



Local Knowledge and Intelligence Service Yorkshire and the Humber

Intelligence Update – May 2019

Welcome

Welcome to the Intelligence Update for May 2019 for the Yorkshire and the Humber Knowledge and Intelligence Network. This document provides you with updates about Public Health England (PHE) tools and resources, together with key points for Yorkshire and the Humber and news of publications and events. We welcome your feedback and suggestions about the content of this Intelligence Update, our work, or suggestions for any other support that you would like. Please email us on LKISYorkshireandHumber@phe.gov.uk.

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Local events and training

- **PHINE Network Event**

- The next event will be themed around Population Health Intelligence and will take place on 2nd July at West Offices in York. The agenda has not yet been finalised, but it is expected to include:
 - Introduction to Population Health Intelligence
 - Population health management dashboard
 - Machine learning for prediction
 - Introduction to population segmentation
 - Local examples
 - Skills and barriers to taking to taking this forward
- The PHINE network events are specifically aimed people working in public health intelligence within local authorities, but anyone with an interest in public health intelligence is very welcome to attend. Please ensure that you register for the event if you wish to attend at: <https://www.eventbrite.co.uk/e/phine-network-event-population-health-intelligence-tickets-59104553310>

- **Introduction to forecasting**

A sub group of PHINE Local Leads is currently working to develop and deliver some basic training on forecasting, aimed at public health analysts. So far, we've identified three potential external suppliers – the next stage is to select one and work with them to develop a course with some theory but a pragmatic focus on application. The course is likely to run in Q2

- **Launch of PHE National Health Intelligence Knowledge hub group**

On 24 April we launched a new [PHE National Health Intelligence](#) group. It includes:

- A series of guides to support access to key datasets
- Technical guidance on using Fingertips and the Fingertips R package
- The weekly Public Health Intelligence Calendar
- A 'Signposting guide' with links to online health data tools and resources
- Our population health intelligence training prospectus
- Information about webinars, regional networks and other events.

These can all be accessed via the wiki section under "All Pages". We recommend that you join this group to access national content and connect with a broader community of users. You can access this new resource by visiting the [PHE network home page](#). Here you will find instructions on how to set PHE as your home network and locate the new group and other PHE sites, along with hints, tips and other resources to maximise the benefits of being part of the network.

This beta version has been made available at an early stage so that we can take on board your views as we develop it further. Please email us on

LKISYorkshireandHumber@phe.gov.uk with your comments and suggestions on how the group can be improved.

- **All Our Health: e-learning sessions**

Public Health England has launched new free bite-sized [e-learning sessions](#), developed in partnership with Health Education England, to improve the knowledge, confidence and skills of all health and care professionals in preventing illness, protecting health and promoting wellbeing. The sessions cover some of the biggest issues in public health and they contain signposting to trusted sources of helpful evidence, guidance and support to help professionals embed prevention in their everyday practice.

Updates from PHE's Population Health Analysis team

Please note that the Epidemiology and Surveillance and Risk Factors Teams have combined to form the PHE Population Health Analysis Team.

- **Child obesity**

- [Update to the NCMP and Child Obesity Profile](#)

The profile has been updated with regional level data for the two inequality indicators for 2006/07 to 2017/18:

- Reception: Inequality in the prevalence of obesity (including severe obesity)
- Year 6: Inequality in the prevalence of obesity (including severe obesity)

The tool shows a Slope Index of Inequality (SII) value for each region and England from 2006/07 to 2017/18 enabling monitoring of how the inequality gap is changing over time. The Slope Index of Inequality (SII) is a measure of the social gradient in an indicator, in this case child obesity, which shows how much child obesity varies with deprivation (by deprivation decile), summarised into a single number. The higher the value of the SII, the greater the inequality within the area.

- **Public Health Outcomes Framework**

- [Update to the Public Health Outcomes Framework tool](#)

In line with the [Official Statistics release cycle](#), on 8 May, PHE published an update to the tool. Details of the indicators that are to be updated are published on the following page two weeks prior to the release: [Public Health Outcomes Framework indicator updates](#).

