

Tables and Figures

Table	1	Response Rates for GuLF Study Enrollment and Home Visit
Table	2	Characteristics at Enrollment: Full Cohort, Non-Vietnamese Speaking Participants, and Vietnamese Speaking Participants
Table	3	Characteristics at Enrollment: Full Cohort, 5 Gulf States, and Home Visit Participants
Table	4	Characteristics at Enrollment by Daily Maximum Ordinal THC Level
Table	5	Response Rates for GuLF Study Follow-up and SAMHSA Interviews
Table	6	Follow-Up Telephone Questionnaire Status: Overall, In Gulf, and Out of Gulf Samples
Table	7	SAMHSA Interview Status
Table	8	Characteristics at Enrollment Among Participants Selected for Follow-Up: Overall and by Completion
Table	9	Characteristics at Enrollment Among Participants Selected for Follow-Up Questionnaire by Follow-Up Disposition and Completion Date
Table	10	Characteristics at Enrollment: Full Cohort, Follow-Up, and SAMHSA Baseline Participants
Table	11	SAMHSA Baseline and Follow-up Completion Rates
Table	12	Self-Reported Adverse Mental Health Symptom Scale Responses Across SAMHSA Interviews
Table	13	Self-Reported Adverse Mental Health Symptom Scale Responses Across SAMHSA Interviews Among Participants who Completed All SAMHSA Interviews
Table	14	Clinical Exam Status: Overall and by Site
Table	15	Characteristics at Enrollment: Full Cohort, 5 Gulf States, and Clinical Exam Participants
Table	16	Characteristics at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status
Table	17	Characteristics at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Site
Table	18	Health Characteristics at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status
Table	19	Self-Reported Symptoms at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status
Table	20	Self-Reported Stress and Adverse Mental Health Symptom Scale Responses at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status
Table	21	Clinical Exam Procedural Completion
Table	22	Listing of Job Groups
Table	23	Job Groups by Location
Table	24	Number of Job Groups Per Participant
Table	25	Categories of Rig Jobs

Table 1. Response Rates for GuLF Study Enrollment and Home Visit

Study Event	Eligible N	Contacted		Enrolled or Completed		
		N	%	Response ¹ N	%	Participation ² %
Enrollment Questionnaire	58,923	36,351	61.7	32,608	89.7	55.3
Home Visit ³	25,444	13,355	52.5	11,193	83.8	44.0

¹ Response rate is calculated as the number enrolled or completed divided by the number contacted

² Participation rate is calculated as the number enrolled or completed divided by the number eligible

³ The number eligible represents enrolled participants living in the Gulf states, including coastal counties in east TX; the Vietnamese cohort were not selected for home visit. The number contacted represents participants reached for scheduling and includes those who scheduled but did not completed (n=25), refused (n=2,137), and completed (n=11,193).

Table 2. Characteristics at Enrollment: Full Cohort, Non-Vietnamese Speaking Participants, and Vietnamese Speaking Participants¹

Characteristic ²	Full Cohort N=32,608		Non-Vietnamese N=31,609		Vietnamese N=999	
	N	%	N	%	N	%
Age						
< 30	6,262	19.3	6,223	19.8	39	3.9
30-45	12,074	37.2	11,813	37.5	261	26.2
> 45	14,160	43.6	13,464	42.7	696	69.9
Gender						
Male	26,341	80.8	25,502	80.7	839	84.0
Female	6,265	19.2	6,105	19.3	160	16.0
Race						
White	20,183	62.2	20,183	64.2		
Black	7,375	22.7	7,375	23.5		
Asian	1,273	3.9	274	0.9		
Other/multi-racial	3,616	11.1	3,616	11.5		
Hispanic Ethnicity						
Yes	2,067	6.4	2,067	6.6		
No	30,443	93.6	29,444	93.4		
Location at Enrollment						
AL	5,918	18.1	5,852	18.5	66	6.6
FL	6,975	21.4	6,910	21.9	65	6.5
LA	7,856	24.1	7,308	23.1	548	54.9
MS	4,242	13.0	3,982	12.6	260	26.0
TX	1,836	5.6	1,795	5.7	41	4.1
Other	5,781	17.7	5,762	18.2	19	1.9
Marital Status						
Married/living as married	18,337	56.7	17,614	56.1	723	81.1
Divorced/separated/widowed	6,137	19.0	6,065	19.3	72	8.1
Never married	7,840	24.3	7,744	24.6	96	10.8
Number of Children in Home						
No children living in home	17,962	57.1	17,962	57.1		
1 or more children living in home	13,494	42.9	13,493	42.9		
Educational Attainment						
Less than high school/equivalent	5,099	16.2	5,099	16.2		
High school diploma/GED	9,437	30.0	9,436	30.0		
Some college/2 year degree	9,382	29.8	9,382	29.8		
4 year college graduate or more	7,584	24.1	7,584	24.1		
Annual Household Income						
Less than or equal to \$20,000	8,260	29.2	8,260	29.2	154	30.0
\$20,001 to \$50,000	9,060	32.0	9,060	32.0	175	34.1
More than \$50,000	11,001	38.8	11,001	38.8	184	35.9
Worked at Least 1 Day on Clean-Up						
Yes	24,954	76.5	24,375	77.1	579	58.0
No	7,654	23.5	7,234	22.9	420	42.0
Daily Maximum THC Ordinal Level^{3,4}						
Non-worker	7,234	23.0				
THC ≤ 0.29 ppm	5,660	18.0				
THC 0.3 - 0.99 ppm	7,651	24.3				
THC 1.0 - 2.99 ppm	7,531	23.9				
THC ≥ 3 ppm	3,418	10.9				

