LAB LIS/HIS CHECKLIST

Objectives for Implementing the Sysmex Advanced Clinical Parameters (ACPs)

The following is a checklist of items that should be considered for a successful implementation of the Sysmex Advanced Clinical Parameters (ACPs) in your HIS, LIS and related systems such as billing or EMRs.

It is the responsibility of each customer to evaluate all systems that order and/or report these parameters to ensure that the systems are set up appropriately.

1. HIS/LIS/Other Test Database Set Up
   - Define test codes in HIS/LIS database including appropriate LOINC codes
   - Define download order codes to the analyzer
   - Define upload result codes to the LIS
   - Define units and rounding to significant digits
   - Define reference ranges based on patient population (age, sex, location, patient type)
   - Define critical ranges and call logic
   - Add test codes to report group on patient report

2. HIS/LIS/Other Profile Database Set Up
   - Add individual test codes to all applicable CBC, Platelet or Retic profiles
   - Add ordering profile codes to report groups
   - Add test codes or profiles to report types

3. LIS Rules/Calculations/Comments/Billing
   - Define any rerun, hold and/or reflex rules based on ACPs and flagging
   - Define delta, critical or linearity rules
   - Define any associated calculations for the individual test codes
   - Define coded comments for individual test codes
   - Add billing definitions

Implementing the ACPs

The Sysmex Technical Integration Specialist (TIS) will assist you with ACP correlations and reference range studies during implementation of your analyzer. The Resource Binder that is part of your analyzer’s implementation kit contains additional information on the ACPs.

The LIS Manager may want to know:

Where can I find the analyzer standard test codes for the Advanced Clinical Parameters?

Upon request, Sysmex will provide the specific interface specification documents for the analyzer reporting the ACPs.

What if I have a mix of Sysmex instrumentation with some analyzers that do not report the ACPs? What happens if the lab performs a profile containing ACPs on an analyzer without the ACPs?

The LIS should define calculations or logic to auto-answer the Advanced Clinical Parameters not performed by the secondary analyzer.

Do I need to adjust all CBC ordering profiles to include the ACPs?

It is recommended that each applicable ordering profile be reviewed to determine if the Advanced Clinical Parameter test codes should be added.

What support does Sysmex provide if I have questions regarding the Sysmex analyzer interface documentation?

Contact TAC at 1-888-879-7639

If my site is using Sysmex middleware, are there additional steps?

Yes. Any additional configuration is based on the middleware interface which will be addressed in the implementation process.