- **Local Health**

- [Update to Local Health postponed](#)

Unfortunately the planned update to the Local Health tool on 8 May has been delayed. This is due to a data quality issue for Hospital Episode Statistics data for an NHS Hospital Trust in 2016/17. Publication of Local Health will instead go ahead on Tuesday 4 June.

- **Health Inequalities Dashboard**
 - [Update to the Health Inequalities Dashboard on 22 May](#)
The dashboard presents data on health inequalities within England and includes summary measures of inequality for a number of key health indicators selected from the Public Health Outcomes Framework. This update will include the addition of the latest data at England level, and inclusion of inequality data at local authority level for a small number of indicators. Further local authority level data will be added over time.
- **Segment Tool**
 - [Update to the Segment Tool on 22 May.](#)
The tool presents information on the causes of death and age groups that lead to inequalities in life expectancy at a local area level. The tool allows users to view a breakdown of the life expectancy gap within England, each English region, and each local authority, and between each local authority or region and England as a whole. The tool will be updated as a new interactive web tool (using R shiny software), and will include an update to 2015-17 data, revision of the methodology used, and inclusion of breakdowns by age group.

Methodological updates

- ONS has already begun an ambitious programme of work to transform population and migration statistics using new data sharing powers approved by Parliament. This [research report](#) details how they are working in partnership across the Government Statistical Service (GSS) and the progress they are making on a programme of work to put administrative data at the core of their evidence on international migration (UK) and on population (England and Wales) by 2020.
- This [article](#) describes changes to the bulletin [Cancer survival in England: adult, stage at diagnosis and childhood](#) which is jointly published by Office for National Statistics (ONS) and Public Health England (PHE). There have been three changes to the methodology in producing cancer survival estimates. These are: adjustments to coding, enhancements to the cohort selection criteria and updated life tables.
- The recently released [Crime in England and Wales: year ending September 2018 bulletin](#) is the first release of data following a methodological change to the handling of repeat victimisation in the Crime Survey for England and Wales (CSEW). Previously “repeat” incidents had been limited to a total of five in survey estimates; this cap has been dropped and the limit replaced with the 98th percentile. The bulletin provides further details of this change and its impact on crime figures.
- PHEindicatormethods v1.1.2 is now available on [CRAN](#). This release includes new functions for calculating Life Expectancy and Slope Index of Inequality and for assigning data to Quantiles. There are also updates to how the package functions handle NA values

and some backwards-incompatibility issues that may require minor changes to existing code. For full details of the update please see this [NEWS file for this release](#).

Health Intelligence Network updates

- **Child and Maternal Health Intelligence Network (ChiMat)**

- Children's public health for 0 to 5-year-olds

Quarter 3 data for 2018/19 from the interim national reporting process for the universal health visiting service was published on 24 April for local authorities, PHE centres and England to inform the development of these services locally.

There is firm evidence of how public health in the early years can achieve good health and wellbeing for children now and in the future. This is brought together in the national [Healthy Child Programme](#), the 0-5 element of which is led by health visiting services.

- The [breastfeeding at 6 to 8 weeks after birth](#) statistics show the percentage of mothers who continue breastfeeding, providing health benefits for mothers and babies which are experienced well beyond the period of breastfeeding itself.
- The [health visitor service delivery metrics](#) cover the antenatal check, new birth visit, 6 to 8 week review, 12 month assessment and 2- 2½ year assessment (including coverage of the [Ages and Stages Questionnaire](#) - ASQ-3).
- The [child development outcomes at 2 – 2 ½ years](#) data looks at the percentage of children who were at or above the expected level in communication skills, gross motor skills, fine motor skills, problem solving skills, personal-social skills and in all five areas of development using data from the ASQ-3 questionnaire.

More information is available by subscribing to the newly updated fortnightly [Child and maternal health and wellbeing knowledge update](#).

