

HUMAN HEALTH

ENVIRONMENTAL HEALTH

# PROVIDING PEACE OF MIND



STATISTICAL SERVICES™

Brochure not for distribution in the USA

  
**PerkinElmer®**  
*For the Better*



# STATISTICAL SERVICES™

– HELPING YOU ENHANCE THE QUALITY OF SCREENING

PerkinElmer's Statistical Services™ provides laboratories with many options to have screening performance data analyzed with the primary goal of enhancing quality of the screening program.

Statistical Services offers a complete solution including comprehensive statistical analysis of laboratory performance, recommendations on possible improvement opportunities, guidance with updating LifeCycle™\* and Pre-eclampsia Predictor™\* (PerkinElmer's prenatal and maternal screening applications), and exclusive access to a web portal allowing laboratories to review and filter their performance data as needed.

Quality assurance training options will also be offered in an effort to provide education on key principles of monitoring data quality utilizing tools available within LifeCycle.

## Primary Services Available to Customers

The primary offering of Statistical Services is a recurring statistical assessment of the screening program's performance. The statistical assessment includes analysis of biochemistry marker performance, ultrasound measurement performance, quality of demographic data collected, and other key screening performance indicators. Results from the analysis are provided in a comprehensive bound report as well as stored electronically on the web portal allowing laboratories to access their reports from anywhere.

After the initial statistical analysis report has been provided, successive reports will include trends from

the previous analysis providing laboratories with the ability to monitor performance over time. This option offered by Statistical Services is available for individual screening laboratories as well as multiple laboratories included in a regional or national screening program.

## Exclusive Web Site Access

By taking advantage of offerings provided by Statistical Services, laboratories will be granted exclusive access to a web site only accessible by Statistical Services customers. The Statistical Services web portal is the central repository for all electronic statistical analysis reports allowing customers to download current and historical reports as needed. The web portal also provides charting tools for individual laboratories to examine their specific performance data as well as regional screening programs to examine their region's performance data utilizing several filtering options.



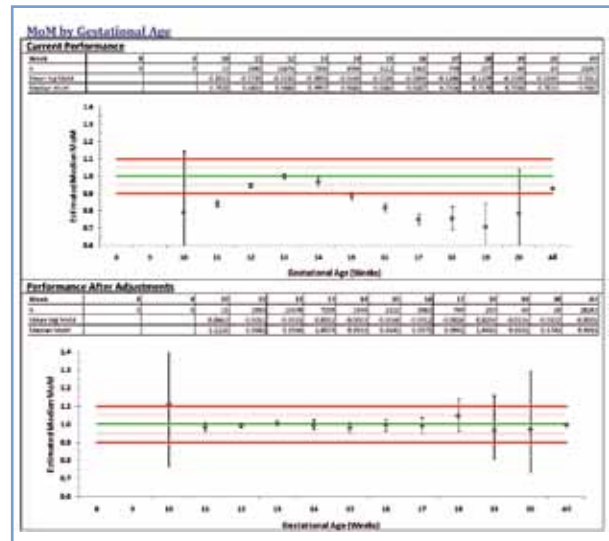
\*LifeCycle and Pre-eclampsia Predictor are not available in the USA

Depending on the data collected by the laboratory and stored in LifeCycle, the web portal provides the ability to examine data at many different levels including by specific laboratory, submitter, clinic, or ultrasonographer.

Besides anytime access to reports and charting tools, the Statistical Services web portal provides a forum for users to post messages and communicate with all customers registered for the service creating a medium for the PerkinElmer screening community.

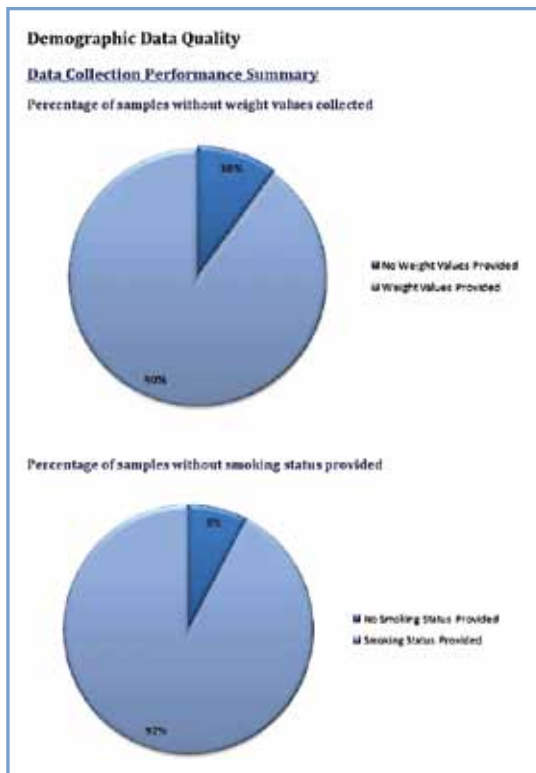
### Additional Services Available to Customers

- Comparisons of performance achieved using current distribution parameters (Means and SDs) versus potentially new distribution parameters.
- Comparisons of performance achieved using current gestational age dating equations versus potentially new gestational age dating equations.
- Comparisons of performance achieved using current biochemistry correction factors versus potentially new biochemistry correction factors.
- Targeted data analysis requested by the laboratory.



### Unbiased Oversight Provided by Industry Expert

As part of the Statistical Services offering, an impartial oversight committee including informatics and statistics professionals assemble to review the statistical models utilized as well as discuss new statistical methods which may be incorporated in future assessments.



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