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

- What are the main causes of death and poor health in my population?
- How does my area compare against national averages, targets, with other similar areas and over time?
- Is there evidence of inequalities within my area, either geographically or for particular population sub-groups?
- Is there evidence of inequalities within local health & care pathways?
- What are the main factors driving inequalities within my population?
Using national and local data to address health inequalities: Relevant national data and tools

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