

## Appendix A: Vignette

Ms. J is a 31-year-old, White [Black] woman who is HIV-negative. She presents to you, her primary care physician, requesting a prescription for PrEP, stating that she wants to take the medication to help prevent herself from getting HIV. She has insurance that would cover the prescription.

Ms. J is in a committed relationship, she only has one sex partner, but she does not know his HIV status and she is uncertain about her partner's fidelity. During previous appointments, you have discussed HIV risk with her and encouraged her to use condoms. However, she does not always use them, resulting in repeated episodes of unprotected sex with her partner.

HIV antibody and RNA lab tests confirm that Ms. J is HIV-negative, though she has previously been treated for STDs. She has no physical complaints. She has never had surgery or been hospitalized. Her medical history is otherwise unremarkable.

Ms. J does [not] use non-injection drugs, including recreational marijuana, alcohol, pain medications (i.e., pills) and other substances. Her score on the CAGE- AID drug and alcohol screening instrument does [not] indicate substance use problems. She has no known drug allergies. She does not currently take any medications.

**Table 4. Moderated Direct Effects of Study Conditions on Discussion Intentions (N = 160)**

<u>Predictor</u>	<u>B</u>	<u>SE</u>	<u>t</u>	<u>P value</u>	<u>LL CI</u>	<u>UL CI</u>
Constant	5.53	.21	26.97	<.001	5.04	5.99
Patient Race	.11	.33	.32	.75	-.55	.76
Substance	.09	.33	.26	.80	-.57	.75
Interaction	-.05	.46	-.10	.91	-.96	.87
Constant	6.09	.59	10.41	< .001	4.94	7.25
Patient Race	.02	.85	.02	.98	-1.66	1.70
Racism	-.18	.19	-.95	.34	-.55	.19
Interaction (race*racism)	.02	.27	.07	.95	-.52	.56
Constant	6.17	.82	7.55	< .001	4.56	7.79
Patient Race	.07	1.24	.06	.96	-2.38	2.52
Substance Use	-.19	1.19	-.16	.87	-2.54	2.16
Racism	-.22	.26	-.84	.40	-.73	.29
Interaction (race x racism)	.01	.40	.02	.99	-.78	.79
Interaction (race x substance use)	-.04	1.73	-.03	.98	-3.46	3.38
Interaction (substance use x racism)	.09	.38	.23	.82	-.66	.84
Interaction (race x substance use x racism)	.01	.56	.01	.99	-.10	1.11

Notes: Results of 3 separate multiple regression models. Interaction terms were entered stepwise (2-way interactions in step 2, 3-way interaction in step 3); Coding: White patient (0), Black patient (1); (0) No History of Substance Use (1) History of Substance Use

**Table 5. Moderated Direct Effects of Study Conditions on Prescription Intentions (N = 160)**

<u>Predictor</u>	<u>B</u>	<u>SE</u>	<u>t</u>	<u>P value</u>	<u>LL CI</u>	<u>UL CI</u>
Constant	.543	.24	22.22	<.001	4.95	5.92
Patient Race	.52	.33	1.55	.12	-.14	1.18
Substance	-.26	.34	-.76	.45	-.93	.41
Interaction	-.26	.47	-.54	.58	-1.19	.67
Constant	5.06	.60	8.43	<.001	3.88	6.35
Patient Race	1.39	.87	1.59	.11	-.34	3.11
Racism	.08	.19	.41	.68	-.30	.46
Interaction (race*racism)	-.33	.28	-1.18	.24	-.89	.22
Constant	4.63	.83	5.61	<.001	3.00	6.26
Patient Race	2.59	1.25	2.07	<.05	.12	5.06
Substance Use	.99	1.20	.83	.41	-1.38	3.37
Racism	.27	.26	1.02	.31	-.25	.78
Interaction (race x racism)	-.69	.40	-1.72	.09	-1.49	.10
Interaction (race x substance use)	-2.46	1.75	-1.41	.16	-5.92	1.00
Interaction (substance use x racism)	-.42	.28	-1.08	.28	-1.17	.34
Interaction (race x substance use x racism)	.74	.56	1.31	.19	-.38	1.85

