Public Health England

Protecting and improving the nation's health

An overview of Public Health England Cardiovascular Disease Profiles - focus on Fingertips

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CVD on Fingertips - https://fingertips.phe.org.uk

Cardiovascular Disease tool

- Presents an overview of data on cardiovascular and related conditions of heart disease, stroke, diabetes and kidney disease
- 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 CCG
- Created and maintained by the National Cardiovascular Intelligence Network (NCVIN)

Accessing the data: Narrative profile reports
https://fingertips.phe.org.uk/profile/cardiovascular

Cardiovascular Disease

Indicator keywords

Cardiovascular disease profiles

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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).

START
Go to the data

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 (2016/17) updated in online data

Accessing the data – Using the tool

Cardiovascular Disease

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Tool uses 'house' Fingertips style
Five domains, seven views, area options, and key

Overview – default view, 'tartan rug', compares indicators for each area/CCG

Indicator	Period	England	London NHS region	NHS Harrow CCG	NHS Brent CCG	NHS Newham CCG	NHS Redbridge CCG	NHS Ealing CCG	NHS Barking And Dagenham CCG	NHS Enfield CCG	NHS Hounslow CCG	NHS Hillingdon CCG	NHS Bexley CCG	NHS Croydon CCG	NHS Tower Hamlets CCG	NHS Waltham Forest CCG	NHS Greenwich CCG	NHS Sutton CCG	NHS Havering CCG	NHS Lewisham CCG	NHS Haringey CCG	NHS Barnet CCG	NHS Merton CCG
Estimated smoking prevalence (QOF)	2016/17	17.6	17.3	13.2	16.8	18.5	13.7	15.2	20.1	18.4	16.2	16.0	16.0	16.9	20.2	19.8	18.5	16.3	16.0	19.6	21.5	14.8	15.3
Hypertension: QOF prevalence (all ages)	2016/17	13.8	11.1	13.2	12.3	10.6	11.7	12.3	11.6	13.2	11.7	12.5	13.8	12.4	7.6	11.1	12.4	12.3	13.7	11.4	10.6	11.8	10.6
HYP006: Blood pressure <= 150/90 mmHg in people with hypertension	2016/17	80.0	79.3	80.9	79.8	81.0	79.5	79.8	78.1	79.1	78.9	80.7	79.7	79.6	87.3	78.6	77.1	77.1	78.9	77.9	75.7	78.5	76.1
CVD-PP001: new hypertension patients, age 30-74, with CV risk assessment >=20% treated w. statins (den.incl.exc.)	2016/17	65.9	75.4	77.0	74.5	76.0	81.4	78.3	83.7	78.7	82.8	79.9	73.0	73.2	86.7	72.0	70.8	67.9	71.7	75.5	83.9	76.2	66.7
BP002: Patients, aged 45+, who have a record of blood pressure (last 5yrs)	2016/17	90.7	90.1	91.2	91.5	93.4	92.0	90.1	92.6	93.0	90.7	89.3	92.2	89.5	94.1	90.9	91.5	90.5	90.8	91.2	91.6	91.0	87.2
SMOK002: status recorded in last 12 mths (certain conditions), den incl exc	2016/17	94.5	94.7	95.9	95.9	96.0	96.2	94.5	95.9	96.0	94.8	95.3	94.2	95.1	95.0	95.1	93.3	93.9	94.1	94.4	94.7	95.4	93.6

