



Public Health  
England

Protecting and improving the nation's health

# **Knowledge Management in Public Health: Views from a PHE Centre and Our Role in Knowledge Management**

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# PHE's Priorities in 2014/15

- Tackling obesity particularly amongst children
- Reducing smoking and stopping children starting
- Reducing harmful drinking and alcohol related admissions
- Ensuring every child has the best start in life
- Preventing dementia and reducing its prevalence in 65-75 year olds
- Tackling the growth in Antimicrobial resistance
- Reducing the rates of TB infection

Underpinned by:

- Health inequalities (legal duty)
- Wider determinants of health
- Mental wellbeing
- Local priorities and needs

# Role of the Centres

- Support and respond to local health priorities working with local government; the NHS; VCS and other partners
- Translate national priorities into local action and support local place based working
- Ensure that local perspectives and priorities are both understood and taken into account nationally
- Support national teams by co-designing PHE priority programmes
- Provide resources, tools and products to enable effective implementation, support and delivery of various programmes and programmes
- Ensure delivery of high quality local Health Protection, Screening and Immunisation, and other services working across the local public health system.
- Support interprofessional learning; sector led improvement and the development of the specialist and wider public health workforce

Delivery and priorities in each Centre is tailored to meet local public health needs and relationship requirements

# The Three Domains of Public Health

## Health Improvement

- Inequalities
- Education
- Housing
- Employment
- Family/community
- Lifestyles
- Surveillance and monitoring of specific diseases and risk factors
- Equity

## Health Protection

- Infectious diseases
- Chemicals and poisons
- Radiation
- Emergency response
- Environmental health hazards

## Healthcare Public Health

- Clinical effectiveness
- Efficiency
- Service planning
- Audit and evaluation
- Clinical governance
- Equity

# Types of Content: Priorities; People and Places

Our resources must cover a wide range of public health areas, including:

## **specific health conditions**

**e.g.**

- cancer
- mental health
- cardiovascular disease

## **lifestyle risk factors e.g.**

- smoking
- alcohol
- obesity

## **wider determinants of health e.g.**

- poverty
- environment
- housing
- education
- economy
- planning
- transport

# We Work With our Local KIT who:

- Enable and enhance access to national products and services - indicators, profiles, tools and reports
- Support local use of national products - active dissemination, local interpretation/application, expert support, feed-back loop, co production
- “Warm transfer of data” - helping people use our resources
- Education, training and professional/ development support e.g. facilitating local/regional intelligence networks
- Access to public health intelligence expertise across national K&I service
- Access to evidence resources ; data; library services
- Responsive ad hoc intelligence service e.g. bespoke analyses to answer local questions

# Popular Tools and Resources

- Data and Knowledge Gateway
- Health Profiles
- Local Health
- Public Health Outcomes Framework (PHOF)
- Health Intelligence Network Tools
- Subject Specific Sites e.g. CHIMAT and NOO
- Wider Interprofessional Learning Opportunities

# Data and Knowledge Gateway Website

## Resources

Resources that require a login or registration are marked with a padlock symbol (🔒). When you select a resource it will open in a new tab or window.

### Select a category

[Cancer](#)

[Child and maternal health](#)

[Comparison, practice and performance](#)

[Drugs, alcohol and tobacco](#)

[End of life care](#)

[General health profiles](#)

[Health impact assessment](#)

[Health inequalities](#)

[Injuries and violence](#)

[Learning disabilities](#)

[Long term conditions](#)

[Mental health](#)

[Obesity, diet and physical activity](#)

[Screening](#)

[Sexual health](#)

[Social care, adults and older people](#)

[European health profile tool](#)

[European regional health profiles \(I2SARE\)](#)

[Health profiles](#)

[Health protection profiles](#)

[Local health \(neighbourhood\) profiles](#)

[Small area indicators for joint strategic needs assessment](#)



# Health Profiles

- <http://fingertips.phe.org.uk/profile/health-profiles>
- Five indicator domains: Our communities, Children's and young people's health, Adults' health and lifestyle, Disease and poor health, Life expectancy and causes of death



