

## Supplementary Table 1

<b>Table S1. NSAIDs Reported in NHANES 1988-1994 and 1999-2004</b>				
Prescription NSAIDs	NHANES III (1988-1994)	1999-2000	2001-2002	2003-2004
Drug Name				
Aspirin	X	X	X	X
Ibuprofen	X	X	X	X
Celecoxib		X	X	X
Choline	X		X	
Diclofenac (Voltarin)	X	X	X	X
Diflunisal	X			X
Etodolac	X	X	X	X
Fenoprofen	X	X		
Flurbiprofen	X	X	X	
Indomethecin (Indocin)	X	X	X	X
Ketoprofen	X	X	X	X
Ketorolac	X	X	X	X
Meclofenamate	X			
Mefenamic Acid	X			X
Meloxicam		X	X	X
Nabumetone	X	X	X	X
Naproxen (Naprosyn)	X	X	X	X
Nimesulide				X
Oxaprozin	X	X	X	X
Pentoxifylline	X	X	X	X
Pilocarpine	X	X	X	
Piroxicam (Feldene)	X	X	X	X
Rofecoxib		X	X	X
Salsalate	X	X	X	X
Sulindac (Clinoril)	X	X	X	X
Tiaprofenic Acid	X			
Tolmetin	X	X	X	X
Valdecoxib			X	X
Other NSAIDs (Analgesic data)				
Aspirin	X	X	X	X
Ibuprofen	X	X	X	X
Excedrin (coded as aspirin)		X	X	X
Vanquish (coded as aspirin)		X	X	X
Feldene (Piroxicam)		X	X	X
Voltarin (Diclofenac)		X	X	X
Clinoril (Sulindac)		X	X	X
Indocin (Indomethecin)		X	X	X
Naprosyn (Naproxen - Aleve)		X	X	X
Tolectin		X	X	X

NHANES, National Health And Nutrition Examination Survey; NSAIDs, Non-Steroidal Anti-Inflammatory Drugs

