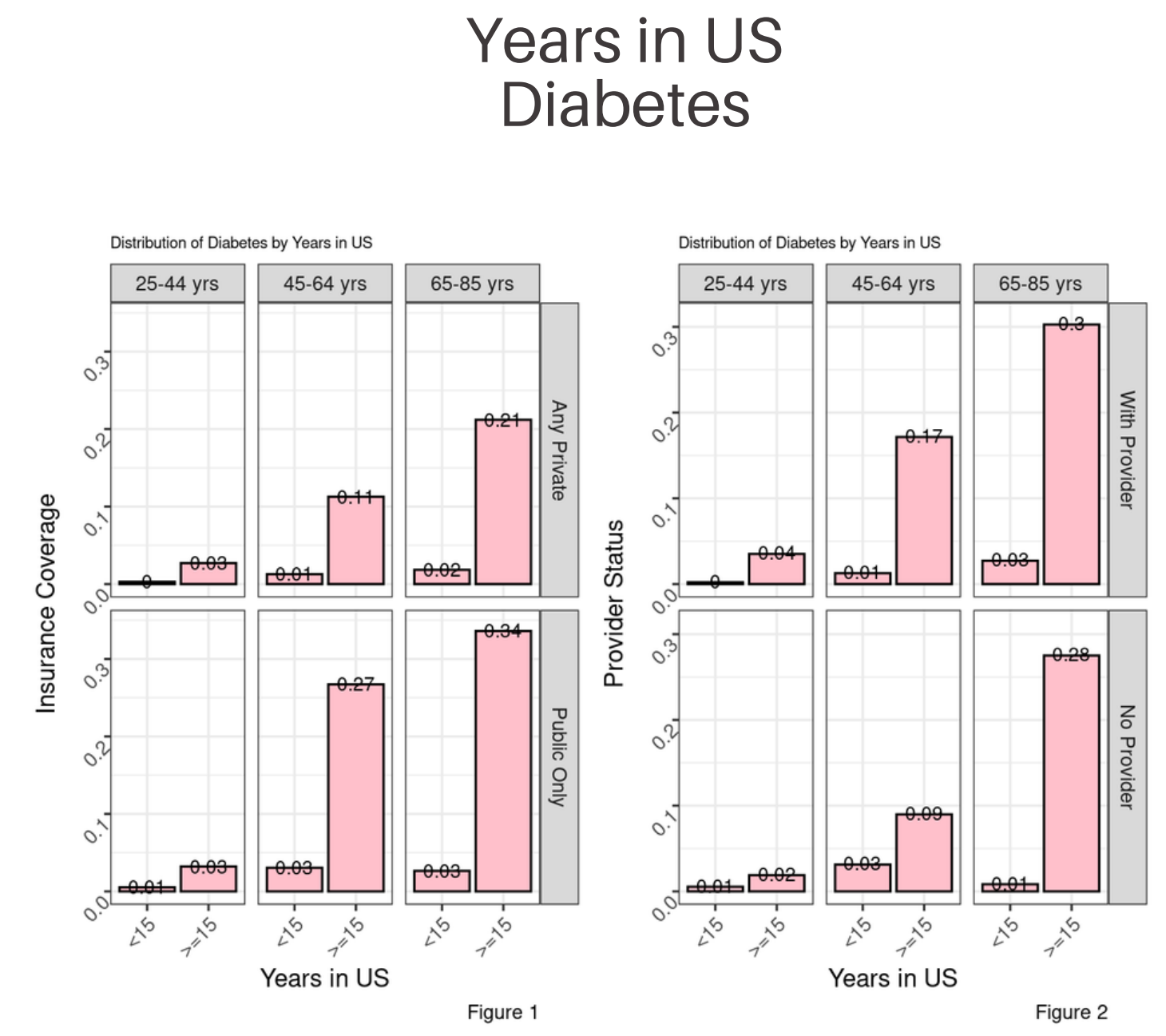