# Health Profiles

Our communities

Children's and young people's health

Adults' health and lifestyle

Disease and poor health

Life expectancy and causes of death

All spine chart indicators

Overview

Map

Trends

Compare areas

Area profiles

Definitions

Download

Area type: District & UA

Areas grouped by: Region

Benchmark: England

Area: Birmingham

Region: West Midlands

Search for an area

Compared with benchmark: Better Similar Worse Lower Similar Higher Not compared

Indicator	Period	England	West Midlands																		
			Birmingham	Bromsgrove	Cannock Chase	Coventry	Dudley	East Staffordshire	Herefordshire	Lichfield	Malvern Hills	Newcastle-under-Lyme	North Warwickshire	Nuneaton and Bedworth	Redditch	Rugby	Sandwell	Shropshire	Solihull	South Staffordshire	
Deprivation	2010	20.4	28.8	56.2	0.0	11.6	32.2	24.5	20.2	6.0	3.7	2.1	14.7	5.1	19.2	24.8	3.6	59.4	2.7	16.0	0.0
Children in poverty (under 16s)	2011	20.6	23.2	32.2	9.7	18.9	25.9	22.8	16.3	14.4	13.3	14.1	17.7	14.3	20.1	18.9	13.7	29.9	13.6	16.7	12.3
Statutory homelessness	2012/13	2.4	3.8	9.4	2.0	0.7	4.1	1.3	0.7	3.2	2.1	1.2	0.2	1.3	3.4	2.1	1.2	4.2	1.9	4.8	0.8
GCSE achieved (5A*-C inc. Eng & Maths)	2012/13	60.8	59.9	59.9	68.9	56.2	56.6	59.7	61.8	56.1	64.0	60.1	59.9	54.8	57.3	68.0	69.2	54.2	60.4	67.1	57.7
Violent crime (violence offences)	2012/13	10.6	10.4	12.4	7.0	11.5	12.5	6.9	11.0	9.8	6.2	6.4	11.1	6.5	10.1	13.9	7.7	9.4	7.3	7.9	6.1
Long term unemployment	2012	9.0	12.2	22.6	4.0	8.0	11.0	17.6	4.5	5.2	3.7	4.4	6.2	4.5	9.0	7.7	4.2	23.0	5.7	8.6	6.5

# Local Health

[http://www.apho.org.uk/default.aspx?QN=HP\\_LOCALHEALTH2012](http://www.apho.org.uk/default.aspx?QN=HP_LOCALHEALTH2012)

Aim:

- to improve the availability and accessibility of health and health-related information in England.

It gives you access to:

- interactive maps and reports

Geography:

- Ward,
- Local authority
- Middle Super Output Area

# Public Health Outcomes Framework

# PHOF Tool

<http://www.phoutcomes.info/>

## Overarching indicators

Find out about differences in life expectancy and healthy life expectancy between communities.

**START**

Go to the data

### Improving the wider determinants of health

Browse indicators for tracking progress in wider factors that affect health and wellbeing.

### Health protection

Browse indicators for tracking progress in protecting the population's health from major incidents and other threats.

### Health improvement

Browse indicators for tracking progress in helping people to live healthy lifestyles and make healthy choices.

### Healthcare public health and preventing premature mortality

Browse indicators for tracking progress in reducing numbers of people living with preventable ill health and people dying prematurely.

## About the Public Health Outcomes Framework data tool

The Public Health Outcomes Framework *Healthy lives, healthy people: Improving outcomes and supporting transparency* sets out a vision for public health, desired outcomes and the indicators that will help us understand how well public health is being improved and protected.

The framework concentrates on two high-level outcomes to be achieved across the public health system, and groups further indicators into four 'domains' that cover the full spectrum of public health. The outcomes reflect a focus not only on how long people live, but on how well they live at all stages of life.

The data published in the tool are the baselines for the Public Health Outcomes Framework, with more recent and historical trend data where these are available. The baseline period is 2010 or equivalent, unless these data are unavailable or not deemed to be of sufficient quality.

Data are published as part of a quarterly update cycle in August, November, February and May. Exact dates will be preannounced on the Publication Hub and this website. Public Health Outcomes Framework baseline data will be revised and corrected in accordance with the Code of Practice for Official Statistics.

twitter 

@PHoutcomes

Have you seen our latest blog post, on inequalities in life expectancy?

<https://t.co/9wULRmMeb> Get the data at <http://t.co/k9QzDeIEuG>

4 days ago

RT @PHE\_uk: How #inequalities affect life expectancy is one thing the #PHOF measures. The

@PHoutcomes team explain the data <http://t.co/Dazhttp/t.co/DazOQ2e2>

5 days ago

RT @PHE\_obesity: Updated child #obesity data at Ward and MSOA level out today <https://t.co/80p5RJIBH8> #NCMP

11 days ago

Follow @PHoutcomes

## Recent updates

### May 2014

New baseline data have been published for indicators 0.2ii, 0.2v, 1.06ii, 1.08iii, 1.19i, 1.19ii, 1.19iii, 2.18, 2.19, and 4.18.