Supplementary Table 2

<b>Table S2. Prevalence of NSAID Use by Demographic and Study Period</b>								
	<b>NHANES III (1988-1994)</b>				<b>NHANES 1999-2004</b>			
	None	Aspirin	Non-Aspirin	Multiple NSAIDs	None	Aspirin	Non-Aspirin	Multiple NSAIDs
Overall Prevalence, Row % (SE)	83.1 (0.6)	7.6 (0.4)	7.7 (0.4)	1.6 (0.1)	73.3 (0.8)	10.4 (0.5)	11.8 (0.4)	4.4 (0.2)
Age, Years								
20-39	92.1 (0.5)	2.0 (0.3)	5.4 (0.5)	0.6 (0.2)	87.6 (0.7)	1.8 (0.2)	9.2 (0.6)	1.4 (0.2)
40-59	81.7 (0.9)	8.1 (0.8)	8.5 (0.7)	1.7 (0.2)	71.3 (1.0)	9.6 (0.7)	13.9 (0.7)	5.2 (0.5)
60+	67.3 (0.9)	17.9 (0.9)	11.2 (0.7)	3.5 (0.3)	51.9 (1.2)	27.0 (1.0)	12.7 (0.7)	8.5 (0.6)
Sex								
Male	84.2 (0.7)	8.6 (0.6)	5.9 (0.4)	1.4 (0.2)	75.5 (1.0)	11.7 (0.7)	9.0 (0.5)	3.8 (0.3)
Female	82.1 (0.8)	6.6 (0.5)	9.5 (0.5)	1.9 (0.2)	71.1 (0.8)	9.2 (0.5)	14.7 (0.5)	5.0 (0.3)
Race/Ethnicity								
NH White	81.1 (0.7)	9.0 (0.5)	8.1 (0.5)	1.8 (0.2)	69.4 (0.8)	12.5 (0.6)	12.9 (0.5)	5.2 (0.3)
NH African American	87.8 (0.5)	3.1 (0.2)	8.0 (0.4)	1.1 (0.2)	81.7 (0.9)	5.7 (0.4)	10.4 (0.7)	2.2 (0.3)
Mexican American	90.4 (0.5)	2.9 (0.3)	5.9 (0.4)	0.9 (0.2)	87.9 (1.0)	3.1 (0.5)	7.1 (0.6)	1.9 (0.4)
Other Race	94.5 (1.2)	2.4 (1.0)	1.7 (0.8)	1.4 (0.9)	82.7 (2.1)	7.6 (1.6)	6.5 (1.4)	3.2 (0.9)
Other Hispanic	88.1 (3.2)	3.2 (1.2)	7.7 (2.8)	1.0 (0.3)	82.2 (1.5)	4.6 (0.9)	10.4 (1.3)	2.9 (0.8)
Poverty to Income Ratio								
≤ 1.3	82.4 (1.8)	7.1 (0.8)	8.9 (0.7)	1.7 (0.3)	75.7 (1.2)	7.5 (0.6)	12.8 (0.8)	4.1 (0.4)
> 1.3 < 3.5	83.5 (0.8)	7.5 (0.5)	7.6 (0.5)	1.5 (0.2)	73.2 (1.0)	11.7 (0.7)	10.9 (0.5)	4.2 (0.3)
≥ 3.5	82.9 (0.9)	8.0 (0.7)	7.4 (0.6)	1.7 (0.2)	72.0 (1.1)	10.7 (0.7)	12.4 (0.7)	4.9 (0.4)
Education								
Less than high School	78.7 (1.1)	9.6 (0.8)	9.3 (0.6)	2.4 (0.3)	73.3 (1.6)	11.2 (1.0)	11.2 (0.7)	4.3 (0.4)
High School Graduate	84.0 (0.7)	6.5 (0.5)	8.0 (0.6)	1.5 (0.2)	72.7 (0.9)	11.0 (0.6)	11.4 (0.8)	4.9 (0.5)
Some college or higher	85.0 (0.9)	7.2 (0.7)	6.6 (0.5)	1.2 (0.2)	73.6 (0.9)	9.9 (0.6)	12.2 (0.5)	4.3 (0.3)
BMI								
Normal (<25)	87.1 (0.6)	5.7 (0.4)	6.2 (0.4)	1.0 (0.1)	79.2 (1.0)	8.0 (0.6)	10.4 (0.6)	2.5 (0.3)
Overweight (≥25 < 30)	81.7 (0.8)	8.8 (0.6)	7.6 (0.7)	1.9 (0.3)	73.1 (1.1)	12.3 (0.9)	10.1 (0.5)	4.5 (0.4)