¹ Current as of 02/03/2016

² The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

³ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁴ Excludes participants who were workers starting after 12/31/2010 and have no exposure level and the Vietnamese cohort

Table 3. Characteristics at Enrollment: Full Cohort¹, 5 Gulf States, and Home Visit Participants²

Characteristic ³	Full Cohort N=31,609		Living in 5 Gulf States N=25,848		Home Visit N=11,193	
	N	%	N	%	N	%
Age						
< 30	6,223	19.8	5,027	19.5	1,973	17.6
30-45	11,813	37.5	9,298	36.1	3,931	35.1
> 45	13,464	42.7	11,436	44.4	5,282	47.2
Gender						
Male	25,502	80.7	20,826	80.6	8,752	78.2
Female	6,105	19.3	5,020	19.4	2,441	21.8
Race						
White	20,183	64.2	15,651	60.8	5,953	53.4
Black	7,375	23.5	6,957	27.0	3,863	34.6
Asian	274	0.9	189	0.7	61	0.5
Other/multi-racial	3,616	11.5	2,925	11.4	1,274	11.4
Hispanic Ethnicity						
Yes	2,067	6.6	1,638	6.4	662	5.9
No	29,444	93.4	24,132	93.6	10,501	94.1
Location at Enrollment						
AL	5,853	18.5	5,853	22.6	2,959	26.4
FL	6,910	21.9	6,910	26.7	3,223	28.8
LA	7,308	23.1	7,308	28.3	2,743	24.5
MS	3,981	12.6	3,981	15.4	1,930	17.2
TX	1,796	5.7	1,796	6.9	338	3.0
Other	5,761	18.2				
Marital Status						
Married/living as married	17,614	56.1	13,865	53.9	5,577	50.0
Divorced/separated/widowed	6,065	19.3	5,302	20.6	2,610	23.4
Never married	7,744	24.6	6,543	25.4	2,961	26.6
Number of Children in Home						
No children living in home	17,962	57.1	14,644	56.9	6,392	57.2
1 or more children living in home	13,493	42.9	11,092	43.1	4,784	42.8
Educational Attainment						
Less than high school/equivalent	5,099	16.2	4,887	19.0	2,378	21.3
High school diploma/GED	9,436	30.0	8,432	32.7	3,789	34.0
Some college/2 year degree	9,382	29.8	7,703	29.9	3,351	30.0
4 year college graduate or more	7,584	24.1	4,735	18.4	1,640	14.7
Annual Household Income						
Less than or equal to \$20,000	8,260	29.2	7,823	33.8	4,165	40.1
\$20,001 to \$50,000	9,060	32.0	7,615	32.9	3,461	33.3
More than \$50,000	11,001	38.8	7,689	33.2	2,771	26.7
Worked at Least 1 Day on Clean-Up						
Yes	24,375	77.1	19,407	75.1	8,968	80.1
No	7,234	22.9	6,441	24.9	2,225	19.9
Daily Maximum THC Ordinal Level^{4,5}						
Non-worker	7,234	23.0	6,441	25.0	2,225	20.0
THC ≤ 0.29 ppm	5,660	18.0	3,705	14.4	1,360	12.2
THC 0.3 - 0.99 ppm	7,651	24.3	6,381	24.8	3,213	28.8
THC 1.0 - 2.99 ppm	7,531	23.9	6,525	25.3	3,032	27.2
THC ≥ 3 ppm	3,418	10.9	2,717	10.5	1,321	11.8

¹ Excludes Vietnamese participants

² Current as of 02/03/2016

³ The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

⁴ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁵ Excludes participants who were workers starting after 12/31/2010 and have no exposure level

