Appendix 1. Decision Analysis Model
Key

- USPSTF – United States Preventive Services Task Force
- \( p_{FMFpos\_TFpos} \): The probability that ultrasound/biomarker screens will be positive if the patient screens positive by USPSTF guidelines
- \( p_{ASA\_Comp} \): Probability that aspirin is administered in the event of a positive ultrasound/biomarker or USPSTF screen
- \( p_{PPPEC\_HRscreen} \): Probability of preterm preeclampsia in the event of a high risk screen by ultrasound/biomarker measures
- \( RR_{PPEC\_HR\_asa} \): Relative risk of preterm preeclampsia in patients who screen high risk and are taking aspirin
- \( p_{TPPEC\_HRscreen} \): Probability of term preeclampsia in the event of a high risk screen by ultrasound/biomarker measures
- \( RR_{TPEC\_HR\_asa} \): Relative risk of term preeclampsia in patients who screen high risk and are taking aspirin
- \( p_{ASA\_nonpresc} \): Probability of taking aspirin if low risk by screening
- \( p_{PPPEC\_LRscreen} \): Probability of preterm preeclampsia in the event of a low risk screen by ultrasound/biomarker measures
- \( p_{TPPEC\_LR\_screen} \): Probability of term preeclampsia in the event of a low risk screen by ultrasound/biomarker measures
- \( p_{GI\_asa} \): Probability of a gastrointestinal bleed in the setting taking aspirin
- \( p_{RespDis\_asa} \): Probability of aspirin-exacerbated respiratory disease
- \( c_{PPEC} \): Cost of preterm preeclampsia
- \( c_{PTB} \): Cost of preterm birth
- \( c_{TPEC} \): Cost of term preeclampsia
- \( c_{ASA} \): Cost of aspirin over the duration of a pregnancy
- \( c_{GI} \): Cost of a gastrointestinal bleed
- \( c_{RespDis\_asa} \): Cost of aspirin-exacerbated respiratory disease
- \( c_{Screen} \): Cost of a biomarker/ultrasound screen