Table S2. Multiple regression results of weight stigma and outcome measures unadjusted for income or global perceived stress.

	Predictor	ß	b	SE	95% CI
Composite Weight Stigma Frequency + Consciousness					
Cortisol					
Morning Serum	Composite	0.37*	0.33*	0.13	0.06 , 0.60
(n = 44)	Abdominal Fat	-0.31*	0.00*	0.00	$-4E^{-4}$, $-7E^{-6}$
Daily Total (AUC)	Composite	0.42*	0.37*	0.15	0.07 , 0.66
(n = 37)	Abdominal Fat	-0.18	0.00	0.00	0.00 , 0.00
Awakening Response	Composite	0.38*	6.66*	2.79	1.03 , 12.30
(n = 41)	Abdominal Fat	-0.15	-0.002	0.002	-0.01 , 0.002
Diurnal Slope	Composite	0.07	0.90	2.10	-3.35 , 5.15
(n = 40)	Abdominal Fat	-0.20	-0.002	0.001	-0.004 , 0.001
F2-Isoprostanes	Composite	0.36*	0.29*	0.11	0.06 , 0.51
(n = 44)	Abdominal Fat	0.21	0.00	0.00	0.00, 0.00
	Age	-0.20	-0.01	0.01	-0.02 , 0.004
Weight Stigma Frequency					
Cortisol					
Morning Serum	Frequency	0.36*	0.004*	0.002	0.001 , 0.01
(n = 44)	Abdominal Fat	-0.38*	$-2E^{-4}$*	$1E^{-4}$	$-4E^{-4}$, $-3E^{-5}$
Daily Total (AUC)	Frequency	0.34	0.004	0.002	0.00 , 0.01
(n = 37)	Abdominal Fat	-0.20	0.00	0.00	0.00 , 0.00
Awakening Response	Frequency	0.28	0.06	0.04	-0.02 , 0.14
(n = 41)	Abdominal Fat	-0.17	-0.002	0.002	-0.01 , 0.002
Diurnal Slope	Frequency	0.15	0.03	0.03	-0.04 , 0.08
(n = 40)	Abdominal Fat	-0.24	-0.002	0.001	-0.01 , 0.001
F2-Isoprostanes	Frequency	0.29	0.003	0.002	0.00 , 0.01
(n = 44)	Abdominal Fat	0.24	0.00	0.00	0.00 , 0.00
	Age	-0.10	-0.004	0.01	-0.02, 0.01
Weight Stigma Consciousness					
Cortisol					
Morning Serum	Consciousness	0.28	0.02	0.01	-0.001 , 0.03
(n = 45)	Abdominal Fat	-0.23	0.00	0.00	0.00 , 0.00
Daily Total (AUC)	Consciousness	0.38*	0.02*	0.01	0.003 , 0.04
(n = 38)	Abdominal Fat	-0.09	0.00	0.00	0.00 , 0.00
Awakening Response	Consciousness	0.36*	0.38*	0.16	0.06 , 0.70
(n = 42)	Abdominal Fat	-0.06	-0.001	0.002	-0.004 , 0.003
Diurnal Slope	Consciousness	0.01	0.01	0.12	-0.24 , 0.25
(n = 41)	Abdominal Fat	-0.18	-0.001	0.001	-0.004 , 0.001
F2-Isoprostanes	Consciousness	0.35*	0.02*	0.01	0.004 , 0.03
(n = 38)	Abdominal Fat	0.27	0.00	0.00	0.00 , 0.00
	Age	-0.25	-0.01	0.01	-0.03 , 0.001

Note: Cortisol units are ln(mg/dL) for serum and ln(nmol/L) for saliva; F2-Isoprostane units are

ln(ng/mL); CI = Confidence Interval; *$p < 0.05$ (2-tailed); ß values represent standardized units, whereas b values represent raw values. We provide >3 decimal places only when $p < .05$.

Table S3. Multiple regression results of weight stigma and outcome measures controlling for total body fat percentage and other confounds.

