

Supplementary Table 1

	Age	Gender	UCSFOCPQ 1	UCSFOCPQ 2	UCSFOCPQ 3	UCSFOCPQ 4
Random Subject ID						
AA3665	70	F	27	97	11	99
AA7631	66	F	10	20	3	19
AA3177	47	F	12	79	5	93
AA1835	73	M	15	51	23	66
AA6066	87	M	10	71	21	73
AA2647	36	F	59	72	61	76
AA6499	58	M	7	83	9	75
AA9542	83	F	10	57	13	57
AA8350	42	F	11	54	11	63
AA6690	66	M	2	5	1	1
AA5505	77	M	2	1	1	1
AA7174	64	M	1	1	2	2
AA0738	49	F	13	29	7	23
AA7571	50	M	33	54	25	63
AA6851	52	F	59	100	23	100
AA5062	80	F	1	62	2	19
AA9931	60	F	0	0	0	0
AA0164	69	F	0	45	0	30
AA6968	41	M	0	43	0	0
AA3962	66	F	2	19	2	4
AA7296	58	M	0	0	0	0
AA2274	64	M	15	14	0	0
AA2149	68	F	29	75	40	83
AA6907	78	M	15	47	41	55
AA8638	27	M	53	53	40	48
AA8294	92	M	3	71	5	52
AA6848	83	M	0	0	0	0
AA1037	78	M	0	0	0	0
AA3577	54	F	0	78	14	17
AA7376	80	M	48	80	53	53

UCSFOCPQ	UCSFOCPQ	UCSFOCPQ	UCSFOCPQ	UCSFOCPQ	Nodal Status	Tumor Stage
5	6	7	8	average		
4	98	96	97	66.125	N+	pT4a
37	11	34	4	17.25	N0	pT2
15	85	88	75	56.5	N+	pT1
28	31	85	89	48.5	N0	pT4a
53	35	9	89	45.125	N0	cT2
56	56	80	58	64.75	N0	pT3
11	84	77	75	52.625	N+	pT2
8	41	93	92	46.375	N0	pT1
15	43	77	42	39.5	N+	pT1
1	4	16	4	4.25	N0	pT1
1	1	1	1	1.125	N0	pT1
2	2	9	0	2.375	N0	pT1
10	14	33	31	20	N0	pT3
13	66	54	74	47.75	N+	pT2
69	86	100	96	79.125	N+	pT2
2	6	77	80	31.125	N0	cT1
0	0	0	0	0	N+	pT4a
0	0	65	64	25.5	N0	pT2
0	12	72	0	15.875	N0	pT2
1	19	15	50	14	N0	pT1
0	0	9	0	1.125	N0	pT1
16	15	16	17	11.625	N0	pT1
43	85	71	56	60.25	N+	pT3
2	5	56	20	30.125	N0	pT1
31	48	19	56	43.5	N+	pT4
24	16	90	88	43.625	N+	pT4a
0	0	58	0	7.25	N0	pT4
0	0	0	0	0	Nx	pT2
17	55	7	65	31.625	N+	pT4
64	66	80	95	67.375		

Stage	PNI	DOI	BPI Average Pain Intensity (0-10 scale)	BPI Worst Pain Intensity (0-10 scale)	BPI Number of Hours Pain Lasts on Days with Pain (0- 24 hours)
4	Yes	N/A	7	9	12
2	No	N/A	2	5	1
3	No	N/A	2	8	10
4	Yes	N/A	6	8	9
2	No	4.5 mm	5	9	18
3	No	N/A	7	9	N/A
3	No	6 mm	5	10	2
1	No	2 mm	6	9	1.5
3	Yes	0.5 mm	5	8	12
1	No	0.7 mm	0	0	2
1	Yes	2 mm	1	6	5
1	No	4 mm	1	3	0
3	Yes	N/A	1	3	1
3	Yes	10 mm	5	9	6
3	Yes	20 mm	10	10	24
1	No	3 mm	4	9	1
4	No	5.5 mm	1	2	1
2	No	9 mm	5	8	4
2	No	7 mm	5	7	12
1	No	4 mm	2	3	3
1	No	2 mm	0	0	0
1	No	1.5 mm	2	4	2
3	Yes	11 mm	5	7	1
1	No	N/A	3	8	12
4	Yes	24 mm	2	0	1
4	No	25 mm	5	7	24
4	Yes	7 mm	0	0	0
2	No	4.5 mm	0	0	0
4	No	10 mm	7	8	24
			7	10	24

BPI Number of Days Pain Interferes with Mood and/or Activities (0- 7)	BPI Relief from Pain Medication in Past Week (0- 100%)	BPI Overall Satisfaction with Pain Treatment (0- 10)	General activity	Normal work	Walking ability
7	80	7	8	7	1
1	100	10	1	0	0
3	80	6	1	4	4
7	40	5	9	6	9
7	0	3	0	0	0
0	70	8	6	0	0
5	90	9	8	2	2
2	60	8	3	3	4
7	N/A	3	4	4	0
1	90	9	4	3	0
0	N/A	N/A	0	0	0
0	N/A	N/A	0	0	0
1	90	10	1	0	0
7	10	7	3	0	0
7	0	0	9	3	0
7	70	9	9	2	0
0	N/A	N/A	0	0	0
7	0	5	4	7	7
5	N/A	N/A	0	5	0
0	100	10	0	0	0
0	100	10	0	0	0
1	70	7	1	0	0
7	100	9	5	3	0
0	80	5	1	0	0
7	N/A	5	5	5	5
7	70	7	6	9	8
0	N/A	N/A	0	0	0
0	N/A	N/A	0	0	0
7	90	10	10	6	0
7	N/A	N/A	0	0	0

Sexual ability	Mood	Relations w/ others	Enjoyment of life	Sleep	BPI average pain score
10	10	8	10	10	7.89
N/A	5	5	9	9	3.88
N/A	7	4	N/A	9	4.43
1	8	5	3	9	6.22
0	0	0	0	0	0.56
0	5	0	5	6	3.22
8	8	4	8	8	5.89
N/A	2	0	1	6	3.13
4	4	2	2	0	2.78
2	5	3	2	0	2.11
0	0	0	0	1	0.22
0	0	0	0	0	0.11
5	1	2	1	0	1.22
4	6	4	4	0	2.89
N/A	10	9	9	9	7.38
0	7	0	8	3	3.67
0	0	0	0	0	0.11
0	3	0	8	0	3.78
0	5	0	3	0	2.00
0	0	0	0	0	0.22
0	0	0	0	0	0.00
0	0	0	1	0	0.44
0	4	0	0	0	1.89
2	3	1	2	0	1.33
5	10	5	6	7	5.56
10	8	10	10	0	7.33
0	0	0	0	0	0.00
0	0	0	0	0	0.00
9	10	2	9	7	6.67
1	0	0	5	6	2.11

BPI Occurrence of Pain (0= No; 1= Yes)	BPI Pain Related to Cancer (0= No; 1= Yes)	BPI Pain NOT Related to Cancer (0= No; 1= Yes)	BPI Both Cancer and Non-Cancer Related Pain (0= No; 1= Yes)		
				Aching	Throbbing
1	1	0	0	1	1
1	1	0	0	0	1
1	1	1	1	0	0
1	1	N/A	N/A	1	1
1	1	0	0	1	1
1	1	0	0	1	1
1	1	1	1	1	1
1	1	1	1	0	0
1	1	1	1	1	1
1	0	1	0	1	0
0	0	0	0	1	0
1	1	0	0	0	0
1	1	1	1	0	0
1	1	1	1	1	0
1	1	0	0	1	0
1	1	0	0	0	0
0	0	0	0	0	0
1	1	1	1	1	0
1	1	0	0	0	0
1	1	1	1	0	0
0	0	0	0	0	1
1	1	0	0	1	0
1	1	0	0	1	0
1	1	1	1	0	1
1	1	0	0	1	1
1	1	0	0	1	1
0	0	0	0	0	0
0	0	0	0	0	0
1	1	0	0	1	1
1	1	1	1	1	0

Shooting	Stabbing	Gnawing	Sharp	Tender	Burning	Exhausting
1	1	0	1	0	0	1
0	0	1	1	1	1	0
0	0	0	0	0	0	0
0	0	0	1	0	1	1
0	1	0	0	1	1	0
1	0	0	1	1	0	0
0	0	0	1	1	0	0
1	1	0	1	0	0	0
1	1	1	1	1	1	1
0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	1	1	1	0	0
0	0	0	0	0	1	0
1	1	0	1	1	0	1
1	0	0	1	1	0	1
0	0	0	0	0	0	0
0	0	1	1	0	0	0
0	0	1	0	1	1	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	0
1	0	1	1	1	1	0
0	1	0	1	1	0	0
0	0	0	1	1	0	0
0	1	1	1	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	1
0	0	1	1	1	1	1

Tiring	Penetrating	Nagging	Numb	Miserable	Unbearable
1	0	0	0	0	1
1	1	1	0	1	0
0	0	0	0	0	0
1	1	1	1	1	1
0	0	1	0	0	0
0	0	1	1	1	0
0	0	0	0	0	1
0	1	0	0	0	0
1	1	1	1	1	0
1	0	1	0	0	0
0	0	1	0	0	0
0	0	1	0	0	0
0	0	1	0	0	0
0	1	0	0	0	0
1	0	1	0	1	1
1	0	0	0	1	0
0	0	0	0	0	0
1	1	1	0	1	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	1	0	0	0
0	1	0	0	1	0
0	1	1	0	0	0
0	0	0	0	1	0
1	1	1	0	1	0
0	0	0	1	0	0
0	0	0	0	0	0
1	0	1	0	1	1
0	1	1	0	1	1

Supplementary Table 2. Pearson r

	Age	Gender	UCSFOCPQ 1
Age	1	-0.224459186	-0.404331747
Gender	-0.224459186	1	0.107183441
UCSFOCPQ 1	-0.404331747	0.107183441	1
UCSFOCPQ 2	-0.117589476	0.318690917	0.55084698
UCSFOCPQ 3	-0.202510626	-0.002883998	0.8205508
UCSFOCPQ 4	-0.121410714	0.265674648	0.628229786
UCSFOCPQ 5	-0.102047134	0.106933281	0.765229302
UCSFOCPQ 6	-0.305934082	0.292907995	0.637299185
UCSFOCPQ 7	0.015875554	0.276652534	0.388474091
UCSFOCPQ 8	0.106814743	0.272303236	0.461550008
UCSFOCPQ average	-0.139611371	0.278632006	0.734618721
Nodal Status	-0.330415901	0.219381727	0.340580364
Tumor stage	-0.1303231	0.200594355	0.270029832
Stage	-0.392281991	0.242857143	0.477458321
PNI	-0.196771704	0.025031309	0.451965457
DOI	-0.198189784	-0.023566449	0.60970884
BPI Average Pain Intensity over 24 hours (0-10 scale)	-0.065662816	0.310847111	0.543755885
BPI Worst Pain Intensity (0-10 scale)	0.077038146	0.280214924	0.325623025
BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	0.099046609	0.002049385	0.34076869
BPI Number of Days Pain Interferes with Mood and/or Activities (0-7)	-0.051769144	0.098491955	0.32057522
BPI Relief from Pain Medication in Past Week (0-100%)	-0.114611661	0.128797928	-0.322584761
BPI Overall Satisfaction with Pain Treatment (0-10)	0.060145199	0.113877312	-0.429644484
General activity	-0.126193635	0.301290753	0.297480491
Normal work	-0.054288965	0.168429695	-0.017799569
Walking ability	0.129628965	-0.068551062	-0.020997783
Sexual ability	-0.113479022	0.10672027	0.097334282
Mood	-0.345122995	0.212918602	0.360603204
Relations w/ others	-0.092730537	0.049038244	0.323876269
Enjoyment of life	-0.098184147	0.276486253	0.28630278
Sleep	-0.205274884	0.298634979	0.462874142
BPI Physical interferences average	-0.064028272	0.173404301	0.138828656
BPI Psychological interferences average	-0.225705423	0.256339996	0.411429059
BPI Average pain score	-0.15984966	0.258851555	0.357761141
BPI Occurrence of Pain (0= No; 1= Yes)	-0.205726302	0.239045722	0.349654521
BPI Pain Related to Cancer (0= No; 1= Yes)	-0.202576733	0.300668897	0.383567038
BPI Pain NOT Related to Cancer (0= No; 1= Yes)	-0.052616552	0.098081648	-0.027259783
BPI Both Cancer and Non-Cancer Related Pain (0= No; 1= Yes)	-0.064518056	0.170212899	0.021583479