- **National Mental Health Dementia and Neurology Intelligence Network (NMHDNIN)**

- Profile updates

Updates of Mental Health and Wellbeing JSNA and Perinatal Mental Health have been postponed until June 2019 due to the pre-election sensitivity. Updates for Common Mental Health Disorders, Crisis Care and the Severe Mental Illness Profiles have also been delayed and this includes publication of new local estimates of prevalence for common mental disorders using 2014 Adult Psychiatric Morbidity Survey. The Suicide Prevention profile has been updated under Official Statistics rules and a list of updates can be found under [Recent Updates section](#) of the profile.

For any queries please contact the team on mhdnin@phe.gov.uk. More information is available by subscribing to the fortnightly [update](#).

Knowledge and Library Services updates

- **Discovery Service**

The [LAPH Discovery Service](#) allows a single search across a range of content from multiple information resources. It is designed to save time when looking for information and to allow resources to be “discovered” which might not have been found otherwise. Local authority public health teams are able to search and access the [1300 journal titles](#) currently provided by PHE, along with the nationally procured core content journals. More information on this service and other resources can be found [here](#).

- **Evidence briefings**

Evidence briefings are a summary of the best available evidence that has been identified and selected from research using systematic and transparent search methods, in order to answer a specific question. Please note, the findings are not quality assessed or critically appraised. The evidence briefings are available [here](#).

There are three new Evidence Briefings available:

- [Cancer](#): Which population groups are more likely to delay presentation with cancer symptoms and are more frequently diagnosed with late stage cancer, and why? (March 2019)
- [Domestic violence](#): What works to prevent intimate partner and sexual violence in young people? (April 2019)
- [Sexual health](#): What methods have been effective in promoting uptake of Pre-exposure prophylaxis (PrEP) among individuals at high risk of HIV, excluding men who have sex with men (MSM), in developed cities comparable to London? (March 2019)

- **Practice examples**

[Practice examples](#) aim to share the learning from public health practitioners’ experience of developing and implementing public health programmes and projects. They embed local, regional and national descriptions of service practice or service case studies, bringing together public health practitioners’ rich sources of knowledge on evidence and intelligence.

- **Child and Maternal Health – current awareness**

Knowledge and Library Services are continuing to provide the fortnightly Child and Maternal Health and Wellbeing updates. Click [here](#) to read the latest update, or [here](#) to subscribe to future updates.

- **Recent publications**

- [‘Interventions to improve mental wellbeing and resilience in children and young people living in poverty’](#) investigates the effectiveness of family and community-based interventions to improve mental wellbeing and resilience in children and young people aged 7 to 18 years who are living in poverty
- [‘Effectiveness of community-based interventions to enable people with long-term conditions and/or frailty to participate in activities of daily living’](#) was published on 4 March. This rapid review examined research published between January 2013 and July 2018 and identified nine eligible studies, the majority of which related to exercise

interventions. Two spreadsheets accompany the report, providing information on the included studies and the quality appraisal results

Recent data releases

<u>Release</u>	<u>Date</u>	<u>Organisation</u>	<u>Comment</u>
<u>Conceptions in England and Wales: 2017</u>	15/04/19	ONS	Conception counts and conception rates for women usually resident in England and Wales, by age and local authority. Includes percentage of conceptions that lead to abortion.
<u>Quarterly conceptions to women aged under 18: October to December 2017</u>	15/04/19	ONS	The quarterly number of conceptions to women aged under 18 for England and Wales by regions and other local authority areas.
<u>Tuberculosis in England: quarter 1 2019 data update</u>	23/04/19	PHE	This report presents provisional quarterly data on tuberculosis (TB) case notifications and key TB indicators in England for the period of 1 January to 31 March 2019.
<u>Breastfeeding at 6 to 8 weeks after birth 2018 to 2019: quarterly data, experimental statistics</u>	24/04/19	PHE	Number and proportion of infants who have been fully, partially or not at all breastfed at 6 to 8 weeks after birth, by local authority. Quarter 3 of 2018 to 2019 data.
<u>Child development outcomes at 2 to 2 and a half years 2018 to 2019: quarterly data, experimental statistics</u>	24/04/19	PHE	Percentage of children who were at or above the expected level of 5 areas of development for children at 2 to 2 and a half years as measured by the Ages and Stages Questionnaire 3 (ASQ-3).
<u>Statistics on NHS Stop Smoking Services in England</u>	25/04/19	NHS Digital	Results from the monitoring of the NHS Stop Smoking Services (NHS SSS) in England.
<u>Cancer registration statistics, England: 2017</u>	26/04/19	ONS	Cancer diagnoses and age-standardised incidence rates for all types of cancer by age, sex and region.
<u>Quarterly suicide deaths in England, provisional</u>	30/04/19	ONS	Provisional number and rate of suicide deaths registered in England per quarter.