Obese (≥30 <35)	77.0 (1.3)	11.1 (1.2)	9.5 (0.9)	2.4 (0.4)	68.0 (1.1)	12.3 (1.0)	14.5 (1.1)	5.2 (0.5)
Severely Obese (≥35)	76.9 (1.4)	6.6 (0.9)	13.7 (1.4)	2.8 (0.5)	65.1 (1.4)	9.3 (1.0)	16.6 (1.3)	9.0 (0.8)
Waist Circumference								
≤88 cm (females) ≤102 cm (males)	87.2 (0.7)	5.9 (0.4)	5.8 (0.4)	1.1 (0.2)	80.1 (0.8)	7.7 (0.6)	9.6 (0.4)	2.5 (0.2)
>88 cm (females) >102 cm (males)	76.8 (0.8)	10.6 (0.6)	10.2 (0.6)	2.5 (0.2)	66.2 (0.9)	13.2 (0.6)	14.0 (0.6)	6.5 (0.4)
Physical Activity, Category								
Inactive	77.0 (1.0)	10.1 (0.6)	10.3 (0.6)	2.6 (0.3)	71.0 (1.0)	11.3 (0.6)	12.7 (0.6)	5.0 (0.4)
Insufficiently Active	86.0 (0.7)	5.7 (0.5)	7.0 (0.6)	1.3 (0.2)	74.2 (1.2)	10.0 (0.8)	12.1 (0.9)	3.8 (0.4)
Active	84.3 (1.0)	7.6 (0.7)	6.8 (0.5)	1.3 (0.2)	74.9 (0.8)	9.9 (0.6)	10.7 (0.6)	4.4 (0.3)
Alcohol Use								
0 drinks/day	80.3 (1.0)	8.9 (0.6)	8.9 (0.5)	1.9 (0.2)	68.5 (1.1)	13.3 (0.8)	12.5 (0.5)	5.7 (0.4)
1-2 drinks/day	83.5 (0.9)	7.8 (0.8)	7.1 (0.6)	1.6 (0.3)	71.3 (1.2)	11.5 (0.7)	12.5 (0.8)	4.7 (0.4)
≥3 drinks/day	87.5 (0.9)	5.3 (0.6)	6.1 (0.7)	1.1 (0.3)	80.8 (1.0)	5.8 (0.6)	10.4 (0.8)	3.0 (0.4)
Smoking								
Never	85.1 (0.8)	6.0 (0.4)	7.5 (0.6)	1.3 (0.2)	76.6 (0.9)	8.5 (0.5)	10.9 (0.6)	4.0 (0.3)
Former	78.1 (1.1)	11.3 (1.0)	8.2 (0.7)	2.4 (0.3)	62.6 (1.4)	17.7 (0.9)	13.4 (0.8)	6.3 (0.5)
Current	84.4 (0.8)	6.6 (0.6)	7.6 (0.6)	1.4 (0.3)	77.4 (1.3)	7.1 (0.6)	11.9 (1.0)	3.5 (0.5)
Current Health Status								
Excellent	89.9 (1.0)	5.4 (0.7)	3.7 (0.5)	0.9 (0.2)	84.9 (1.1)	7.5 (0.9)	6.3 (0.7)	1.3 (0.2)
Very Good	85.9 (0.8)	6.4 (0.6)	6.45 (0.6)	1.2 (0.2)	75.5 (1.2)	8.9 (0.7)	11.8 (0.7)	3.9 (0.3)
Good	82.0 (0.8)	8.1 (0.6)	8.7 (0.5)	1.2 (0.2)	71.1 (1.0)	11.3 (0.6)	12.3 (0.7)	5.3 (0.5)
Fair	73.4 (1.4)	10.9 (0.9)	11.7 (0.9)	3.9 (0.6)	61.7 (1.5)	14.7 (0.9)	16.3 (0.9)	7.3 (0.7)
Poor	61.5 (2.6)	13.6 (1.6)	20.0 (2.0)	5.0 (1.1)	48.1 (3.6)	18.3 (2.3)	23.8 (2.5)	9.8 (1.2)
Cancer History								
No	70.7 (1.7)	15.8 (1.4)	9.7 (1.1)	3.9 (0.6)	56.4 (1.8)	20.0 (1.4)	17.7 (1.6)	5.9 (0.7)
Yes	84.1 (0.6)	6.9 (0.4)	7.6 (0.4)	1.4 (0.1)	74.8 (0.8)	9.6 (0.5)	11.3 (0.4)	4.3 (0.3)
Diabetes								
No	84.0 (0.6)	7.2 (0.4)	7.3 (0.4)	1.5 (0.1)	74.8 (0.8)	9.6 (0.5)	11.7 (0.4)	4.0 (0.3)
Yes	66.9 (2.4)	14.9 (1.5)	14.9 (1.4)	3.3 (0.7)	54.2 (2.2)	22.0 (1.5)	13.3 (1.5)	10.5 (1.2)