UCSFOCPQ 2	UCSFOCPQ 3	UCSFOCPQ 4	UCSFOCPQ 5	UCSFOCPQ 6	UCSFOCPQ 7	UCSFOCPQ 8
-0.117589476	-0.202510626	-0.121410714	-0.102047134	-0.305934082	0.015875554	0.106814743
0.318690917	-0.002883998	0.265674648	0.106933281	0.292907995	0.276652534	0.272303236
0.55084698	0.8205508	0.628229786	0.765229302	0.637299185	0.388474091	0.461550008
1	0.534903721	0.867340257	0.578317008	0.835209905	0.721153589	0.875537608
0.534903721	1	0.582663507	0.70145569	0.509024742	0.325023154	0.428465845
0.867340257	0.582663507	1	0.584809766	0.847806373	0.712844335	0.785144732
0.578317008	0.70145569	0.584809766	1	0.537602696	0.314740765	0.509934984
0.835209905	0.509024742	0.847806373	0.537602696	1	0.560618915	0.703683317
0.721153589	0.325023154	0.712844335	0.314740765	0.560618915	1	0.654103527
0.875537608	0.428465845	0.785144732	0.509934984	0.703683317	0.654103527	1
0.940269399	0.675473005	0.937545642	0.702479209	0.875354583	0.761858217	0.867624864
0.565365878	0.193550795	0.536616614	0.236307762	0.702000681	0.273432199	0.421299157
0.468958165	0.194444669	0.352811888	0.378519719	0.362796619	0.313238352	0.383374749
0.507845652	0.388088834	0.555165158	0.358209256	0.633559336	0.415474183	0.418589814
0.165322266	0.264256848	0.334751954	0.212861369	0.354378073	0.229371477	0.173434739
0.521364586	0.542727117	0.464341497	0.555335865	0.39657181	0.33153327	0.457592787
0.866843756	0.513926293	0.708225768	0.605302861	0.674910342	0.683559208	0.789784024
0.816522673	0.400287286	0.704579611	0.43317336	0.598710102	0.688484071	0.742209789
0.655214162	0.39492579	0.456117882	0.567904328	0.406831386	0.36587059	0.544385167
0.759166077	0.284257199	0.577131486	0.411049126	0.560637936	0.506857183	0.746030828
-0.319359629	-0.147986652	-0.362551063	-0.363774704	-0.093520953	-0.235155626	-0.526726762
-0.421884063	-0.266348069	-0.56304677	-0.455881392	-0.236991078	-0.348658984	-0.404608365
0.657743658	0.229988711	0.502777241	0.253360465	0.50466582	0.494840922	0.622415328
0.500532681	-0.064659424	0.34247307	-0.014952474	0.280077817	0.479678876	0.469955077
0.241405899	-0.002012957	0.279707058	0.012256887	0.042226547	0.383621655	0.443232836
0.561236655	0.019930098	0.435846075	0.006976819	0.519647068	0.304099687	0.474546324
0.687471873	0.213713728	0.558454816	0.239704543	0.583450407	0.510398148	0.545491935
0.486424553	0.039104346	0.524374612	0.279907486	0.449435663	0.434409859	0.45515506
0.652998369	0.122365839	0.42308085	0.284114999	0.432302292	0.502994302	0.547960663
0.594262581	0.297121825	0.56471	0.43057308	0.641696185	0.46231667	0.542013762
0.63174308	0.075976302	0.500388763	0.097510911	0.443076962	0.527399045	0.641280383
0.701904283	0.196917414	0.598652453	0.354526872	0.614866426	0.552821673	0.604879304
0.754326657	0.199628514	0.624642512	0.323155675	0.604216043	0.607723112	0.692649191
0.634401604	0.357113045	0.507942638	0.374529039	0.457173093	0.468793583	0.578577749
0.696719618	0.395340547	0.565948945	0.415496457	0.50120503	0.518298127	0.638165252
0.120990232	0.078826714	0.201207777	-0.162907917	0.143559951	0.253573701	0.231752376
0.213555231	0.132999583	0.283651156	-0.110347811	0.211110723	0.327369445	0.320515797

UCSFOCPQ average	Nodal Status	Tumor stage	Stage	PNI	DOI	BPI Average Pain Intensity over 24 hours (0-10 scale)
-0.139611371	-0.330415901	-0.210469617	-0.392281991	-0.196771704	-0.198189784	-0.065662816
0.278632006	0.219381727	0.209656967	0.242857143	0.025031309	-0.023566449	0.310847111
0.734618721	0.340580364	0.300790745	0.477458321	0.451965457	0.60970884	0.543755885
0.940269399	0.565365878	0.450052646	0.507845652	0.165322266	0.521364586	0.866843756
0.675473005	0.193550795	0.203367247	0.388088834	0.264256848	0.542727117	0.513926293
0.937545642	0.536616614	0.356175306	0.555165158	0.334751954	0.464341497	0.708225768
0.702479209	0.236307762	0.38441233	0.358209256	0.212861369	0.555335865	0.605302861
0.875354583	0.702000681	0.391324374	0.633559336	0.354378073	0.39657181	0.674910342
0.761858217	0.273432199	0.338619004	0.415474183	0.229371477	0.33153327	0.683559208
0.867624864	0.421299157	0.350978243	0.418589814	0.173434739	0.457592787	0.789784024
1	0.535454125	0.422621703	0.58037563	0.31897621	0.553757531	0.837875216
0.535454125	1	0.459446738	0.748855336	0.316133804	0.600238041	0.377271036
0.427685688	0.39704478	1	0.54520517	0.173036183	0.582427363	0.352824752
0.58037563	0.748855336	0.632455532	1	0.555695053	0.591345974	0.378035747
0.31897621	0.316133804	0.216930458	0.555695053	1	0.318395865	0.171707198
0.553757531	0.600238041	0.650654757	0.591345974	0.318395865	1	0.412237005
0.837875216	0.377271036	0.343071311	0.378035747	0.171707198	0.412237005	1
0.756840609	0.257192945	0.213497998	0.21330557	0.036523019	0.112879881	0.850127664
0.570846679	0.393762804	0.226478281	0.305081286	0.035758166	0.481947742	0.711399361
0.671158858	0.548083559	0.46934699	0.40917845	0.332732376	0.548329897	0.71069132
-0.378324731	-0.02734405	-0.2909805	-0.02259967	-0.238091165	-0.294606133	-0.525260116
-0.504463738	-0.246493929	-0.078086881	-0.184510075	-0.357082138	-0.348720998	-0.475317953
0.579906811	0.442751007	0.399808138	0.4951888	0.218577902	0.451513528	0.651035154
0.366083004	0.427476739	0.35018038	0.339050742	0.112660084	0.59362944	0.450957336
0.25539797	0.11760095	0.271652684	0.21791981	0.033272127	0.573959755	0.195622685
0.427409674	0.685627793	0.337025804	0.580989067	0.180438435	0.587942208	0.391862593
0.599629142	0.602486941	0.523224864	0.5444337	0.227142493	0.666701142	0.559484817
0.489722295	0.56655185	0.405510688	0.515912451	0.320306977	0.786117934	0.376961698
0.529209325	0.428278106	0.534333922	0.319636016	-0.02165842	0.623822455	0.590158431
0.623843791	0.322522835	0.400320385	0.388629291	0.133357832	0.390682972	0.511324912
0.527635737	0.537828351	0.410370144	0.524965997	0.184967173	0.661363076	0.546415444
0.650203306	0.54247544	0.529102329	0.500325509	0.170426227	0.706608288	0.581863994
0.680830871	0.567032604	0.505472032	0.534176921	0.194218717	0.704649808	0.674597299
0.585413036	0.119416287	0.067419986	0.107089934	-0.052981294	0.252260442	0.562781679
0.6461285	0.184117064	0.188982237	0.1879753	0.012351328	0.336473134	0.64192034
0.159243529	-0.011562432	-0.255654996	0	-0.034199278	-0.278259777	0.031661803
0.247763248	0.053300179	-0.150326797	0.076471911	0.01754386	-0.191906359	0.132137874

BPI Worst Pain Intensity (0-10 scale)	BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	BPI Number of Days Pain Interferes with Mood and/or Activities (0-7)	BPI Relief from Pain Medication in Past Week (0-100%)	BPI Overall Satisfaction with Pain Treatment (0-10)	General activity
0.077038146	0.099046609	-0.051769144	-0.114611661	0.060145199	-0.126193635
0.280214924	0.002049385	0.098491955	0.128797928	0.113877312	0.301290753
0.325623025	0.34076869	0.32057522	-0.322584761	-0.429644484	0.297480491
0.816522673	0.655214162	0.759166077	-0.319359629	-0.421884063	0.657743658
0.400287286	0.39492579	0.284257199	-0.147986652	-0.266348069	0.229988711
0.704579611	0.456117882	0.577131486	-0.362551063	-0.56304677	0.502777241
0.43317336	0.567904328	0.411049126	-0.363774704	-0.455881392	0.253360465
0.598710102	0.406831386	0.560637936	-0.093520953	-0.236991078	0.50466582
0.688484071	0.36587059	0.506857183	-0.235155626	-0.348658984	0.494840922
0.742209789	0.544385167	0.746030828	-0.526726762	-0.404608365	0.622415328
0.756840609	0.570846679	0.671158858	-0.378324731	-0.504463738	0.579906811
0.257192945	0.393762804	0.548083559	-0.02734405	-0.246493929	0.442751007
0.249158266	0.230273914	0.494868599	-0.317454887	-0.096286294	0.383130273
0.21330557	0.305081286	0.40917845	-0.02259967	-0.184510075	0.4951888
0.036523019	0.035758166	0.332732376	-0.238091165	-0.357082138	0.218577902
0.112879881	0.481947742	0.548329897	-0.294606133	-0.348720998	0.451513528
0.850127664	0.711399361	0.71069132	-0.525260116	-0.475317953	0.651035154
1	0.591402392	0.600308211	-0.508701976	-0.377730895	0.477419915
0.591402392	1	0.56794071	-0.375225823	-0.522726631	0.32042491
0.600308211	0.56794071	1	-0.538534014	-0.461086764	0.624076107
-0.508701976	-0.375225823	-0.538534014	1	0.806652963	-0.126722491
-0.377730895	-0.522726631	-0.461086764	0.806652963	1	-0.126836136
0.477419915	0.32042491	0.624076107	-0.126722491	-0.126836136	1
0.291239211	0.412875036	0.651848937	-0.138694379	-0.231801719	0.615369069
0.157390122	0.120172866	0.378096775	-0.280401132	-0.229403796	0.345973716
0.272641429	0.453858856	0.4449055	0.21150261	0.090649483	0.585144575
0.413936188	0.381286413	0.632274757	-0.07821014	-0.206111994	0.842587575
0.229833451	0.435435404	0.443140804	-0.134729411	-0.31828467	0.548505251
0.495390477	0.462448144	0.581008781	-0.125991098	-0.086435491	0.709815337
0.429366353	0.278581431	0.318354017	0.030887361	-0.105297326	0.559131355
0.395352258	0.412197592	0.663257637	-0.126627741	-0.181315775	0.820369989
0.460844095	0.440116593	0.561110251	-0.080228464	-0.20087364	0.756277705
0.521392675	0.500852786	0.670958851	-0.165562302	-0.254398808	0.841353384
0.566124349	0.342471226	0.51796977	-0.221356802	-0.238275487	0.431504577
0.671599471	0.374888437	0.552784726	-0.273680019	-0.286573212	0.383980297
0.226973193	-0.02154133	0.020953363	-0.021862428	0.02177423	-0.103457811
0.354368238	0.025321742	0.080014214	-0.088805604	-0.042528123	-0.126276907

