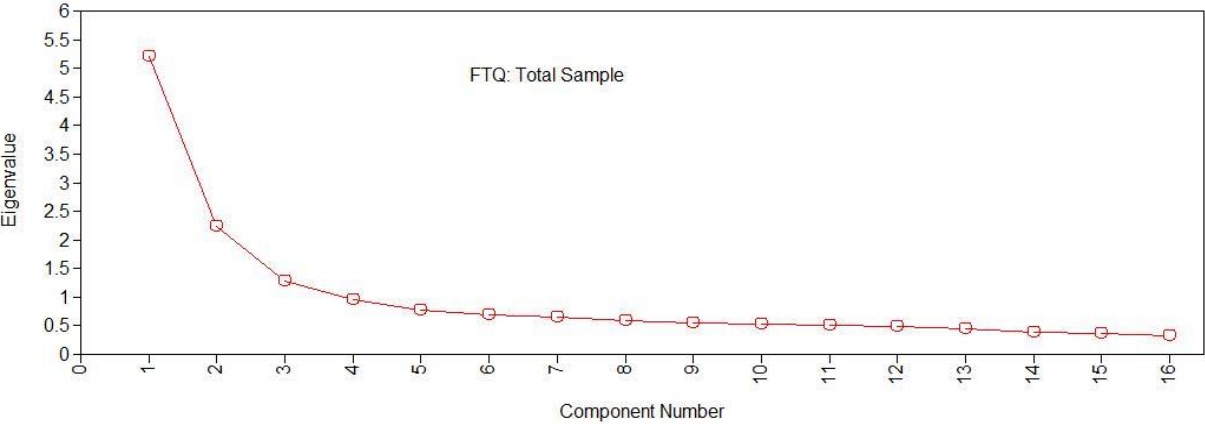


On Line Supplemental Tables

Appendix Figure 1: Feeling Tone Questionnaire (FTQ), 16 item set:

Scree plot from the exploratory factor analysis of the total sample (n = 6756)



Appendix Table 1. Feeling Tone Questionnaire (FTQ): Model fit statistics

CFA Models	RMSEA	CFI
Unidimensional Models		
16 Item Set (Model 1a in Table 3)	0.105	0.829
13 Item Set (Model 1b in Table 3)	0.084	0.925
Positive Affect Item Set (Model 1c in Table 3)	0.081	0.967
Negative Affect Item Set (Model 1d in Table 3)	0.088	0.876
16 Item Set with Correlated Item Uniqueness Among Positive Affect Items	0.067	0.954
16 Item Set with Correlated Item Uniqueness Among Negative Affect Items (Model 2a in Table 3)	0.070	0.940
16 Item Set with Correlated Item Uniqueness Among Positive and Negative Affect Items (Model 2b in Table 3) Note: Uniqueness correlation between items happy and nice day yesterday was set to zero	0.061	0.973
13 Item Set with Correlated Item Uniqueness Among Negative Affect Items	0.062	0.963
13 Item Set with Correlated Item Uniqueness Among Positive and Negative Affect Items Note: Uniqueness correlation between items people are helpful here and sleep well was set to zero	0.039	0.994
16 Item Set with Correlated Residuals (for items health with pain and stops; bored with lonely)	0.086	0.888
13 Item Set with Correlated Residuals (for items bored with lonely)	0.071	0.947
Methods Factor (Bifactor) Models – 16 Item set		
Positive Affect Items as Methods Factor	0.067	0.937
Negative Affect Items as Methods Factor (Model 3 in Table 3)	0.072	0.926
Modified Traditional BiFactor Models (orthogonal factors)		
16 Item Three Group Model	0.058	0.956
16 Item Two Group Model (Model 4 in Table 3)	0.062	0.950
13 Item Three Group Model	0.046	0.982
Two Factor CFA, Positive and Negative Affect Items, Orthogonal		
Two Factor CFA, Positive and Negative Affect Items with Oblique (Geomin) Rotation (Model 5 in Table 3)	0.072	0.920
Three Factor CFA, Positive, Negative Affect and Health Related Items with Oblique (Geomin) Rotation	0.066	0.934
Unidimensional Models of 16 Item Sets by Demographic Subgroups		
Non-Hispanic White	0.097	0.848
Non-Hispanic Black	0.118	0.799
Hispanic	0.148	0.677
Unidimensional Models of 13 Item Set by Demographic Subgroups		