<u>Measuring socioeconomic inequalities in avoidable mortality in England and Wales: 2001 to 2017</u>	01/05/19	ONS	This bulletin presents figures for avoidable mortality in 2001 to 2017 for England and Wales using the Index of Multiple Deprivation (IMD) to measure socioeconomic inequalities.
<u>NCMP and Child Obesity Profile data update: Regional slope index of inequality up to 2017 to 2018</u>	08/05/19	PHE	Update of the National Child Measurement Programme (NCMP) Child Obesity Profile online data tool to add slope index of inequality (SII) for each of the 9 regions in England.
<u>Suicide prevention profile: May 2019 update</u>	08/05/19	PHE	The Suicide prevention profile presents a range of publicly available data on suicide, associated prevalence, risk factors, and service contact among groups at increased risk.
<u>Public health outcomes framework (PHOF): May 2019 data update</u>	08/05/19	PHE	Compendium of public health outcomes indicators presented at England and upper tier LA level.
<u>End of Life Care Profiles: May 2019 data update</u>	08/05/19	PHE	The profiles provide an overview of end of life care in England at various geographies.
<u>Cardiovascular disease profiles: May 2019 update</u>	08/05/19	PHE	Update of cardiovascular disease (CVD) data looking at heart disease, diabetes, kidney disease and stroke.
<u>Local Alcohol Profiles for England (LAPE): May 2019 update</u>	08/05/19	PHE	This update of the Local Alcohol Profiles for England (LAPE) tool will include new data for the number in treatment at specialist alcohol misuse services and proportion waiting more than 3 weeks for alcohol treatment.
<u>Statistics on Obesity, Physical Activity and Diet, England 2019</u>	08/05/19	NHS Digital	Data on obesity, physical activity and diet from a variety of sources.

Upcoming data releases

<u>Release</u>	<u>Date</u>	<u>Organisation</u>	<u>Comment</u>
<u>Summary Hospital-level Mortality Indicator (SHMI) Deaths associated with hospitalisation, England,</u>	16/05/19	NHS Digital	Indicator reporting mortality at hospital trust level across the NHS.

<u>January 2018 - December 2018</u>			
<u>Health Inequalities Dashboard: data update</u>	22/05/19	PHE	Presents data on health inequalities. Summary inequality measures for key health indicators from PHOF.
<u>Segment tool: 2019 data update</u>	22/05/19	PHE	The tool allows users to view a breakdown of the life expectancy gap within England, each English region, local authorities, and between local authorities/regions and England as a whole.
<u>NHS Outcomes Framework Indicators May 2019 Release</u>	23/05/19	NHS Digital	NHS OF indicator updates
<u>Working and workless households in the UK: January to March 2019</u>	29/05/19	ONS	The economic status of households and the people living in them.
<u>Seasonal flu vaccine uptake in GP patients in England: winter 2018 to 2019</u>	30/05/19	PHE	Uptake of influenza vaccine amongst eligible GP patient groups during the 2018 to 2019 vaccination programme in England.
<u>Seasonal flu vaccine uptake in healthcare workers in England: winter 2018 to 2019</u>	30/05/19	PHE	Uptake of seasonal influenza vaccine amongst frontline health care workers (HCWs) during the 2018 to 2019 vaccination programme in England.
<u>Seasonal flu and other respiratory viruses in the UK: winter 2018 to 2019</u>	30/05/19	PHE	Report on the surveillance of influenza and other seasonal respiratory viruses in the UK for the 2018 to 2019 influenza season.
<u>Seasonal flu vaccine uptake in children of primary school age: winter 2018 to 2019</u>	30/05/19	PHE	Uptake of influenza vaccine in children of school years reception to year 5 during the 2018 to 2019 vaccination programme in England.
<u>Local Health: 2019 annual update</u>	04/06/19	PHE	Local Health is PHE's primary display tool for small area data, providing visualisation and reporting functions for data at MSOA, Electoral Ward, Upper and Lower Tier Local Authorities, and CCG.
<u>Sexually transmitted infections (STI) and National Chlamydia</u>	04/06/19	PHE	Annual report, infographic, and data tables showing trends in STI diagnoses, chlamydia screening

