



Figure S1. Directed acyclic graph representation of the joint Bayesian model for LNR and survival. Statistical and logical relationships are represented with single and double lines, respectively. Statistical/logical nodes are represented with ellipses, and constant data inputs with rectangles. In the final model, data inputs $x_{LN,i}$ consist of predictor variables grade, T stage, M stage, and tumor size; and inputs $x_{S,i}$ consist of age, gender, marital status, race, grade, histology, T stage, M stage, tumor size, and radiation therapy.
 190x142mm (300 x 300 DPI)