Supplementary Table S1. Baseline demographic and clinical characteristics of NHANES study participants, stratified by ANA seropositivity.

	Combined n=2,188	ANA negative n=1,866	ANA positive n=322	*p-value
Age (%)				
<40	822 (37.6)	712 (38.2)	110 (34.2)	<0.001
40-49	347 (15.9)	309 (16.6)	38 (11.8)	
50-59	303 (13.8)	243 (13.0)	60 (18.6)	
60-69	328 (15.0)	290 (15.5)	38 (11.8)	
70-79	225 (10.3)	186 (10.0)	39 (12.1)	
80+	163 (7.4)	126 (6.8)	37 (11.5)	
Sex (%)				
Male	1,013 (46.3)	896 (48.0)	117 (36.3)	<0.001
Female	1,175 (53.7)	970 (52.0)	205 (63.7)	
Race/ethnicity (%)				
Non-Hispanic white	1,105 (50.5)	941 (50.4)	164 (50.9)	0.02
Non-Hispanic black	370 (16.9)	305 (16.3)	65 (20.2)	
Mexican American	517 (23.6)	449 (24.1)	68 (21.1)	
Other Hispanic	119 (5.4)	97 (5.2)	22 (6.8)	
Other race (including multi-racial)	77 (3.5)	74 (4.0)	3 (0.9)	
BMI category (%)				
<25	788 (37.1)	652 (35.9)	136 (44.3)	0.02
25-29.9	746 (35.1)	651 (35.8)	95 (30.9)	
30+	600 (27.7)	513 (28.2)	76 (24.8)	
Education (%)				
Less than high school	749 (34.3)	640 (34.3)	109 (34.1)	0.34
High school diploma or equivalent	488 (22.3)	407 (21.8)	81 (25.3)	
More than high school	948 (43.4)	818 (43.9)	130 (40.6)	
Smoking history (%)				
Never	1,115 (51.0)	948 (50.8)	167 (52.0)	0.62
Former	597 (27.3)	506 (27.1)	91 (28.3)	
Current	474 (21.7)	411 (22.0)	63 (19.6)	
Cancer history (%)	192 (8.8)	166 (8.9)	26 (8.1)	0.62
Hypertension (%)	663 (30.6)	557 (30.2)	106 (33.0)	0.31
Diabetes mellitus (%)	202 (9.2)	183 (9.8)	19 (5.9)	0.03
Thyroid disease (%)	58 (2.7)	47 (2.5)	11 (3.4)	0.35
Telomere length (%)				
Lowest 10th percentile	-	178 (9.5)	41 (12.7)	0.08
Upper 90th percentile	-	1,688 (90.5)	281 (87.3)	
Telomere length (%)				
First quartile	-	460 (24.7)	87 (27.0)	0.40
Second quartile	-	477 (25.6)	70 (21.7)	
Third quartile	-	469 (25.1)	78 (24.2)	
Fourth quartile	-	460 (24.7)	87 (27.0)	

ANA: antinuclear antibody; BMI: body mass index.
*p-values reflect the significance of individual chi-squared analyses for each covariate presented, comparing ANA positive and negative subjects.

Supplementary Table S2. Unadjusted and adjusted associations between clinical covariates, including telomere length in the lowest decile, and ANA seropositivity, shown in tabular form (multivariate model includes all of the covariates listed below).

	Univariate analyses			Multivariate analyses		
	OR	95% CI	*p*	OR	95% CI	*p*
Telomere length						
Upper 90th percentile	1 (ref)	-	-	1 (ref)	-	-
Lowest 10th percentile	1.63	0.98-2.70	0.06	1.48	0.87-2.52	0.14
Sex						
Male	1 (ref)	-	-	1 (ref)	-	-
Female	1.98	1.30-3.02	0.002	1.91	1.23-2.96	0.006
Black race						
No	1 (ref)	-	-	1 (ref)	-	-
Yes	1.40	0.91-2.15	0.12	1.59	1.00-2.51	0.05
Age						
<40	1 (ref)	-	-	1 (ref)	-	-
40-49	0.77	0.48-1.25	0.28	0.75	0.45-1.25	0.26
50-59	1.69	1.15-2.48	0.01	1.71	1.09-2.69	0.02
60-69	0.89	0.45-1.74	0.72	0.84	0.42-1.67	0.60
70-79	1.53	0.88-2.65	0.13	1.40	0.76-2.59	0.26
80+	2.54	1.39-4.63	0.004	2.06	1.08-3.92	0.03
BMI category						
<25	1 (ref)	-	-	1 (ref)	-	-
25-29.9	0.68	0.44-1.04	0.07	0.73	0.47-1.12	0.14
30+	0.71	0.53-0.95	0.02	0.71	0.53-0.97	0.03
Smoking history						
Never	1 (ref)	-	-	1 (ref)	-	-
Former	0.94	0.66-1.36	0.75	1.04	0.70-1.53	0.86
Current	0.76	0.52-1.12	0.16	0.86	0.58-1.27	0.45
Cancer history						
No	1 (ref)	-	-	1 (ref)	-	-
Yes	1.11	0.56-2.21	0.75	0.95	0.46-1.97	0.89
Current thyroid disease						
No	1 (ref)	-	-	1 (ref)	-	-
Yes	1.29	0.56-2.96	0.53	1.02	0.40-2.61	0.96

OR: odds ratio; BMI: body mass index.