Table 4. Characteristics at Enrollment by Daily Maximum Ordinal THC Level^{1,2}

Characteristic ³	Daily Maximum Ordinal THC Level									
	Nonworkers N=7,234		THC ≤ 0.29 ppm N=5,660		THC 0.3 - 0.99 ppm N=7,651		THC 1.0 - 2.99 ppm N=7,531		THC ≥ 3 ppm N=3,418	
	N	%	N	%	N	%	N	%	N	%
Age										
< 30	1,225	17.0	909	16.2	1,676	21.9	1,503	20.0	885	25.9
30-45	2,433	33.8	2,217	39.5	2,861	37.5	2,803	37.3	1,461	42.8
> 45	3,549	49.2	2,490	44.3	3,099	40.6	3,210	42.7	1,066	31.2
Gender										
Male	5,420	74.9	4,008	70.8	6,029	78.8	6,822	90.6	3,139	91.8
Female	1,812	25.1	1,652	29.2	1,622	21.2	709	9.4	279	8.2
Race										
White	4,491	62.4	4,057	72.1	4,506	59.2	5,210	69.5	1,857	54.5
Black	1,787	24.8	995	17.7	2,196	28.8	1,289	17.2	1,067	31.3
Asian	85	1.2	52	0.9	46	0.6	66	0.9	25	0.7
Other/multi-racial	831	11.6	520	9.2	866	11.4	929	12.4	458	13.4
Hispanic Ethnicity										
Yes	397	5.5	325	5.8	545	7.1	499	6.7	294	8.6
No	6,810	94.5	5,321	94.2	7,092	92.9	6,998	93.3	3,116	91.4
Location at Enrollment										
AL	1,402	19.4	1,079	19.1	1,375	18.0	1,536	20.4	441	12.9
FL	1,925	26.6	684	12.1	2,773	36.2	1,202	16.0	309	9.0
LA	1,959	27.1	854	15.1	967	12.6	2,346	31.2	1,165	34.1
MS	862	11.9	624	11.0	862	11.3	1,107	14.7	506	14.8
TX	293	4.1	464	8.2	404	5.3	334	4.4	296	8.7
Other	793	11.0	1,955	34.5	1,270	16.6	1,006	13.4	701	20.5
Marital Status										
Married/living as married	3,933	54.8	3,519	62.8	3,948	51.8	4,370	58.3	1,790	52.5
Divorced/separated/widowed	1,507	21.0	912	16.3	1,493	19.6	1,476	19.7	653	19.2
Never married	1,735	24.2	1,176	21.0	2,180	28.6	1,651	22.0	966	28.3
Number of Children in Home										
No children living in home	4,443	61.8	3,227	57.5	4,349	57.0	4,154	55.4	1,726	50.6
1 or more children living in home	2,747	38.2	2,381	42.5	3,283	43.0	3,346	44.6	1,684	49.4
Educational Attainment										
Less than high school/equivalent	1,277	17.8	407	7.2	1,220	16.0	1,518	20.2	663	19.4
High school diploma/GED	2,278	31.7	1,081	19.2	2,423	31.7	2,463	32.8	1,159	34.0
Some college/2 year degree	2,081	28.9	1,524	27.0	2,371	31.1	2,309	30.7	1,071	31.4
4 year college graduate or more	1,558	21.7	2,627	46.6	1,620	21.2	1,219	16.2	517	15.2
Annual Household Income										
Less than or equal to \$20,000	2,186	34.8	883	17.4	2,588	37.3	1,695	24.9	867	27.8
\$20,001 to \$50,000	2,002	31.9	1,272	25.1	2,204	31.8	2,418	35.5	1,135	36.4
More than \$50,000	2,090	33.3	2,907	57.4	2,143	30.9	2,704	39.7	1,119	35.9

¹ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

² Current as of 02/03/2016

³ The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

Table 5. Response Rates for GuLF Study Follow-up and SAMHSA Interviews¹

Study Event	Eligible N	Contacted		Completed		
		N	%	Responded ² N	%	Participated ³ %
Follow-up Questionnaire						
Main Follow-up	31,365	22,199	70.8	19,120	86.1	61.0
<i>Abbreviated Follow-up</i> ⁴	11,409	1,860	16.3	1,472	79.1	12.9
Main and Abbreviated Follow-up	31,365	24,059	76.7	20,592	85.6	65.7
Mental Health Interview (SAMSHA) - Baseline ⁵	4,370	4,187	95.8	2,859	68.3	65.4
Follow-up 6 Month	2,859	1,875	65.6	1,822	97.2	63.7
Follow-up 12 Month	2,859	1,908	66.7	1,741	91.2	60.9
Follow-up 24 Month ⁶	2,859	1,281	44.8	1,124	87.7	64.4

¹ Current as of 02/03/2016

² Response rate is calculated as the number completed divided by the number contacted

³ Participation rate is calculated as the number completed divided by the number eligible

⁴ Abbreviated follow-up began 12/01/2015; still in progress

⁵ There were 6,458 participants selected for SAMSHA; of those participants, 4,370 completed the follow-up interview and were asked to participate in the mental health interview

⁶ Interviews still in progress

Table 6. Follow-Up Telephone Questionnaire Status: Overall, In Gulf, and Out of Gulf Samples¹