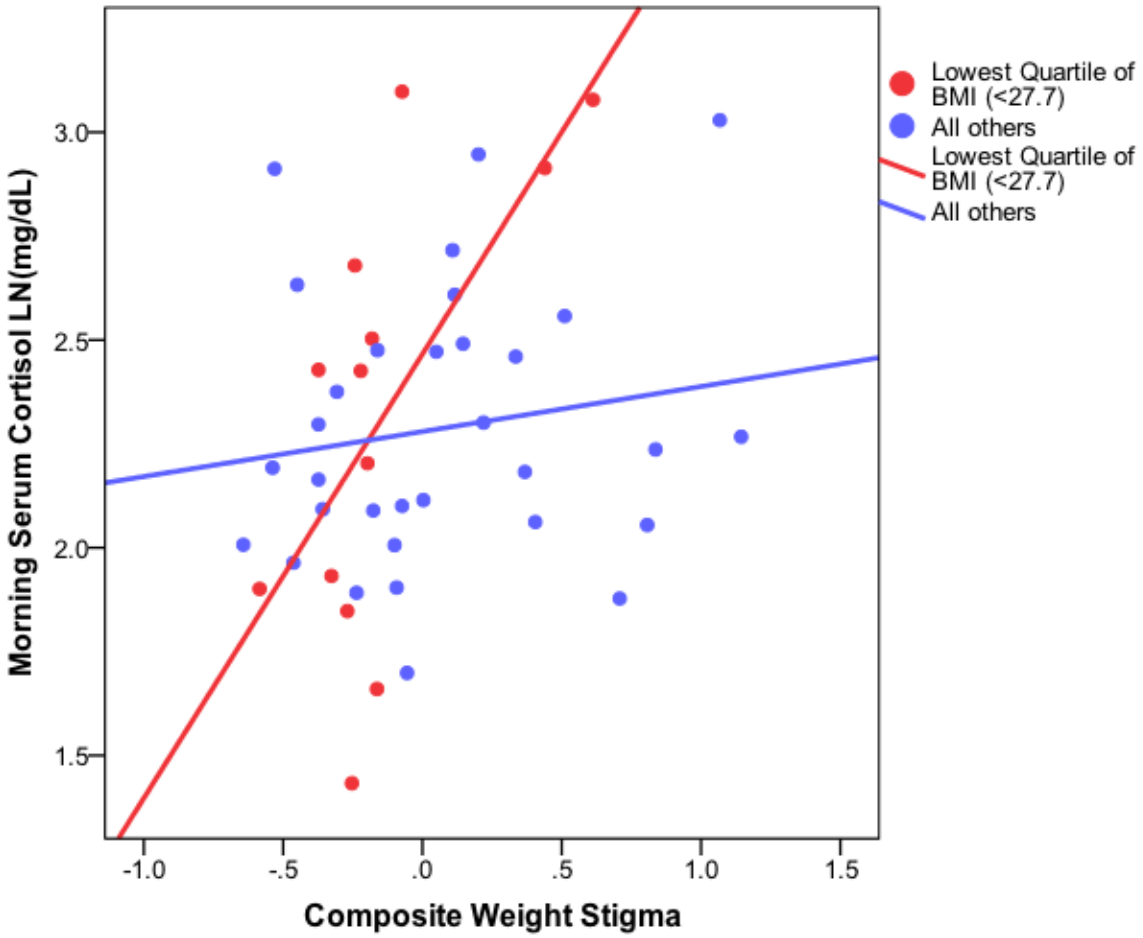
	Predictor	ß	b	SE	95% CI
Composite Weight Stigma Frequency + Consciousness					
Cortisol					
Morning Serum	Composite	0.41*	0.37*	0.15	0.06 , 0.68
(n = 44)	% Body Fat	-0.31	-2.52	1.27	-5.09 , 0.04
	Income	-0.01	-0.001	0.04	-0.08 , 0.08
	Global Stress	-0.09	-0.06	0.11	-0.27 , 0.15
Daily Total (AUC)	Composite	0.34	0.30	0.15	-0.002 , 0.60
(n = 37)	% Body Fat	-0.19	-1.35	1.13	-3.65 , 0.96
	Income	-0.13	-0.30	0.04	-0.11 , 0.05
	Global Stress	0.23	0.13	0.09	-0.06 , 0.33
Awakening Response	Composite	0.31	5.43	2.88	-0.42 , 11.27
(n = 41)	% Body Fat	-0.06	-8.68	23.74	-56.77 , 39.41
	Income	0.16	0.78	0.74	-0.71 , 2.28
	Global Stress	0.34*	4.55*	2.01	0.47 , 8.63
Diurnal Slope	Composite	0.15	1.87	2.30	-2.80 , 6.54
(n = 40)	% Body Fat	-0.21	-22.40	18.76	-60.45 , 15.65
	Income	-0.03	-0.11	0.60	-1.33 , 1.11
	Global Stress	-0.24	-2.25	1.57	-5.44 , 0.94
F2-Isoprostanes	Composite	0.35*	0.28*	0.13	0.02 , 0.54
(n = 44)	% Body Fat	0.10	0.72	1.11	-1.53 , 2.97
	Age	-0.20	-0.01	0.01	-0.03 , 0.01
	Income	-0.07	-0.02	0.03	-0.08, 0.06
	Global Stress	0.07	0.04	0.09	-0.14 , 0.22
Weight Stigma Frequency					
Cortisol					
Morning Serum	Frequency	0.34*	0.004*	0.002	0.00 , 0.01
(n = 44)	% Body Fat	-0.35*	-2.91*	1.35	-5.64 , -0.18
	Income	0.008	0.002	0.04	-0.08 , 0.08
Daily Total (AUC)	Frequency	0.32	0.004	0.002	-0.001 , 0.01
(n = 37)	% Body Fat	-0.24	-1.75	1.27	-4.33 , 0.83
	Income	-0.05	-0.01	0.04	-0.09 , 0.07
Awakening Response	Frequency	0.39*	0.08*	0.04	0.002 , 0.17
(n = 41)	% Body Fat	-0.17	-25.84	25.92	-78.35 , 26.68
	Income	0.27	1.22	0.78	-0.36 , 2.81
Diurnal Slope	Frequency	0.11	0.02	0.03	-0.05 , 0.09
(n = 40)	% Body Fat	-0.20	-21.56	20.42	-62.97 , 19.84
	Income	-0.07	-0.24	0.62	-1.50 , 1.03
F2-Isoprostanes	Frequency	0.34	0.003	0.002	0.00 , 0.01
(n = 44)	% Body Fat	0.04	0.27	1.08	-1.92 , 2.45
	Age	-0.08	-0.003	0.01	-0.02 , 0.01
	Income	-0.11	-0.02	0.03	-0.09 , 0.05
Weight Stigma Consciousness					

