Table 1. Summary of results from analyses of covariance for standardized biomarker levels by life stressor type and other selected factors controlled for age and gender.

Factor	Dimension	Level	*n*	IL-1β M(SD)	IL-6 M(SD)	IL-8 M(SD)	TNFα M(SD)	CRP M(SD)	FA M(SD)	SAP M(SD)	CIMT M(SD)	WBC M(SD)	RBC M(SD)	Neutrophils M(SD)	Lymphocytes M(SD)	Monocytes M(SD)	Eosinophils M(SD)	Basophils M(SD)
Gender°	Male		84	-0.24 (1.03)	0.05 (1.18)	-0.03 (1.33)	0.24 (1.16)	-0.13 (0.96)	0.07 (0.99)	0.32 (1.00)	0.01 (0.97)	-0.34 (1.01)	1.38 (0.62)	-0.32 (0.96)	-0.19 (1.06)	-0.19 (0.97)	-0.12 (0.79)	0.04 (1.00)
	Female		324	0.06 (0.98) *	-0.01 (0.95)	0.01 (0.90)	-0.06 (0.95) *	0.04 (1.01)	-0.02 (1.00)	-0.09 (0.98) **	0.00 (1.01)	0.07 (0.99) †	-0.30 (0.80) ***	0.07 (1.00) †	0.04 (0.99)	0.04 (1.01)	0.03 (1.04)	-0.01 (1.00)
Ethnicity	Non-Hispanic		41	0.13 (0.94)	0.00 (1.08)	0.03 (0.98)	-0.12 (0.94)	-0.15 (0.78)	-0.15 (0.93)	0.00 (1.10)	0.14 (0.75)	-0.44 (0.81)	0.16 (1.33)	-0.45 (0.85)	-0.04 (0.83)	-0.52 (0.92)	-0.37 (0.54)	0.25 (1.21)
	Hispanic		367	-0.01 (1.01)	0.00 (0.99)	0.00 (1.00)	0.01 (1.01)	0.02 (1.02)	0.02 (1.01)	0.00 (0.99)	-0.02 (1.02)	0.05 (1.01) †	-0.02 (0.96)	0.05 (1.01) †	0.01 (1.02)	0.06 (1.00) *	0.04 (1.03)	-0.03 (0.98)
Childhood Adversity	ACE = 0		114	0.02 (0.97)	0.01 (0.98)	-0.11 (0.92)	-0.01 (0.89)	-0.03 (1.13)	0.05 (0.96)	-0.04 (1.02)	0.02 (0.93)	0.15 (0.91)	0.06 (0.87)	0.17 (0.89)	-0.01 (1.00)	0.25 (1.01)	0.06 (1.18)	-0.07 (1.08)
	sACE >= 4		84	-0.05 (0.86)	0.10 (1.05)	0.15 (1.19) †	0.01 (0.93)	0.14 (1.17)	0.01 (0.99)	0.02 (0.95)	0.02 (0.98)	-0.29 (0.97) †	-0.43 (1.03) **	-0.28 (0.94) †	-0.05 (1.03)	-0.41 (0.83) **	-0.18 (0.90)	-0.33 (0.86)
Life Stress (Exposure)	Total Count	Low (BT)	108	-0.05 (0.88)	0.06 (0.92)	-0.15 (0.86)	-0.02 (1.01)	-0.03 (1.15)	-0.10 (0.93)	-0.01 (0.96)	-0.10 (0.86)	0.05 (1.01)	0.25 (0.95)	0.07 (0.93)	-0.03 (1.06)	0.22 (1.24)	-0.03 (1.02)	-0.06 (0.97)
		High (TT)	104	-0.08 (0.84)	0.11 (0.94)	0.13 (1.10) *	0.07 (0.88)	-0.02 (0.89)	0.04 (0.97)	-0.15 (0.86)	0.09 (0.98)	-0.01 (0.83)	-0.34 (0.99) **	-0.02 (0.84)	0.04 (0.83)	-0.07 (0.82)	0.17 (0.96)	0.16 (0.97)