Trends example – plots time points for each indicator
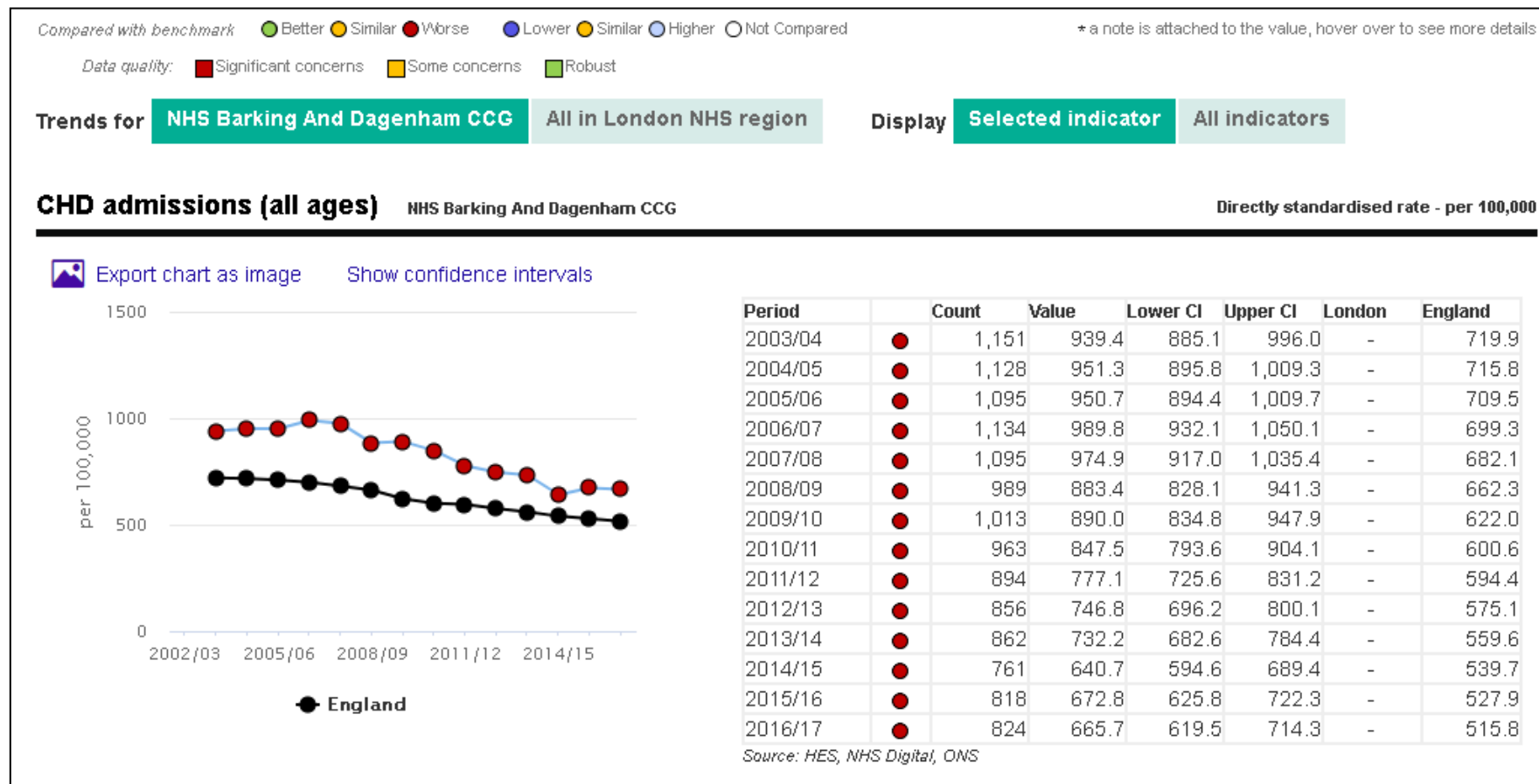

Compared with benchmark: ● Better ● Similar ● Worse ● Lower ● Similar ● Higher ○ Not Compared   * a note is attached to the value, hover over to see more details

Data quality: ■ Significant concerns ■ Some concerns ■ Robust

Trends for | NHS Barking And Dagenham CCG | All in London NHS region   **Display** | Selected indicator | All indicators

CHD admissions (all ages)   NHS Barking And Dagenham CCG   Directly standardised rate - per 100,000

Export chart as image   Show confidence intervals

Period		Count	Value	Lower CI	Upper CI	London	England
2003/04	●	1,151	939.4	885.1	996.0	-	719.9
2004/05	●	1,128	951.3	895.8	1,009.3	-	715.8
2005/06	●	1,095	950.7	894.4	1,009.7	-	709.5
2006/07	●	1,134	989.8	932.1	1,050.1	-	699.3
2007/08	●	1,095	974.9	917.0	1,035.4	-	682.1
2008/09	●	989	883.4	828.1	941.3	-	662.3
2009/10	●	1,013	890.0	834.8	947.9	-	622.0
2010/11	●	963	847.5	793.6	904.1	-	600.6
2011/12	●	894	777.1	725.6	831.2	-	594.4
2012/13	●	856	746.8	696.2	800.1	-	575.1
2013/14	●	862	732.2	682.6	784.4	-	559.6
2014/15	●	761	640.7	594.6	689.4	-	539.7
2015/16	●	818	672.8	625.8	722.3	-	527.9
2016/17	●	824	665.7	619.5	714.3	-	515.8

