**Compare indicators**



This 'scatter plot' function enables you to view the relationship between two indicators at the same time and to:

1. Hover over the graph and select a local authority or PHE Centre to view values and/or highlight an organisation with a diamond to see how this relates to the position of others
2. Display a trend line and R2 value (‘correlation coefficient’) to summarise the relationship and determine if there is any association (‘correlation’) between the two indicators.

Regarding the second option:

* Use the R2 value to determine the strength of association.
* A positive or negative value between 0.3 and 0.5 could be interpreted as a 'medium' association, and between 0.5 and 1 a 'large' association.
* A positive value means that as one indicator value increases the other increases (a 'positive relationship', the line slopes upwards from left to right).
* A negative value means that as one indicator value increases the other decreases (an 'inverse relationship', the line slopes downwards from left to right).
* A medium or large association does not imply that one factor causes the other — some other factor may be influencing both issues.
* Note that it is only possible to compare indicators for the latest available values. Indicator years being compared may differ. Alternatively, a time lag in the anticipated effect of a new intervention upon an outcome should be borne in mind when comparing their indicators for the latest values.