Heart Disease								
No	85.1 (0.6)	6.1 (0.4)	7.5 (0.4)	1.3 (0.1)	75.6 (0.7)	8.6 (0.5)	11.8 (0.4)	4.0 (0.3)
Yes	51.0 (1.7)	31.6 (1.9)	10.7 (1.2)	6.8 (1.0)	40.0 (2.8)	36.9 (1.8)	12.0 (1.6)	11.4 (1.5)
Chronic Kidney Disease								
No	84.2 (0.6)	7.0 (0.4)	7.3 (0.4)	1.5 (0.1)	74.7 (0.8)	9.4 (0.5)	11.8 (0.4)	4.1 (0.3)
Yes	62.9 (2.2)	19.3 (1.5)	14.1 (1.5)	3.7 (0.7)	52.0 (1.7)	23.6 (1.5)	14.4 (1.4)	10.0 (1.3)

BMI, Body Mass Index; cm, centimeter; NH, Non-Hispanic; NHANES, National Health And Nutrition Examination Survey; NSAID, Non-Steroidal Anti-Inflammatory Drug; SE, Standard Error

Supplementary Table 3

	Table S3, Predictors of Regular NSAID Use in the US, NHANES III (1988-1994), Age Stratified Multivariate Logistic Regression					
	Age Category					
	20-39 n = 6,510		40-59 n = 4,403		60+ n = 5,290	
	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI
Race						
NH White	ref		ref		ref	
NH African American	0.602	0.431, 0.841	0.538	0.408, 0.710	0.601	0.454, 0.796
Mexican American	0.423	0.288, 0.619	0.529	0.385, 0.728	0.686	0.540, 0.871
Other	<b>0.272<sup>b</sup></b>	0.158, 0.467	0.346	0.108, 1.104	0.474	0.209, 1.074
Other Hispanic	0.520	0.121, 2.228	0.709	0.345, 1.459	<b>0.346<sup>b</sup></b>	0.197, 0.607
Gender						
Male	ref		ref		ref	
Female	<b>1.720<sup>a</sup></b>	1.207, 2.451	0.999	0.775, 1.289	1.012	0.807, 1.269
Education						
< HS	ref		ref		ref	
Completed HS	0.703	0.417, 1.185	0.955	0.648, 1.409	0.973	0.771, 1.228
Some college or more	0.692	0.398, 1.205	1.060	0.642, 1.751	1.288	0.961, 1.727
BMI						
< 25	ref		ref		ref	
25 < 30	1.530	1.082, 2.164	1.042	0.705, 1.540	1.348	1.059, 1.716
> 30 < 35	1.754	0.947, 3.247	<b>1.471<sup>b</sup></b>	0.921, 2.351	<b>1.806<sup>b</sup></b>	1.363, 2.393
≥ 35	<b>3.266<sup>a</sup></b>	1.487, 7.176	1.169	0.663, 2.060	1.723	1.119, 2.655
Poverty to Income Ratio						
≤ 1.3	ref		ref		ref	
> 1.3 ≤ 3.5	1.181	0.762, 1.831	1.101	0.678, 1.789	0.960	0.763, 1.207
> 3.5	1.112	0.596, 2.075	1.274	0.760, 2.134	1.116	0.822, 1.516
Alcohol Use						
0 drinks/day	ref		ref		ref	
1-2 drinks/day	1.103	0.698, 1.741	1.139	0.791, 1.641	1.073	0.834, 1.380
≥3 drinks/day	1.191	0.839, 1.690	1.157	0.814, 1.643	0.815	0.550, 1.206
Smoking Status						
Never	ref		ref		ref	
Former	0.830	0.481, 1.432	1.081	0.781, 1.498	0.979	0.795, 1.206
Current	1.260	0.809, 1.962	1.145	0.748, 1.753	0.803 <sup>c</sup>	0.613, 1.051
Physical Activity						
Inactive	ref		ref		ref	
Insufficiently Active	0.744	0.478, 1.157	<b>0.620<sup>a</sup></b>	0.431, 0.890	0.776	0.594, 1.013
Active	0.856	0.580, 1.264	0.921	0.611, 1.388	0.914	0.758, 1.103
Cancer History						
No	ref		ref		ref	
Yes	1.051	0.437, 2.529	0.777	0.464, 1.302	1.095	0.852, 1.406
Diabetes						
No	ref		ref		ref	
Yes	0.682	0.258, 1.801	<b>1.787<sup>*</sup></b>	1.148, 2.781	1.104	0.828, 1.473
Chronic Kidney Disease (%)						
No	ref		ref		ref	
Yes	0.672	0.063, 7.110	0.822	0.448, 1.506	1.235	0.958, 1.592
Heart Disease						
No (Ref)	ref		ref		ref	
Yes	<b>6.962<sup>*</sup></b>	1.705, 28.426	<b>3.732<sup>**</sup></b>	2.224, 6.263	<b>2.097<sup>**</sup></b>	1.634, 2.691
Current Health Status						
Excellent	ref		ref		ref	
Very Good	<b>1.311<sup>b</sup></b>	0.798, 2.153	1.293	0.857, 1.952	1.538 <sup>c</sup>	1.077, 2.195
Good	<b>1.434<sup>b</sup></b>	0.943, 2.182	1.630	1.144, 2.321	1.657	1.141, 2.406
Fair	2.727	1.527, 4.871	<b>2.208<sup>b</sup></b>	1.247, 3.908	1.889	1.400, 2.549
Poor	<b>5.930<sup>a</sup></b>	1.798, 26.708	1.400	0.679, 2.889	<b>2.951<sup>**a</sup></b>	1.997, 4.362
Waist Circumference						
≤88cm (females) ≤102 cm (males)	ref		ref		ref	
>88cm (females) >102 cm (males)	0.700	0.399, 1.230	1.210	0.893, 1.640	0.945	0.741, 1.204

BMI, Body Mass Index; CI, Confidence Interval; cm, centimeter; HS, High School; NH, Non-Hispanic; NHANES, National Health And Nutrition Examination Survey; NSAIDs, Non-Steroidal Anti-Inflammatory Drugs; US, United States

Boldface indicates statistical significance ( \*  $p < 0.05$ , \*\*  $p < 0.001$ )

<sup>a</sup>Association remains significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>b</sup>Association is no longer significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>c</sup>Association is significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease,  $p < 0.05$