	Adult	Low (BT)	108	0.06 (1.05)	0.11 (0.98)	-0.06 (0.89)	0.17 (1.09)	0.17 (1.16)	0.06 (1.00)	-0.02 (0.95)	0.12 (1.15)	0.14 (0.89)	0.27 (0.94)	0.15 (0.87)	0.07 (0.86)	0.19 (1.18)	-0.07 (1.05)	0.00 (0.98)
		High (TT)	104	-0.01 (0.95)	0.06 (0.97)	0.14 (1.05)	0.04 (0.98)	-0.02 (0.96)	0.12 (1.16)	0.02 (1.19)	0.02 (0.97)	-0.08 (0.86)	-0.24 (1.00) **	-0.10 (0.85)	0.02 (0.89)	0.05 (0.94)	0.05 (0.97)	0.10 (0.98)
	Early Life	Low (BT)	105	-0.01 (0.89)	0.07 (0.94)	-0.10 (0.91)	0.04 (0.99)	-0.16 (0.92)	-0.01 (1.13)	0.03 (1.19)	-0.18 (0.85)	0.03 (0.96)	0.27 (0.87)	0.03 (0.92)	0.04 (1.07)	0.12 (1.09)	-0.22 (0.77)	-0.08 (0.74)
		High (TT)	106	-0.05 (0.87)	0.09 (1.02)	0.16 (1.11) †	0.10 (0.89)	0.07 (0.98)	0.06 (0.94)	-0.11 (0.85)	0.07 (1.00) *	0.04 (0.88)	-0.18 (0.97) *	0.01 (0.93)	0.09 (0.84)	0.00 (0.72)	0.11 (0.97)	0.21 (0.96)
Domains	Housing	Low (BT)	107	0.10 (1.19)	0.14 (0.94)	-0.07 (0.95)	0.20 (1.12)	0.00 (1.15)	-0.01 (1.01)	-0.11 (0.96)	-0.24 (0.76)	0.01 (1.00)	0.89 (1.20)	-0.10 (1.09)	0.27 (0.98)	-0.21 (1.39)	0.02 (1.04)	0.58 (0.77)
		High (TT)	106	-0.07 (0.89)	-0.11 (0.94) †	-0.02 (1.01)	-0.05 (0.79) †	-0.04 (0.83)	0.09 (1.13)	0.02 (1.20)	0.19 (1.18) **	-0.03 (0.86)	-0.18 (0.86) ***	-0.05 (0.88)	0.01 (0.87)	0.02 (0.88)	0.06 (1.02)	0.06 (0.84) †
	Education	Low (BT)	107	0.09 (1.16)	0.14 (1.03)	0.20 (1.14)	0.39 (1.04)	-0.19 (0.69)	-0.03 (0.96)	-0.26 (0.83)	-0.29 (0.84)	0.37 (1.17)	0.62 (1.34)	0.21 (1.30)	0.44 (1.25)	0.16 (1.71)	0.29 (1.00)	0.34 (0.71)
		High (TT)	104	0.08 (0.82)	-0.11 (0.95) †	0.00 (0.83)	0.10 (0.92) *	-0.04 (0.97)	-0.25 (0.92)	-0.17 (0.87)	0.15 (1.22) **	0.10 (0.95)	-0.05 (0.91) †	0.04 (0.98)	0.13 (0.93)	0.20 (1.03)	0.15 (0.94)	0.03 (1.11)
	Work	Low (BT)	108	0.00 (1.01)	0.12 (0.98)	-0.10 (0.99)	0.18 (1.06)	-0.05 (1.13)	-0.02 (0.91)	-0.10 (0.95)	-0.24 (0.94)	0.16 (1.00)	0.60 (1.13)	0.08 (1.09)	0.20 (1.07)	-0.09 (1.47)	0.20 (1.06)	0.63 (0.56)
		High (TT)	104	-0.20 (0.82)	-0.05 (0.99)	0.03 (1.12)	-0.06 (0.93) †	0.11 (0.86)	0.19 (1.20)	0.22 (1.21) *	0.20 (1.09) **	-0.10 (1.03)	0.04 (1.15) †	-0.10 (0.99)	0.03 (0.91)	-0.15 (0.83)	-0.01 (1.03)	0.04 (1.03)
