

# Hypothesis 1c

March 17, 2022

(H1c): The effect of role overload on alcohol misuse is mediated by psychological distress

## Model 2

### RAPI

Table 1: Outcome: RAPI; N = 913; QIC = -1476.49

Parameter	Estimates	SE	p-value
(Intercept)	0.83***	0.12	0.000
sex	-0.27**	0.10	0.007
race	-0.12	0.10	0.262
age	0.09†	0.05	0.072
baseline rutgers	0.28***	0.04	0.000
baseline social desirability	-0.04	0.06	0.494
baseline impulsivity	0.08	0.06	0.153
lifestress	0.10*	0.05	0.050
injunctive workplace norms	0.14***	0.04	0.001
qualitative role overload	0.05	0.04	0.201
quantitative role overload	0.09†	0.05	0.067
DASS	0.23***	0.05	0.000

## HED

Table 2: Outcome: Number of past-month heavy drinking days (HED); N = 1143; QIC = 594.94

Parameter	Estimates	SE	p-value
(Intercept)	0.40***	0.08	0.000
sex	-0.13†	0.07	0.064
race	0.28***	0.08	0.000
age	0.01	0.04	0.879
baseline HED	0.41***	0.03	0.000
baseline social desirability	-0.03	0.04	0.484
baseline impulsivity	0.05	0.04	0.178
lifestress	0.08**	0.03	0.007
injunctive workplace norms	0.04	0.03	0.233
qualitative role overload	0.07*	0.03	0.024
quantitative role overload	0.12***	0.02	0.000
DASS	0.00	0.03	0.880

## Model 6

### RAPI

Table 3: Outcome: DASS; N = 951; QIC = 1911.57

Parameter	Estimates	SE	p-value
(Intercept)	-0.10†	0.05	0.052
sex	0.24***	0.05	0.000
race	-0.07	0.05	0.186
age	-0.01	0.03	0.710
baseline rutgers	0.01	0.03	0.685
baseline social desirability	-0.06*	0.03	0.017
baseline impulsivity	0.26***	0.03	0.000
lifestress	0.20***	0.02	0.000
qualitative role overload	0.09***	0.02	0.000
quantitative role overload	0.09***	0.02	0.000

## HED

Table 4: Outcome: DASS; N = 1144; QIC = 2296.45

Parameter	Estimates	SE	p-value
(Intercept)	-0.07	0.05	0.162
sex	0.19***	0.05	0.000
race	-0.05	0.05	0.318
age	0.01	0.02	0.746
baseline HED	-0.06**	0.02	0.003
baseline social desirability	-0.08***	0.02	0.001
baseline impulsivity	0.28***	0.03	0.000
lifestress	0.19***	0.02	0.000
qualitative role overload	0.10***	0.02	0.000
quantitative role overload	0.09***	0.02	0.000

## Estimate Mediated Effect (Using Model 2 and Model 6)

### RAPI

Table 5: DASS-mediated effect of Qualitative Role Overload; Norms Covariate: Injunctive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.021	0.008	0.035

Table 6: DASS-mediated effect of Quantitative Role Overload; Norms Covariate: Injunctive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.019	0.008	0.033

## HED

Table 7: DASS-mediated effect of Qualitative Role Overload; Norms Covariate: Injunctive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0.001	-0.005	0.007

Table 8: DASS-mediated effect of Quantitative Role Overload; Norms Covariate: Injunctive Norms

	Bootstrap Mean	Bootstrap 95%-CI LB	Bootstrap 95%-CI UB
Marginal Result	0	-0.005	0.006