Follow-Up Status	Inside Gulf		Outside Gulf	Total
	Completed Home Visit	Not Completed Home Visit		
Flagged for Follow-Up	11,193	14,445	5,727	31,365
Contacted	9,123	8,338	4,377	21,838
Completed	8,841	6,338	3,941	19,120
Participant Deceased/Incapacitated	83	93	18	194
Refused ²	199	1,907	418	2,524
Uncontactable ²	1,799	5,459	1,160	8,418
Max attempts	667	3,229	792	4,688
Out of service	915	1,647	239	2,801
Wrong number	177	512	88	777
Unavailable	40	71	41	152
<i>Abbreviated follow-up completed</i>	<i>346</i>	<i>868</i>	<i>258</i>	<i>1,472</i>
Interim Contact rate (Contacted/Flagged) ³	81.5%	57.7%	76.4%	69.6%
Interim Response rate (Completed/Contacted) ³	96.9%	76.0%	90.0%	87.6%
Interim Participation rate (Completed/Flagged) ³	79.0%	43.9%	68.8%	61.0%
<i>Participation rate (Completed + Abbreviated follow-up completed/Flagged)</i>	<i>82.1%</i>	<i>49.9%</i>	<i>73.3%</i>	<i>65.7%</i>

¹ Current as of 02/03/2016

² Participants who refused or were uncontactable during the follow-up period have been selected for the abbreviated follow-up interview

³ Rates presented here will change based on the completion of the abbreviated follow-up effort

Table 7. SAMHSA Interview Status¹

Baseline SAMHSA Status	Baseline	6-Month	12-Month	24-Month
Flagged for SAMHSA and Completed Follow-Up Interview ²	4,370	2,859	2,859	2,859
Pending	0	0	0	1,040
Not Released	0	0	0	504
Calling in Progress	0	0	0	536
Finalized	4,370	2,859	2,859	1,819
Contacted	4,187	1,875	1,908	1,304
Completed	2,859	1,822	1,741	1,145
Participant deceased/incapacitated	48	12	12	7
Refused	1,280	41	155	152
Uncontactable	2,271	984	951	515
Max attempts	1,259	790	585	173
Out of service	832	135	247	220
Wrong number	139	57	106	111
Unavailable	41	2	13	11
Contact rate (Contacted/Finalized)	95.8%	65.6%	66.7%	71.7%
Response rate (Completed/Contacted)	68.3%	97.2%	91.2%	87.8%
Participation rate (Completed/Finalized)	65.4%	63.7%	60.9%	62.9%

¹ Current as of 02/03/2016

² There were 6,458 participants selected for SAMHSA; of those participants, 4,370 completed the follow-up interview and were asked to participate in the mental health interview

Table 8. Characteristics at Enrollment Among Participants Selected for Follow-Up: Overall and by Completion¹

Characteristic ²	Follow-Up Eligible ³ N=31,365		Follow-Up Status			
	N	%	Completed N=19,120		Not Completed N=12,245	
	N	%	N	%	N	%
Age						
< 30	6,192	19.8	3,045	16.0	3,147	25.8
30-45	11,732	37.5	6,719	35.2	5,013	41.1
> 45	13,335	42.7	9,306	48.8	4,029	33.1
Gender						
Male	25,316	80.7	15,299	80.0	10,017	81.8
Female	6,047	19.3	3,821	20.0	2,226	18.2
Race						
White	19,989	64.1	12,400	65.1	7,589	62.4
Black	7,344	23.5	4,309	22.6	3,035	24.9
Asian	273	0.9	142	0.7	131	1.1
Other/multi-racial	3,599	11.5	2,183	11.5	1,416	11.6
Hispanic Ethnicity						
Yes	2,061	6.6	1,182	6.2	879	7.2
No	29,207	93.4	17,881	93.8	11,326	92.8
Location at Enrollment						
AL	5,812	18.5	3,507	18.3	2,305	18.8
FL	6,850	21.8	4,099	21.4	2,751	22.5
LA	7,252	23.1	4,106	21.5	3,146	25.7
MS	3,952	12.6	2,419	12.7	1,533	12.5
TX	1,773	5.7	1,048	5.5	725	5.9
Other	5,726	18.3	3,941	20.6	1,785	14.6
Marital Status						
Married/living as married	17,458	56.0	11,052	58.1	6,406	52.7
Divorced/separated/widowed	6,028	19.3	3,712	19.5	2,316	19.0
Never married	7,697	24.7	4,252	22.4	3,445	28.3
Number of Children in Home						
No children living in home	17,802	57.0	11,258	59.1	6,544	53.8
1 or more children living in home	13,410	43.0	7,786	40.9	5,624	46.2
Educational Attainment						
Less than high school/equivalent	5,079	16.2	2,843	14.9	2,236	18.3
High school diploma/GED	9,382	30.0	5,320	27.9	4,062	33.3
Some college/2 year degree	9,302	29.8	5,666	29.7	3,636	29.8
4 year college graduate or more	7,497	24.0	5,237	27.5	2,260	18.5
Annual Household Income						
Less than or equal to \$20,000	8,227	29.3	4,616	26.7	3,611	33.4
\$20,001 to \$50,000	9,003	32.0	5,372	31.1	3,631	33.5
More than \$50,000	10,891	38.7	7,310	42.3	3,581	33.1
Worked at Least 1 Day on Clean-Up						
Yes	24,224	77.2	15,193	79.5	9,031	73.8
No	7,141	22.8	3,927	20.5	3,214	26.2
Daily Maximum THC Ordinal Level^{4,5}						
Non-worker	7,141	22.9	3,927	20.6	3,214	26.3
THC ≤ 0.29 ppm	5,605	17.9	3,670	19.3	1,935	15.8
THC 0.3 - 0.99 ppm	7,617	24.4	4,753	25.0	2,864	23.4
THC 1.0 - 2.99 ppm	7,485	24.0	4,621	24.3	2,864	23.4
THC ≥ 3 ppm	3,402	10.9	2,061	10.8	1,341	11.0

