Definition of Pharmacostatistical Model

- Define basic pharmacostatistical model

Covariate Addition

- Covariates evaluated against base model parameters.
- Covariate relationships deemed relevant and/or plausible added.
- Redundancy of covariates given the presence of correlated / predictive covariates examined.

Structural Model Refinement

- Modifications to the data set and/or model as appropriate

Validation

- External validation: projection of results from model building dataset onto validation data.

Error Model Refinement

- Re-examination of error model with any additional covariate reduction

Final Model

- Comparison with alternative approaches