Screening Programme (NCSP) data release for England: 2018			activity and sexual health service provision in England.
NHS Health Check quarterly statistics: January to March 2019 offers and uptake	13/06/19	PHE	Number of NHS health checks offered and uptake each quarter, for the year to date and over five years April 2013 to March 2019.
Fuel Poverty report: 2017	13/06/19	Dept for BEIS	Data for 2017 on the number of households living in fuel poverty in England and projections of the number of households in fuel poverty in 2018 and 2019.

Note: At the time of release of the Intelligence Update the web addresses embedded in the hyperlinks marked are provisional only for upcoming releases.

Public Health in the news

We do not accept responsibility for the availability, reliability or content of these news items and do not necessarily endorse the views expressed within them. Please note that where a source is not hyperlinked this indicates it is a chargeable site.

- **Air pollution**

Reviewing traffic-calming measures is part of proposals the government is reportedly considering to reduce air pollution. It is reported that speed bumps encourage drivers to repeatedly slow down and speed up, which increases pollution. It follows research from Imperial College London, which found that 98 per cent more nitrogen dioxide and 64 per cent more carbon dioxide is produced when driving over bumps as opposed to gentler road cushions, which have a shallower slope.

Covered by the [Independent](#), The [Telegraph](#) and [Express](#).

- **Alcohol**

In a survey of 7,905 women in 11 European countries, the UK had the highest proportion of participants who admitted to drinking when they knew they were pregnant (28.5%). The lowest proportion recorded was 4.1% of Norwegian women. The UK government recommends that pregnant women and those planning to conceive avoid all alcohol consumption.

Covered by the [Mirror](#) and [Daily Mail](#)

- **Cardiovascular disease**

A British Heart Foundation (BHF) [analysis](#) of official statistics has estimated that four million people under the age of 65 in the UK have untreated high blood pressure, with roughly 1.3 million of this group aged under 45. Professor Jamie Waterall, head of cardiovascular disease prevention at PHE, said: "If you're over 40, getting your free NHS health check is a

simple way to find out your blood pressure...Diagnosing high blood pressure earlier and managing it...will save thousands of lives."

Covered by The Times, [The Daily Telegraph Online](#), [Daily Mail](#)

- **Drugs**

- The synthetic cannabis substitute 'Spice' has left drug users in Manchester city centre in a seemingly catatonic state reports [BBC News](#) and [Independent](#). Manchester Police has increased the number of specially trained officers to try to combat the issue and help those using the drug to get support.

- All opioid medicines in the UK will carry prominent warnings on their labels saying they can cause addiction, the health secretary has announced. PHE is due to publish an evidence review on prescription medicines later this year.

Covered by [Sky News](#), [BBC News](#), [ITV News](#), [The Sun](#), [Daily Mail](#), [Mirror](#), [Guardian](#), [The Times](#)

- **Tobacco**

The [Guardian](#) reports that the UK supreme court has denied tobacco firms permission to appeal plain packaging rules. The health secretary, Jeremy Hunt, welcomed the supreme court's decision, saying: "Standardised packaging will cut smoking rates and reduce suffering, disease and avoidable deaths."