¹ Current as of 02/03/2016

² The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

³ Includes 194 deceased/incapacitated participants

⁴ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁵ Excludes participants who were workers starting after 12/31/2010 and have no exposure level

Table 9. Characteristics at Enrollment Among Participants Selected for Follow-Up Questionnaire by Follow-Up Disposition and Completion Date¹

Characteristic ²	Incentivized							
	Follow-Up Eligible ³ N=31,365		No ⁴ N=17,391		Yes ⁵ N=1,729		Not Completed N=12,245	
	N	%	N	%	N	%	N	%
Age								
< 30	6,192	19.8	2,697	15.6	348	20.1	3,147	25.8
30-45	11,732	37.5	6,023	34.7	696	40.3	5,013	41.1
> 45	13,335	42.7	8,622	49.7	684	39.6	4,029	33.1
Gender								
Male	25,316	80.7	13,985	80.4	1,314	76.0	10,017	81.8
Female	6,047	19.3	3,406	19.6	415	24.0	2,226	18.2
Race								
White	19,989	64.1	11,548	66.7	852	49.5	7,589	62.4
Black	7,344	23.5	3,672	21.2	637	37.0	3,035	24.9
Asian	273	0.9	131	0.8	11	0.6	131	1.1
Other/multi-racial	3,599	11.5	1,961	11.3	222	12.9	1,416	11.6
Hispanic Ethnicity								
Yes	2,061	6.6	1,061	6.1	121	7.0	879	7.2
No	29,207	93.4	16,278	93.9	1,603	93.0	11,326	92.8
Location at Enrollment								
AL	5,812	18.5	3,104	17.8	403	23.3	2,305	18.8
FL	6,850	21.8	3,764	21.6	335	19.4	2,751	22.5
LA	7,252	23.1	3,702	21.3	404	23.4	3,146	25.7
MS	3,952	12.6	2,106	12.1	313	18.1	1,533	12.5
TX	1,773	5.7	984	5.7	64	3.7	725	5.9
Other	5,726	18.3	3,731	21.5	210	12.1	1,785	14.6
Marital Status								
Married/living as married	17,458	56.0	10,247	59.2	805	46.9	6,406	52.7
Divorced/separated/widowed	6,028	19.3	3,351	19.4	361	21.0	2,316	19.0
Never married	7,697	24.7	3,702	21.4	550	32.1	3,445	28.3
Number of Children in Home								
No children living in home	17,802	57.0	10,322	59.6	936	54.2	6,544	53.8
1 or more children living in home	13,410	43.0	6,995	40.4	791	45.8	5,624	46.2
Educational Attainment								
Less than high school/equivalent	5,079	16.2	2,480	14.3	363	21.0	2,236	18.3
High school diploma/GED	9,382	30.0	4,716	27.2	604	35.0	4,062	33.3
Some college/2 year degree	9,302	29.8	5,164	29.8	502	29.1	3,636	29.8
4 year college graduate or more	7,497	24.0	4,980	28.7	257	14.9	2,260	18.5
Annual Household Income								
Less than or equal to \$20,000	8,227	29.3	3,948	25.1	668	42.3	3,611	33.4
\$20,001 to \$50,000	9,003	32.0	4,864	30.9	508	32.2	3,631	33.5
More than \$50,000	10,891	38.7	6,907	43.9	403	25.5	3,581	33.1
Worked at Least 1 Day on Clean-Up								
Yes	24,224	77.2	13,791	79.3	1,402	81.1	9,031	73.8
No	7,141	22.8	3,600	20.7	327	18.9	3,214	26.2
Proximity to Oil Spill								
Direct contact	17,138	54.6	9,031	51.9	1,181	68.3	6,926	56.6
Indirect contact	2,072	6.6	1,068	6.1	107	6.2	897	7.3
Other Gulf state residence	6,429	20.5	3,561	20.5	231	13.4	2,637	21.5
Non-Gulf state residence	5,726	18.3	3,731	21.5	210	12.1	1,785	14.6
Daily Maximum THC Ordinal Level^{6,7}								
Non-worker	7,141	22.9	3,600	20.8	327	19.0	3,214	26.3
THC ≤ 0.29 ppm	5,605	17.9	3,410	19.7	260	15.1	1,935	15.8
THC 0.3 - 0.99 ppm	7,617	24.4	4,302	24.8	451	26.2	2,864	23.4
THC 1.0 - 2.99 ppm	7,485	24.0	4,164	24.1	457	26.6	2,864	23.4
THC ≥ 3 ppm	3,402	10.9	1,836	10.6	225	13.1	1,341	11.0