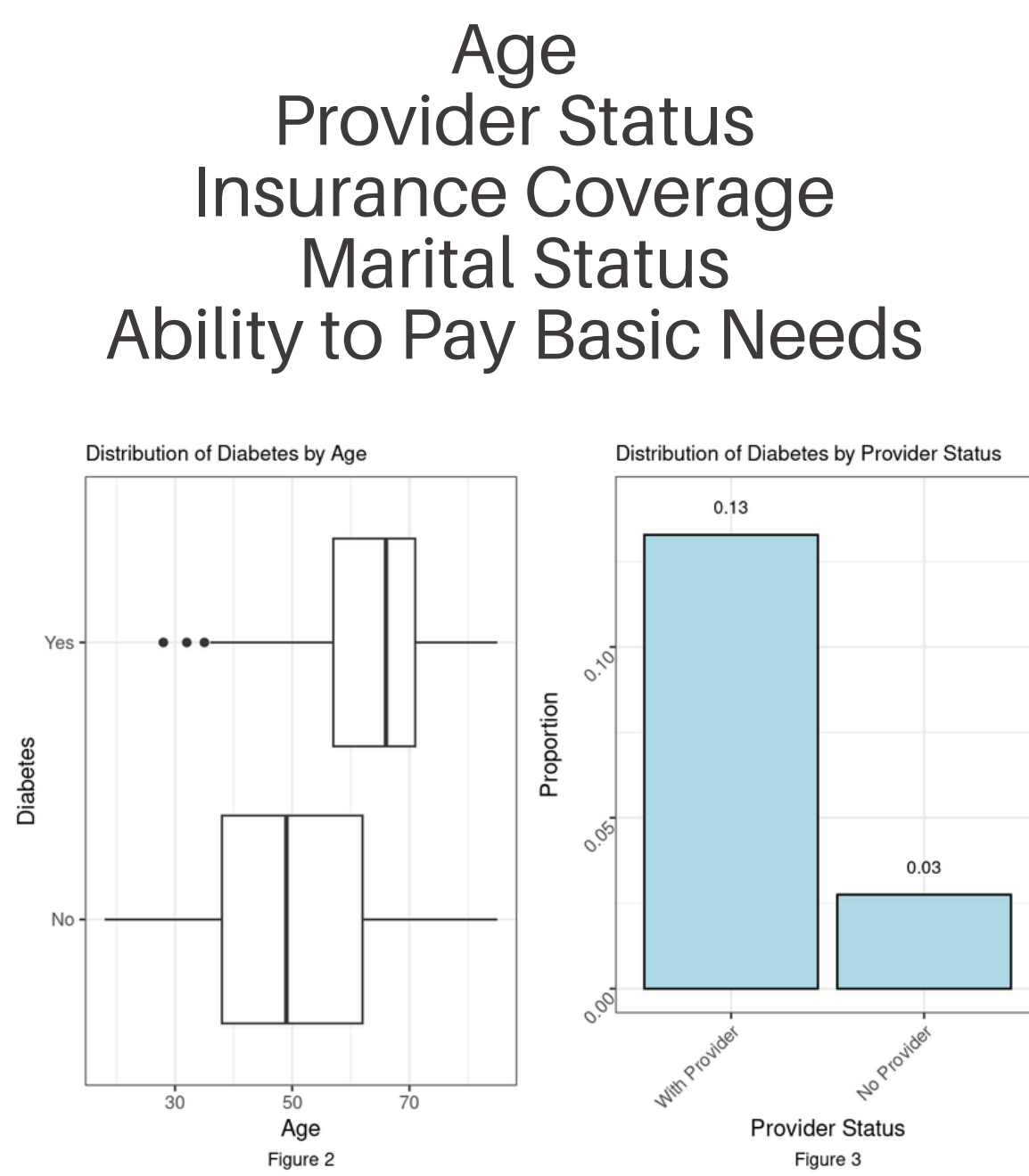
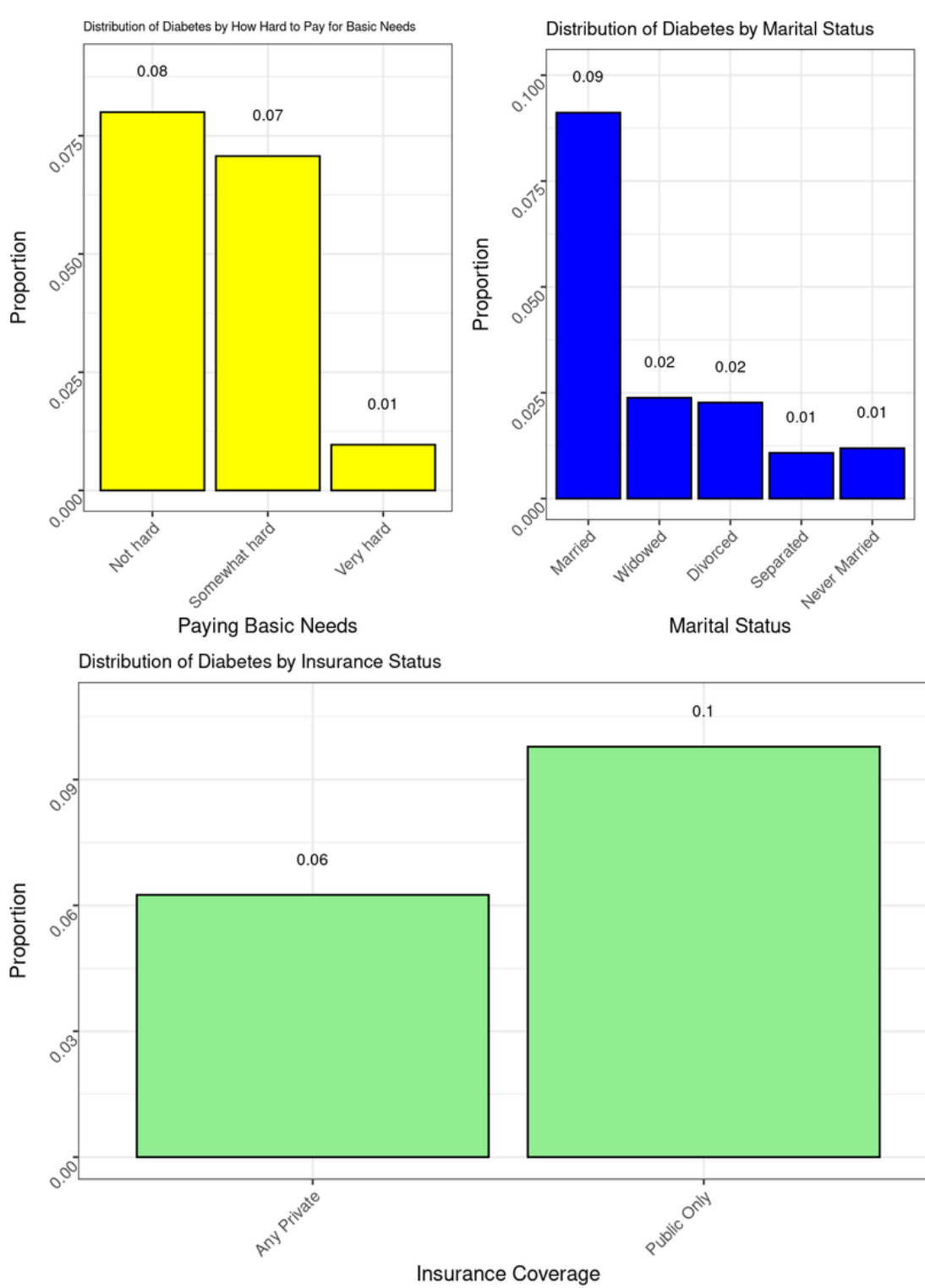
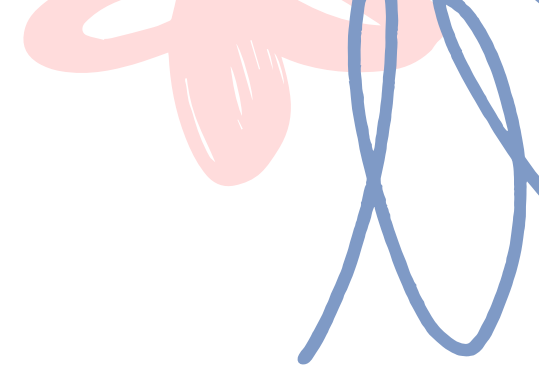