CFA Models	RMSEA	CFI
Non-Hispanic White	0.081	0.928
Non-Hispanic Black	0.089	0.923
Hispanic	0.106	0.882
Unidimensional Models of 9 Positive Affect Item Set by Demographic Subgroups		
Non-Hispanic White	0.078	0.968
Non-Hispanic Black	0.100	0.954
Hispanic	0.110	0.939
Unidimensional Models of 7 Negative Affect Item Set by Demographic Subgroups		
Non-Hispanic White	0.087	0.875
Non-Hispanic Black	0.087	0.876
Hispanic	0.111	0.892

Appendix Table 2. Feeling Tone Questionnaire (FTQ): Discrimination 'a' parameter estimates: IRTPRO individual subgroup runs

Item name	13 item set				9 positive affect item set			
	Total	NHW	NHB	Hisp.	Total	NHW	NHB	Hisp.
Are you feeling well?	1.50	1.54	1.43	1.19	1.49	1.53	1.41	1.18
Do you like being here?	1.50	1.52	1.47	1.27	1.43	1.45	1.41	1.25
Are you feeling happy today?	1.84	1.84	1.73	2.20	1.75	1.75	1.65	2.13
Do you have any pain?								
Are you feeling bored?	0.68	0.73	0.57	0.59				
Are people helpful here?	1.91	1.91	1.95	1.37	1.93	1.93	1.96	1.38
Do you feel lonely?	0.50	0.56	0.36	0.34				
Is there anything that stops you from doing what you want to do?								
Do you have a good appetite?	1.63	1.60	1.60	1.97	1.67	1.63	1.62	1.99
Do you like the people here?	1.99	1.89	2.21	1.96	2.04	1.93	2.27	2.05
Is anybody nasty to you?	0.74	0.74	0.73	0.88				
Do you sleep well?	1.37	1.28	1.48	2.06	1.34	1.26	1.47	1.99
Did you have a nice day yesterday?	2.30	2.22	2.43	2.61	2.26	2.18	2.41	2.55
Did anything upset you yesterday?	0.79	0.88	0.58	0.79				
Do you have any trouble with your health?								
Do you feel good about tomorrow?	1.43	1.42	1.56	1.23	1.43	1.42	1.58	1.21

Appendix Table 3. Feeling Tone Questionnaire (FTQ) 13 item set: IRT item parameters and DIF statistics for the race/ethnicity groups, non-Hispanic White is the reference group

Item name	Group	<i>a</i>	<i>b1</i>	<i>b2</i>	<i>a</i> DIF*	<i>b</i> DIF*
Are you feeling well?	Non-Hispanic White	1.54 (0.05)	-1.45 (0.04)	-0.18 (0.03)		
	Non-Hispanic Black	1.47 (0.12)	-1.50 (0.09)	0.11 (0.07)	0.1 (0.757)	29.2 (<0.001)
	Hispanic	1.37 (0.17)	-1.58 (0.14)	0.26 (0.12)	0.3 (0.574)	28.1 (<0.001)
Do you like being here?	Non-Hispanic White	1.51 (0.05)	-1.33 (0.04)	-0.13 (0.03)	DIF not significant	
	Non-Hispanic Black					
	Hispanic					
Are you feeling happy?	Non-Hispanic White	1.84 (0.06)	-1.19 (0.03)	-0.06 (0.02)		
	Non-Hispanic Black	1.78 (0.14)	-1.37 (0.08)	-0.04 (0.06)	0.1 (0.806)	7.0 (0.030)
	Hispanic	2.52 (0.30)	-1.33 (0.09)	-0.20 (0.08)	0.8 (0.379)	16.4 (<0.001)
Do you have any pain?	Item excluded					
Are you feeling bored today?	Non-Hispanic White	0.73 (0.04)	-2.31 (0.12)	-1.20 (0.07)		
	Non-Hispanic Black	0.58 (0.09)	-3.36 (0.46)	-1.83 (0.25)	1.5 (0.216)	8.7 (0.013)
	Hispanic	0.67 (0.14)	-2.79 (0.49)	-1.25 (0.21)	0.1 (0.763)	4.9 (0.084)
Are people helpful here?	Non-Hispanic White	1.91 (0.07)	-1.96 (0.05)	-0.41 (0.02)		
	Non-Hispanic Black	2.00 (0.16)	-1.91 (0.11)	-0.13 (0.06)	0.3 (0.599)	28.0 (<0.001)
	Hispanic	1.57 (0.20)	-2.04 (0.19)	-0.23 (0.09)	0.8 (0.372)	8.0 (0.019)
Do you feel lonely?	Non-Hispanic White	0.56 (0.03)	-2.17 (0.13)	-0.42 (0.06)		
	Non-Hispanic Black	0.38 (0.07)	-3.93 (0.73)	-1.59 (0.31)	4.1 (0.044)	25.6 (<0.001)
	Hispanic	0.39 (0.11)	-3.39 (0.89)	-0.54 (0.24)	1.0 (0.312)	2.6 (0.280)
Is there anything that stops you from doing what you want to do?	Item excluded					
Do you have a good appetite?	Non-Hispanic White	1.59 (0.05)	-1.65 (0.05)	-0.28 (0.03)		
	Non-Hispanic Black	1.65 (0.13)	-1.66 (0.10)	0.13 (0.07)	0.2 (0.689)	57.7 (<0.001)
	Hispanic	2.26 (0.28)	-1.52 (0.11)	-0.09 (0.08)	0.9 (0.357)	22.6 (<0.001)
Do you like the people here?	Non-Hispanic White	1.89 (0.07)	-2.37 (0.07)	-0.44 (0.02)		
	Non-Hispanic Black	2.28 (0.19)	-2.18 (0.12)	-0.20 (0.05)	2.8 (0.096)	19.4 (<0.001)
	Hispanic	2.24 (0.27)	-1.94 (0.15)	-0.36 (0.07)	0.2 (0.649)	0.3 (0.870)