¹ Current as of 02/03/2016

² The n's for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

³ Includes 194 deceased/incapacitated study participants

⁴ Interviews completed as of 10/8/2014; efforts included expanded call attempts, batch tracing, postcards, refusal conversion, and calls to secondary contacts

⁵ Interviews completed after 10/8/2014; efforts included update mailing encouraging participation, gift card offer to all non-responders, and exam invitations for eligible participants

⁶ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁷ Excludes participants who were workers starting after 12/31/2010 and have no exposure level

Table 10. Characteristics at Enrollment: Full Cohort¹, Follow-Up, and SAMHSA Baseline Participants²

Characteristic ³	Full Cohort N=31,609		Follow-Up N=19,120		SAMHSA Baseline N=2,859	
	N	%	N	%	N	%
Age						
< 30	6,223	19.8	3,045	16.0	394	13.8
30-45	11,813	37.5	6,719	35.2	997	34.9
> 45	13,464	42.7	9,306	48.8	1,468	51.3
Gender						
Male	25,502	80.7	15,299	80.0	2,152	75.3
Female	6,105	19.3	3,821	20.0	707	24.7
Race						
White	20,183	64.2	12,400	65.1	1,600	56.1
Black	7,375	23.5	4,309	22.6	907	31.8
Asian	274	0.9	142	0.7	13	0.5
Other/multi-racial	3,616	11.5	2,183	11.5	333	11.7
Hispanic Ethnicity						
Yes	2,067	6.6	1,182	6.2	121	4.2
No	29,444	93.4	17,881	93.8	2,732	95.8
Location at Enrollment						
AL	5,853	18.5	3,507	18.3	697	24.4
FL	6,910	21.9	4,099	21.4	685	24.0
LA	7,308	23.1	4,106	21.5	673	23.5
MS	3,981	12.6	2,419	12.7	490	17.1
TX	1,796	5.7	1,048	5.5	83	2.9
Other	5,761	18.2	3,941	20.6	231	8.1
Marital Status						
Married/living as married	17,614	56.1	11,052	58.1	1,431	50.2
Divorced/separated/widowed	6,065	19.3	3,712	19.5	771	27.0
Never married	7,744	24.6	4,252	22.4	649	22.8
Number of Children in Home						
No children living in home	17,962	57.1	11,258	59.1	1,639	57.4
1 or more children living in home	13,493	42.9	7,786	40.9	1,216	42.6
Educational Attainment						
Less than high school/equivalent	5,099	16.2	2,843	14.9	632	22.1
High school diploma/GED	9,436	30.0	5,320	27.9	910	31.9
Some college/2 year degree	9,382	29.8	5,666	29.7	890	31.2
4 year college graduate or more	7,584	24.1	5,237	27.5	423	14.8
Annual Household Income						
Less than or equal to \$20,000	8,260	29.2	4,616	26.7	1,037	38.8
\$20,001 to \$50,000	9,060	32.0	5,372	31.1	902	33.7
More than \$50,000	11,001	38.8	7,310	42.3	736	27.5
Worked at Least 1 Day on Clean-Up						
Yes	24,375	77.1	15,193	79.5	2,310	80.8
No	7,234	22.9	3,927	20.5	549	19.2
Daily Maximum THC Ordinal Level^{4,5}						
Non-worker	7,234	23.0	3,927	20.6	549	19.3
THC ≤ 0.29 ppm	5,660	18.0	3,670	19.3	370	13.0
THC 0.3 - 0.99 ppm	7,651	24.3	4,753	25.0	781	27.5
THC 1.0 - 2.99 ppm	7,531	23.9	4,621	24.3	789	27.8
THC ≥ 3 ppm	3,418	10.9	2,061	10.8	352	12.4

¹ Excludes Vietnamese participants

² Current as of 02/03/2016

³ The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

⁴ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁵ Excludes participants who were workers starting after 12/31/2010 and have no exposure level