Exploring the Association between Years Staying in the US and Diabetes Using MEPs

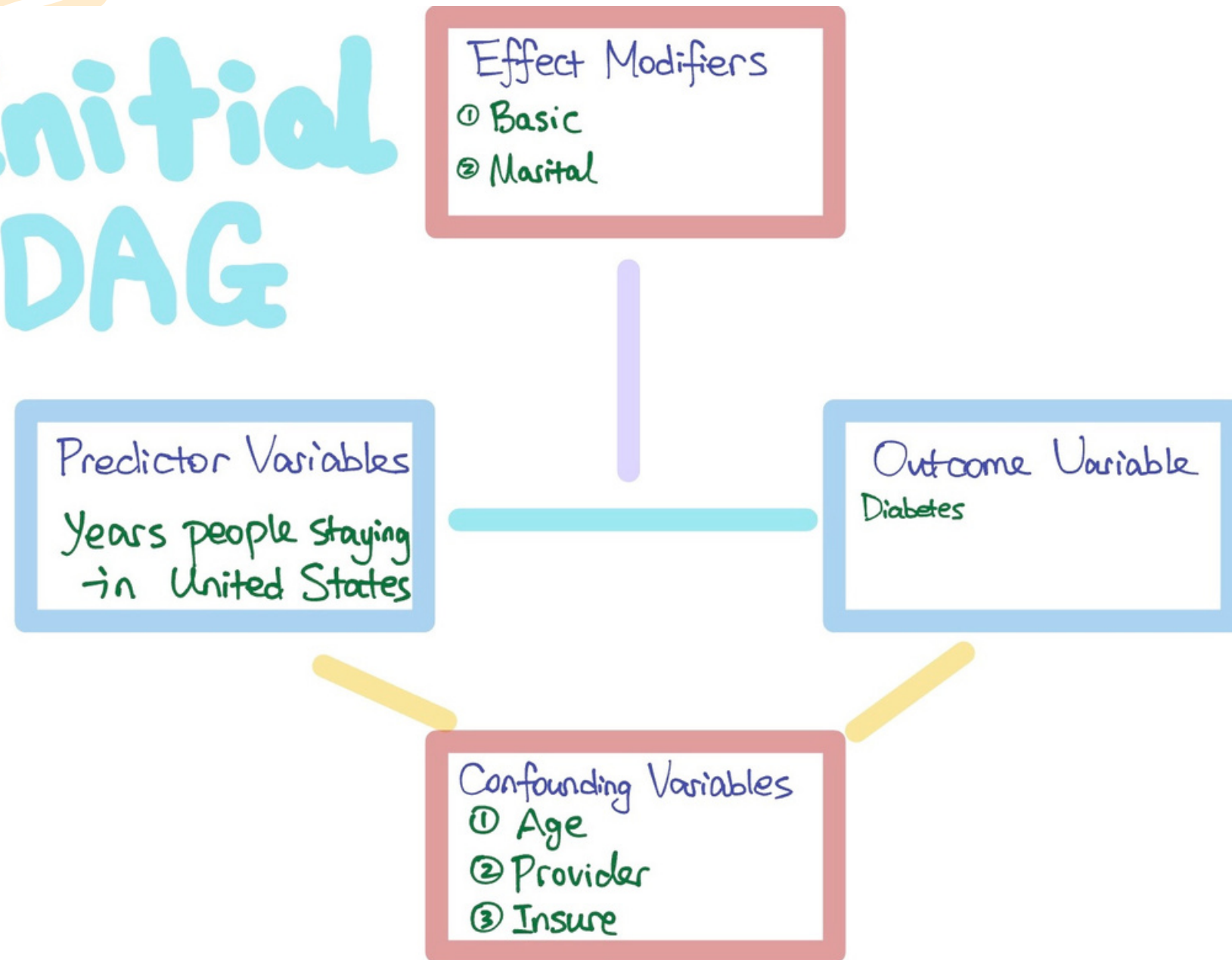
Cathy Zhang Spring 2023

Question of Interest:

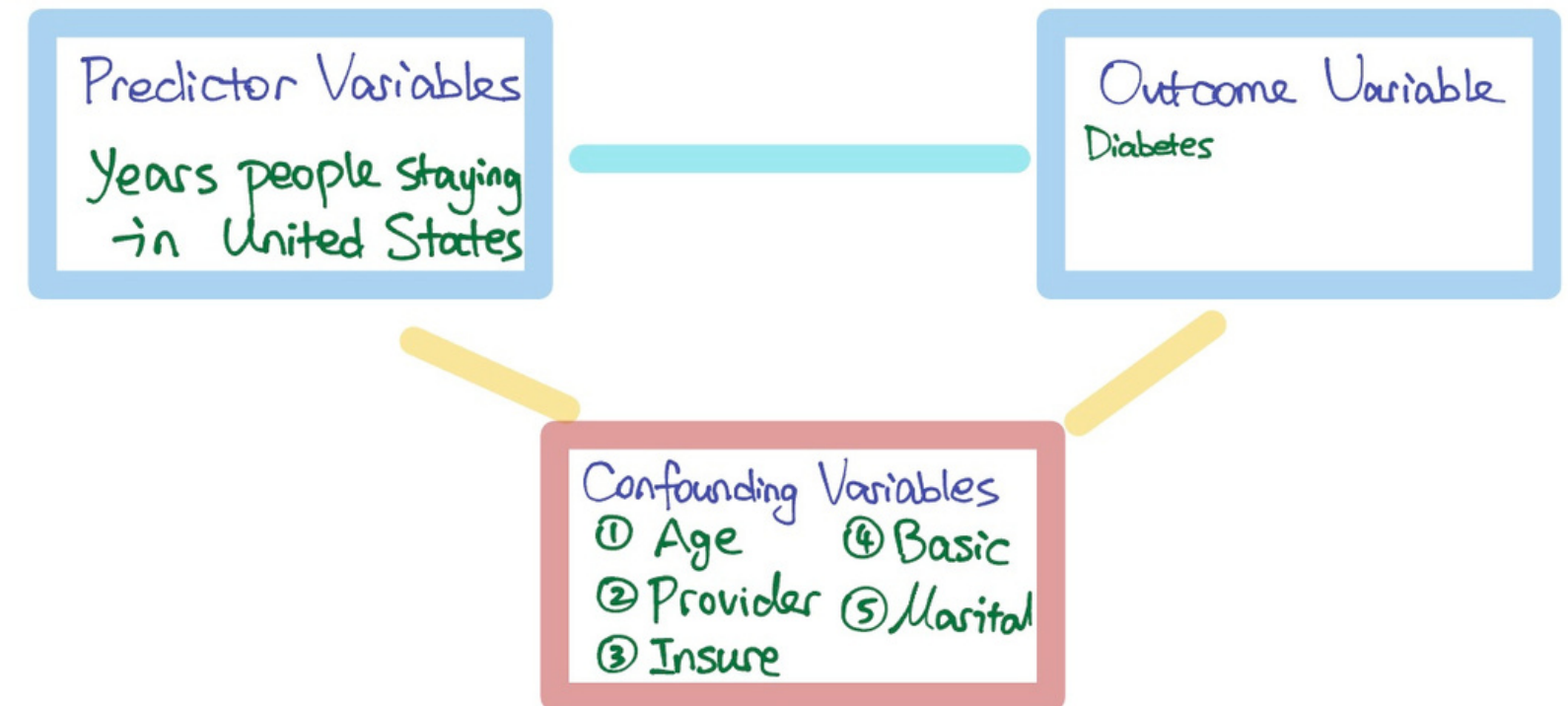
To what extent do years people stay in the US affect their chance of having diabetes?



Initial DAG



Final DAG



The Akaike information criterion (AIC)
Lower AIC values indicate a better-fit model

```
model <- glm(diabetes~yearUS + marry + basic + age + provider +
insure,family=binomial(link="logit"), data=rename_nona)
```

Draft Table

Term	Odds_Ratio	p-value	95% CI
yearUS>=15	1.73	0.00	(1.21, 2.54)
marryWidowed	0.93	0.71	(0.64, 1.34)
marryDivorced	1.20	0.28	(0.85, 1.67)
marrySeparated	2.17	0.00	(1.3, 3.54)
marryNever Married	0.68	0.06	(0.44, 1.01)
basicSomewhat hard	1.39	0.01	(1.1, 1.76)
basicVery hard	1.77	0.03	(1.05, 2.9)
age	1.05	0.00	(1.04, 1.06)
providerNo Provider	0.66	0.00	(0.49, 0.87)
insurePublic Only	1.85	0.00	(1.45, 2.37)