Item name	Group	<i>a</i>	<i>b1</i>	<i>b2</i>	<i>a</i> DIF*	<i>b</i> DIF*
Is anybody nasty to you?	Non-Hispanic White	0.75 (0.04)	-3.14 (0.16)	-2.04 (0.10)	NS, Anchor item	
	Non-Hispanic Black					
	Hispanic					
Do you sleep well?	Non-Hispanic White	1.28 (0.05)	-1.52 (0.05)	-0.08 (0.03)		
	Non-Hispanic Black	1.52 (0.12)	-1.72 (0.10)	0.15 (0.07)	2.4 (0.121)	61.6 (<0.001)
	Hispanic	2.36 (0.28)	-1.36 (0.10)	-0.04 (0.09)	2.2 (0.142)	35.0 (<0.001)
Did you have a nice day yesterday?	Non-Hispanic White	2.22 (0.07)	-1.63 (0.04)	-0.28 (0.02)		
	Non-Hispanic Black	2.48 (0.20)	-1.66 (0.08)	-0.08 (0.06)	1.2 (0.271)	28.6 (<0.001)
	Hispanic	2.99 (0.38)	-1.58 (0.11)	-0.24 (0.07)	0.7 (0.416)	10.9 (0.004)
Did anything upset you yesterday?	Non-Hispanic White	0.88 (0.05)	-2.87 (0.15)	-1.87 (0.09)		
	Non-Hispanic Black	0.59 (0.11)	-4.79 (0.83)	-3.23 (0.54)	3.7 (0.054)	12.3 (0.002)
	Hispanic	0.88 (0.21)	-3.40 (0.65)	-2.39 (0.42)	<0.1 (0.970)	10.0 (0.007)
Do you have any trouble with your health?	Item excluded					
Do you feel good about tomorrow?	Non-Hispanic White	1.45 (0.04)	-2.03 (0.05)	-0.09 (0.03)	NS, Anchor item	
	Non-Hispanic Black					
	Hispanic					

* Statistical test for differences in parameters is Wald test using 1 d.f. for the test of differences in the *a* parameters for the comparison groups and 2 d.f. for the test of differences in the *b* parameters.

* Bolded entries indicate items that evidence DIF after correction for multiple comparisons; “NS, Anchor item” refers to a non-significant DIF finding for the item during the initial iterative anchor item selection process. The “non-significant” designation refers to the second stage DIF detection procedure using the anchor items and testing the remaining items. The “non-significant” designation indicates that the item was not found to have DIF in the second stage of DIF detection.