	Treatment / Health	Low (BT)	107	0.02 (0.98)	0.13 (0.92)	0.05 (1.02)	-0.02 (0.99)	-0.08 (0.94)	-0.01 (0.94)	0.01 (0.99)	-0.06 (0.93)	-0.33 (0.90)	0.21 (1.14)	-0.22 (0.90)	-0.40 (0.80)	0.03 (0.99)	-0.23 (0.84)	-0.25 (0.70)
		High (TT)	106	-0.02 (0.94)	0.10 (0.98)	0.03 (1.10)	0.09 (0.93)	0.08 (0.92)	0.15 (1.16)	0.10 (1.12)	0.11 (1.08)	0.19 (0.88) *	-0.01 (1.03)	0.12 (0.96)	0.25 (0.78) **	-0.01 (1.04)	0.18 (0.98)	0.41 (1.15) *
	Marital / Partner	Low (BT)	107	-0.05 (0.91)	0.02 (0.97)	-0.09 (0.94)	0.10 (1.12)	-0.11 (0.97)	-0.03 (0.92)	-0.14 (0.94)	-0.09 (1.01)	-0.10 (0.89)	0.19 (0.90)	-0.09 (0.91)	-0.09 (0.89)	-0.03 (1.20)	0.04 (0.91)	0.10 (1.08)
		High (TT)	106	-0.06 (0.89)	-0.08 (0.85)	-0.09 (0.83)	0.03 (0.81)	0.00 (1.09)	0.03 (0.95)	-0.20 (0.87)	0.07 (1.17)	0.00 (0.94)	-0.36 (0.90) **	-0.01 (0.93)	0.00 (0.98)	0.06 (0.82)	0.12 (0.91)	0.04 (0.88)
	Reproductiv	Low (BT)	107	0.10 (1.17)	0.14 (1.04)	0.23 (1.14)	0.36 (1.06)	-0.20 (0.71)	-0.05 (0.88)	-0.25 (0.81)	-0.38 (0.64)	0.37 (1.17)	0.62 (1.34)	0.21 (1.30)	0.44 (1.25)	0.16 (1.71)	0.29 (1.00)	0.34 (0.71)
		High (TT)	103	0.15 (0.90)	-0.11 (0.99) †	0.02 (0.85)	0.15 (0.92)	-0.14 (0.83)	-0.28 (1.03)	-0.27 (0.84)	0.20 (1.24) ***	0.10 (0.94)	0.03 (0.90) †	0.06 (0.98)	0.10 (0.93)	0.13 (1.03)	0.14 (0.97)	0.04 (1.12)
	Financial	Low (BT)	106	-0.16 (0.85)	0.03 (0.88)	-0.16 (0.87)	-0.01 (0.90)	0.05 (1.16)	0.04 (0.98)	-0.01 (0.96)	-0.21 (0.73)	-0.14 (1.01)	0.80 (1.04)	-0.27 (1.01)	0.27 (0.99)	-0.19 (1.24)	0.01 (0.95)	0.44 (0.78)
		High (TT)	106	0.15 (1.17) *	0.23 (1.09)	0.17 (1.23) *	0.16 (1.08)	0.03 (0.93)	0.01 (0.99)	-0.04 (0.89)	0.13 (1.08) **	-0.06 (1.00)	-0.10 (0.97) ***	-0.06 (1.04)	-0.09 (0.86)	-0.01 (0.95)	0.22 (1.14)	0.11 (0.97)
	Legal	Low (BT)	106	0.09 (1.12)	0.09 (0.99)	0.12 (1.02)	0.30 (0.91)	-0.18 (0.70)	-0.05 (0.92)	-0.25 (0.87)	-0.32 (0.85)	0.16 (1.20)	0.57 (1.23)	0.06 (1.26)	0.26 (1.24)	0.12 (1.57)	0.13 (1.02)	0.34 (0.65)
		High (TT)	105	0.03 (0.90)	-0.12 (0.99)	0.03 (0.97)	0.17 (1.06)	-0.06 (0.95)	-0.10 (1.05)	-0.25 (0.78)	0.22 (1.23) ***	0.09 (0.98)	0.03 (0.93) †	0.05 (1.00)	0.10 (0.95)	0.14 (1.02)	0.13 (0.97)	-0.03 (1.12)
	Relationship s	Low (BT)	105	0.05 (1.07)	0.04 (0.97)	-0.08 (0.92)	0.07 (1.02)	0.11 (1.13)	0.07 (1.20)	0.13 (1.20)	-0.07 (0.87)	0.03 (0.97)	0.24 (0.90)	0.06 (0.97)	-0.03 (0.80)	0.12 (1.15)	-0.16 (1.00)	0.04 (0.92)
