Supplementary Table 1

Tukey Pairwise Comparisons for Different Types of Relationships Predicting Pleasantness of Encounters and Stressful Experiences

(I) Relationship Type	(J) Relationship Type	Pleasantness		Stressful experiences	
		Mean Differences (*I-J*)	*SE*	Mean Differences *(I-J)*	*SE*
Romantic partners	Family members	0.01	0.02	0.36***	0.10
	Other social partners	0.20***	0.02	0.83***	0.10
Family members	Other social partners	0.18***	0.01	0.47***	0.09

*p < .05. **p < .01. ***p < .001.

Supplementary Table 2

Pairwise Comparisons Using t-tests for Different Types of Relationships Predicting Older Adults' Mood

Relationship types in comparison		Positive mood		Negative mood	
		B	*SE*	*B*	*SE*
Friend	Romantic partners	0.05	0.03	-0.02	0.02
	Family members	0.02	0.02	-0.03*	0.01
	Other social partners	0.08***	0.02	-0.02	0.01
Romantic partners	Family members	-0.02	0.03	-0.01	0.02
	Other social partners	0.03	0.03	0.00	0.02
Family members	Other social partners	0.06***	0.02	0.01	0.01

*p < .05. **p < .01. ***p < .001.

Supplementary Table 3

Pairwise Comparisons Using t-tests for Different Closeness of Friendships and Different Types of Social Relationships Predicting

Older Adults' Mood

Different relationships in comparison		Positive mood		Negative mood	
		B	*SE*	*B*	*SE*
Social convoy friends	Non-convoy friends	-0.07**	0.02	0.03	0.02
	Romantic partners	-0.00	0.03	0.00	0.02
	Family members	-0.03	0.02	-0.01	0.01
	Other social partners	0.03	0.02	0.00	0.01
Non-convoy friends	Romantic partners	0.06*	0.03	-0.03	0.02
	Family members	0.04	0.02	-0.04***	0.01
	Other social partners	0.10***	0.02	-0.03**	0.01
Romantic partners	Family members	-0.03	0.03	-0.01	0.02
	Other social partners	0.03	0.03	0.00	0.02
Family members	Other social partners	0.06***	0.02	0.01	0.01

*p < .05. **p < .01. ***p < .001.

Supplementary Table 4

Multilevel Linear Models Predicting Older Adults' Pleasantness throughout the Day from Encounters with Friends: Relationship

Status as a Moderator

Variable	Pleasantness	
	B	*SE*
Fixed effects		
Intercept	4.50***	0.04
Encounters with friends[a]	0.17***	0.02
Relationship status	0.12*	0.06
Encounters with friends[a] × relationship status[b]	-0.06*	0.03
Covariates		
Age[c]	0.00	0.00
Gender[c]	-0.04	0.05
Education[c]	-0.02	0.02
Health[c]	0.10**	0.03
Minority status[c]	0.08	0.06
% of friends in social convoy[c]	0.07	0.13
In-person contact[d]	0.08***	
Random effects		
Intercept VAR (Level 2: Assessment)	0.17***	0.01
Intercept VAR (Level 3: Participant)	0.15***	0.01
Residual VAR	0.32***	0.00
-2 log likelihood	34471.3	

Notes. Assessments *n* = 6,262 from 313 participants.
[a]Had social encounters with friends 1 (*yes*) and 0 (*no*). [b]Coded as 1 (*married/cohabitated*) and 0 (*not married/cohabitated*).
[c]Participant-level covariates. [d]Encounter-level covariates.
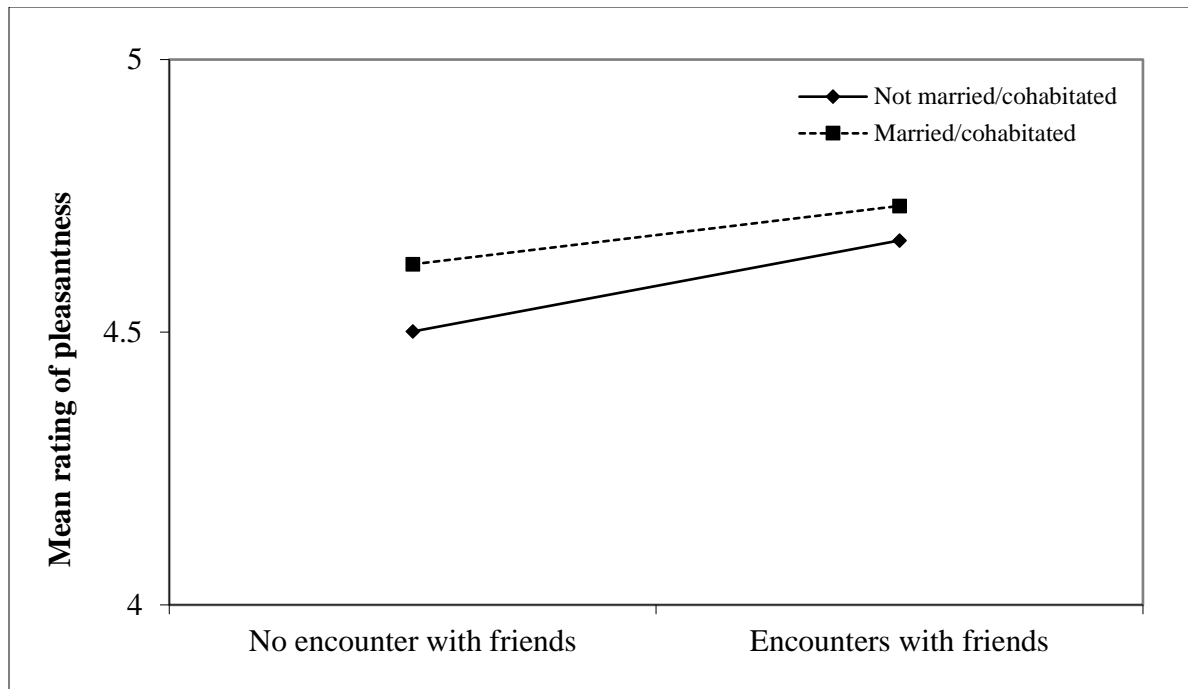*p* < .05. **p* < .01. ***p* < .001.