Normal work	Walking ability	Sexual ability	Mood	Relations w/ others	Enjoyment of life	Sleep
-0.054288965	0.129628965	-0.113479022	-0.345122995	-0.092730537	-0.098184147	-0.205274884
0.168429695	-0.068551062	0.10672027	0.212918602	0.049038244	0.276486253	0.298634979
-0.017799569	-0.020997783	0.097334282	0.360603204	0.323876269	0.28630278	0.462874142
0.500532681	0.241405899	0.561236655	0.687471873	0.486424553	0.652998369	0.594262581
-0.064659424	-0.002012957	0.019930098	0.213713728	0.039104346	0.122365839	0.297121825
0.34247307	0.279707058	0.435846075	0.558454816	0.524374612	0.42308085	0.56471
-0.014952474	0.012256887	0.006976819	0.239704543	0.279907486	0.284114999	0.43057308
0.280077817	0.042226547	0.519647068	0.583450407	0.449435663	0.432302292	0.641696185
0.479678876	0.383621655	0.304099687	0.510398148	0.434409859	0.502994302	0.46231667
0.469955077	0.443232836	0.474546324	0.545491935	0.45515506	0.547960663	0.542013762
0.366083004	0.25539797	0.427409674	0.599629142	0.489722295	0.529209325	0.623843791
0.427476739	0.11760095	0.685627793	0.602486941	0.56655185	0.428278106	0.322522835
0.314035527	0.238310342	0.281013476	0.487429586	0.352778193	0.507381099	0.371410381
0.339050742	0.21791981	0.580989067	0.5444337	0.515912451	0.319636016	0.388629291
0.112660084	0.033272127	0.180438435	0.227142493	0.320306977	-0.02165842	0.133357832
0.59362944	0.573959755	0.587942208	0.666701142	0.786117934	0.623822455	0.390682972
0.450957336	0.195622685	0.391862593	0.559484817	0.376961698	0.590158431	0.511324912
0.291239211	0.157390122	0.272641429	0.413936188	0.229833451	0.495390477	0.429366353
0.412875036	0.120172866	0.453858856	0.381286413	0.435435404	0.462448144	0.278581431
0.651848937	0.378096775	0.4449055	0.632274757	0.443140804	0.581008781	0.318354017
-0.138694379	-0.280401132	0.21150261	-0.07821014	-0.134729411	-0.125991098	0.030887361
-0.231801719	-0.229403796	0.090649483	-0.206111994	-0.31828467	-0.086435491	-0.105297326
0.615369069	0.345973716	0.585144575	0.842587575	0.548505251	0.709815337	0.559131355
1	0.698874677	0.583200059	0.698896907	0.56881209	0.597266608	0.315137439
0.698874677	1	0.278725513	0.381515554	0.426506009	0.334429073	0.276488979
0.583200059	0.278725513	1	0.711966065	0.8287275	0.708547599	0.482476359
0.698896907	0.381515554	0.711966065	1	0.756862984	0.801944842	0.663480009
0.56881209	0.426506009	0.8287275	0.756862984	1	0.684706401	0.530649032
0.597266608	0.334429073	0.708547599	0.801944842	0.684706401	1	0.646656135
0.315137439	0.276488979	0.482476359	0.663480009	0.530649032	0.646656135	1
0.894128388	0.690832315	0.780282023	0.830872253	0.714985804	0.719268546	0.501771402
0.620504275	0.405944402	0.784407471	0.923454567	0.83328136	0.903444487	0.829796381
0.765362432	0.529721361	0.788207381	0.929152567	0.817246772	0.875233993	0.738374599
0.381308594	0.229415734	0.340510172	0.498381467	0.328226709	0.459347298	0.329221957
0.333638584	0.256494588	0.327916995	0.44208192	0.280960347	0.467136943	0.372463258
-0.024014851	0.168414255	0.107287718	-0.076154327	-0.058178835	-0.07638323	-0.033126475
-0.047144643	0.206986559	0.120434347	-0.099952773	-0.08349173	-0.043619669	0.020966344

BPI		
BPI Physical interferences average	Psychological interferences average	BPI Average pain score
-0.064028272	-0.225705423	-0.15984966
0.173404301	0.256339996	0.258851555
0.138828656	0.411429059	0.357761141
0.63174308	0.701904283	0.754326657
0.075976302	0.196917414	0.199628514
0.500388763	0.598652453	0.624642512
0.097510911	0.354526872	0.323155675
0.443076962	0.614866426	0.604216043
0.527399045	0.552821673	0.607723112
0.641280383	0.604879304	0.692649191
0.527635737	0.650203306	0.680830871
0.537828351	0.54247544	0.567032604
0.374745225	0.492625837	0.472399606
0.524965997	0.500325509	0.534176921
0.184967173	0.170426227	0.194218717
0.661363076	0.706608288	0.704649808
0.546415444	0.581863994	0.674597299
0.395352258	0.460844095	0.521392675
0.412197592	0.440116593	0.500852786
0.663257637	0.561110251	0.670958851
-0.126627741	-0.080228464	-0.165562302
-0.181315775	-0.20087364	-0.254398808
0.820369989	0.756277705	0.841353384
0.894128388	0.620504275	0.765362432
0.690832315	0.405944402	0.529721361
0.780282023	0.784407471	0.788207381
0.830872253	0.923454567	0.929152567
0.714985804	0.83328136	0.817246772
0.719268546	0.903444487	0.875233993
0.501771402	0.829796381	0.738374599
1	0.786590844	0.914514991
0.786590844	1	0.961024745
0.914514991	0.961024745	1
0.438071258	0.466803668	0.509592922
0.410679952	0.454900649	0.501244976
0.039589574	-0.057669524	-0.022117361
0.038407899	-0.043950082	-0.002590375

Supplementary Table 2. p value

	Age	Gender	UCSFOCPQ 1
Age		0.23307948	0.02668376
Gender	0.23307948		0.572923854
UCSFOCPQ 1	0.02668376	0.572923854	
UCSFOCPQ 2	0.536015322	0.086079448	0.001607783
UCSFOCPQ 3	0.283166089	0.987932381	2.82892E-08
UCSFOCPQ 4	0.522752481	0.155905818	0.000201467
UCSFOCPQ 5	0.591551305	0.573824964	8.41757E-07
UCSFOCPQ 6	0.100142822	0.116222101	0.000152209
UCSFOCPQ 7	0.93364143	0.138883217	0.033881912
UCSFOCPQ 8	0.574252172	0.14545751	0.0102469
UCSFOCPQ average	0.461848993	0.135963812	3.8005E-06
Nodal Status	0.085925471	0.262004961	0.076150833
Tumor stage	0.500423674	0.296777198	0.156580571
Stage	0.035310346	0.204296893	0.008813292
PNI	0.306268473	0.897446064	0.013839768
DOI	0.376616763	0.917091406	0.002590266
BPI Average Pain 24 hours Intensity (0-10 scale)	0.730289591	0.094535073	0.001897959
BPI Worst Pain Intensity (0-10 scale)	0.685750955	0.133661683	0.079098564
BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	0.609224867	0.99158183	0.070458123
BPI Number of Days Pain Interferes with Mood and/or Activities (0-7)	0.785864371	0.60459645	0.084137
BPI Relief from Pain Medication in Past Week (0-100%)	0.620817971	0.577929871	0.153807575
BPI Overall Satisfaction with Pain Treatment (0-10)	0.785155169	0.604898898	0.040749513
General activity	0.506379598	0.10566972	0.110373312
Normal work	0.775699303	0.373622747	0.925620067
Walking ability	0.494779272	0.718892592	0.91230265
Sexual ability	0.580974273	0.603836182	0.636194467
Mood	0.061783075	0.258618406	0.050275604
Relations w/ others	0.625991368	0.796919989	0.080815126
Enjoyment of life	0.61236024	0.146527028	0.132146556
Sleep	0.276505802	0.108931951	0.010003311
BPI Physical interferences average	0.7367647	0.359464446	0.46438846
BPI Psychological interferences average	0.230426621	0.171516584	0.023894291
BPI Average pain score	0.398795101	0.167211839	0.052250056
BPI Occurrence of Pain (0= No; 1= Yes)	0.275427812	0.203297555	0.058219967
BPI Pain Related to Cancer (0= No; 1= Yes)	0.283005621	0.106426929	0.036402554
BPI Pain NOT Related to Cancer (0= No; 1= Yes)	0.786335101	0.612733309	0.888370057
BPI Both Cancer and Non-Cancer Related Pain (0= No; 1= Yes)	0.739508657	0.3773597	0.911512764

UCSFOCPQ 2	UCSFOCPQ 3	UCSFOCPQ 4	UCSFOCPQ 5	UCSFOCPQ 6	UCSFOCPQ 7	UCSFOCPQ 8
0.536015322	0.283166089	0.522752481	0.591551305	0.100142822	0.93364143	0.574252172
0.086079448	0.987932381	0.155905818	0.573824964	0.116222101	0.138883217	0.14545751
0.001607783	2.82892E-08	0.000201467	8.41757E-07	0.000152209	0.033881912	0.0102469
	0.002323101	5.58624E-10	0.000815706	9.44596E-09	6.9267E-06	2.41099E-10
0.002323101		0.000728635	1.57106E-05	0.004070048	0.079684876	0.018161971
5.58624E-10	0.000728635		0.00068873	3.36842E-09	9.86494E-06	2.78226E-07
0.000815706	1.57106E-05	0.00068873		0.002185523	0.090262412	0.003993471
9.44596E-09	0.004070048	3.36842E-09	0.002185523		0.001271439	1.4368E-05
6.9267E-06	0.079684876	9.86494E-06	0.090262412	0.001271439		8.83675E-05
2.41099E-10	0.018161971	2.78226E-07	0.003993471	1.4368E-05	8.83675E-05	
1.24789E-14	4.21138E-05	2.29047E-14	1.50803E-05	2.45821E-10	1.00454E-06	5.43073E-10
0.001717917	0.32371454	0.003240767	0.226029119	3.13637E-05	0.159161112	0.025565011
0.010282403	0.312138106	0.060483168	0.042890661	0.053080841	0.098009686	0.040081096
0.004917446	0.037495861	0.001772044	0.056387709	0.000224742	0.0250003	0.023825476
0.391419399	0.16597941	0.075895853	0.267587027	0.05927155	0.231342254	0.368260206
0.012834539	0.009058314	0.029475316	0.007296353	0.067659286	0.131743295	0.032246166
5.86738E-10	0.003672099	1.19451E-05	0.000394169	4.29765E-05	3.13149E-05	2.11421E-07
3.75894E-08	0.028388661	1.38576E-05	0.016796307	0.000473627	2.60256E-05	2.6666E-06
0.000114597	0.033985886	0.012887725	0.00131141	0.028508738	0.050951787	0.002265356
1.15451E-06	0.127912286	0.000840982	0.0240373	0.00127085	0.004257485	2.22071E-06
0.158200923	0.522059382	0.106269434	0.10500715	0.686793725	0.304838308	0.01415852
0.044943693	0.219271575	0.005153277	0.028797228	0.276245959	0.102996693	0.055488214
7.82054E-05	0.221463872	0.004630403	0.176724384	0.004454448	0.005436299	0.00024004
0.004847223	0.734262325	0.06394437	0.937492129	0.13385995	0.007311341	0.008781812
0.198737218	0.991576954	0.134397173	0.948744582	0.824660097	0.03637369	0.014161863
0.002854202	0.923016031	0.026033361	0.973016205	0.00651312	0.130946101	0.014306523
2.70421E-05	0.256802292	0.001340102	0.202017399	0.000713775	0.003954983	0.001823016
0.006418677	0.837446685	0.002933905	0.134106562	0.012716235	0.016452075	0.011494687
0.000123069	0.527153136	0.022211807	0.135258407	0.019178597	0.005416607	0.002090022
0.000534896	0.110823987	0.001149976	0.017539716	0.000132435	0.010105264	0.001975836
0.000180921	0.689867743	0.004861416	0.60821758	0.014199884	0.002745717	0.000134202
1.54315E-05	0.296954103	0.00047438	0.054570983	0.000299803	0.001534186	0.000398895
1.47604E-06	0.290218796	0.000224554	0.081531535	0.000406397	0.000368098	2.2194E-05
0.000166633	0.052708769	0.004162718	0.041439143	0.011087869	0.008973076	0.000810237
1.89469E-05	0.030593365	0.00111525	0.022406522	0.004781383	0.00334582	0.000148119
0.531842564	0.684407611	0.295271603	0.398469262	0.457512498	0.184414341	0.226401336
0.265993666	0.491588106	0.135924968	0.568781465	0.271634596	0.083002479	0.090044911