- **Vaccinations**

It is reported that PHE is reviewing the evidence on whether the HPV vaccination programme should be extended to adolescent boys. Campaigners say the vaccination programme is discriminatory. This week a retailer started selling the vaccine to men under the age of 44.

Covered by the [Daily Mail](#) and [Guardian](#)

National conferences

- **PHE Data Science Day**

[London, Tuesday 21 May 2019, 09:30 - 15:30](#)

The Public Health Data Science Day 2019 is the fourth annual event in the series, hosted by Public Health England. The day provides an opportunity to find out about the latest developments in the evolving field of data science and we are delighted this year to be able to extend invitations to our local authority colleagues. The day will focus on the cutting-edge topics of artificial intelligence, machine learning and natural language processing, and how we can make use of less traditional data types such as text and images in predictive prevention and precision public health. A full [programme](#) for the day is available on the [event website](#) alongside details of how to [register](#) your attendance for this free event. Please note capacity of this event is limited; places will be allocated on a first come, first served basis

- **PHE Health Matters Teleconference: Prevention – A Life Course Approach**

Webinar based, Thursday 23 May 2019, 1.45pm – 2.30pm

Adopting the life course approach means identifying key opportunities for minimising risk factors and enhancing protective factors through evidence-based interventions at key life stages. Professor John Newton, Director of Health Improvement at Public Health England (PHE) will chair the teleconference and will be joined by a panel of experts from the Health Improvement Directorate at PHE. There will also be a question and answer session. The teleconference will be relevant to local authorities, the NHS, public health professionals and the voluntary and private sector. It will include an interactive Q&A session that will give you an opportunity to hear the panel answering questions on the life course approach, learn from others across the country and pose your own question if you wish

Joining details: Please register for the teleconference [here](#). Local call rate: 0330 336 9125, Conference code: 5793853. Please dial in 5-10 minutes prior to the start time.

- **Civil Service Live 2019**

Various dates and locations throughout June and July 2019

Civil Service Live is the annual, cross department event for all civil servants giving the opportunity to engage with other civil servants, listen to thought-provoking sessions and meet senior civil servants sharing their experiences, knowledge and expertise. To attend please visit the [registration page](#) and select your chosen location from Manchester, Edinburgh, Cardiff, Exeter, Birmingham, Newcastle and London- full agendas for each day are available within the portal for each location. The event is free to attend for all civil servants and those who work in the public service (including teachers, members of the armed forces, emergency services and front-line staff).

- **The Healthcare Show**

London, 26-27 June 2019

This conference strives to bring the health and care community together to spread ideas and innovations that will make a difference to patients, focussing on how to implement new ideas, innovations, technologies, and care models that will impact positively on the experience and outcomes of care and improve the overall health of your local population. For a full programme of activity across the two days please see the [dedicated conference page](#). Speakers from Public Health England include Diarmaid Crean - Deputy Digital Director, Susie Singleton - Consultant Nurse Health Protection & IPC, and Jamie Waterall - National Lead for CVD Prevention and Deputy Chief Nurse. Delegate spaces are fully subsidised for healthcare and allied healthcare professionals working within the NHS, CCG, local authority, community, voluntary, primary and secondary care sectors, please register [here](#).

Useful information

- Links to key tools and sources of information:
 - The [PHE data and analysis tools site](#) is a single point of access for data and analysis tools from across PHE
 - The [Public Health Profiles](#) page covers a range of health and wellbeing themes to support Joint Strategic Needs Assessments and commissioning
 - Information about local knowledge and intelligence products and services are shared on the PHE Yorkshire and the Humber Knowledge hub site.
- **Release dates for public health statistics are included in the calendars below:**
 - [gov.uk/government/statistics/announcements](https://www.gov.uk/government/statistics/announcements)
 - content.digital.nhs.uk/pubs/calendar
 - ons.gov.uk/ons/release-calendar/index.html.

Enquiry service

The PHE Local Knowledge and Intelligence Service Yorkshire and the Humber operate an enquiry service. Please send your questions and information requests to:

LKISYorkshireandHumber@phe.gov.uk