Cortisol					
Morning Serum	Consciousness	0.35*	0.02*	0.01	0.001 , 0.04
(n = 45)	% Body Fat	-0.23	-1.87	1.21	-4.31 , 0.14
	Global Stress	-0.11	-0.07	0.11	-0.29 , 0.15
Daily Total (AUC)	Consciousness	0.32	0.32	0.01	-0.001 , 0.03
(n = 38)	% Body Fat	-0.14	-0.14	1.10	-3.23 , 1.24
	Global Stress	0.18	0.18	0.10	-0.09 , 0.30
Awakening Response	Consciousness	0.23	0.25	0.16	-0.09 , 0.57
(n = 42)	% Body Fat	-0.01	-1.17	22.57	-48.86 , 44.53
	Global Stress	0.36*	4.86*	2.02	0.78 , 8.95
Diurnal Slope	Consciousness	0.12	0.09	0.13	-0.17 , 0.35
(n = 41)	% Body Fat	-0.17	-18.26	17.34	-53.39 , 16.88
	Global Stress	-0.26	-2.38	1.54	-5.50 , 0.75
F2-Isoprostanes	Consciousness	0.34*	0.02*	0.01	0.001 , 0.03
(n = 45)	% Body Fat	0.15	1.08	1.07	-1.08 , 3.23
	Age	-0.26	-0.01	0.01	-0.03 , 0.01
	Global Stress	0.03	0.02	0.09	-0.16 , 0.20

