

School Progress Index (SPI) Tutorial

Reading the Achievement Indicator Graph

This graph shows the data for one high school's Achievement Indicator. The data is represented in a bar graph and is set up like the School Progress Index graph. However, only the data for the Achievement Indicator is represented by the green bars.

The header on the left hand side that reads **Indicators Grades 9-12** shows the school's performance on the Achievement Indicator. At the bottom of the first three green bars, we can see the proportional significance assigned to Achievement in Algebra, English and Biology, which is 33.33% for each content.

The header on the right hand side that reads **SPI Grades 9-12** shows the Achievement Indicator Contribution, which is represented by the single green bar. The value below the green bar represents the proportional significance assigned to Achievement in calculating the SPI, which is 40%.

The dotted black line represents the average of the three performances using the weighting shown under the bar. The average is called the Progress Scale Value and is shown below the three bars. For this school, the Progress Scale Value for the Achievement Indicator is .9723

The Y-axis or vertical line on the left represents the new indices for SPI and is called the Progress Scale. The number "1.00" on the scale would indicate that the performance met the Annual Measurable Objective or AMO. Numbers above 1.00 surpass the AMO whereas numbers below 1.00 do not meet the AMO.

The table above shows how the Achievement Indicator calculations were made. As shown on the first line of the table, the percent of students who scored advanced or proficient on the state assessment on each content is divided by that school's 2012 Achievement AMO. That number is called the Measure Progress Scale Value. We'll use Algebra to work through this calculation. 84.03% of the students at this school performed at the advanced or proficient level on HSA. The percent of students performing at the advanced or proficient levels is then divided by that school's 2012 AMO

which is 87.10%. The result is .9648 which is called the Measure Progress Scale Value for Algebra. .9648 is then multiplied by the proportional significance assigned to each content area, which in this case is 33.3%. The result is .3216 and is called the Measure Contribution. The next step involves summing the Measure Contributions for the three content. In this case the sum is .9723. The last step is to multiply the Combined Measure Contribution by the Proportional Significance Assigned to Achievement (40%), which gives us the Achievement Contribution Value used in the calculation of the school's SPI. This school's Achievement Contribution Value is .3889.