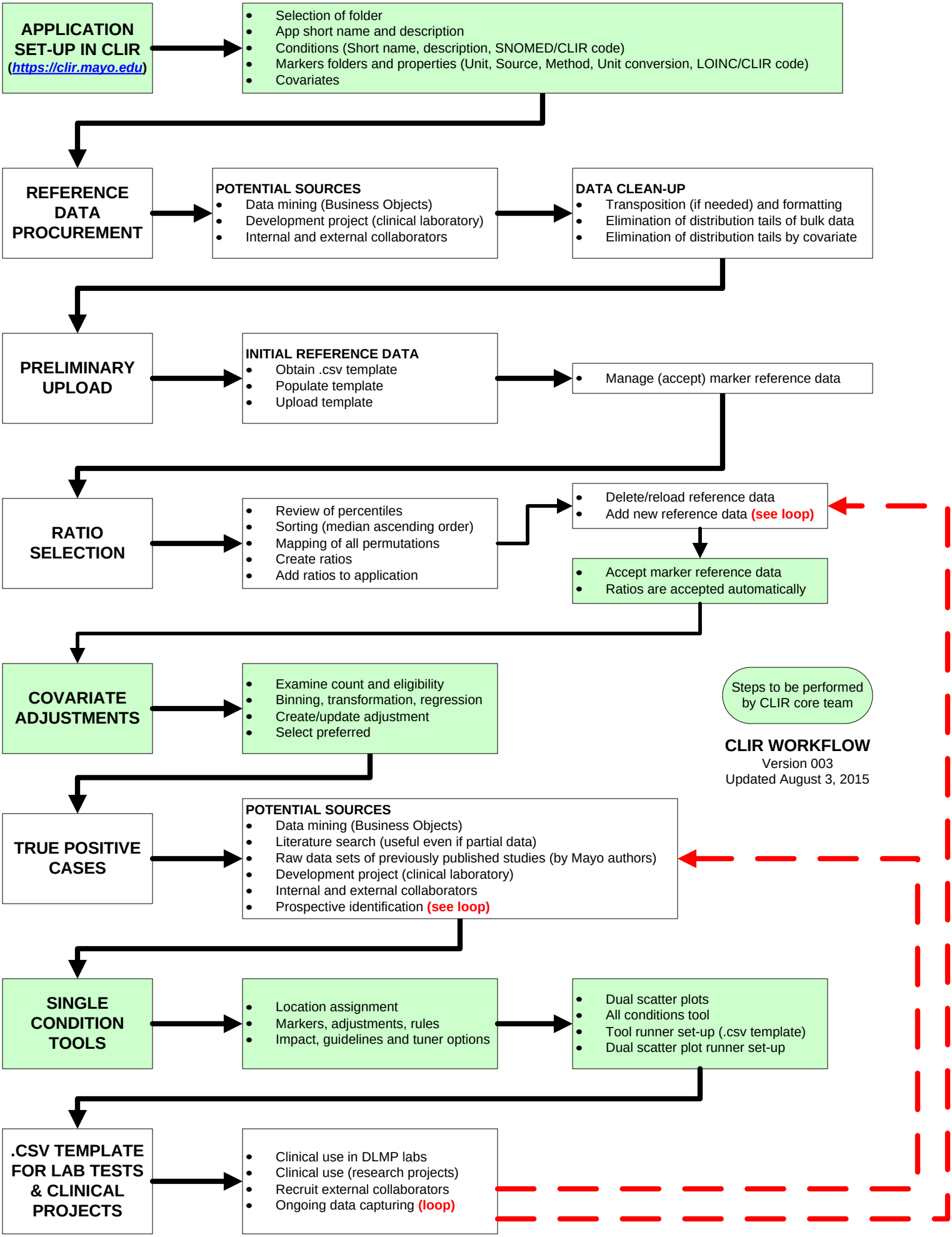
APPLICATION SET-UP IN CLIR (https://clir.mayo.edu)
Selection of folder
App short name and description
Conditions (Short name, description, SNOMED/CLIR code)
Markers folders and properties (Unit, Source, Method, Unit conversion, LOINC/CLIR code)
Covariates
REFERENCE DATA PROCUREMENT
POTENTIAL SOURCES
Data mining (Business Objects)
Development project (clinical laboratory)
Internal and external collaborators
DATA CLEAN-UP
Transposition (if needed) and formatting
Elimination of distribution tails of bulk data
Elimination of distribution tails by covariate
PRELIMINARY UPLOAD
INITIAL REFERENCE DATA
Obtain .csv template
Populate template
Upload template
Manage (accept) marker reference data
RATIO SELECTION
Review of percentiles
Sorting (median ascending order)
Mapping of all permutations
Create ratios
Add ratios to application
Delete/reload reference data
Add new reference data (see loop)
Accept marker reference data
Ratios are accepted automatically
COVARIATE ADJUSTMENTS
Examine count and eligibility
Binning, transformation, regression
Create/update adjustment
Select preferred
Steps to be performed by CLIR core team
CLIR WORKFLOW
Version 003
Updated August 3, 2015
TRUE POSITIVE CASES
POTENTIAL SOURCES
Data mining (Business Objects)
Literature search (useful even if partial data)
Raw data sets of previously published studies (by Mayo authors)
Development project (clinical laboratory)
Internal and external collaborators
Prospective identification (see loop)
SINGLE CONDITION TOOLS
Location assignment
Markers, adjustments, rules
Impact, guidelines and tuner options
Dual scatter plots
All conditions tool
Tool runner set-up (.csv template)
Dual scatter plot runner set-up
.CSV TEMPLATE FOR LAB TESTS & CLINICAL PROJECTS
Clinical use in DLMP labs
Clinical use (research projects)
Recruit external collaborators
Ongoing data capturing (loop)