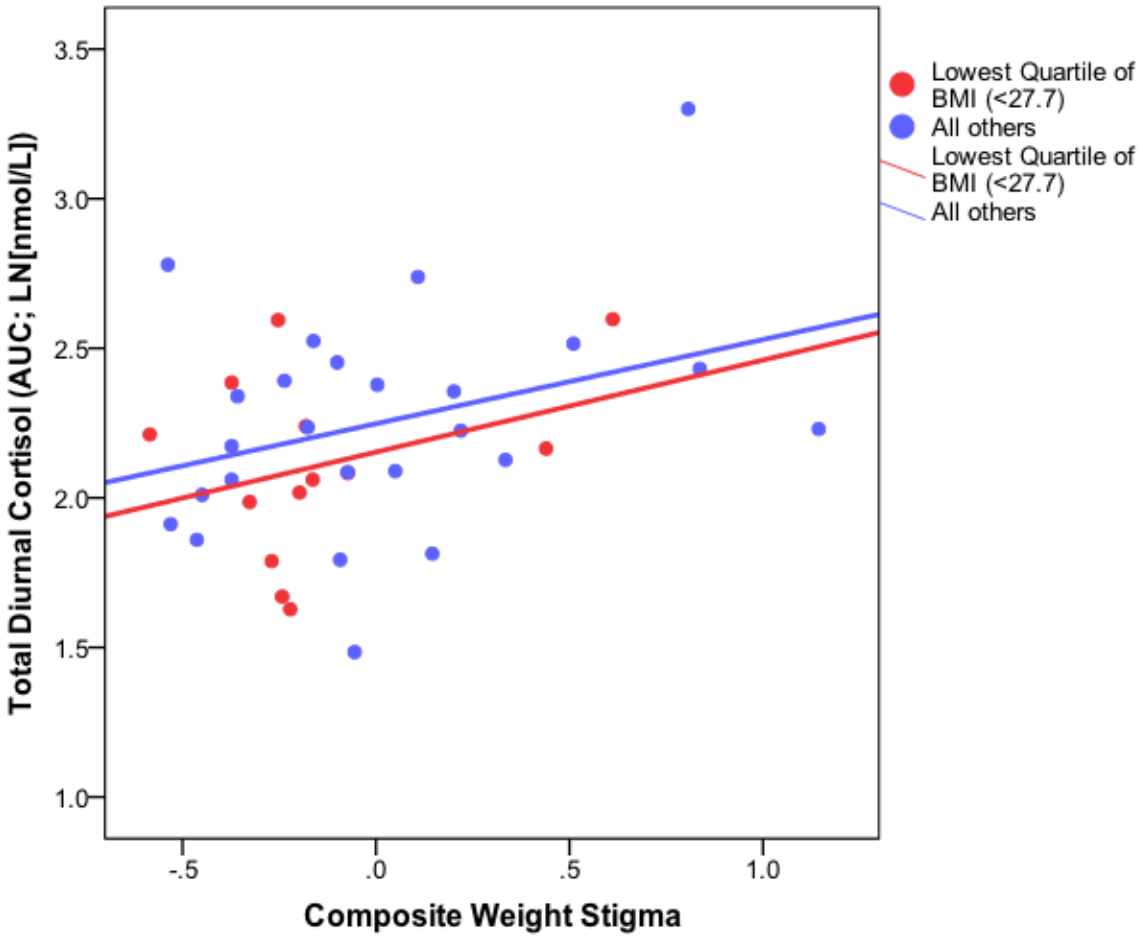
Note: Cortisol units are ln(mg/dL) for serum and ln(nmol/L) for all other variables; F2-Isoprostane units are ln(ng/mL); CI = Confidence Interval; *$p < 0.05$ (2-tailed); ß values represent standardized units, whereas b values represent raw values.

Figure S1. Associations between composite weight stigma and outcome measures comparing the lowest quartile (<27.7) of BMI to all others. The association is similar between the two groups, consistent with the interpretation that weight stigma may even affect women who are nearer to what is considered "normal" BMI. Panel A. Weight stigma and morning serum cortisol. Panel B. Weight stigma and total diurnal cortisol AUC. Panel C. Weight stigma and cortisol awakening response. Panel D. Weight stigma and F2-isoprostanes.