Supplementary Table 4

	Age Category					
	20-39		40-59		60+	
	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI
	n = 4,159		n = 4,001		n = 4,515	
Race						
NH White	ref		ref		ref	
NH African American	0.449	0.329, 0.613	<b>0.472<sup>b</sup></b>	0.366, 0.609	0.572	0.427, 0.767
Mexican American	<b>0.313<sup>*,a</sup></b>	0.203, 0.482	<b>0.395<sup>*,a</sup></b>	0.301, 0.518	0.533	0.396, 0.716
Other Hispanic	0.652	0.419, 1.015	0.693	0.462, 1.039	0.626	0.384, 1.019
Other	0.638	0.346, 1.175	0.653	0.384, 1.108	0.559	0.352, 0.889
Gender						
Male	ref		ref		ref	
Female	<b>1.736<sup>**,a</sup></b>	1.360, 2.216	1.146	0.920, 1.427	0.875	0.713, 1.074
Education						
< HS	ref		ref		ref	
Completed HS	0.767	0.500, 1.175	1.335	0.914, 1.948	1.022	0.801, 1.304
Some college or more	0.763	0.520, 1.120	<b>1.513<sup>*,a</sup></b>	1.032, 2.217	1.248	0.966, 1.613
BMI						
< 25	ref		ref		ref	
25 < 30	1.096	0.735, 1.634	1.179	0.869, 1.600	0.995	0.793, 1.249
> 30 < 35	1.488	0.766, 2.892	1.071	0.759, 1.512	1.135	0.867, 1.488
≥ 35	1.185	0.622, 2.257	1.305	0.857, 1.988	1.343	0.918, 1.965
Poverty to Income Ratio						
≤ 1.3	ref		ref		ref	
> 1.3 ≤ 3.5	1.378	1.082, 1.755	0.851	0.632, 1.145	<b>1.430<sup>*,b</sup></b>	1.091, 1.873
> 3.5	<b>1.763<sup>*,a</sup></b>	1.188, 2.617	0.952	0.662, 1.369	1.304	0.971, 1.752
Alcohol Use						
0 drinks/day	ref		ref		ref	
1-2 drinks/day	1.112	0.804, 1.538	1.172	0.882, 1.557	1.135	0.950, 1.356
>=3 drinks/day	0.920	0.592, 1.430	0.889	0.664, 1.191	1.224	0.948, 1.581
Smoking Status						
Never	ref		ref		ref	
Former	1.099	0.740, 1.632	<b>1.377<sup>*,a</sup></b>	1.063, 1.784	<b>1.299<sup>**,a</sup></b>	1.057, 1.597
Current	0.943	0.673, 1.323	1.093	0.804, 1.485	<b>0.861<sup>*,b</sup></b>	0.630, 1.177
Physical Activity						
Inactive	ref		ref		ref	
Insufficiently Active	0.893	0.637, 1.251	0.936	0.716, 1.223	1.365	1.089, 1.710
Active	1.039	0.756, 1.427	0.936	0.712, 1.232	1.270	1.054, 1.532
Cancer History						
No	ref		ref		ref	
Yes	1.233	0.554, 2.747	1.086	0.777, 1.520	0.882	0.709, 1.096
Diabetes						
No	ref		ref		ref	
Yes	<b>2.469<sup>*</sup></b>	1.236, 4.932	<b>1.463<sup>*</sup></b>	1.106, 1.936	0.976	0.738, 1.291
Chronic Kidney Disease						
No	ref		ref		ref	
Yes	<b>0.203<sup>*</sup></b>	0.062, 0.664	1.118	0.772, 1.618	1.204	0.953, 1.522
Heart Disease						
No	ref		ref		ref	
Yes	<b>3.408<sup>*</sup></b>	1.502, 7.733	<b>3.642<sup>**</sup></b>	2.158, 6.147	<b>1.838<sup>**</sup></b>	1.401, 2.411
Current Health Status						
Excellent	ref		ref		ref	
Very Good	<b>1.739<sup>**,a</sup></b>	1.269, 2.384	<b>1.735<sup>**,a</sup></b>	1.289, 2.336	1.692	1.268, 2.258
Good	2.090 <sup>c</sup>	1.457, 2.997	2.540	1.883, 3.426	1.773	1.363, 2.306
Fair	<b>4.152<sup>*,a</sup></b>	2.694, 6.399	<b>3.731<sup>**,a</sup></b>	2.599, 5.356	2.012	1.501, 2.697
Poor	<b>9.649<sup>*,a</sup></b>	4.680, 19.897	<b>5.963<sup>**,a</sup></b>	3.505, 10.143	<b>2.837<sup>*,b</sup></b>	1.812, 4.443
Waist Circumference						
≤88cm (females) ≤102 cm (males)	ref		ref		ref	
>88cm (females) >102 cm (males)	1.235	0.739, 2.065	1.200 <sup>c</sup>	0.904, 1.593	<b>1.301<sup>*,b</sup></b>	1.033, 1.640

BMI, Body Mass Index; CI, Confidence Interval; cm, centimeter; HS, High School; NH, Non-Hispanic; NHANES, National Health And Nutrition Examination Survey; NSAIDs, Non-Steroidal Anti-Inflammatory Drugs; US, United States

Boldface indicates statistical significance (<sup>\*</sup> $p < 0.05$ , <sup>\*\*</sup> $p < 0.001$ )

<sup>a</sup>Association remains significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>b</sup>Association is no longer significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>c</sup>Association becomes significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease,  $p < 0.05$