Supplementary Table 5

Multilevel Linear Models Predicting Older Adults' Mood throughout the Day from Encounters with Friends: Relationship Status as a Moderator

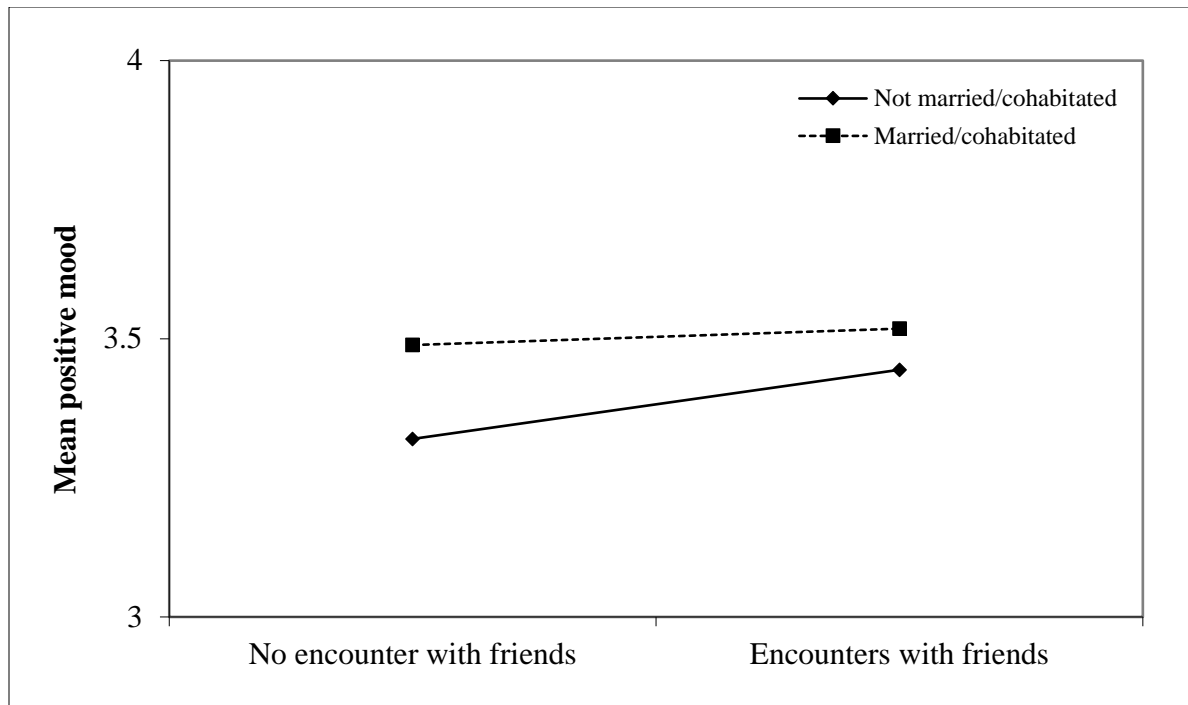| Variable	Positive mood		Negative mood	
	B	*SE*	*B*	*SE*
Fixed effects				
Intercept	3.31***	0.08	1.20***	0.03
Encounters with friends[a]	0.12***	0.02	-0.02	0.01
Relationship status[b]	0.17**	0.11	0.02	0.05
Encounters with friends[a] × relationship status[b]	-0.09***	0.03	0.02	0.02
Encounters with family members[c]	0.05***	0.01	0.02**	0.01
Encounters with other social partners[d]	-0.01	0.01	0.01	0.01
Covariates				
Age[e]	-0.01	0.01	-0.00	0.00
Gender[e]	-0.08	0.09	0.04	0.04
Education[e]	-0.03	0.03	0.00	0.01
Health[e]	0.12**	0.04	-0.09***	0.02
Minority status[e]	0.10	0.10	-0.04	0.04
% of friends in social convoy[e]	0.16	0.21	0.01	0.09
% of in-person contact[f]	0.30***	0.21	-0.14	0.09
Diverse acitivity[f]	0.02***	0.00	0.00	0.00
Random effects				
Intercept VAR (Level 2: Participant)	0.47***	0.04	0.08***	0.01
Residual VAR	0.17***	0.00	0.06***	0.00
-2 log likelihood	7555.3		1411.8	

Notes. Assessments *n* = 6,262 from 313 participants. Encounters with romantic partners were not included in the model due to high correlation with relationship status.

[a]Had social encounters with friends 1 (*yes*) and 0 (*no*). [b]Coded as 1 (*married/cohabitated*) and 0 (*not married/cohabitated*). [c]Had social encounters with family members1 (*yes*) and 0 (*no*). [d]Had social encounters with other social partners 1 (*yes*) and 0 (*no*). [e]Participant-level covariates. [f]Assessment-level covariates.

*p < .05. **p < .01. ***p < .001.

Supplementary Figure 1. Interaction effects of encounters with friends × relationship status on older adults' rating of pleasantness throughout the day.

Supplementary Figure 2. Interaction effects of encounters with friends × relationship status on older adults' positive mood throughout the day.