- 1. D-separation still applies after intervention. $(Cancer \perp\!\!\!\perp Asthma|Smoke)_{G_{\overline{X}}} \implies P(Cancer|do(Smoke), Asthma) = P(Cancer|do(Smoke), Asthma)$
- 2. If there are no backdoor paths from X to Y then intervention \equiv observation. $(\hat{X} \perp L Cancer | X, Poverty)_{G^{\dagger}} \implies P(Cancer | do(Smoke), Poverty) = P(Cancer | Smoke, Poverty)$
- 3. If there are only backdoor paths from X to Y then intervention doesn't change P(Y). $(\hat{X} \perp Diet)_{G^{\dagger}} \implies P(Diet|do(Smoke)) = P(Diet)$