Supplementary Table 5

Table S5, Predictors of Regular NSAID Use in the US, NHANES III (1988-1994), Race/Ethnicity Stratified Multivariate Logistic Regression										
	NH White n = 6,695		NH African American n = 4,534		Mexican American n = 4,325		Other Race n = 244		Other Hispanic n = 405	
	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI
Age										
20-39	ref		ref		ref		ref		ref	
40-59	2.118	1.614, 2.779	1.694	1.265, 2.268	1.447	1.183, 1.769	1.594	0.031, 81.717	2.440	0.674, 8.837
60+	<b>3.725<sup>*,a</sup></b>	2.752, 5.042	<b>2.877<sup>*,a</sup></b>	2.004, 4.130	<b>3.851<sup>*,a</sup></b>	2.777, 5.341	35.296	0.109, >999.999 <sup>e</sup>	2.120	0.548, 8.205
Gender										
Male	ref		ref		ref		ref		ref	
Female	1.081	0.899, 1.304	<b>1.530<sup>*,a</sup></b>	1.168, 2.006	<b>1.447<sup>*,a</sup></b>	1.183, 1.769	>999.999 <sup>e</sup>	0.025, >999.999 <sup>e</sup>	0.873	0.415, 1.835
Education										
< HS	ref		ref		ref		ref		ref	
Completed HS	0.883	0.699, 1.115	1.007	0.740, 1.368	1.185	0.852, 1.647	0.118	0.003, 4.447	0.557	0.156, 1.981
Some college or more	1.007	0.754, 1.346	0.998	0.683, 1.458	1.139	0.775, 1.673	0.769	0.091, 6.483	0.982	0.263, 3.665
BMI										
< 25	ref		ref		ref		ref		ref	
25 < 30	1.273	1.045, 1.552	1.047	0.746, 1.469	0.776	0.492, 1.223	1.330	0.007, 260.127	<b>3.481<sup>*,d</sup></b>	0.768, 15.766
> 30 < 35	1.535	1.176, 2.003	1.254	0.730, 2.154	1.181 <sup>c</sup>	0.757, 1.841	0.319	<.001, 190.749	<b>29.844<sup>*,d</sup></b>	2.567, 347.017
≥ 35	1.646	1.161, 2.334	1.364	0.837, 2.222	0.853	0.493, 1.474	0.116	<.001, 736.306	<b>87.923<sup>*,d</sup></b>	2.979, >999.999 <sup>e</sup>
Poverty to Income Ratio										
≤ 1.3	ref		ref		ref		ref		ref	
> 1.3 ≤ 3.5	1.017	0.791, 1.309	0.964	0.733, 1.268	1.240	1.017, 1.512	<b>0.007<sup>*,d</sup></b>	<.001, 3.693	<b>5.431<sup>*,d</sup></b>	2.309, 12.773
> 3.5	1.149	0.856, 1.542	1.137	0.765, 1.688	1.675	1.122, 2.502	0.016	<.001, 276.323	1.266	0.201, 7.952
Alcohol Use (drinks/day)										
0	ref		ref		ref		ref		ref	
1-2	1.081	0.854, 1.370	1.435	1.033, 1.994	1.161	0.697, 1.933	0.006	<.001, 50.742	0.467	0.078, 2.798
≥ 3	1.069	0.863, 1.323	1.289	0.836, 1.988	0.949	0.726, 1.240	0.230	0.003, 18.744	0.777	0.193, 3.126
Smoking Status										
Never	ref		ref		ref		ref		ref	
Former	1.016	0.855, 1.206	<b>1.334<sup>*,a</sup></b>	1.004, 1.773	<b>1.925<sup>*,a</sup></b>	1.493, 2.481	91.699	0.305, >999.999 <sup>e</sup>	0.319	0.094, 1.077
Current	1.154	0.896, 1.486	1.037	0.750, 1.435	1.463	1.032, 2.073	340.195	0.279, >999.999 <sup>e</sup>	0.726	0.294, 1.795
Physical Activity										
Inactive	ref		ref		ref		ref		ref	
Insufficiently Active	<b>0.670<sup>*,a</sup></b>	0.534, 0.842	1.167	0.840, 1.621	0.918	0.605, 1.395	<b>0.036<sup>*,d</sup></b>	<.001, 13.133	1.480	0.479, 4.579
Active	0.872	0.684, 1.112	1.271	0.975, 1.657	1.281 <sup>b,d</sup>	0.904, 1.817	<b>&lt;.001<sup>*,d</sup></b>	<.001, <.001	1.154	0.322, 4.138
Cancer History										
No	ref		ref		ref		ref		ref	
Yes	0.999	0.788, 1.266	1.392	0.727, 2.668	1.697	0.872, 3.302	0.149	<.001, >999.999 <sup>e</sup>	0.747	0.104, 5.384
Diabetes History										
No	ref		ref		ref		ref		ref	
Yes	1.298	0.900, 1.872	0.952	0.692, 1.310	1.179	0.817, 1.702	4.592	0.016, >999.999 <sup>e</sup>	<b>6.266<sup>*,d</sup></b>	1.579, 24.864
Chronic Kidney Disease										
No	ref		ref		ref		ref		ref	
Yes	1.101	0.874, 1.388	1.531	0.844, 2.778	0.854	0.463, 1.575	<b>&gt;999.999<sup>*,e</sup></b>	1.680, >999.999 <sup>e</sup>	0.637	0.089, 4.564
Heart Disease										
No	ref		ref		ref		ref		ref	
Yes	<b>2.597<sup>**</sup></b>	2.063, 3.269	<b>2.509<sup>**</sup></b>	1.724, 3.653	1.903	0.991, 3.654	<b>&gt;999.999<sup>*,e</sup></b>	>999.999 <sup>e</sup> , >999.999 <sup>e</sup>	1.227	0.276, 5.446