More recent data (subsequent to the baseline period) have been published for indicators 0.2i, 0.2iii, 1.06i, 1.11, 1.15i, 1.15ii, 1.19i, 1.19ii, 1.19iii, 2.04, 2.08, 2.18, 2.24i, 2.24ii, 2.24iii, 3.08, 4.01, 4.11, 4.14i, 4.14ii, 4.14iii, and 4.18.

Additional lower tier local authority data have been added for indicators 1.03 and 3.02i. Inequalities breakdowns have been added for indicators 1.06i,

# Public Health Outcomes Framework

Indicator keywords



Overarching indicators

**Wider determinants of health**

Health improvement

Health protection

Healthcare and premature mortality

Overview

Map

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Compare areas

Area profiles

Definitions

Inequalities

Download

Area type: County & UA

Areas grouped by: Region

Area: Staffordshire

Region: West Midlands

Benchmark: England

Compared with benchmark:

Better

Similar

Worse

Lower

Similar

Higher

Not compared

Indicator	Period	England	West Midlands	Birmingham	Coventry	Dudley	Herefordshire	Sandwell	Shropshire	Solihull	Staffordshire	Stoke-on-Trent	Telford and Wrekin	Walsall	Warwickshire	Wolverhampton	Worcestershire
1.01i - Children in poverty (all dependent children under 20)	2011	20.1	22.7	32.4	25.4	22.1	13.9	29.6	13.0	15.8	14.8	26.9	24.1	28.5	13.5	30.6	15.0
1.01ii - Children in poverty (under 16s)	2011	20.6	23.2	32.2	25.9	22.8	14.4	29.9	13.6	16.7	15.4	27.5	25.1	29.2	14.1	31.5	15.7
1.02i - School Readiness: The percentage of children achieving a good level of development at the end of reception	2012/13	51.7	50.0	49.6	55.4	51.1	55.0	45.6	52.4	56.0	53.6	52.0	45.1	46.3	44.9	44.2	49.4
1.02i - School Readiness: The percentage of children with free school meal status achieving a good level of development at the end of reception	2012/13	36.2	36.1	39.5	42.3	33.9	34.4	35.1	35.7	32.1	36.1	41.1	30.6	32.6	26.2	34.8	26.6
1.02ii - School Readiness: The percentage of Year 1 pupils achieving the expected level in the phonics screening check	2012/13	69.1	70.0	69.1	66.9	68.0	67.7	68.9	73.2	79.0	72.7	64.5	67.0	72.0	71.7	65.8	70.6
1.02ii - School Readiness: The percentage of Year 1 pupils with free school meal status achieving the expected level in the phonics screening check	2012/13	55.8	58.0	61.4	54.9	52.4	46.9	61.3	56.8	70.7	56.7	53.8	54.7	58.0	54.1	57.4	49.7

# Health Intelligence Networks

- Cancer Intelligence Network
- Cardiovascular Intelligence Network
- Mental Health Dementia and Neurology
- Child and Maternal Health Intelligence Network
- End of Life Care Intelligence Network

# ChiMat Tools

<http://www.chimat.org.uk/default.aspx?QN=CHMT0>

The screenshot shows the homepage of the Child and Maternal Health Intelligence Network. The header features the site title and navigation links for Login, Register, Contact the team, and About this site. A dark blue navigation bar contains links for Home, Using this site, About this site, Tools and Data (which is underlined), and Knowledge Hub. On the left, a green 'Menu' box lists various tools and data sources, including Data Atlas, Child Health Profiles, NHS Atlas of Variation in Healthcare for Children and Young People, Children and Young People's Health Benchmarking Tool, JSNA Navigator - Children and Young People, PREview, and Disease Management Information Toolkit. The main content area is titled 'Tools and Data' and contains two paragraphs of introductory text. Below this, there are two featured tool cards: 'DATA ATLAS' with a map of the UK and 'CHILD HEALTH PROFILES' with a bar chart. A 'What's New in Tools' section on the right highlights 'Child Health Profiles 2014 - PDF reports' dated 19 March 2014. A search bar and a 'Search' button are also visible in the top right.

Child and Maternal Health Intelligence Network

Login | Register | Contact the team | About this site

Home Using this site About this site Tools and Data Knowledge Hub

**Menu**

Tools and Data

Data Atlas

**new** Child Health Profiles

**updated** NHS Atlas of Variation in Healthcare for Children and Young People

**new** Children and Young People's Health Benchmarking Tool

JSNA Navigator - Children and Young People

PREview

**updated** Disease Management Information Toolkit

**Tools and Data**

We provide easy access to a wealth of data, information and intelligence through a range of online tools designed to support decision-making.