UCSF OCPQ average	Nodal Status	Tumor stage	Stage	PNI	DOI	BPI Average Pain Intensity over 24 hours (0-10 scale)
0.461848993	0.085925471	0.292000175	0.035310346	0.306268473	0.376616763	0.730289591
0.135963812	0.262004961	0.293910363	0.204296893	0.897446064	0.917091406	0.094535073
3.8005E-06	0.076150833	0.127370524	0.008813292	0.013839768	0.002590266	0.001897959
1.24789E-14	0.001717917	0.018497169	0.004917446	0.391419399	0.012834539	5.86738E-10
4.21138E-05	0.32371454	0.308960012	0.037495861	0.16597941	0.009058314	0.003672099
2.29047E-14	0.003240767	0.068228381	0.001772044	0.075895853	0.029475316	1.19451E-05
1.50803E-05	0.226029119	0.047729581	0.056387709	0.267587027	0.007296353	0.000394169
2.45821E-10	3.13637E-05	0.04354204	0.000224742	0.05927155	0.067659286	4.29765E-05
1.00454E-06	0.159161112	0.084038623	0.0250003	0.231342254	0.131743295	3.13149E-05
5.43073E-10	0.025565011	0.072647648	0.023825476	0.368260206	0.032246166	2.11421E-07
	0.003321172	0.028080156	0.000965094	0.091687489	0.007500005	7.65009E-09
0.003321172		0.018212859	4.56295E-06	0.101234489	0.004017552	0.047800112
0.0206514	0.036434073		0.002224062	0.369378815	0.004452624	0.060473138
0.000965094	4.56295E-06	0.000400757		0.001750408	0.003749301	0.043179122
0.091687489	0.101234489	0.277092736	0.001750408		0.148701177	0.373123192
0.007500005	0.004017552	0.00189287	0.003749301	0.148701177		0.056588954
7.65009E-09	0.047800112	0.079788713	0.043179122	0.373123192	0.056588954	
1.30009E-06	0.186419809	0.28495087	0.266566268	0.850803423	0.616968152	2.75757E-09
0.001221217	0.042136277	0.265899414	0.114418956	0.856646087	0.023127906	1.51622E-05
4.91448E-05	0.002532893	0.013517037	0.027518668	0.077791659	0.008236507	1.07901E-05
0.090824247	0.906341226	0.226810296	0.922539734	0.298663959	0.306560077	0.014479368
0.014098429	0.25686855	0.736537811	0.399338079	0.094391788	0.185586482	0.021894917
0.000782855	0.018302825	0.038806167	0.006310071	0.2546437	0.034914656	9.78308E-05
0.046635715	0.023267563	0.073345122	0.071979023	0.560658392	0.003585017	0.012381102
0.173151232	0.551182931	0.170470315	0.256112441	0.863955195	0.005219097	0.300205225
0.029413208	0.000217474	0.115812475	0.002323028	0.388071676	0.006403279	0.047721569
0.000461767	0.000692076	0.005101903	0.002262894	0.236032911	0.000702911	0.001307029
0.006017146	0.001671458	0.035860451	0.004174179	0.090266382	1.44493E-05	0.0400317
0.003158282	0.02583169	0.004924519	0.097304198	0.912890758	0.001919465	0.000752195
0.000230003	0.094151718	0.038533926	0.037208226	0.490411487	0.072220289	0.003878924
0.002731439	0.003158737	0.033493905	0.003456446	0.336759796	0.000803313	0.001784206
0.000100547	0.002860422	0.004543384	0.005709132	0.376753187	0.0002369	0.00074401
3.46426E-05	0.001652937	0.007154649	0.002837543	0.312711738	0.000250896	4.34633E-05
0.000677865	0.545009921	0.738282892	0.580315592	0.784888219	0.257391853	0.001205903
0.000114848	0.348301198	0.345139411	0.328820652	0.949296345	0.125739667	0.000131492
0.409305838	0.954354817	0.207470252	1	0.862836013	0.209873467	0.870483318
0.195019643	0.791750491	0.463557162	0.698926803	0.92939385	0.392234497	0.494424114

BPI Worst Pain Intensity (0-10 scale)	BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	BPI Number of Days Pain Interferes with Mood and/or Activities (0-7)	BPI Relief from Pain Medication in Past Week (0-100%)	BPI Overall Satisfaction with Pain Treatment (0-10)	General activity
0.685750955	0.609224867	0.785864371	0.620817971	0.785155169	0.506379598
0.133661683	0.99158183	0.60459645	0.577929871	0.604898898	0.10566972
0.079098564	0.070458123	0.084137	0.153807575	0.040749513	0.110373312
3.75894E-08	0.000114597	1.15451E-06	0.158200923	0.044943693	7.82054E-05
0.028388661	0.033985886	0.127912286	0.522059382	0.219271575	0.221463872
1.38576E-05	0.012887725	0.000840982	0.106269434	0.005153277	0.004630403
0.016796307	0.00131141	0.0240373	0.10500715	0.028797228	0.176724384
0.000473627	0.028508738	0.00127085	0.686793725	0.276245959	0.004454448
2.60256E-05	0.050951787	0.004257485	0.304838308	0.102996693	0.005436299
2.6666E-06	0.002265356	2.22071E-06	0.01415852	0.055488214	0.00024004
1.30009E-06	0.001221217	4.91448E-05	0.090824247	0.014098429	0.000782855
0.186419809	0.042136277	0.002532893	0.906341226	0.25686855	0.018302825
0.192435813	0.238451493	0.006349243	0.160836198	0.66208284	0.040218959
0.266566268	0.114418956	0.027518668	0.922539734	0.399338079	0.006310071
0.850803423	0.856646087	0.077791659	0.298663959	0.094391788	0.2546437
0.616968152	0.023127906	0.008236507	0.306560077	0.185586482	0.034914656
2.75757E-09	1.51622E-05	1.07901E-05	0.014479368	0.021894917	9.78308E-05
	0.000728317	0.000453172	0.018526597	0.075565369	0.007632861
0.000728317		0.001310261	0.10305529	0.012560665	0.090141254
0.000453172	0.001310261		0.011779589	0.026798529	0.000228406
0.018526597	0.10305529	0.011779589		1.00036E-05	0.584123729
0.075565369	0.012560665	0.026798529	1.00036E-05		0.564142029
0.007632861	0.090141254	0.000228406	0.584123729	0.564142029	
0.118413009	0.026016167	9.52369E-05	0.548793813	0.287207003	0.00029545
0.406184797	0.534638365	0.039388232	0.218262536	0.292362462	0.061101475
0.177811096	0.022674585	0.022760907	0.415126862	0.71207694	0.001689535
0.022967974	0.041270992	0.00017798	0.736136195	0.345405061	5.22001E-09
0.221784566	0.018229234	0.014184302	0.560386753	0.138840321	0.00169902
0.006285504	0.013220583	0.000949876	0.596606924	0.702112468	1.6154E-05
0.017893858	0.143366944	0.086430322	0.894266429	0.632536448	0.001318298
0.030587986	0.026286397	6.47911E-05	0.584407174	0.407691346	2.86568E-08
0.010378786	0.016883312	0.001256284	0.729569375	0.358069593	1.33775E-06
0.003130227	0.005650296	4.94948E-05	0.473240071	0.24143294	5.77647E-09
0.001110408	0.068975508	0.003369428	0.334893138	0.273574393	0.017270334
4.83814E-05	0.045092914	0.001535536	0.229964487	0.184931907	0.036184615
0.236391757	0.913359939	0.914086511	0.927105863	0.923377913	0.593295093
0.059279099	0.898227018	0.679900644	0.709658021	0.850943046	0.513930053

Normal work	Walking ability	Sexual ability	Mood	Relations w/ others	Enjoyment of life	Sleep
0.775699303	0.494779272	0.580974273	0.061783075	0.625991368	0.61236024	0.276505802
0.373622747	0.718892592	0.603836182	0.258618406	0.796919989	0.146527028	0.108931951
0.925620067	0.91230265	0.636194467	0.050275604	0.080815126	0.132146556	0.010003311
0.004847223	0.198737218	0.002854202	2.70421E-05	0.006418677	0.000123069	0.000534896
0.734262325	0.991576954	0.923016031	0.256802292	0.837446685	0.527153136	0.110823987
0.06394437	0.134397173	0.026033361	0.001340102	0.002933905	0.022211807	0.001149976
0.937492129	0.948744582	0.973016205	0.202017399	0.134106562	0.135258407	0.017539716
0.13385995	0.824660097	0.00651312	0.000713775	0.012716235	0.019178597	0.000132435
0.007311341	0.03637369	0.130946101	0.003954983	0.016452075	0.005416607	0.010105264
0.008781812	0.014161863	0.014306523	0.001823016	0.011494687	0.002090022	0.001975836
0.046635715	0.173151232	0.029413208	0.000461767	0.006017146	0.003158282	0.000230003
0.023267563	0.551182931	0.000217474	0.000692076	0.001671458	0.02583169	0.094151718
0.097112214	0.213161027	0.173595867	0.007319129	0.060509446	0.005852697	0.04728561
0.071979023	0.256112441	0.002323028	0.002262894	0.004174179	0.097304198	0.037208226
0.560658392	0.863955195	0.388071676	0.236032911	0.090266382	0.912890758	0.490411487
0.003585017	0.005219097	0.006403279	0.000702911	1.44493E-05	0.001919465	0.072220289
0.012381102	0.300205225	0.047721569	0.001307029	0.0400317	0.000752195	0.003878924
0.118413009	0.406184797	0.177811096	0.022967974	0.221784566	0.006285504	0.017893858
0.026016167	0.534638365	0.022674585	0.041270992	0.018229234	0.013220583	0.143366944
9.52369E-05	0.039388232	0.022760907	0.00017798	0.014184302	0.000949876	0.086430322
0.548793813	0.218262536	0.415126862	0.736136195	0.560386753	0.596606924	0.894266429
0.287207003	0.292362462	0.71207694	0.345405061	0.138840321	0.702112468	0.632536448
0.00029545	0.061101475	0.001689535	5.22001E-09	0.00169902	1.6154E-05	0.001318298
	1.74066E-05	0.001765783	1.73913E-05	0.00103848	0.00062446	0.089835509
1.74066E-05		0.167945731	0.037500133	0.018756983	0.076196535	0.139126458
0.001765783	0.167945731		4.51936E-05	1.70454E-07	5.10463E-05	0.012549719
1.73913E-05	0.037500133	4.51936E-05		1.29861E-06	1.6953E-07	6.42962E-05
0.00103848	0.018756983	1.70454E-07	1.29861E-06		4.18617E-05	0.002555192
0.00062446	0.076196535	5.10463E-05	1.6953E-07	4.18617E-05		0.000150476
0.089835509	0.139126458	0.012549719	6.42962E-05	0.002555192	0.000150476	
2.81946E-11	2.37982E-05	2.589E-06	1.32096E-08	9.01624E-06	1.09992E-05	0.004726516
0.000254075	0.026027696	2.11048E-06	3.61925E-13	1.09777E-08	1.95572E-11	1.43345E-08
8.35851E-07	0.002608374	1.74153E-06	1.27E-13	3.57352E-08	5.23835E-10	3.19414E-06
0.037612322	0.222648935	0.088723059	0.005063109	0.076592076	0.012185626	0.075650316
0.071578389	0.171249376	0.101964316	0.014444612	0.132587498	0.010622527	0.042665167
0.901590111	0.382495967	0.609734548	0.69458888	0.764348609	0.699259887	0.864545302
0.808122424	0.281325343	0.566349087	0.605937901	0.666764697	0.825563603	0.914033481