Current Health Status										
Excellent	ref		ref		ref		ref		ref	
Very Good	1.382	1.050, 1.818	<b>1.171</b> <sup>*,a</sup>	0.726, 1.887	1.573	0.833, 2.973	<b>2.269</b> <sup>*,d</sup>	0.180, 28.536	1.862	0.373, 9.285
Good	1.589	1.266, 1.994	1.724	1.124, 2.643	1.743 <sup>c</sup>	0.999, 3.041	<b>2.335</b> <sup>*,d</sup>	0.272, 20.075	1.667	0.286, 9.727
Fair	<b>2.048</b> <sup>*,a</sup>	1.540, 2.725	<b>2.613</b> <sup>*,b</sup>	1.620, 4.216	2.330	1.358, 3.997	<b>18.925</b> <sup>*,d</sup>	0.254, >999.999 <sup>e</sup>	3.397	0.456, 25.300
Poor	1.939 <sup>c</sup>	1.275, 2.948	<b>4.849</b> <sup>*,a</sup>	2.849, 8.252	<b>5.100</b> <sup>*,a</sup>	2.861, 9.090	<b>&lt;.001</b> <sup>*,d</sup>	<.001, <.001	<b>121.606</b> <sup>*,d</sup>	10.481, >999.999 <sup>e</sup>
Waist Circumference										
≤88cm (females) ≤102 cm (males)	ref		ref		ref		ref		ref	
>88cm (females) >102 cm (males)	1.022	0.852, 1.228	1.070	0.689, 1.660	<b>1.361</b> <sup>*,b</sup>	1.027, 1.803	0.011	<.001, 29.035	0.363	0.102, 1.298

BMI, Body Mass Index; CI, Confidence Interval; cm, centimeter; HS, High School; NH, Non-Hispanic; NHANES, National Health And Nutrition Examination Survey; NSAIDs, Non-Steroidal Anti-Inflammatory Drugs

Boldface indicates statistical significance (\* $p < 0.05$ , \*\* $p < 0.001$ )

<sup>a</sup>Association remains significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>b</sup>Association is no longer significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>c</sup>Association becomes significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease,  $P < 0.05$

<sup>d</sup>Association cannot be assessed after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease, as the model no longer converges

<sup>e</sup>Values reported as >999.999 may be incalculable due to the small sample size

Supplementary Table 6

<b>Table S6, Predictors of Regular NSAID Use in the US, NHANES 1999-2004, Race/Ethnicity Stratified Multivariate Logistic Regression</b>											
	<b>NH White</b> n = 6,316		<b>NH African American</b> n = 2,541		<b>Mexican American</b> n = 2,892		<b>Other Race</b> n = 361		<b>Other Hispanic</b> n = 565		
	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI	Odds Ratio	95% CI	
Age											
20-39	ref		ref		ref		ref		ref		
40-59	2.044	1.626, 2.570	2.145	1.535, 2.998	2.199	1.488, 3.250	1.997	0.878, 4.540	2.097	1.029, 4.274	
60+	<b>3.904</b> <sup>**a</sup>	3.081, 4.945	<b>4.446</b> <sup>**a</sup>	3.003, 6.584	<b>5.117</b> <sup>**a</sup>	3.446, 7.598	<b>4.366</b> <sup>**b</sup>	1.492, 12.772	3.077	0.987, 9.587	
Sex											
Male	ref		ref		ref		ref		ref		
Female	1.108	0.974, 1.260	<b>1.809</b> <sup>*a</sup>	1.255, 2.609	<b>1.893</b> <sup>*a</sup>	1.253, 2.860	1.881	0.716, 4.941	0.842	0.411, 1.722	
Education											
< HS	ref		ref		ref		ref		ref		
Completed HS	0.969	0.769, 1.221	1.616	1.086, 2.403	1.413	0.996, 2.004	1.320	0.447, 3.896	1.078	0.523, 2.219	
Some college or more	1.102	0.872, 1.392	1.288	0.974, 1.703	1.532	0.961, 2.442	0.738	0.218, 2.496	<b>2.579</b> <sup>*a</sup>	1.156, 5.753	
BMI											
< 25	ref		ref		ref		ref		ref		
25 < 30	1.093	0.900, 1.327	1.227	0.857, 1.757	<b>0.922</b> <sup>**a</sup>	0.653, 1.302	0.657	0.252, 1.716	1.594	0.817, 3.112	
> 30 < 35	1.144	0.881, 1.486	1.127	0.599, 2.121	1.359	0.700, 2.639	1.282	0.341, 4.812	2.428	0.753, 7.823	
≥ 35	1.279	0.972, 1.684	1.225	0.642, 2.338	<b>1.878</b> <sup>*a</sup>	1.117, 3.157	0.564	0.178, 1.780	2.465	0.750, 8.106	
Poverty to Income Ratio											
≤ 1.3	ref		ref		ref		ref		ref		
> 1.3 ≤ 3.5	1.260	0.999, 1.588	0.928	0.626, 1.375	1.059	0.663, 1.692	1.189	0.361, 3.914	1.182	0.712, 1.961	
> 3.5	1.305	1.001, 1.701	1.197	0.788, 1.819	1.422	0.838, 2.410	1.856	0.474, 7.263	0.783	0.319, 1.925	
Alcohol Use (drinks/day)											
0	ref		ref		ref		ref		ref		
1-2	1.172	0.957, 1.435	<b>1.250</b> <sup>*b</sup>	0.917, 1.703	1.089	0.731, 1.624	1.057	0.331, 3.370	<b>1.848</b> <sup>*a</sup>	0.922, 3.702	
≥ 3	1.008	0.770, 1.320	0.958	0.610, 1.506	1.024	0.645, 1.626	1.534	0.423, 5.568	<b>0.783</b> <sup>*a</sup>	0.319, 1.925	
Smoking Status											
Never	ref		ref		ref		ref		ref		
Former	<b>1.301</b> <sup>*a</sup>	1.099, 1.540	1.360	0.932, 1.985	1.358	0.960, 1.920	2.755	1.115, 6.807	1.817 <sup>c</sup>	0.897, 3.681	
Current	1.017	0.799, 1.296	0.980	0.752, 1.278	1.306	0.890, 1.917	1.962	0.789, 4.879	1.153	0.589, 2.256	
Physical Activity											
Inactive	ref		ref		ref		ref		ref		
Insufficiently Active	1.049	0.880, 1.250	1.420	0.923, 2.184	0.926	0.625, 1.370	0.819	0.311, 2.155	0.512	0.193, 1.356	
Active	1.074	0.927, 1.244	1.271	0.858, 1.883	1.134	0.739, 1.742	0.801	0.265, 2.426	0.694	0.242, 1.992	
Cancer History											
No	ref		ref		ref		ref		ref		
Yes	0.987	0.786, 1.241	0.892	0.509, 1.563	1.490	0.874, 2.541	0.707	0.132, 3.790	2.643	0.587, 11.904	
Diabetes History											
No	ref		ref		ref		ref		ref		
Yes	1.260	0.938, 1.693	1.076	0.741, 1.562	1.352	0.941, 1.945	1.257	0.570, 2.771	1.199	0.625, 2.302	
Chronic Kidney Disease											
No	ref		ref		ref		ref		ref		
Yes	1.083	0.875, 1.342	0.802	0.475, 1.351	0.944	0.524, 1.699	0.446	0.086, 2.318	0.593	0.101, 3.496	
Heart Disease											
No	ref		ref		ref		ref		ref		