Notes: Results of 3 separate multiple regression models. Interaction terms were entered stepwise (2-way interactions in step 2, 3-way interaction in step 3); Coding: White patient (0), Black patient (1); (0) No History of Substance Use (1) History of Substance Use

**Table 6. Moderated Mediation of The Effects of Patient Race on Discussion and Prescription Intentions among Restricted Sample of Participants Who Passed Manipulation Checks (N = 140)**

<u>Predictor</u>	<u>B</u>	<u>SE</u>	<u>t</u>	<u>P value</u>	<u>LL CI</u>	<u>UL CI</u>
<b>Mediator Model (DV = risk compensation, “a path”)<sup>1</sup></b>						
Constant	2.95	1.00	2.96	<.01	.98	4.93
Patient Race <sup>2</sup>	.79	1.10	.71	.48	-1.40	2.96
Racism	.29	.25	1.16	.25	-.20	.78
Bias*race	-.20	.36	-.56	.58	-.90	.50
Substance use (factor)	.32	.30	1.06	.29	-.28	.91
Knowledge of PrEP	-.05	.16	-.33	.74	-.37	.26
Years in practice	.01	.02	.80	.42	-.02	.05
<b>Mediator Model (DV = adherence, “a path”)</b>						
Constant	4.11	.60	6.85	<.001	2.93	5.30
Patient Race	1.17	.66	1.76	.08	-.15	2.48
Racism	.24	.15	1.62	.11	-.05	.54
Bias*race	-.38	.21	-1.79	.08	-.81	.04
Substance use (factor)	-.48	.18	-2.63	<.01	-.84	-.12
Knowledge of PrEP	.20	.10	2.08	<.05	.01	.39
Years in practice	.00	.01	.46	.65	-.02	.03
<b>Dependent Variable Model (DV: discussion, “b path”)</b>						
Constant	1.98	.84	2.35	<.05	.32	3.62
Factor: Patient Race	.19	.24	.78	.44	-.29	.66
Risk Compensation	.04	.07	.56	.58	-.10	.18
Adherence	.47	.11	4.13	<.001	.25	.70
Substance use (factor)	.30	.24	1.21	.23	-.19	.78
Knowledge of PrEP	.16	.13	1.26	.21	-.09	.41
Years in practice	.00	.01	.18	.86	-.03	.03
<b>Dependent Variable Model (DV: prescription, “b path”)</b>						
Constant	1.53	.85	1.82	.07	-.14	3.21
Factor: Patient Race	.46	.24	1.91	.06	-.02	.94
Risk Compensation	.08	.07	1.18	.24	-.06	.22
Adherence	.50	.11	4.36	<.001	.27	.72
Substance use (factor)	-.08	.25	.33	.74	-.57	.40
Knowledge of PrEP	.20	.13	1.60	.11	-.05	.46
Years in practice	.00	.01	-.00	1.00	-.03	.03

Notes: <sup>1</sup>a path: conditional effect of the IV on mediators; b path: direct effect of mediator on DV, controlling other mediators. <sup>2</sup>Patient race: Black =1, White = 0 patient.

**Table 7. Indirect Effects of Patient Race on Discussion and Prescription Intentions, Moderated by Racism among restricted sample of participants who passed the manipulation checks (N = 140)**

Mediator	Index	Boot SE	t	LLCI	ULCI
<b>DV: Discussion</b>					
Remaining direct effect (c' path)	.19	.24	.78	-.29	.66
Risk compensation	-.01	.03		-.09	.05
Adherence	-.18	.12		-.46	.02
<b>DV: Prescription</b>					
Remaining direct effect ("c' path")	.46	.24	1.91	-.02	.94
Risk compensation	-.02	.05		-.14	.04
Adherence	-.19	.12		-.47	.02

Notes: Analyses conducted controlling for proposed mediators, substance use condition, knowledge of PrEP and time in profession.