BPI

BPI Physical interferences average	Psychological interferences average	BPI Average pain score
0.7367647	0.230426621	0.398795101
0.359464446	0.171516584	0.167211839
0.46438846	0.023894291	0.052250056
0.000180921	1.54315E-05	1.47604E-06
0.689867743	0.296954103	0.290218796
0.004861416	0.00047438	0.000224554
0.60821758	0.054570983	0.081531535
0.014199884	0.000299803	0.000406397
0.002745717	0.001534186	0.000368098
0.000134202	0.000398895	2.2194E-05
0.002731439	0.000100547	3.46426E-05
0.003158737	0.002860422	0.001652937
0.045181575	0.006629438	0.009664609
0.003456446	0.005709132	0.002837543
0.336759796	0.376753187	0.312711738
0.000803313	0.0002369	0.000250896
0.001784206	0.00074401	4.34633E-05
0.030587986	0.010378786	0.003130227
0.026286397	0.016883312	0.005650296
6.47911E-05	0.001256284	4.94948E-05
0.584407174	0.729569375	0.473240071
0.407691346	0.358069593	0.24143294
2.86568E-08	1.33775E-06	5.77647E-09
2.81946E-11	0.000254075	8.35851E-07
2.37982E-05	0.026027696	0.002608374
2.589E-06	2.11048E-06	1.74153E-06
1.32096E-08	3.61925E-13	1.27E-13
9.01624E-06	1.09777E-08	3.57352E-08
1.09992E-05	1.95572E-11	5.23835E-10
0.004726516	1.43345E-08	3.19414E-06
	2.55587E-07	1.60614E-12
2.55587E-07		3.60054E-17
1.60614E-12	3.60054E-17	
0.015466934	0.009308924	0.004022102
0.024176931	0.011546851	0.004777496
0.838433124	0.766354647	0.909332776
0.843195635	0.82090842	0.989359742

Supplementary Table 2. Sample size

	Age	Gender	UCSFOCPQ 1
Age	30	30	30
Gender	30	30	30
UCSFOCPQ 1	30	30	30
UCSFOCPQ 2	30	30	30
UCSFOCPQ 3	30	30	30
UCSFOCPQ 4	30	30	30
UCSFOCPQ 5	30	30	30
UCSFOCPQ 6	30	30	30
UCSFOCPQ 7	30	30	30
UCSFOCPQ 8	30	30	30
UCSFOCPQ average	30	30	30
Nodal Status	28	28	28
Tumor stage	29	29	29
Stage	29	29	29
PNI	29	29	29
DOI	22	22	22
BPI Average Pain Intensity over 24 hours(0-10 scale)	30	30	30
BPI Worst Pain Intensity (0-10 scale)	30	30	30
BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	29	29	29
BPI Number of Days Pain Interferes with Mood and/or Activities	30	30	30
BPI Relief from Pain Medication in Past Week (0-100%)	21	21	21
BPI Overall Satisfaction with Pain Treatment (0-10)	23	23	23
General activity	30	30	30
Normal work	30	30	30
Walking ability	30	30	30
Sexual ability	26	26	26
Mood	30	30	30
Relations w/ others	30	30	30
Enjoyment of life	29	29	29
Sleep	30	30	30
BPI Physical interferences average	30	30	30
BPI Psychological interferences average	30	30	30
BPI Average pain score	30	30	30
BPI Occurrence of Pain (0= No; 1= Yes)	30	30	30
BPI Pain Related to Cancer (0= No; 1= Yes)	30	30	30
BPI Pain NOT Related to Cancer (0= No; 1= Yes)	29	29	29
BPI Both Cancer and Non-Cancer Related Pain (0= No; 1= Yes)	29	29	29

UCSFOCPQ 2	UCSFOCPQ 3	UCSFOCPQ 4	UCSFOCPQ 5	UCSFOCPQ 6	UCSFOCPQ 7	UCSFOCPQ 8
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
28	28	28	28	28	28	28
29	29	29	29	29	29	29
29	29	29	29	29	29	29
29	29	29	29	29	29	29
22	22	22	22	22	22	22
30	30	30	30	30	30	30
30	30	30	30	30	30	30
29	29	29	29	29	29	29
30	30	30	30	30	30	30
21	21	21	21	21	21	21
23	23	23	23	23	23	23
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
26	26	26	26	26	26	26
30	30	30	30	30	30	30
30	30	30	30	30	30	30
29	29	29	29	29	29	29
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
30	30	30	30	30	30	30
29	29	29	29	29	29	29
29	29	29	29	29	29	29

UCSFOCPQ average	Nodal Status	Tumor stage	Stage	PNI	DOI	BPI Average Pain Intensity over 24 hours (0-10 scale)
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
28	28	26	28	28	21	28
29	28	27	29	29	22	29
29	28	27	29	29	22	29
29	28	27	29	29	22	29
22	21	20	22	22	22	22
30	28	27	29	29	22	30
30	28	27	29	29	22	30
29	27	26	28	28	22	29
30	28	27	29	29	22	30
21	21	19	21	21	14	21
23	23	21	23	23	16	23
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
26	24	23	25	25	20	26
30	28	27	29	29	22	30
30	28	27	29	29	22	30
29	27	26	28	28	22	29
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
30	28	27	29	29	22	30
29	27	26	28	28	22	29
29	27	26	28	28	22	29

BPI Worst Pain Intensity (0-10 scale)	BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	BPI Number of Days Pain Interferes with Mood and/or Activities (0-7)	BPI Relief from Pain Medication in Past Week (0-100%)	BPI Overall Satisfaction with Pain Treatment (0-10)	General activity
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
28	27	28	21	23	28
29	28	29	21	23	29
29	28	29	21	23	29
29	28	29	21	23	29
22	22	22	14	16	22
30	29	30	21	23	30
30	29	30	21	23	30
29	29	29	20	22	29
30	29	30	21	23	30
21	20	21	21	21	21
23	22	23	21	23	23
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
26	25	26	17	19	26
30	29	30	21	23	30
30	29	30	21	23	30
29	28	29	20	22	29
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
30	29	30	21	23	30
29	28	29	20	22	29
29	28	29	20	22	29

Normal work	Walking ability	Sexual ability	Mood	Relations w/ others	Enjoyment of life	Sleep
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
28	28	24	28	28	27	28
29	29	25	29	29	28	29
29	29	25	29	29	28	29
29	29	25	29	29	28	29
22	22	20	22	22	22	22
30	30	26	30	30	29	30
30	30	26	30	30	29	30
29	29	25	29	29	28	29
30	30	26	30	30	29	30
21	21	17	21	21	20	21
23	23	19	23	23	22	23
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
26	26	26	26	26	26	26
30	30	26	30	30	29	30
30	30	26	30	30	29	30
29	29	26	29	29	29	29
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
30	30	26	30	30	29	30
29	29	25	29	29	28	29
29	29	25	29	29	28	29

BPI		
BPI Physical interferences average	Psychological interferences average	BPI Average pain score
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
28	28	28
29	29	29
29	29	29
29	29	29
22	22	22
30	30	30
30	30	30
29	29	29
30	30	30
21	21	21
23	23	23
30	30	30
30	30	30
30	30	30
26	26	26
30	30	30
30	30	30
29	29	29
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
30	30	30
29	29	29
29	29	29

Supplementary Table 2. Confidence interval

	Age	Gender
Age		-0.5410 to 0.1478
Gender	-0.5410 to 0.1478	
UCSFOCPQ 1	-0.6674 to -0.05158	-0.2633 to 0.4501
UCSFOCPQ 2	-0.4584 to 0.2534	-0.04697 to 0.6090
UCSFOCPQ 3	-0.5245 to 0.1702	-0.3628 to 0.3578
UCSFOCPQ 4	-0.4615 to 0.2498	-0.1046 to 0.5713
UCSFOCPQ 5	-0.4459 to 0.2681	-0.2635 to 0.4499
UCSFOCPQ 6	-0.6001 to 0.06107	-0.07531 to 0.5908
UCSFOCPQ 7	-0.3464 to 0.3740	-0.09287 to 0.5792
UCSFOCPQ 8	-0.2636 to 0.4498	-0.09753 to 0.5761
UCSFOCPQ average	-0.4759 to 0.2323	-0.09075 to 0.5806
Nodal Status	-0.6263 to 0.04866	-0.1674 to 0.5476
Tumor stage	-0.4742 to 0.2480	-0.1791 to 0.5283
Stage	-0.6634 to -0.03010	-0.1357 to 0.5596
PNI	-0.5254 to 0.1829	-0.3446 to 0.3880
DOI	-0.5720 to 0.2438	-0.4408 to 0.4020
BPI Average Pain Intensity over 24 hours (0-10 scale)	-0.4161 to 0.3017	-0.05565 to 0.6035
BPI Worst Pain Intensity (0-10 scale)	-0.2913 to 0.4255	-0.08904 to 0.5818
BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	-0.2775 to 0.4492	-0.3647 to 0.3683
BPI Number of Days Pain Interferes with Mood and/or Activities (0-7)	-0.4045 to 0.3144	-0.2714 to 0.4430
BPI Relief from Pain Medication in Past Week (0-100%)	-0.5205 to 0.3336	-0.3207 to 0.5310
BPI Overall Satisfaction with Pain Treatment (0-10)	-0.3610 to 0.4609	-0.3130 to 0.5025
General activity	-0.4653 to 0.2452	-0.06616 to 0.5968
Normal work	-0.4066 to 0.3121	-0.2042 to 0.4985
Walking ability	-0.2419 to 0.4680	-0.4185 to 0.2991
Sexual ability	-0.4797 to 0.2865	-0.2927 to 0.4745
Mood	-0.6274 to 0.01730	-0.1596 to 0.5324
Relations w/ others	-0.4384 to 0.2768	-0.3168 to 0.4022
Enjoyment of life	-0.4485 to 0.2783	-0.1002 to 0.5838
Sleep	-0.5266 to 0.1674	-0.06906 to 0.5949
BPI Physical interferences average	-0.4147 to 0.3032	-0.1993 to 0.5023
BPI Psychological interferences average	-0.5419 to 0.1465	-0.1145 to 0.5645
BPI Average pain score	-0.4918 to 0.2127	-0.1118 to 0.5663
BPI Occurrence of Pain (0= No; 1= Yes)	-0.5269 to 0.1669	-0.1326 to 0.5518
BPI Pain Related to Cancer (0= No; 1= Yes)	-0.5246 to 0.1701	-0.06684 to 0.5963
BPI Pain NOT Related to Cancer (0= No; 1= Yes)	-0.4112 to 0.3201	-0.2784 to 0.4485
BPI Both Cancer and Non-Cancer Related Pain (0= No; 1= Yes)	-0.4211 to 0.3093	-0.2094 to 0.5052