We are developing a suite of tools as well as providing access to and guidance on selecting and using a range of other available tools and datasets relating to child and maternal health. View our guide to [using ChiMat to improve commissioning](#) for an overview of how our tools and services can support you.

**DATA ATLAS**

Select interactive maps, relevant indicators and accessible statistics relating to child and maternal health. **European Atlas** available.

**CHILD HEALTH PROFILES**

View key child health indicators and compare performance locally, regionally and nationally.

**PDF reports for Local Authority**

**Search**

Search

Advanced Search (Options)

**What's New in Tools**

Child Health Profiles 2014 - PDF reports

19 March 2014

These popular profiles provide a snapshot of child health and wellbeing for each local authority in England using key health indicators.

[Early Years Profiles](#)

# Child Health Profiles

Child Health Profiles							View Metadata	Show/hide areas	Print	Help
Indicator	Area	Loc...	Loc...	Eng...	England Worst	Current Performance	England Best			
▼ Child Health Profiles 2014 >> Health protection										
MMR vaccination for one dose (2 years): 2012/13	Staffordshire	8,534	93.9	92.3	77.4		98.4			
Dtap / IPV / Hib vaccination (2 years): 2012/13	Staffordshire	8,931	98.3	96.3	81.9		99.4			
Children in care immunisations: 2013	Staffordshire	365	54.5	83.2	0.0		100.0			
Acute sexually transmitted infections (including chlamydia): ...	Staffordshire	2,942	28.4	34.4	89.1		14.1			
▼ Child Health Profiles 2014 >> Wider determinants of ill health										
Children achieving a good level of development at the end of ...	Staffordshire	5,112	53.6	51.7	27.7		69.0			
GCSE achieved (5A*-C inc. English and maths): 2012/13	Staffordshire	5,809	59.9	60.8	43.7		80.2			
GCSE achieved (5A*-C inc. English and maths) for children i...	Staffordshire	10	18.5	15.3	0.0		41.7			
16-18 year olds not in education, employment or training: 2...	Staffordshire	1,520	5.4	5.8	10.5		2.0			
First time entrants to the youth justice system: 2012	Staffordshire	267	332.4	537.0	1,42...		150.7			
Children in poverty (under 16 years): 2011	Staffordshire	22,215	15.4	20.6	43.6		6.9			
Family homelessness: 2012/13	Staffordshire	274	0.8	1.7	9.5		0.1			
Children in care: 2013	Staffordshire	955	56	60	166		20			
Children killed or seriously injured in road traffic accidents: ...	Staffordshire	17	11.3	20.7	45.6		6.3			
▼ Child Health Profiles 2014 >> Health improvement										
Low birthweight of all babies: 2012	Staffordshire	694	7.6	7.3	10.2		4.2			
Obese children (4-5 years): 2012/13	Staffordshire	812	9.7	9.3	14.8		5.7			
Obese children (10-11 years): 2012/13	Staffordshire	1,356	18.6	18.9	27.5		12.3			
Children with one or more decayed, missing or filled teeth: 2...	Staffordshire	-	21.6	27.9	53.2		12.5			
Under 18 conceptions: 2012	Staffordshire	441	28.9	27.7	52.0		14.2			
Teenage mothers: 2012/13	Staffordshire	123	1.4	1.2	3.1		0.2			
Hospital admissions due to alcohol specific conditions: 201...	Staffordshire	92	53.5	42.7	113.5		14.6			
Hospital admissions due to substance misuse (age 15-24 y...	Staffordshire	76	73.5	75.2	218.4		25.4			



# More To Do On:

- How we land products that are expressed in appropriate language and supported by an evidence base better aligned with stakeholder priorities
- Systematic review of barriers and facilitators of the use of evidence by policymakers
- Working across wide interprofessional boundaries
- Co production – identifying and responding to different needs
- NICE – “evidence”? Social return on investment and qualitative knowledge
- Cost benefit analysis
- Performance management vs. performance improvement

# Libraries and the Public's Health

- Well-placed to contribute to promoting health and well-being
- Able to reach individuals and communities, informing positive lifestyle choices of individuals and the self-management of medical conditions, and providing a better understanding of the problems and challenges facing local communities
- Provide essential information to key stakeholders necessary to promote public health: patients, carers, community leaders, healthcare workers, policymakers, and the public
- Community ethos and outreach role and the value of community space/settings both as a venue and as a positive environment
- Library-based activity can contribute to linked agendas such as worklessness, informal adult learning, literacy, language and skills development, social inclusion and the building of social capital
- Challenge - such initiatives can be patchy and lack co-ordination. Funding cuts

# Contact

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