Table 11. SAMHSA Baseline and Follow-up Completion Rates¹

	N	%
Completed SAMHSA Baseline	2,859	100.0
Completed Baseline Only	615	21.5
Completed Baseline and 1 Follow-Up	626	21.9
Completed Baseline and 2 Follow-Ups	772	27.0
Completed Baseline and 3 Follow-Ups ²	846	29.6

¹ Current as of 02/03/2016

² 504 participants have not yet been released for calling for SAMHSA 24-Month interview

Table 12. Self-Reported Adverse Mental Health Symptom Scale Responses Across SAMHSA Interviews¹

Characteristic ²	SAMHSA Eligible at Home Visit N=6,458 ³		Baseline N=2,859		6-Month N=1,822		12-Month N=1,741		24-Month N=1,145	
	N	%	N	%	N	%	N	%	N	%
Generalized Anxiety Disorder 7-Item Scale (Range 0-21)										
0-4 (Minimal)	1,311	30.0	971	35.5	578	32.3	587	34.5	383	34.0
5-9 (Mild)	537	12.3	575	21.0	380	21.3	333	19.5	237	21.0
10-14 (Moderate)	1,023	23.4	471	17.2	321	18.0	293	17.2	177	15.7
15-21 (Severe)	1,496	34.3	718	26.3	508	28.4	491	28.8	331	29.3
Primary Care Post Traumatic Stress Disorder Scale (Range 0-4)										
0	2,882	64.9	1,055	37.8	596	33.2	620	35.9	388	34.2
1	596	13.4	497	17.8	309	17.2	262	15.2	185	16.3
2	463	10.4	486	17.4	274	15.3	273	15.8	183	16.1
3-4 (Positive for PTSD)	504	11.3	751	26.9	616	34.3	572	33.1	379	33.4
Kessler Quick Inventory of Depression (K6) (Range 0-24)										
< 13	3,014	81.4	2,022	71.7	1,339	73.9	1,273	73.8	809	71.1
≥ 13	689	18.6	798	28.3	473	26.1	452	26.2	329	28.9

¹ Current as of 02/03/2016

² The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

³ 4,590 SAMHSA eligible participants completed a Home Visit

Table 13. Self-Reported Adverse Mental Health Symptom Scale Responses Across SAMHSA Interviews Among Participants who Completed All SAMHSA Interviews¹

Characteristic ²	Home Visit N=837		Baseline N=837		6-Month N=837		12-Month N=837		24-Month N=837		
	N	%	N	%	N	%	N	%	N	%	
Generalized Anxiety Disorder 7-Item Scale (Range 0-21)											
0-4 (Minimal)	264	32.9	299	37.6	259	31.7	286	34.9	288	35.0	
5-9 (Mild)	103	12.8	171	21.5	158	19.3	139	17.0	170	20.6	
10-14 (Moderate)	177	22.0	136	17.1	151	18.5	145	17.7	134	16.3	
15-21 (Severe)	259	32.3	190	23.9	249	30.5	249	30.4	232	28.2	
Primary Care Post Traumatic Stress Disorder Scale (Range 0-4)											
0	519	64.5	324	39.8	253	30.8	286	34.7	300	36.5	
1	122	15.2	156	19.1	141	17.2	123	14.9	133	16.2	
2	84	10.4	136	16.7	122	14.9	129	15.6	137	16.6	
3-4 (Positive for PTSD)	80	9.9	199	24.4	305	37.1	287	34.8	253	30.7	
Kessler Quick Inventory of Depression (K6) (Range 0-24)											
< 13	554	86.3	617	74.6	605	72.6	606	73.0	598	71.9	
≥ 13	88	13.7	210	25.4	228	27.4	224	27.0	234	28.1	

¹ Current as of 02/03/2016

²The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

Table 14. Clinical Exam Status: Overall and by Site¹

Clinical Exam Status	LSU	USA	Total
Flagged for Exam	2,090	4,399	6,489
Follow-up Complete ²	1,708	3,536	5,244
Pending	0	896	896
Calling in Progress	0	540	540
Needs Locating - Not Contacted	0	356	356
Finalized	1,708	2,640	4,348
Reached for Scheduling	1,475	2,616	4,091
Completed³	1,058	1,785	2,843
Scheduled Appointment	0	345	345
Cancelled / Missed Appointment	177	248	425
Participant Deceased/Incapacitated	13	20	33
Refused Exam / Withdrawn	227	218	445
Not Reached	235	37	272
Exam Contact Rate (Reached for Scheduling / Finalized)	86.4%	99.1%	94.1%
Exam Response Rate (Completed+Scheduled Appointment/ Reached for Scheduling)	71.7%	81.4%	77.9%
Exam Participation Rate (Completed/Finalized)	61.9%	67.6%	65.4%

¹ Current as of 01/20/2016

² Clinical Exam operationally contingent on completing follow-up

³ Includes a small number of participants who completed an exam without doing follow-up: 2 at LSU, 13 at USA

