
<th>North East</th>
<th>North West</th>
<th>South East</th>
<th>South West</th>
<th>Yorkshire and the Humber</th>
<th>West Midlands</th>
<th>East Midlands</th>
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<tbody>
<tr>
<td>CHD</td>
<td>2016/17</td>
<td>3.2</td>
<td>4.5</td>
<td>4.7</td>
<td>3.8</td>
<td>3.1</td>
<td>4.2</td>
<td>3.9</td>
<td>4.2</td>
<td>4.0</td>
</tr>
<tr>
<td>Heart failure</td>
<td>2016/17</td>
<td>0.8</td>
<td>1.1</td>
<td>1.2</td>
<td>1.6</td>
<td>1.2</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>0.9</td>
</tr>
</tbody>
</table>

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**Background**

This cardiovascular disease summary profile follows the guidance of the National Cardiovascular Intelligence Network (NCVIN). Summary profiles are available for each clinical commissioning group (CCG) in England on cardiovascular disease and heart failure. The CCG report comparison follows the CCG with data for England, a group of similar CCGs in the North East, the North West, the South East, and the South West.

**CVD Profiles - Heart Disease**

**February 2018**

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**Fact Sheet**

- **Early mortality (under 75 years):**
  - CHD: 36.5% from 2000-2010
  - Stroke: 31.3% from 2000-2010

**Year-End**

In 2017/18, NHS expenditure on CCGs in England was £52.2 billion. This amounts to £28.4 billion for stroke and £33.8 billion for CHD.

**Objective 1:**

- **By 2021/22:**
  - CHD: 30% reduction in UKCHD
  - Stroke: 20% reduction in UKCHD

**Objective 2:**

- **By 2021/22:**
  - CHD: 20% reduction in UKCHD
  - Stroke: 10% reduction in UKCHD
Dear colleague

We’ve recently completed updates for some of our most well-established and used outputs: CVD primary care intelligence packs and Diabetes foot care profiles. We hope that you find the new data in these resources useful and would be keen to hear from you about how you might have put what you’ve found out from looking at them into practice on the ground. Do let us know how you’ve used these and if you have any thoughts for how they might be improved by emailing ncvin@phe.gov.uk

Like many of you, we’re also beginning to look ahead to what our work programme might include in 2018/19. It still seems some time off but we know that we’ll be trying to make detailed plans before long. If you have any suggestions for how our work programme can best meet your needs next year, please let us know by emailing ncvin@phe.gov.uk

Rachel Clark
National Lead, National Cardiovascular Intelligence Network
Public Health England

New and updated

For more information on using our data and to access our products, visit Cardiovascular disease data and analysis: a guide for health professionals

Diabetes foot care profiles update

subscribe for future emails here selecting ‘NCVIN update’.