		High (TT)	105	-0.04 (0.89)	0.06 (1.02)	0.10 (0.97)	0.03 (0.84)	0.09 (1.10)	0.02 (0.88)	0.04 (0.87)	0.11 (1.00)	0.02 (0.81)	0.01 (1.11)	-0.01 (0.88)	0.09 (0.72)	-0.11 (0.80)	0.21 (1.12)	0.21 (1.04)
	Death	Low (BT)	108	0.07 (1.04)	-0.04 (0.95)	-0.04 (1.02)	0.05 (0.99)	-0.10 (1.00)	-0.04 (0.75)	-0.13 (0.89)	-0.06 (1.03)	-0.43 (0.80)	0.10 (1.17)	-0.38 (0.81)	-0.32 (0.97)	-0.19 (1.15)	-0.21 (1.02)	-0.12 (0.98)
		High (TT)	102	-0.01 (1.06)	0.12 (1.09)	0.05 (1.06)	0.06 (1.07)	0.11 (0.91)	0.15 (1.25)	0.25 (1.21) *	0.01 (0.88)	-0.10 (0.88)	0.05 (0.94)	-0.16 (0.97)	0.04 (0.86)	-0.04 (0.70)	-0.03 (0.98)	0.07 (0.98)
	Life Threatening Situations	Low (BT)	108	-0.15 (0.85)	0.08 (0.90)	-0.13 (0.93)	-0.05 (0.99)	0.05 (1.13)	0.13 (1.13)	0.14 (1.16)	-0.07 (0.85)	-0.09 (1.08)	0.39 (1.12)	-0.11 (1.04)	0.01 (0.98)	0.01 (1.05)	-0.01 (1.16)	0.05 (0.69)
		High (TT)	105	0.01 (1.12)	0.03 (1.05)	0.16 (1.19) *	0.19 (1.04) †	-0.08 (0.86)	0.01 (0.92)	-0.13 (0.88) †	-0.11 (0.91)	0.00 (0.84)	-0.06 (0.99) *	-0.04 (0.93)	0.00 (0.83)	0.06 (0.71)	0.21 (1.08)	0.27 (0.94)
	Possessions	Low (BT)	107	0.07 (1.14)	0.10 (1.01)	0.19 (1.13)	0.33 (1.04)	-0.18 (0.71)	0.04 (0.93)	-0.28 (0.88)	-0.30 (0.86)	-0.15 (0.95)	0.43 (1.29)	-0.19 (1.17)	-0.07 (0.97)	-0.13 (1.56)	-0.10 (0.90)	0.34 (0.71)
		High (TT)	103	0.04 (0.89)	-0.12 (0.94)	-0.04 (0.85) †	0.08 (0.89) †	0.02 (1.16)	-0.17 (0.98)	-0.03 (0.92) †	0.20 (1.20) ***	0.12 (0.98)	-0.02 (0.89)	0.07 (1.01)	0.13 (0.97)	0.17 (1.04)	0.17 (0.98)	0.01 (1.11)
Core-Characteristics	Interpersona	Low (BT)	108	-0.01 (0.94)	-0.05 (0.95)	-0.10 (0.83)	0.07 (1.04)	-0.06 (1.07)	-0.06 (0.84)	-0.13 (0.99)	-0.04 (1.03)	0.11 (0.93)	0.38 (0.85)	0.09 (0.91)	0.11 (1.01)	0.10 (1.22)	0.08 (1.05)	-0.06 (1.00)
		High (TT)	101	-0.05 (0.93)	0.04 (1.04)	0.09 (1.05)	0.07 (1.02)	0.01 (0.90)	0.06 (1.01)	-0.10 (0.93)	-0.02 (0.85)	0.14 (0.87)	0.03 (1.12) †	0.08 (0.99)	0.11 (0.88)	0.14 (0.87)	0.16 (1.07)	0.23 (0.97)
	Danger	Low (BT)	108	-0.04 (1.06)	-0.01 (0.97)	-0.12 (0.91)	0.09 (1.03)	-0.09 (0.88)	-0.01 (0.97)	0.04 (0.95)	-0.09 (0.96)	-0.07 (1.06)	0.38 (1.09)	-0.11 (1.07)	0.01 (0.94)	0.22 (1.00)	-0.14 (1.00)	-0.32 (0.88)