Yes	<b>2.268</b> **	1.708, 3.010	<b>2.281</b> *	1.390, 3.741	<b>2.986</b> **	1.831, 4.870	<b>10.297</b> **	2.787, 38.043	1.874	0.580, 6.055
Current Health Status										
Excellent	ref		ref		ref		ref		ref	
Very Good	<b>1.692</b> ** <sup>a</sup>	1.384, 2.068	<b>1.352</b> * <sup>a</sup>	0.787, 2.325	1.118 <sup>d</sup>	0.665, 1.881	5.471	1.051, 28.489	2.847	0.671, 12.088
Good	2.217	1.798, 2.734	1.619	0.929, 2.821	1.092 <sup>c</sup>	0.694, 1.719	6.446	1.718, 24.192	3.583	1.016, 12.631
Fair	<b>3.055</b> ** <sup>a</sup>	2.411, 3.872	2.471	1.439, 4.244	1.617	0.899, 2.909	7.971	1.379, 46.056	<b>9.933</b> ** <sup>b</sup>	3.145, 31.370
Poor	<b>5.249</b> ** <sup>a</sup>	3.437, 8.018	<b>4.469</b> * <sup>a</sup>	1.992, 10.026	<b>3.303</b> ** <sup>a</sup>	1.651, 6.607	1.898	0.139, 25.864	7.396	1.028, 53.221
Waist Circumference										
≤88cm (females)	ref		ref		ref		ref		ref	
≤102 cm (males)										
>88cm (females)	<b>1.235</b> * <sup>a</sup>	1.015, 1.503	1.201	0.707, 2.042	1.073	0.816, 1.411	<b>5.193</b> * <sup>a</sup>	1.642, 16.420	0.824	0.378, 1.793
>102 cm (males)										

BMI, Body Mass Index; CI, Confidence Interval; cm, centimeter; HS, High School; NH, Non-Hispanic; NHANES, National Health And Nutrition Examination Survey; NSAIDs, Non-Steroidal Anti-Inflammatory Drugs; US, United States

Boldface indicates statistical significance (\* $p < 0.05$ , \*\* $p < 0.001$ )

<sup>a</sup>Association remains significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>b</sup>Association is no longer significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease

<sup>c</sup>Association becomes significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease,  $p < 0.05$

<sup>d</sup>Association becomes significant after removing participants with Cancer History, Diabetes, Chronic Kidney Disease or Heart Disease, Odds Ratio: 0.956<sup>†</sup>, 95% CI: 0.554, 1.648