Source: HES, NHS Digital, ONS

Compare Areas example

Diabetes: QOF prevalence (17+) 2016/17 — Proportion - %

Area	Count	Value		95% Lower CI	95% Upper CI
England	3,116,399	6.7		6.7	6.7
London NHS region	494,933	6.5		6.4	6.5
NHS Harrow CCG	19,637	9.4		9.3	9.5
NHS Brent CCG	26,063	8.8		8.7	8.9
NHS Newham CCG	25,706	8.6		8.5	8.7
NHS Redbridge CCG	19,835	8.3		8.2	8.4
NHS Ealing CCG	27,597	8.1		8.0	8.2
NHS Barking And Dagenham…	12,727	7.9		7.8	8.0
NHS Enfield CCG	19,687	7.7		7.6	7.8
NHS Hounslow CCG	18,698	7.7		7.6	7.8
NHS Hillingdon CCG	17,618	7.3		7.2	7.4
NHS Bexley CCG	13,044	7.0		6.9	7.1
NHS Croydon CCG	22,124	6.9		6.8	7.0
NHS Tower Hamlets CCG	16,985	6.8		6.7	6.9
NHS Waltham Forest CCG	16,159	6.7		6.6	6.8
NHS Greenwich CCG	14,618	6.6		6.5	6.7
NHS Sutton CCG	9,920	6.6		6.4	6.7
NHS Havering CCG	14,309	6.5		6.4	6.6
NHS Lewisham CCG	16,663	6.5		6.4	6.6
NHS Haringey CCG	15,213	6.2		6.1	6.3
NHS Barnet CCG	20,105	6.2		6.1	6.3
NHS Merton CCG	10,934	6.1		6.0	6.2
NHS Southwark CCG	16,121	6.1		6.0	6.2
NHS City And Hackney CCG	14,158	5.7		5.6	5.8
NHS Lambeth CCG	18,274	5.5		5.5	5.6
NHS Bromley CCG	15,107	5.5		5.4	5.6

Area profiles example – stroke domain

Compared with benchmark: ○ Better ○ Similar ● Worse ● Lower ○ Similar ○ Higher ○ Not Compared   * a note is attached to the value, hover over to see more details

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Benchmark Value

Worst/Lowest   25th Percentile   75th Percentile   Best/Highest

Export table as image

Indicator	Period	Havering Count	Havering Value	Sub-region Value	England Value	England Worst/Lowest	England Range	England Best/Highest
Stroke: QOF prevalence (all ages)	2016/17	3,983	1.4%	1.1%	1.7%	0.7%		2.7%
Atrial fibrillation: QOF prevalence	2016/17	4,475	1.6%	1.1%	1.8%	0.5%		3.2%
Estimated prevalence of atrial fibrillation	2015/16	7,009	2.6%	1.7%*	2.4%	3.9%		1.0%
STIA003: Last BP reading is <=150/90 (den. incl. exc.)	2016/17	3,328	83.6%	84.7%	84.2%	78.0%		93.3%
STIA007: Record that an anti-platelet agent or an anti-coagulant is taken (den. incl. exc.)	2016/17	2,579	89.4%	91.1%	91.9%	87.7%		95.1%
AF007: treated w anti-coag. therapy (CHADS2DS2-VASc >=2) (den.incl.exc.)	2016/17	2,902	79.1%	77.9%	81.2%	69.2%		90.2%
Stroke admissions (Sentinel Stroke National Audit Programme)	2015/16	346	346	-	76859	-	-	-
Stroke all age admission trends	2015/16	348	143.4	-	172.8	309.8		114.6
Stroke mortality rates, under 75 years (age standardised)	2013 - 15	64	10.6	-	13.6	30.9		7.2
Stroke mortality rates, over 75 years (age standardised)	2013 - 15	381	552.6	-	594.7	1,095.7		373.6
Stroke patients who are assessed at 6 months	2015/16	62	20.5%	-	29.7%	0.0%		97.3%
Stroke admissions with history of atrial fibrillation not prescribed anticoagulation prior to stroke	2015/16	32	52.5%	-	52.5%	78.6%		0.0%