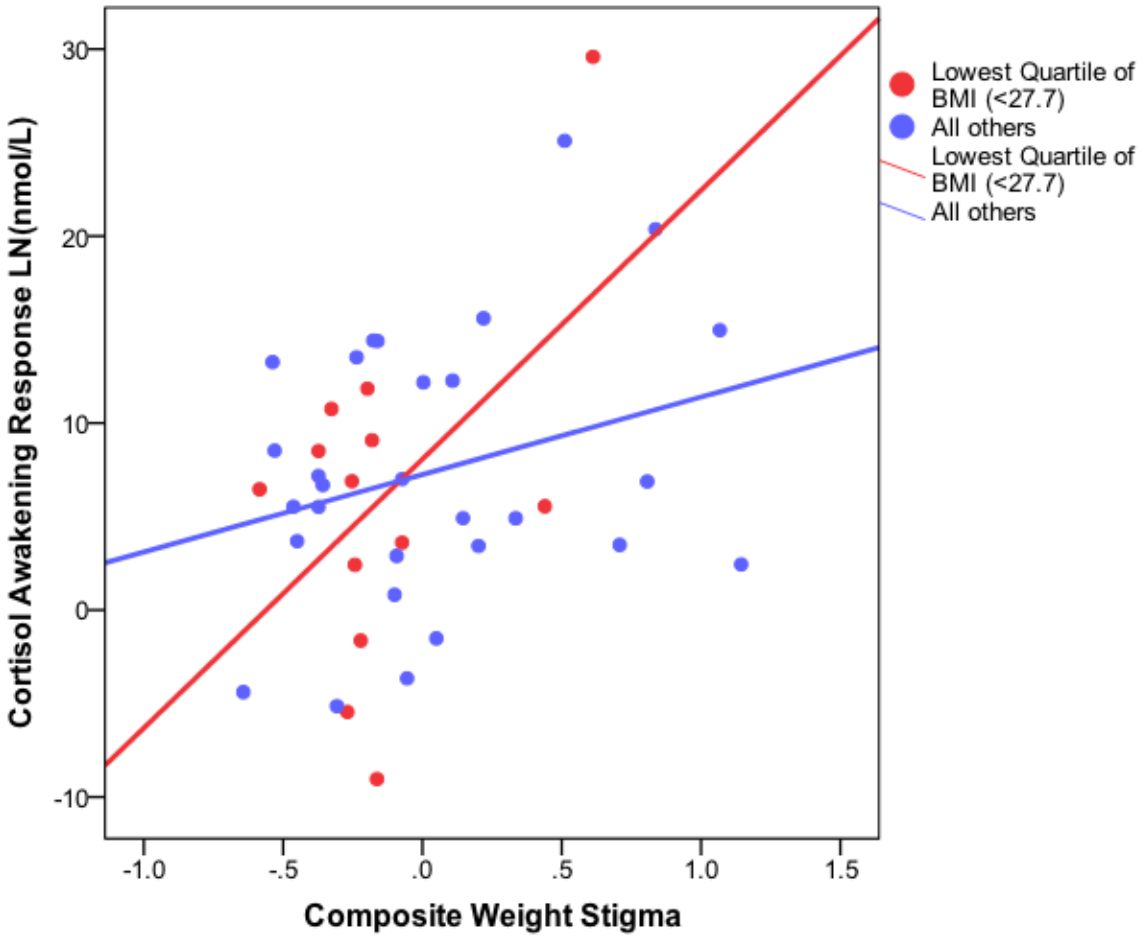
A.



