

A guide to using national and local data to address health inequalities



Public Health
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This pack is one of a number of resources being produced by Public Health England to accompany its **Place-based Approaches to Reducing Health Inequalities (PBA)**. It aims to support local systems in navigating some of the national tools and data that can be used alongside local JSNAs and other data sources to develop plans to address health inequalities.

Over the coming weeks the intention is to publish a number of practical case study examples that set out how local systems are using the approach to explore and understand health inequalities in the context of **ICS/STP priorities**.

Using national and local data to address health inequalities: Step by step guide



Using national and local data to address health inequalities: Relevant national data and tools

Product	Purpose	Levels of Geography	Indicators	Different population Groups	Inequality Metric
PHE Health Inequalities Dashboard *	Display trends in health inequalities in England	England, regions, local authorities (inequality data at region and local authority level for some indicators)	18 key indicators including health outcomes and wider determinants of health	Specific to each indicator, but includes: Deprivation, Sexuality, Ethnicity	Slope & Relative Index of Inequality , Absolute & Relative gaps, mean difference
PHE Segment Tool	Present causes of death and age groups driving life expectancy gap	England, regions, local authorities	Breakdown of life expectancy gaps between local authorities and England, and between most and least deprived within each area, by cause of death and age group	Sex	Contribution to the life expectancy gap expressed as a percentage and number of years.
Right Care - Equality & Health Inequalities Packs	Highlights health inequalities across some healthcare areas within Clinical Commissioning Groups and provides case studies to support improvement planning.	Clinical Commissioning Groups	Rates of unplanned hospitalisations for chronic ambulatory care sensitive & urgent care sensitive conditions. Improving Access to Psychological Therapies: rates of referrals and rates of movements to recovery	Deprivation, Age, Gender and Ethnicity	Absolute Gradient of Inequality Differences (between CCGs and their benchmarks) in gender, age and ethnicity rates
PHE & NHS Right Care Atlases of Variation	Highlight unwarranted variation of activity and outcomes across health system	Clinical Commissioning Groups / hospitals / local authorities / Sustainability & Transformation Partnerships	Specific to each Atlas with Compendium and topic specific atlases e.g. Respiratory, Diagnostics. Show risk factors, activity and outcomes along the Patient pathway.	Age, Sex, Condition	Variation of activity and outcome between geographic areas. Quintiles and significance (comparison of overlapping confidence limits) maps, time-series boxplots and trend tests.
PHE LKIS Health Inequalities Packs Available through your PHE Local Knowledge and Intelligence Service	Inequalities in high burden diseases and correlation with income deprivation	Wards / local authorities / Sustainability & Transformation Partnerships	Burden of disease ranked by Disability Adjusted Life Years. Correlation with income deprivation.	Defined by indicator - disease or risk factor	Correlation coefficient (r -squared) analysis of disease burden with Income deprivation
PHE Wider Determinants of Health *	Describes wider determinants of health	England, regions, local authorities & deprivation deciles	Natural and built environment, work and the labour market, vulnerability, income, crime, education, and Marmot indicators	Specific to each indicator, but include: Age, Deprivation, Gender, Ethnicity & Disability	Summary measure of inequality not generally included, but available for a small number of indicators e.g. SII in life expectancy
PHE Public Health Outcomes Framework *	Range of public health indicators and population health outcomes	England, regions, local authorities & deprivation deciles	Life expectancy and healthy life expectancy, wider determinants, health improvement, health protection, healthcare and premature mortality	Age, Deprivation, Gender, Ethnicity, Disability and others	Summary measure of inequality not generally included, but available for a small number of indicators e.g. SII in life expectancy
PHE Local Health *	Small area level health information	Middle Super Output Areas, wards, local authorities & Clinical Commissioning Groups	Indicators of wider determinants of health and health outcomes	Indicators not broken down by inequality dimensions	No summary measures of inequality included
Institute for Health Metrics and Evaluation Global Burden of Disease Compare Tool *	To compare diseases, injuries, and risk factors to show most important contributors to health loss	196 countries, UK (and its constituent countries), English regions (former Government Office), English counties and unitary authorities	Synthetic estimates of most common diseases, injuries and risk factors, expressed as prevalences, incidences, Disability Adjusted Life Years, Years of Life Lived with Disability, and Deaths	Age, Gender, Cause, Risk, Location, Time	Comparisons may be made between age-ranges, genders, locations and over time. Socio-demographic index summarises inequality, but is scaled to global extremes.
Strategic Health Asset Planning and Evaluation (SHAPE) Place Atlas (access by registration)	Maps location of healthcare services against population health metrics, includes travel time and impact analysis	Clinical Commissioning Groups / hospitals / local authorities / Sustainability & Transformation Partnerships/ LSOAs	Population demographics e.g. IMD and population change, health outcomes, environmental data	Broad age groups, gender, deprivation, ethnicity	No summary measure of inequality included. Comparisons may be made between age-ranges, genders, locations and Index of Multiple Deprivation (IMD)

* the processed, underlying data that populates these tools can be downloaded or exported into local analytical and visualisation software, for example using API

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○ Some relevant content
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 ◐ Highly relevant content

What are the main causes of death and poor health in my population?

How does my area compare against national averages, targets or with other similar areas?

Is there evidence of inequalities within my area, geographically or for particular pop sub-groups?

What are the main factors driving inequalities within my population?

Is there evidence of inequalities within local health & care pathways?

	PHE Health Inequalities Dashboard	PHE Segment Tool	Right Care - Equality & Health Inequalities Packs	PHE & NHS Right Care Atlases of Variation	PHE LKIS Health Inequalities Packs	PHE Wider Determinants of Health	PHE Public Health Outcomes Framework	PHE Local Health	IHM and Evaluation Global Burden of Disease Compare Tool	Strategic Health Asset Planning and Evaluation (SHAPE) Place Atlas
What are the main causes of death and poor health in my population?		◐	○	●	◐	●	●	◐	●	◐
How does my area compare against national averages, targets or with other similar areas?	◐	◐	●	●	◐	●	●	◐	●	◐
Is there evidence of inequalities within my area, geographically or for particular pop sub-groups?	◐	●	●	○	●	○	○	●	○	◐
What are the main factors driving inequalities within my population?	○	◐	◐	◐	◐	●	◐	◐	◐	◐
Is there evidence of inequalities within local health & care pathways?		○	◐	●	○	○	○	○	○	◐