

## Models for fev

NEJM Course for Medical Reporters

September 12 & 19, 2016



# UNADJUSTED ASSOCIATION

```
##  
## Call:  
## lm(formula = fev$fev ~ smoking.status)  
##  
## Coefficients:  
##           (Intercept)  smoking.statusYes  
##           2.566           0.711
```

## A MODEL BASED ADJUSTMENT

```
##  
## Call:  
## lm(formula = fev$fev ~ smoking.status + fev$Age)  
##  
## Coefficients:  
##           (Intercept)  smoking.statusYes           fev$Age  
##              0.367             -0.209              0.231
```

## ANOTHER MODEL BASED ADJUSTMENT

```
##
```

```
## Call:
```

```
## lm(formula = fev$fev ~ smoking.status + fev$Age + fev$Se
```

```
##
```

```
## Coefficients:
```

##	(Intercept)	smoking.statusYes	fev\$Age
##	-4.4570	-0.0872	0.0655
##	fev\$Sex	fev\$Hgt	
##	0.1571	0.1042	

## ANOTHER MODEL

```
##
```

```
## Call:
```

```
## lm(formula = fev$fev ~ smoking.status + fev$Age + fev$Hgt
```

```
##
```

```
## Coefficients:
```

```
##      (Intercept)  smoking.statusYes      fev$Age
```

```
##      -4.6160      -0.1102      0.0597
```

```
##      fev$Hgt
```

```
##      0.1091
```

# STRATIFICATION