Appendix Table 4. Feeling Tone Questionnaire (FTQ) positive items set: IRT item parameters and DIF statistics for the race/ethnicity groups, non-Hispanic White is the reference group

Item name	Group	<i>a</i>	<i>b1</i>	<i>b2</i>	<i>a</i> DIF*	<i>b</i> DIF*
Are you feeling well?	Non-Hispanic White	1.53 (0.05)	-1.47 (0.04)	-0.19 (0.03)		
	Non-Hispanic Black	1.42 (0.12)	-1.60 (0.12)	0.05 (0.07)	0.6 (0.429)	18.8 (<0.001)
	Hispanic	1.37 (0.18)	-1.58 (0.17)	0.25 (0.13)	0.7 (0.402)	22.2 (<0.001)
Do you like being here?	Non-Hispanic White				NS, Anchor item	
	Non-Hispanic Black	1.44 (0.05)	-1.39 (0.04)	-0.14 (0.03)		
	Hispanic					
Are you feeling happy?	Non-Hispanic White	1.75 (0.06)	-1.23 (0.04)	-0.06 (0.02)		
	Non-Hispanic Black	1.67 (0.14)	-1.49 (0.10)	-0.09 (0.07)	0.3 (0.606)	11.3 (0.004)
	Hispanic	2.47 (0.31)	-1.34 (0.12)	-0.19 (0.09)	5.2 (0.023)	12.2 (0.002)
Are people helpful here?	Non-Hispanic White	1.93 (0.07)	-1.96 (0.05)	-0.41 (0.02)		
	Non-Hispanic Black	1.98 (0.17)	-2.00 (0.13)	-0.19 (0.06)	0.1 (0.797)	17.8 (<0.001)
	Hispanic	1.60 (0.21)	-2.02 (0.21)	-0.24 (0.09)	2.2 (0.139)	3.9 (0.144)
Do you have a good appetite?	Non-Hispanic White	1.63 (0.06)	-1.64 (0.05)	-0.28 (0.03)		
	Non-Hispanic Black	1.63 (0.14)	-1.74 (0.12)	0.08 (0.07)	<0.1 (0.999)	43.1 (<0.001)
	Hispanic	2.31 (0.29)	-1.50 (0.13)	-0.09 (0.09)	5.0 (0.025)	18.2 (<0.001)
Do you like the people here?	Non-Hispanic White	1.93 (0.07)	-2.36 (0.07)	-0.44 (0.02)		
	Non-Hispanic Black	2.29 (0.20)	-2.26 (0.15)	-0.26 (0.06)	2.8 (0.096)	13.7 (0.001)
	Hispanic	2.38 (0.30)	-1.89 (0.17)	-0.36 (0.08)	2.0 (0.157)	2.8 (0.247)
Do you sleep well?	Non-Hispanic White	1.26 (0.05)	-1.54 (0.05)	-0.09 (0.03)		
	Non-Hispanic Black	1.48 (0.13)	-1.82 (0.13)	0.09 (0.08)	2.6 (0.106)	59.6 (<0.001)
	Hispanic	2.31 (0.29)	-1.37 (0.12)	-0.03 (0.09)	12.6 (<0.001)	24.0 (<0.001)
Did you have a nice day yesterday?	Non-Hispanic White	2.18 (0.08)	-1.66 (0.04)	-0.28 (0.02)		
	Non-Hispanic Black	2.43 (0.21)	-1.76 (0.11)	-0.14 (0.06)	1.2 (0.268)	22.5 (<0.001)

Item name	Group	<i>a</i>	<i>b1</i>	<i>b2</i>	<i>a</i> DIF*	<i>b</i> DIF*
	Hispanic	2.97 (0.39)	-1.58 (0.13)	-0.23 (0.08)	3.9 (0.047)	7.4 (0.025)
Do you feel good about tomorrow?	Non-Hispanic White	1.42 (0.05)	-2.02 (0.06)	-0.10 (0.03)		
	Non-Hispanic Black	1.60 (0.14)	-2.20 (0.16)	-0.12 (0.07)	1.3 (0.247)	13.7 (0.001)
	Hispanic	1.41 (0.19)	-1.98 (0.21)	-0.04 (0.11)	<0.1 (0.939)	0.3 (0.843)

* Statistical test for differences in parameters is Wald test using 1 d.f. for the test of differences in the *a* parameters for the comparison groups and 2 d.f. for the test of differences in the *b* parameters.

* Bolded entries indicate items that evidence DIF after correction for multiple comparisons; “NS, Anchor item” refers to a non-significant DIF finding for the item during the initial iterative anchor item selection process. The “non-significant” designation refers to the second stage DIF detection procedure using the anchor items and testing the remaining items. The “non-significant” designation indicates that the item was not found to have DIF in the second stage of DIF detection.