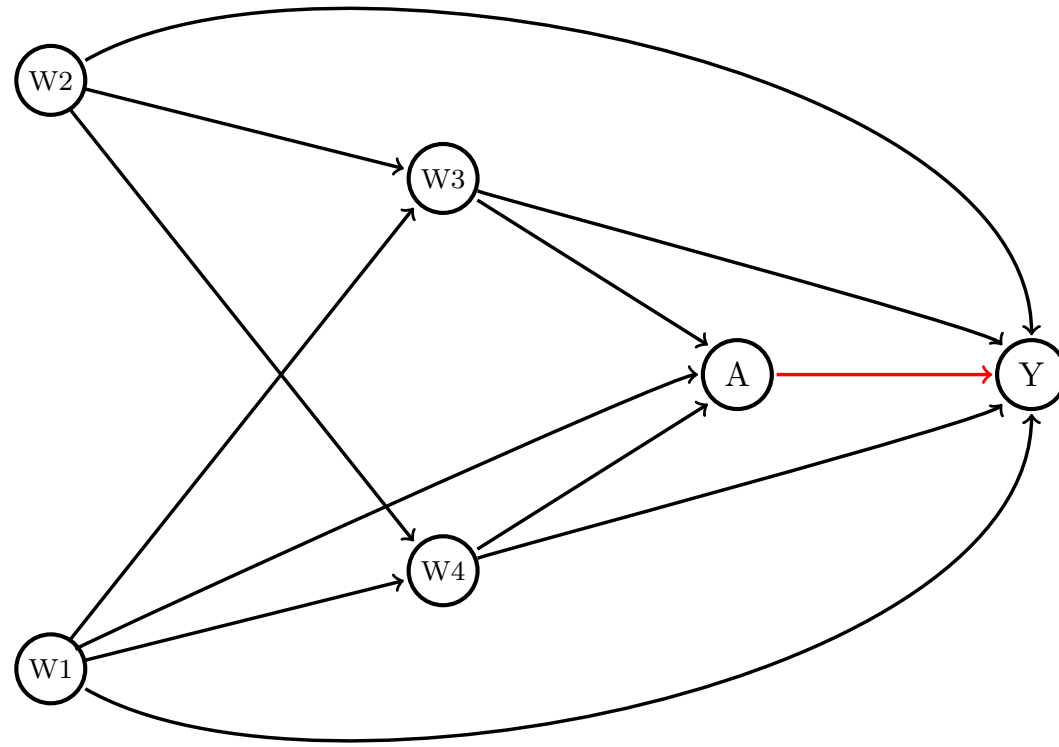


**Under conditional exchangeability:**  $Y(0), Y(1) \perp A|W$

$$ATE = E[E(Y|A = 1; W) - E(Y|A = 0; W)]$$



$Y$  = Mortality;  $A$  = Chemotherapy vs. Chemotherapy & Radiotherapy;  $W_1$  = Sex;  $W_2$  = Age;  $W_3$  = TNM-Stage;  $W_4$  = Comorbidities