UCSFOCPQ 1	UCSFOCPQ 2	UCSFOCPQ 3	UCSFOCPQ 4	UCSFOCPQ 5
-0.6674 to -0.05158	-0.4584 to 0.2534	-0.5245 to 0.1702	-0.4615 to 0.2498	-0.4459 to 0.2681
-0.2633 to 0.4501	-0.04697 to 0.6090	-0.3628 to 0.3578	-0.1046 to 0.5713	-0.2635 to 0.4499
	0.2378 to 0.7602	0.6535 to 0.9114	0.3464 to 0.8061	0.5591 to 0.8823
0.2378 to 0.7602		0.2163 to 0.7505	0.7375 to 0.9353	0.2754 to 0.7768
0.6535 to 0.9114	0.2163 to 0.7505		0.2815 to 0.7793	0.4566 to 0.8475
0.3464 to 0.8061	0.7375 to 0.9353	0.2815 to 0.7793		0.2845 to 0.7806
0.5591 to 0.8823	0.2754 to 0.7768	0.4566 to 0.8475	0.2845 to 0.7806	
0.3596 to 0.8113	0.6794 to 0.9190	0.1822 to 0.7346	0.7019 to 0.9254	0.2199 to 0.7522
0.03279 to 0.6568	0.4876 to 0.8584	-0.03992 to 0.6135	0.4744 to 0.8538	-0.05135 to 0.6063
0.1215 to 0.7046	0.7527 to 0.9395	0.08065 to 0.6833	0.5925 to 0.8929	0.1833 to 0.7351
0.5091 to 0.8658	0.8771 to 0.9715	0.4166 to 0.8330	0.8717 to 0.9701	0.4582 to 0.8481
-0.03723 to 0.6332	0.2437 to 0.7750	-0.1935 to 0.5285	0.2045 to 0.7580	-0.1500 to 0.5600
-0.1071 to 0.5792	0.1237 to 0.7129	-0.1853 to 0.5236	-0.01573 to 0.6370	0.01395 to 0.6543
0.1345 to 0.7183	0.1737 to 0.7371	0.02516 to 0.6606	0.2369 to 0.7658	-0.009550 to 0.6406
0.1024 to 0.7022	-0.2142 to 0.5014	-0.1132 to 0.5751	-0.03619 to 0.6246	-0.1666 to 0.5374
0.2532 to 0.8204	0.1279 to 0.7730	0.1571 to 0.7848	0.05314 to 0.7409	0.1746 to 0.7916
0.2282 to 0.7559	0.7366 to 0.9351	0.1886 to 0.7376	0.4672 to 0.8513	0.3134 to 0.7927
-0.03925 to 0.6139	0.6464 to 0.9093	0.04676 to 0.6647	0.4614 to 0.8493	0.08639 to 0.6863
-0.02941 to 0.6287	0.3799 to 0.8239	0.03323 to 0.6652	0.1076 to 0.7048	0.2543 to 0.7734
-0.04488 to 0.6104	0.5491 to 0.8790	-0.08468 to 0.5847	0.2738 to 0.7760	0.05961 to 0.6718
-0.6621 to 0.1268	-0.6600 to 0.1303	-0.5449 to 0.3031	-0.6868 to 0.08196	-0.6875 to 0.08056
-0.7152 to -0.02120	-0.7105 to -0.01172	-0.6114 to 0.1638	-0.7915 to -0.1964	-0.7308 to -0.05379
-0.07033 to 0.5941	0.3899 to 0.8230	-0.1421 to 0.5451	0.1740 to 0.7307	-0.1176 to 0.5623
-0.3757 to 0.3447	0.1711 to 0.7293	-0.4153 to 0.3027	-0.02030 to 0.6256	-0.3732 to 0.3472
-0.3784 to 0.3419	-0.1302 to 0.5535	-0.3620 to 0.3585	-0.08959 to 0.5814	-0.3496 to 0.3709
-0.3014 to 0.4671	0.2222 to 0.7792	-0.3703 to 0.4042	0.05834 to 0.7043	-0.3814 to 0.3933
0.0003838 to 0.6380	0.4349 to 0.8398	-0.1588 to 0.5329	0.2481 to 0.7648	-0.1320 to 0.5523
-0.04120 to 0.6127	0.1530 to 0.7204	-0.3258 to 0.3938	0.2023 to 0.7441	-0.08937 to 0.5815
-0.08961 to 0.5908	0.3766 to 0.8226	-0.2556 to 0.4679	0.06696 to 0.6836	-0.09197 to 0.5893
0.1231 to 0.7055	0.2977 to 0.7862	-0.07072 to 0.5938	0.2567 to 0.7686	0.08321 to 0.6846
-0.2331 to 0.4753	0.3515 to 0.8081	-0.2923 to 0.4246	0.1709 to 0.7292	-0.2723 to 0.4422
0.06006 to 0.6721	0.4573 to 0.8478	-0.1758 to 0.5203	0.3039 to 0.7888	-0.006583 to 0.6338
-0.002879 to 0.6360	0.5411 to 0.8764	-0.1731 to 0.5223	0.3411 to 0.8040	-0.04200 to 0.6122
-0.01214 to 0.6305	0.3553 to 0.8096	-0.003622 to 0.6356	0.1807 to 0.7339	0.01648 to 0.6474
0.02703 to 0.6535	0.4492 to 0.8449	0.04090 to 0.6614	0.2584 to 0.7694	0.06495 to 0.6748
-0.3899 to 0.3427	-0.2569 to 0.4668	-0.2962 to 0.4328	-0.1785 to 0.5287	-0.4996 to 0.2165
-0.3477 to 0.3850	-0.1659 to 0.5380	-0.2455 to 0.4763	-0.09247 to 0.5889	-0.4583 to 0.2670

UCSFOCPQ 6	UCSFOCPQ 7	UCSFOCPQ 8	UCSFOCPQ average	Nodal Status
-0.6001 to 0.06107	-0.3464 to 0.3740	-0.2636 to 0.4498	-0.4759 to 0.2323	-0.6263 to 0.04866
-0.07531 to 0.5908	-0.09287 to 0.5792	-0.09753 to 0.5761	-0.09075 to 0.5806	-0.1674 to 0.5476
0.3596 to 0.8113	0.03279 to 0.6568	0.1215 to 0.7046	0.5091 to 0.8658	-0.03723 to 0.6332
0.6794 to 0.9190	0.4876 to 0.8584	0.7527 to 0.9395	0.8771 to 0.9715	0.2437 to 0.7750
0.1822 to 0.7346	-0.03992 to 0.6135	0.08065 to 0.6833	0.4166 to 0.8330	-0.1935 to 0.5285
0.7019 to 0.9254	0.4744 to 0.8538	0.5925 to 0.8929	0.8717 to 0.9701	0.2045 to 0.7580
0.2199 to 0.7522	-0.05135 to 0.6063	0.1833 to 0.7351	0.4582 to 0.8481	-0.1500 to 0.5600
	0.2511 to 0.7661	0.4600 to 0.8488	0.7523 to 0.9394	0.4456 to 0.8520
0.2511 to 0.7661		0.3844 to 0.8209	0.5535 to 0.8805	-0.1110 to 0.5867
0.4600 to 0.8488	0.3844 to 0.8209		0.7381 to 0.9355	0.05722 to 0.6865
0.7523 to 0.9394	0.5535 to 0.8805	0.7381 to 0.9355		0.2029 to 0.7573
0.4456 to 0.8520	-0.1110 to 0.5867	0.05722 to 0.6865	0.2029 to 0.7573	
-0.004278 to 0.6437	-0.06018 to 0.6097	0.01963 to 0.6575	0.07255 to 0.6866	0.02814 to 0.6708
0.3478 to 0.8116	0.05776 to 0.6786	0.06152 to 0.6807	0.2717 to 0.7808	0.5215 to 0.8769
-0.01394 to 0.6380	-0.1497 to 0.5497	-0.2062 to 0.5077	-0.05382 to 0.6137	-0.06456 to 0.6165
-0.03006 to 0.7010	-0.1047 to 0.6608	0.04459 to 0.7370	0.1724 to 0.7908	0.2275 to 0.8196
0.4157 to 0.8327	0.4289 to 0.8376	0.6003 to 0.8953	0.6841 to 0.9203	0.004881 to 0.6578
0.3040 to 0.7888	0.4365 to 0.8403	0.5213 to 0.8699	0.5452 to 0.8778	-0.1282 to 0.5751
0.04739 to 0.6730	-0.0007334 to 0.6458	0.2222 to 0.7594	0.2584 to 0.7752	0.01617 to 0.6731
0.2511 to 0.7662	0.1793 to 0.7332	0.5276 to 0.8719	0.4100 to 0.8306	0.2200 to 0.7648
-0.5048 to 0.3524	-0.6054 to 0.2187	-0.7809 to -0.1230	-0.6963 to 0.06378	-0.4537 to 0.4092
-0.5914 to 0.1942	-0.6653 to 0.07421	-0.7001 to 0.009114	-0.7589 to -0.1165	-0.5979 to 0.1844
0.1765 to 0.7319	0.1638 to 0.7257	0.3379 to 0.8027	0.2776 to 0.7777	0.08346 to 0.7002
-0.08919 to 0.5817	0.1444 to 0.7162	0.1320 to 0.7100	0.006697 to 0.6417	0.06472 to 0.6904
-0.3230 to 0.3965	0.02710 to 0.6536	0.09873 to 0.6929	-0.1155 to 0.5638	-0.2672 to 0.4701
0.1656 to 0.7550	-0.09437 to 0.6186	0.1068 to 0.7281	0.04801 to 0.6990	0.3901 to 0.8531
0.2826 to 0.7798	0.1840 to 0.7354	0.2305 to 0.7570	0.3053 to 0.7894	0.2959 to 0.7965
0.1064 to 0.6969	0.08790 to 0.6871	0.1135 to 0.7005	0.1572 to 0.7225	0.2453 to 0.7757
0.07818 to 0.6896	0.1673 to 0.7342	0.2271 to 0.7615	0.2019 to 0.7502	0.05765 to 0.6952
0.3661 to 0.8138	0.1224 to 0.7051	0.2258 to 0.7549	0.3400 to 0.8035	-0.05747 to 0.6209
0.09854 to 0.6928	0.2063 to 0.7459	0.3654 to 0.8136	0.2066 to 0.7461	0.2061 to 0.7587
0.3270 to 0.7983	0.2404 to 0.7614	0.3128 to 0.7925	0.3786 to 0.8187	0.2124 to 0.7614
0.3118 to 0.7921	0.3168 to 0.7941	0.4429 to 0.8426	0.4247 to 0.8360	0.2460 to 0.7760
0.1160 to 0.7018	0.1306 to 0.7093	0.2758 to 0.7769	0.2853 to 0.7810	-0.2655 to 0.4715
0.1720 to 0.7297	0.1943 to 0.7403	0.3609 to 0.8118	0.3726 to 0.8164	-0.2029 to 0.5214
-0.2353 to 0.4846	-0.1245 to 0.5674	-0.1473 to 0.5514	-0.2201 to 0.4968	-0.3899 to 0.3701
-0.1684 to 0.5361	-0.04447 to 0.6195	-0.05211 to 0.6148	-0.1306 to 0.5631	-0.3335 to 0.4247

