# ITT: Randomize Eligibility 

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# $R=1:($ Randomized in) <br> $R=0$ :(Randomized out) 

For Two Outcome Model

$$
\begin{aligned}
& D=1:(\text { You want } 1) \\
& D=0:(\text { You want } 0)
\end{aligned}
$$

$$
\begin{aligned}
& E(Y \mid R=1)-E(Y \mid R=0) \\
= & \left\{E\left(Y_{1} \mid D=1, R=1\right) \quad \operatorname{Pr}(D=1 \mid R=1)\right. \\
+ & \left.E\left(Y_{0} \mid D=0, R=1\right) \quad \operatorname{Pr}(D=0 \mid R=1)\right\}
\end{aligned}
$$

People who sneak in

$$
\begin{aligned}
& -\left\{E\left(Y_{1} \mid D=1, R=0\right) \quad \operatorname{Pr}(D=1 \mid R=0)\right. \\
& +E\left(Y_{0} \mid D=0, R=0\right) \\
& +E\left(Y_{0} \mid D=1, R=0\right) \quad \operatorname{Pr}(D=0 \mid R=0) \\
& +1 \mid R=0)\} .
\end{aligned}
$$

What interesting economic question does this estimate?

