MCAS and PARCC: SUSTAINING A RELIABLE GROWTH MEASURE

Over the past three years, testing and measurement experts in PARCC states that use Student Growth Percentiles (SGP) as a measure of student growth have been analyzing issues related to sustaining the reliability of SGPs as we transition from our legacy assessment (e.g., MCAS) to PARCC. The conclusion is that given representative samples of student data, SGPs will be reliable whether a student who has taken MCAS for the prior year or two takes MCAS or PARCC in 2015. Following is a graphic that highlights how the percentile underpinnings of the SGP support this conclusion. Understanding that perception is just as important as the mathematical evidence, ESE will convene a forum for interested parties to review and better understand these analyses.

**2015 MCAS Growth Percentiles**

![MCAS Growth Percentiles Graph]

**2015 PARCC Growth Percentiles**

![PARCC Growth Percentiles Graph]