Tumor stage	Stage	PNI	DOI	BPI Average Pain Intensity over 24 hours (0-10 scale)
-0.5468 to 0.1843	-0.6634 to -0.03010	-0.5254 to 0.1829	-0.5720 to 0.2438	-0.4161 to 0.3017
-0.1851 to 0.5462	-0.1357 to 0.5596	-0.3446 to 0.3880	-0.4408 to 0.4020	-0.05565 to 0.6035
-0.08945 to 0.6110	0.1345 to 0.7183	0.1024 to 0.7022	0.2532 to 0.8204	0.2282 to 0.7559
0.08449 to 0.7088	0.1737 to 0.7371	-0.2142 to 0.5014	0.1279 to 0.7730	0.7366 to 0.9351
-0.1914 to 0.5415	0.02516 to 0.6606	-0.1132 to 0.5751	0.1571 to 0.7848	0.1886 to 0.7376
-0.02757 to 0.6484	0.2369 to 0.7658	-0.03619 to 0.6246	0.05314 to 0.7409	0.4672 to 0.8513
0.005151 to 0.6670	-0.009550 to 0.6406	-0.1666 to 0.5374	0.1746 to 0.7916	0.3134 to 0.7927
0.01329 to 0.6715	0.3478 to 0.8116	-0.01394 to 0.6380	-0.03006 to 0.7010	0.4157 to 0.8327
-0.04751 to 0.6367	0.05776 to 0.6786	-0.1497 to 0.5497	-0.1047 to 0.6608	0.4289 to 0.8376
-0.03350 to 0.6450	0.06152 to 0.6807	-0.2062 to 0.5077	0.04459 to 0.7370	0.6003 to 0.8953
0.05076 to 0.6916	0.2717 to 0.7808	-0.05382 to 0.6137	0.1724 to 0.7908	0.6841 to 0.9203
0.08770 to 0.7189	0.5215 to 0.8769	-0.06456 to 0.6165	0.2275 to 0.8196	0.004881 to 0.6578
	0.2233 to 0.7599	-0.2066 to 0.5074	0.2132 to 0.8061	-0.01571 to 0.6370
0.3323 to 0.8163		0.2376 to 0.7662	0.2261 to 0.8108	0.01338 to 0.6539
-0.1777 to 0.5515	0.2376 to 0.7662		-0.1192 to 0.6524	-0.2079 to 0.5063
0.2923 to 0.8488	0.2261 to 0.8108	-0.1192 to 0.6524		-0.01134 to 0.7104
-0.04248 to 0.6397	0.01338 to 0.6539	-0.2079 to 0.5063	-0.01134 to 0.7104	
-0.1812 to 0.5490	-0.1662 to 0.5378	-0.3345 to 0.3977	-0.3242 to 0.5102	0.7061 to 0.9266
-0.1763 to 0.5643	-0.07673 to 0.6089	-0.3419 to 0.4035	0.07573 to 0.7510	0.4665 to 0.8550
0.1087 to 0.7208	0.05020 to 0.6745	-0.03846 to 0.6232	0.1648 to 0.7878	0.4710 to 0.8526
-0.6582 to 0.1881	-0.4499 to 0.4131	-0.6074 to 0.2158	-0.7136 to 0.2797	-0.7801 to -0.1210
-0.4932 to 0.3659	-0.5545 to 0.2464	-0.6706 to 0.06463	-0.7200 to 0.1777	-0.7421 to -0.07850
0.02334 to 0.6770	0.1572 to 0.7293	-0.1608 to 0.5417	0.03694 to 0.7335	0.3799 to 0.8192
-0.03441 to 0.6444	-0.03135 to 0.6276	-0.2648 to 0.4602	0.2294 to 0.8120	0.1083 to 0.6978
-0.1208 to 0.5907	-0.1615 to 0.5412	-0.3373 to 0.3950	0.2010 to 0.8016	-0.1771 to 0.5193
-0.08731 to 0.6578	0.2412 to 0.7939	-0.2312 to 0.5373	0.1966 to 0.8177	0.005318 to 0.6765
0.1788 to 0.7534	0.2223 to 0.7594	-0.1520 to 0.5480	0.3409 to 0.8495	0.2495 to 0.7655
0.03014 to 0.6806	0.1842 to 0.7421	-0.05234 to 0.6147	0.5452 to 0.9071	0.01932 to 0.6491
0.1853 to 0.7636	-0.06068 to 0.6189	-0.3916 to 0.3543	0.2744 to 0.8277	0.2854 to 0.7865
0.02395 to 0.6773	0.02580 to 0.6610	-0.2451 to 0.4766	-0.03702 to 0.6974	0.1852 to 0.7360
0.03596 to 0.6838	0.1962 to 0.7476	-0.1947 to 0.5165	0.3325 to 0.8468	0.2318 to 0.7576
0.1866 to 0.7569	0.1639 to 0.7325	-0.2091 to 0.5054	0.4059 to 0.8693	0.2804 to 0.7789
0.1553 to 0.7428	0.2085 to 0.7532	-0.1855 to 0.5235	0.4027 to 0.8683	0.4152 to 0.8325
-0.3208 to 0.4363	-0.2700 to 0.4557	-0.4115 to 0.3197	-0.1895 to 0.6091	0.2540 to 0.7674
-0.2058 to 0.5309	-0.1917 to 0.5187	-0.3558 to 0.3771	-0.09921 to 0.6639	0.3664 to 0.8140
-0.5851 to 0.1462	-0.3731 to 0.3731	-0.4021 to 0.3433	-0.6264 to 0.1624	-0.3388 to 0.3936
-0.5081 to 0.2517	-0.3053 to 0.4371	-0.3579 to 0.3881	-0.5676 to 0.2499	-0.2463 to 0.4756

BPI Worst Pain Intensity (0-10 scale)	BPI Number of Hours Pain Lasts on Days with Pain (0-24 hours)	BPI Number of Days Pain Interferes with Mood and/or Activities (0-7)	BPI Relief from Pain Medication in Past Week (0-100%)	BPI Overall Satisfaction with Pain Treatment (0-10)
-0.2913 to 0.4255	-0.2775 to 0.4492	-0.4045 to 0.3144	-0.5205 to 0.3336	-0.3610 to 0.4609
-0.08904 to 0.5818	-0.3647 to 0.3683	-0.2714 to 0.4430	-0.3207 to 0.5310	-0.3130 to 0.5025
-0.03925 to 0.6139	-0.02941 to 0.6287	-0.04488 to 0.6104	-0.6621 to 0.1268	-0.7152 to -0.02120
0.6464 to 0.9093	0.3799 to 0.8239	0.5491 to 0.8790	-0.6600 to 0.1303	-0.7105 to -0.01172
0.04676 to 0.6647	0.03323 to 0.6652	-0.08468 to 0.5847	-0.5449 to 0.3031	-0.6114 to 0.1638
0.4614 to 0.8493	0.1076 to 0.7048	0.2738 to 0.7760	-0.6868 to 0.08196	-0.7915 to -0.1964
0.08639 to 0.6863	0.2543 to 0.7734	0.05961 to 0.6718	-0.6875 to 0.08056	-0.7308 to -0.05379
0.3040 to 0.7888	0.04739 to 0.6730	0.2511 to 0.7662	-0.5048 to 0.3524	-0.5914 to 0.1942
0.4365 to 0.8403	-0.0007334 to 0.6458	0.1793 to 0.7332	-0.6054 to 0.2187	-0.6653 to 0.07421
0.5213 to 0.8699	0.2222 to 0.7594	0.5276 to 0.8719	-0.7809 to -0.1230	-0.7001 to 0.009114
0.5452 to 0.8778	0.2584 to 0.7752	0.4100 to 0.8306	-0.6963 to 0.06378	-0.7589 to -0.1165
-0.1282 to 0.5751	0.01617 to 0.6731	0.2200 to 0.7648	-0.4537 to 0.4092	-0.5979 to 0.1844
-0.1291 to 0.5641	-0.1562 to 0.5556	0.1568 to 0.7291	-0.6589 to 0.1324	-0.4891 to 0.3290
-0.1662 to 0.5378	-0.07673 to 0.6089	0.05020 to 0.6745	-0.4499 to 0.4131	-0.5545 to 0.2464
-0.3345 to 0.3977	-0.3419 to 0.4035	-0.03846 to 0.6232	-0.6074 to 0.2158	-0.6706 to 0.06463
-0.3242 to 0.5102	0.07573 to 0.7510	0.1648 to 0.7878	-0.7136 to 0.2797	-0.7200 to 0.1777
0.7061 to 0.9266	0.4665 to 0.8550	0.4710 to 0.8526	-0.7801 to -0.1210	-0.7421 to -0.07850
	0.2871 to 0.7873	0.3063 to 0.7898	-0.7711 to -0.09869	-0.6835 to 0.04083
0.2871 to 0.7873		0.2544 to 0.7735	-0.7013 to 0.08069	-0.7738 to -0.1297
0.3063 to 0.7898	0.2544 to 0.7735		-0.7872 to -0.1392	-0.7338 to -0.06036
-0.7711 to -0.09869	-0.7013 to 0.08069	-0.7872 to -0.1392		0.5753 to 0.9185
-0.6835 to 0.04083	-0.7738 to -0.1297	-0.7338 to -0.06036	0.5753 to 0.9185	
0.1415 to 0.7148	-0.05221 to 0.6147	0.3403 to 0.8037	-0.5294 to 0.3226	-0.5123 to 0.3011
-0.07712 to 0.5896	0.05464 to 0.6769	0.3811 to 0.8196	-0.5382 to 0.3117	-0.5878 to 0.1995
-0.2151 to 0.4899	-0.2577 to 0.4661	0.02064 to 0.6498	-0.6352 to 0.1721	-0.5862 to 0.2019
-0.1283 to 0.5970	0.07156 to 0.7199	0.06954 to 0.7099	-0.2996 to 0.6283	-0.3792 to 0.5233
0.06307 to 0.6737	0.01718 to 0.6561	0.3522 to 0.8084	-0.4932 to 0.3658	-0.5699 to 0.2252
-0.1422 to 0.5450	0.08202 to 0.6916	0.09862 to 0.6928	-0.5353 to 0.3153	-0.6458 to 0.1081
0.1575 to 0.7295	0.1080 to 0.7126	0.2725 to 0.7812	-0.5385 to 0.3352	-0.4902 to 0.3478
0.08174 to 0.6839	-0.09792 to 0.5853	-0.04735 to 0.6088	-0.4062 to 0.4565	-0.4960 to 0.3208
0.04091 to 0.6614	0.05382 to 0.6765	0.3981 to 0.8261	-0.5294 to 0.3227	-0.5522 to 0.2495
0.1206 to 0.7042	0.08777 to 0.6946	0.2517 to 0.7664	-0.4948 to 0.3641	-0.5662 to 0.2304
0.1984 to 0.7422	0.1646 to 0.7328	0.4097 to 0.8305	-0.5574 to 0.2866	-0.6033 to 0.1763
0.2586 to 0.7695	-0.02748 to 0.6299	0.1939 to 0.7401	-0.5961 to 0.2326	-0.5923 to 0.1929
0.4107 to 0.8308	0.009718 to 0.6518	0.2404 to 0.7614	-0.6308 to 0.1792	-0.6250 to 0.1425
-0.1522 to 0.5479	-0.3915 to 0.3544	-0.3482 to 0.3845	-0.4599 to 0.4248	-0.4035 to 0.4393
-0.01395 to 0.6380	-0.3511 to 0.3947	-0.2951 to 0.4338	-0.5112 to 0.3682	-0.4560 to 0.3860

