

# **”Application of Transcriptional Signatures for Diagnosis of Febrile Infants within the Pediatric Emergency Care Applied Research Network”**

## **Overview of Public Use Datasets**

This document provides an overview of the general principles used in creating the public use datasets for the PECARN Biosignatures study. There are a total of 22 datasets available as both CSV and SAS® (.SAS7BDAT) files (with formats and labels). Accompanying documentation and resources provided include the study protocol, the annotated CRF, and, for each dataset, a PDF document summarizing variables in the associated dataset (i.e., frequency distributions or descriptive statistics). For SAS software users, an example script to set up the SAS library and apply SAS formats is also provided. The annotated CRF should be referenced frequently during analysis as this is the most complete reference of all variables included in each dataset. Please see the attached Research Data Use Agreement (RDUA) for a description of intended use and disclaimer.

### **GENERAL PRINCIPLES FOR CREATION OF DATASETS**

1. The population for the public use dataset is all febrile infants that were screened for participation in the study. See the protocol for a detailed list of inclusion/exclusion criteria and for additional details of study conduct.
2. The datasets are primarily based on raw data as collected by the clinical sites. In addition, we have included a flag to indicate previous enrollments and a computed version of absolute neutrophil counts. All variables are described in the annotated CRF.
3. Open text fields and other variables have been reviewed for sensitive or identifying information and modified as needed. Dates were recoded to be the number of days since screening for participation in the study.
4. Within each dataset, the PId is a masked identifier. The annotated CRF provides information as to the structure of each dataset and the unique identifier for each record.

### **LIST OF PUBLIC USE DATASETS AVAILABLE**

<b>Dataset</b>	<b>Form</b>	<b>Description</b>
Demographics	Demographics	
Screening	Screening and Enrollment	
ClinicalData	Clinical Data	
LabResults	Laboratory Results	
LabResults_OtherBlood	Laboratory Results	The results of other blood tests beyond those in the

		LabResults data set.
LabResults_BloodCulture	Laboratory Results	
LabResults_UrineCulture	Laboratory Results	
LabResults_CSFTest	Laboratory Results	
LabResults_CSFCulture	Laboratory Results	
LabResults_BacterialCulture	Laboratory Results	The results of other cultures besides blood, urine and CSF.
LabResults_Viral	Laboratory Results	
FollowUp	Follow-up	
FollowUp_CSFTest	Follow-up	
FollowUp_CSFViral	Follow-up	
SampleDestruction	Biosignatures / Procalcitonin Sample Destruction	
CultureReview_Blood	Culture Review	Review form for positive and unknown blood cultures
CultureReview_Urine	Culture Review	Review form for positive and unknown urine cultures
CultureReview_CSF	Culture Review	Review form for positive and unknown CSF cultures
CultureReview_Stool	Culture Review	Review form for positive and unknown stool cultures
UnknownViral	Unknown / Inconclusive Viral Studies	Review form for unknown blood cultures
PCTData		Procalcitonin results
Formats		SAS formats needed for the datasets