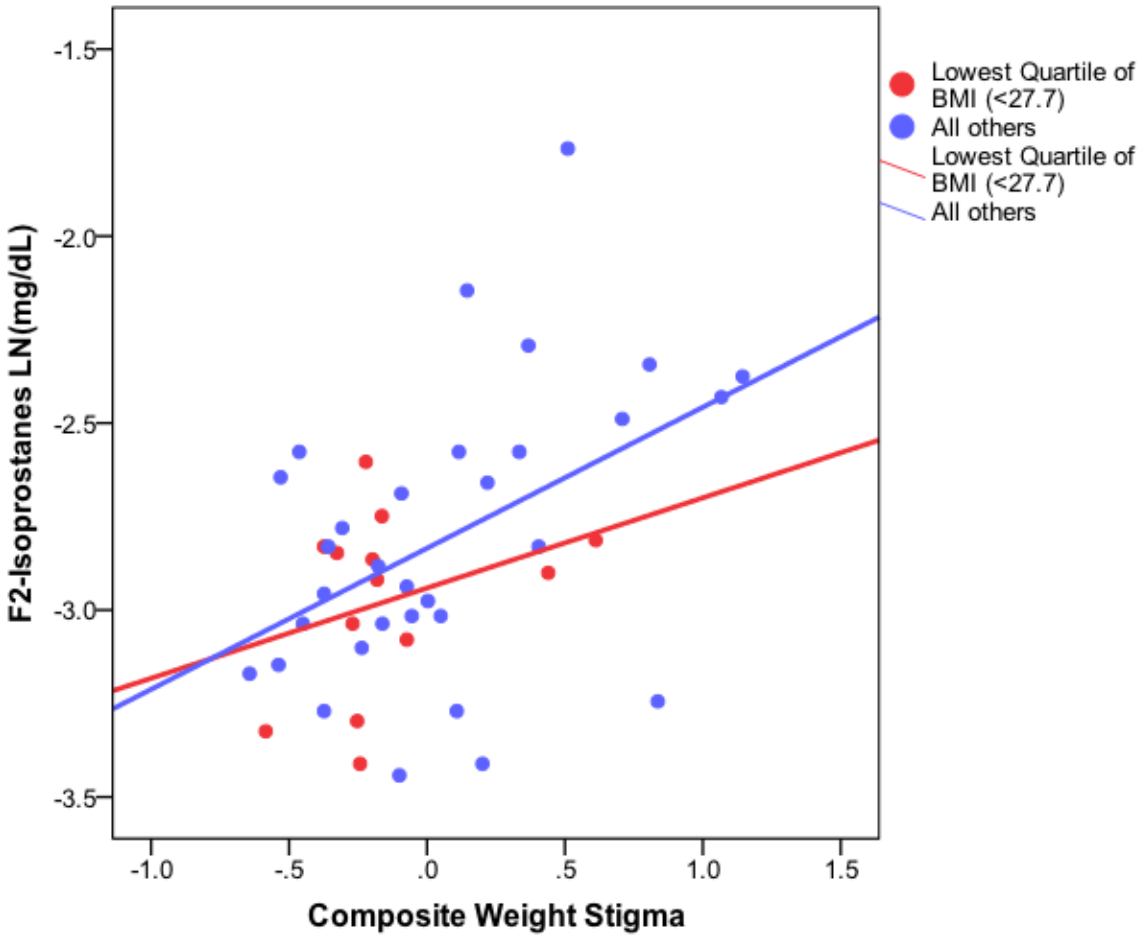
B.


Total Diurnal Cortisol (AUC; LN[nmol/L])
3.5
3.0
2.5
2.0
1.5
1.0
-.5
.0
.5
1.0
Composite Weight Stigma
Lowest Quartile of BMI (<27.7)
All others
Lowest Quartile of BMI (<27.7)
All others

C.


Cortisol Awakening Response LN(nmol/L)
30
20
10
0
-10
-1.0
-.5
.0
.5
1.0
1.5
Composite Weight Stigma
Lowest Quartile of BMI (<27.7)
All others
Lowest Quartile of BMI (<27.7)
All others

D.


F2-Isoprostanes LN(mg/dL)
-1.5
-2.0
-2.5
-3.0
-3.5
-1.0
-.5
.0
.5
1.0
1.5
Composite Weight Stigma
Lowest Quartile of BMI (<27.7)
All others
Lowest Quartile of BMI (<27.7)
All others