		High (TT)	104	-0.06 (0.76)	0.01 (0.95)	0.10 (1.11)	0.05 (0.85)	0.05 (0.95)	0.14 (1.22)	0.03 (1.25)	0.12 (1.14)	0.10 (0.82)	-0.18 (0.87) **	0.06 (0.81)	0.12 (0.87)	0.11 (0.96)	0.24 (1.05)	0.44 (1.12) **
	Humiliation	Low (BT)	105	-0.07 (0.97)	0.01 (0.99)	-0.05 (1.02)	0.10 (1.12)	0.09 (1.00)	0.04 (0.98)	0.12 (0.94)	-0.11 (0.81)	0.11 (0.98)	0.29 (0.88)	0.11 (1.00)	0.00 (0.89)	0.29 (1.12)	0.05 (1.18)	0.10 (0.96)
		High (TT)	106	-0.11 (0.84)	0.01 (1.04)	0.06 (1.11)	-0.05 (0.84)	0.00 (1.01)	0.04 (0.95)	-0.03 (0.95)	0.07 (1.02)	-0.19 (0.89)	-0.01 (1.05) †	-0.25 (0.91)	0.09 (0.85)	-0.22 (0.85) *	0.01 (0.94)	0.15 (1.10)
	Entrapment	Low (BT)	106	-0.01 (1.00)	-0.04 (0.91)	-0.02 (0.87)	0.04 (0.97)	-0.02 (1.14)	-0.06 (0.93)	-0.13 (0.77)	-0.20 (0.96)	0.20 (1.03)	0.21 (0.89)	0.17 (1.04)	0.17 (1.01)	0.13 (1.33)	-0.06 (0.86)	0.01 (1.11)
		High (TT)	106	0.02 (1.10)	0.13 (1.09)	0.16 (1.20)	0.08 (1.09)	0.02 (0.85)	0.04 (0.97)	0.01 (0.96)	0.11 (0.96) *	0.04 (0.90)	0.06 (1.03)	0.02 (0.92)	0.10 (0.79)	0.01 (0.82)	0.02 (0.96)	0.18 (1.01)
	Role Change/Disruption	Low (BT)	105	-0.01 (1.01)	0.14 (0.96)	-0.08 (0.94)	0.01 (1.08)	0.01 (1.18)	-0.08 (0.91)	-0.02 (1.07)	-0.06 (0.84)	0.07 (0.98)	0.47 (1.03)	0.12 (0.91)	-0.05 (0.91)	0.25 (1.03)	-0.23 (0.99)	-0.21 (0.69)
		High (TT)	105	0.04 (1.09)	0.02 (1.03)	0.15 (1.07)	0.18 (1.00)	-0.03 (0.86)	0.17 (1.14) †	-0.01 (1.16)	0.16 (1.23)	0.04 (1.00)	-0.22 (0.92) ***	0.00 (1.02)	0.11 (0.82)	0.03 (0.84)	0.21 (1.11)	-0.03 (0.84)

TT = Top tertile, BT = Bottom tertile; † p < 0.10; * p < 0.05; ** p < 0.01; *** p < 0.001; ° unadjusted

Vertical lines group similar variables: interleukin (IL)-1β, IL-6, IL-8, tumor necrosis factor (TNF)α, C-reactive protein (CRP), are all markers of inflammation, fetuin A (FA), serum amyloid P (SAP), and carotid intima media thickness (CIMT) are cardiovascular risk factors, and white blood cells (WBC), red blood cells (RBC), Neutrophils, Lymphocytes, Monocytes, Eosinophils, and Basophils are blood cell counts that were analyzed together.

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