

Indirect Adjustment of Multiple Observed Variables for Multiple Unobserved Variables*

$$HR_l^{adj} = \frac{HR_l^{unadj}}{\prod_{r=1}^R HR_r^{\tilde{\Delta}_{(l,r)}}}$$

Literature or CCHS

$$\left(\sum_{Strata(s)} X'_s X_s \right)^{-1} \sum_{Strata(s)} X'_s U_s = \tilde{\Delta}$$

Ancillary Data

Covariates Used in Survival Model

Missing Covariates in Survival Model

*Shin et al. Environmental Research, 2014