General activity	Normal work	Walking ability	Sexual ability
-0.4653 to 0.2452	-0.4066 to 0.3121	-0.2419 to 0.4680	-0.4797 to 0.2865
-0.06616 to 0.5968	-0.2042 to 0.4985	-0.4185 to 0.2991	-0.2927 to 0.4745
-0.07033 to 0.5941	-0.3757 to 0.3447	-0.3784 to 0.3419	-0.3014 to 0.4671
0.3899 to 0.8230	0.1711 to 0.7293	-0.1302 to 0.5535	0.2222 to 0.7792
-0.1421 to 0.5451	-0.4153 to 0.3027	-0.3620 to 0.3585	-0.3703 to 0.4042
0.1740 to 0.7307	-0.02030 to 0.6256	-0.08959 to 0.5814	0.05834 to 0.7043
-0.1176 to 0.5623	-0.3732 to 0.3472	-0.3496 to 0.3709	-0.3814 to 0.3933
0.1765 to 0.7319	-0.08919 to 0.5817	-0.3230 to 0.3965	0.1656 to 0.7550
0.1638 to 0.7257	0.1444 to 0.7162	0.02710 to 0.6536	-0.09437 to 0.6186
0.3379 to 0.8027	0.1320 to 0.7100	0.09873 to 0.6929	0.1068 to 0.7281
0.2776 to 0.7777	0.006697 to 0.6417	-0.1155 to 0.5638	0.04801 to 0.6990
0.08346 to 0.7002	0.06472 to 0.6904	-0.2672 to 0.4701	0.3901 to 0.8531
0.01934 to 0.6573	-0.05929 to 0.6103	-0.1405 to 0.5562	-0.1284 to 0.6086
0.1572 to 0.7293	-0.03135 to 0.6276	-0.1615 to 0.5412	0.2412 to 0.7939
-0.1608 to 0.5417	-0.2648 to 0.4602	-0.3373 to 0.3950	-0.2312 to 0.5373
0.03694 to 0.7335	0.2294 to 0.8120	0.2010 to 0.8016	0.1966 to 0.8177
0.3799 to 0.8192	0.1083 to 0.6978	-0.1771 to 0.5193	0.005318 to 0.6765
0.1415 to 0.7148	-0.07712 to 0.5896	-0.2151 to 0.4899	-0.1283 to 0.5970
-0.05221 to 0.6147	0.05464 to 0.6769	-0.2577 to 0.4661	0.07156 to 0.7199
0.3403 to 0.8037	0.3811 to 0.8196	0.02064 to 0.6498	0.06954 to 0.7099
-0.5294 to 0.3226	-0.5382 to 0.3117	-0.6352 to 0.1721	-0.2996 to 0.6283
-0.5123 to 0.3011	-0.5878 to 0.1995	-0.5862 to 0.2019	-0.3792 to 0.5233
	0.3278 to 0.7986	-0.01633 to 0.6280	0.2558 to 0.7928
0.3278 to 0.7986		0.4525 to 0.8461	0.2530 to 0.7917
-0.01633 to 0.6280	0.4525 to 0.8461		-0.1218 to 0.6012
0.2558 to 0.7928	0.2530 to 0.7917	-0.1218 to 0.6012	
0.6925 to 0.9227	0.4526 to 0.8461	0.02463 to 0.6521	0.4482 to 0.8617
0.2346 to 0.7588	0.2623 to 0.7711	0.07826 to 0.6820	0.6500 to 0.9206
0.4640 to 0.8541	0.2954 to 0.7907	-0.03656 to 0.6244	0.4427 to 0.8599
0.2490 to 0.7653	-0.05091 to 0.6065	-0.09305 to 0.5791	0.1170 to 0.7329
0.6531 to 0.9113	0.7876 to 0.9488	0.4401 to 0.8416	0.5631 to 0.8966
0.5443 to 0.8775	0.3352 to 0.8016	0.05350 to 0.6685	0.5704 to 0.8987
0.6903 to 0.9221	0.5593 to 0.8823	0.2094 to 0.7474	0.5770 to 0.9006
0.08435 to 0.6852	0.02439 to 0.6520	-0.1426 to 0.5447	-0.05396 to 0.6430
0.02752 to 0.6538	-0.03027 to 0.6195	-0.1143 to 0.5646	-0.06808 to 0.6347
-0.4528 to 0.2734	-0.3871 to 0.3455	-0.2111 to 0.5038	-0.3006 to 0.4820
-0.4710 to 0.2519	-0.4066 to 0.3250	-0.1726 to 0.5331	-0.2884 to 0.4921

Mood	Relations w/ others	Enjoyment of life	Sleep	BPI Physical interferences average
-0.6274 to 0.01730	-0.4384 to 0.2768	-0.4485 to 0.2783	-0.5266 to 0.1674	-0.4147 to 0.3032
-0.1596 to 0.5324	-0.3168 to 0.4022	-0.1002 to 0.5838	-0.06906 to 0.5949	-0.1993 to 0.5023
0.0003838 to 0.6380	-0.04120 to 0.6127	-0.08961 to 0.5908	0.1231 to 0.7055	-0.2331 to 0.4753
0.4349 to 0.8398	0.1530 to 0.7204	0.3766 to 0.8226	0.2977 to 0.7862	0.3515 to 0.8081
-0.1588 to 0.5329	-0.3258 to 0.3938	-0.2556 to 0.4679	-0.07072 to 0.5938	-0.2923 to 0.4246
0.2481 to 0.7648	0.2023 to 0.7441	0.06696 to 0.6836	0.2567 to 0.7686	0.1709 to 0.7292
-0.1320 to 0.5523	-0.08937 to 0.5815	-0.09197 to 0.5893	0.08321 to 0.6846	-0.2723 to 0.4422
0.2826 to 0.7798	0.1064 to 0.6969	0.07818 to 0.6896	0.3661 to 0.8138	0.09854 to 0.6928
0.1840 to 0.7354	0.08790 to 0.6871	0.1673 to 0.7342	0.1224 to 0.7051	0.2063 to 0.7459
0.2305 to 0.7570	0.1135 to 0.7005	0.2271 to 0.7615	0.2258 to 0.7549	0.3654 to 0.8136
0.3053 to 0.7894	0.1572 to 0.7225	0.2019 to 0.7502	0.3400 to 0.8035	0.2066 to 0.7461
0.2959 to 0.7965	0.2453 to 0.7757	0.05765 to 0.6952	-0.05747 to 0.6209	0.2061 to 0.7587
0.1472 to 0.7245	-0.01577 to 0.6369	0.1657 to 0.7403	0.005678 to 0.6495	0.009551 to 0.6517
0.2223 to 0.7594	0.1842 to 0.7421	-0.06068 to 0.6189	0.02580 to 0.6610	0.1962 to 0.7476
-0.1520 to 0.5480	-0.05234 to 0.6147	-0.3916 to 0.3543	-0.2451 to 0.4766	-0.1947 to 0.5165
0.3409 to 0.8495	0.5452 to 0.9071	0.2744 to 0.8277	-0.03702 to 0.6974	0.3325 to 0.8468
0.2495 to 0.7655	0.01932 to 0.6491	0.2854 to 0.7865	0.1852 to 0.7360	0.2318 to 0.7576
0.06307 to 0.6737	-0.1422 to 0.5450	0.1575 to 0.7295	0.08174 to 0.6839	0.04091 to 0.6614
0.01718 to 0.6561	0.08202 to 0.6916	0.1080 to 0.7126	-0.09792 to 0.5853	0.05382 to 0.6765
0.3522 to 0.8084	0.09862 to 0.6928	0.2725 to 0.7812	-0.04735 to 0.6088	0.3981 to 0.8261
-0.4932 to 0.3658	-0.5353 to 0.3153	-0.5385 to 0.3352	-0.4062 to 0.4565	-0.5294 to 0.3227
-0.5699 to 0.2252	-0.6458 to 0.1081	-0.4902 to 0.3478	-0.4960 to 0.3208	-0.5522 to 0.2495
0.6925 to 0.9227	0.2346 to 0.7588	0.4640 to 0.8541	0.2490 to 0.7653	0.6531 to 0.9113
0.4526 to 0.8461	0.2623 to 0.7711	0.2954 to 0.7907	-0.05091 to 0.6065	0.7876 to 0.9488
0.02463 to 0.6521	0.07826 to 0.6820	-0.03656 to 0.6244	-0.09305 to 0.5791	0.4401 to 0.8416
0.4482 to 0.8617	0.6500 to 0.9206	0.4427 to 0.8599	0.1170 to 0.7329	0.5631 to 0.8966
	0.5453 to 0.8778	0.6167 to 0.9030	0.3985 to 0.8262	0.6717 to 0.9167
0.5453 to 0.8778		0.4248 to 0.8403	0.2107 to 0.7479	0.4778 to 0.8550
0.6167 to 0.9030	0.4248 to 0.8403		0.3672 to 0.8190	0.4790 to 0.8593
0.3985 to 0.8262	0.2107 to 0.7479	0.3672 to 0.8190		0.1727 to 0.7301
0.6717 to 0.9167	0.4778 to 0.8550	0.4790 to 0.8593	0.1727 to 0.7301	
0.8440 to 0.9633	0.6759 to 0.9180	0.8027 to 0.9540	0.6697 to 0.9162	0.5949 to 0.8936
0.8551 to 0.9660	0.6477 to 0.9097	0.7490 to 0.9402	0.5151 to 0.8678	0.8266 to 0.9589
0.1683 to 0.7279	-0.03634 to 0.6157	0.1116 to 0.7069	-0.03523 to 0.6164	0.09238 to 0.6895
0.09731 to 0.6921	-0.08824 to 0.5823	0.1214 to 0.7118	0.01408 to 0.6460	0.05916 to 0.6716
-0.4306 to 0.2987	-0.4158 to 0.3150	-0.4370 to 0.3054	-0.3948 to 0.3375	-0.3317 to 0.4003
-0.4500 to 0.2767	-0.4366 to 0.2919	-0.4100 to 0.3349	-0.3482 to 0.3845	-0.3328 to 0.3993

BPI Psychological interferences average	BPI Average pain score
-0.5419 to 0.1465	-0.4918 to 0.2127
-0.1145 to 0.5645	-0.1118 to 0.5663
0.06006 to 0.6721	-0.002879 to 0.6360
0.4573 to 0.8478	0.5411 to 0.8764
-0.1758 to 0.5203	-0.1731 to 0.5223
0.3039 to 0.7888	0.3411 to 0.8040
-0.006583 to 0.6338	-0.04200 to 0.6122
0.3270 to 0.7983	0.3118 to 0.7921
0.2404 to 0.7614	0.3168 to 0.7941
0.3128 to 0.7925	0.4429 to 0.8426
0.3786 to 0.8187	0.4247 to 0.8360
0.2124 to 0.7614	0.2460 to 0.7760
0.1539 to 0.7277	0.1281 to 0.7151
0.1639 to 0.7325	0.2085 to 0.7532
-0.2091 to 0.5054	-0.1855 to 0.5235
0.4059 to 0.8693	0.4027 to 0.8683
0.2804 to 0.7789	0.4152 to 0.8325
0.1206 to 0.7042	0.1984 to 0.7422
0.08777 to 0.6946	0.1646 to 0.7328
0.2517 to 0.7664	0.4097 to 0.8305
-0.4948 to 0.3641	-0.5574 to 0.2866
-0.5662 to 0.2304	-0.6033 to 0.1763
0.5443 to 0.8775	0.6903 to 0.9221
0.3352 to 0.8016	0.5593 to 0.8823
0.05350 to 0.6685	0.2094 to 0.7474
0.5704 to 0.8987	0.5770 to 0.9006
0.8440 to 0.9633	0.8551 to 0.9660
0.6759 to 0.9180	0.6477 to 0.9097
0.8027 to 0.9540	0.7490 to 0.9402
0.6697 to 0.9162	0.5151 to 0.8678
0.5949 to 0.8936	0.8266 to 0.9589
	0.9189 to 0.9815
0.9189 to 0.9815	
0.1281 to 0.7080	0.1829 to 0.7349
0.1132 to 0.7004	0.1720 to 0.7297
-0.4154 to 0.3155	-0.3855 to 0.3472
-0.4039 to 0.3278	-0.3687 to 0.3643

Supplementary Figure S1.

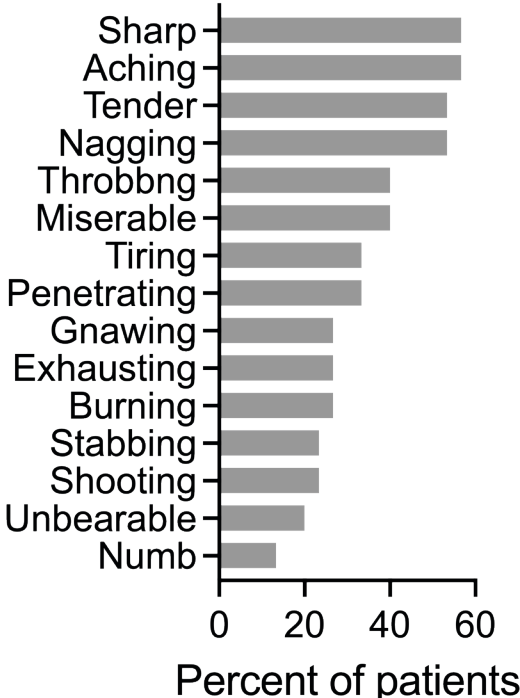


Figure S1. Quality of pretreatment oral cancer pain. Percent of newly diagnosed patients reporting the quality of their pain according to each of the descriptors provided on the BPI.