Reports example

Example of a topic-based report for one CCG

Public Health England

CVD Profile - Stroke

February 2018

NHS Kingston CCG

Background

This cardiovascular disease summary profile focuses on stroke and is produced by the National Cardiovascular Intelligence Network (NCVIN). Summary profiles are available for each clinical commissioning group (CCG) in England in coronary heart disease and heart failure, diabetes, kidney disease and stroke. This profile compares the CCG with data for England, a group of similar CCGs and the South West London Sustainability and Transformation Partnership (STP).

Key Information

In 2016/17 there were 2,098 people who have previously been diagnosed with a stroke in NHS Kingston CCG. In the same period there were 157 admissions recorded on the Sentinel Stroke National Audit Programme (SSNAP).

The diagnosed prevalence of atrial fibrillation (AF) in this CCG is 1.2% and the estimated prevalence is 1.9%. There could be an additional 1,367 people with undiagnosed atrial fibrillation in the CCG.

In this CCG, 33.3% of stroke patients admitted who had a history of atrial fibrillation were not prescribed anticoagulation: this is lower than the England rate (47.5%).

In the SSNAP audit data for this CCG

Key Facts	CCG	Similar CCGs	STP	England
Atrial fibrillation QOF prevalence (per cent)	1.2	1.6	1.2	1.8
Estimated prevalence of atrial fibrillation (per cent)	1.9	2.3	1.8	2.4

Definitions example – metadata for each indicator

Indicator Definitions and Supporting Information

Indicator ID	90988
Indicator full name	Trend of CHD admissions rates from 2003/04 to 2016/17
Definition	Trend of the rates of admissions to hospital for CHD per population (directly standardised rates) from 2003/04 to 2016/17, for all ages
Data source	HES, NHS Digital, ONS
Definition of numerator	Admissions with primary diagnosis of CHD (ICD-10 I20-I25) recorded on admission to hospital by 5-year age band and gender. These are admissions emergency and elective.
Definition of denominator	Mid-year estimate of population for respective geography (2011 Census-based).
Value type	Directly standardised rate
Methodology	The rates are directly age standardised. This improves the comparability of rates for different areas, or between different time periods, by taking into account differences in the age structures of the populations being compared. The directly age-sex standardised rate is the rate of events that would occur in a standard population if that population were to experience the age-sex specific rates of the subject population. The standard population used for the direct method is the 2013 European Standard Population. The methodology is based on that provided in APHO Technical Briefing 3: Commonly Used Public Health Statistics and their Confidence Intervals. www.apho.org.uk/resource/item.aspx?RID=48457
Unit	per 100,000
Age	All ages

Download example - options

Get the data

Download indicator data and definitions

Profile: Cardiovascular Disease
Data for CCGs (pre 4/2017) in England
Data for CCGs (pre 4/2017) in London NHS region
Indicator definitions

Domain: Stroke
Data for CCGs (pre 4/2017) in England
Data for CCGs (pre 4/2017) in London NHS region
Indicator definitions

Indicator: Stroke: QOF prevalence (all ages)
Data for CCGs (pre 4/2017) in England
Data for CCGs (pre 4/2017) in London NHS region
Indicator definition

Get the data with R

The fingertipsR package allows you to download public health data using R

Public Health Data API

The Fingertips API (Chrome only) allows public health data to be retrieved in either JSON or CSV formats

Links to further CVD data and intelligence resources

Cardiovascular disease data and analysis: guide for health professionals

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

Published 3 May 2017
Last updated 1 February 2018 — see all updates
From: **Public Health England**

Contents

— CVD primary care intelligence packs

— Summary profiles of cardiovascular data

— Estimates of CVD prevalence

— Spending on care versus patient outcomes

— Other resources

— Further information

For feedback about the profiles: profilefeedback@phe.gov.uk
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