Table 15. Characteristics at Enrollment: Full Cohort¹, 5 Gulf States, and Clinical Exam Participants²

Characteristic ³	Full Cohort N=31,609		Living in 5 Gulf States N=25,848		Clinical Exam N=2,843	
	N	%	N	%	N	%
Age						
< 30	6,223	19.8	5,027	19.5	397	14.0
30-45	11,813	37.5	9,298	36.1	920	32.4
> 45	13,464	42.7	11,436	44.4	1,526	53.7
Gender						
Male	25,502	80.7	20,826	80.6	2,180	76.7
Female	6,105	19.3	5,020	19.4	663	23.3
Race						
White	20,183	64.2	15,651	60.8	1,429	50.4
Black	7,375	23.5	6,957	27.0	1,102	38.9
Asian	274	0.9	189	0.7	13	0.5
Other/multi-racial	3,616	11.5	2,925	11.4	291	10.3
Hispanic Ethnicity						
Yes	2,067	6.6	1,638	6.4	68	2.4
No	29,444	93.4	24,132	93.6	2,770	97.6
Location at Enrollment						
AL	5,853	18.5	5,853	22.6	1,112	39.1
FL	6,910	21.9	6,910	26.7	297	10.4
LA	7,308	23.1	7,308	28.3	897	31.6
MS	3,981	12.6	3,981	15.4	534	18.8
TX	1,796	5.7	1,796	6.9	3	0.1
Other	5,761	18.2				
Marital Status						
Married/living as married	17,614	56.1	13,865	53.9	1,434	50.6
Divorced/separated/widowed	6,065	19.3	5,302	20.6	681	24.0
Never married	7,744	24.6	6,543	25.4	720	25.4
Number of Children in Home						
No children living in home	17,962	57.1	14,644	56.9	1,672	58.9
1 or more children living in home	13,493	42.9	11,092	43.1	1,169	41.1
Educational Attainment						
Less than high school/equivalent	5,099	16.2	4,887	19.0	637	22.4
High school diploma/GED	9,436	30.0	8,432	32.7	980	34.5
Some college/2 year degree	9,382	29.8	7,703	29.9	829	29.2
4 year college graduate or more	7,584	24.1	4,735	18.4	395	13.9
Annual Household Income						
Less than or equal to \$20,000	8,260	29.2	7,823	33.8	1,027	39.0
\$20,001 to \$50,000	9,060	32.0	7,615	32.9	879	33.4
More than \$50,000	11,001	38.8	7,689	33.2	729	27.7
Worked at Least 1 Day on Clean-Up						
Yes	24,375	77.1	19,407	75.1	2,396	84.3
No	7,234	22.9	6,441	24.9	447	15.7
Daily Maximum THC Ordinal Level^{4,5}						
Non-worker	7,234	23.0	6,441	25.0	447	15.8
THC ≤ 0.29 ppm	5,660	18.0	3,705	14.4	382	13.5
THC 0.3 - 0.99 ppm	7,651	24.3	6,381	24.8	708	25.0
THC 1.0 - 2.99 ppm	7,531	23.9	6,525	25.3	951	33.6
THC ≥ 3 ppm	3,418	10.9	2,717	10.5	340	12.0

¹ Excludes Vietnamese participants

² Current as of 01/20/2016

³ The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

⁴ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁵ Excludes participants who were workers starting after 12/31/2010 and have no exposure level

Table 16. Characteristics at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status¹

Characteristic ²	Exam Status							
	Exam Eligible N=6,489		Completed N=2,843		Not Completed, Follow-Up Completed N=2,416		Not Completed, Follow-Up Not Completed N=1,230	
	N	%	N	%	N	%	N	%
Age								
< 30	1,203	18.5	397	14.0	434	18.0	372	30.2
30-45	2,334	36.0	920	32.4	904	37.4	510	41.5
> 45	2,952	45.5	1,526	53.7	1,078	44.6	348	28.3
Gender								
Male	5,011	77.2	2,180	76.7	1,871	77.4	960	78.0
Female	1,478	22.8	663	23.3	545	22.6	270	22.0
Race								
White	3,273	50.5	1,429	50.4	1,303	54.0	541	44.1
Black	2,552	39.4	1,102	38.9	878	36.4	572	46.6
Asian	37	0.6	13	0.5	13	0.5	11	0.9
Other/multi-racial	613	9.5	291	10.3	219	9.1	103	8.4
Hispanic Ethnicity								
Yes	158	2.4	68	2.4	58	2.4	32	2.6
No	6,318	97.6	2,770	97.6	2,353	97.6	1,195	97.4
Location at Enrollment								
AL	2,443	37.6	1,112	39.1	862	35.7	469	38.1
FL	882	13.6	297	10.4	389	16.1	196	15.9
LA	1,794	27.6	897	31.6	559	23.1	338	27.5
MS	1,362	21.0	534	18.8	604	25.0	224	18.2
TX	8	0.1	3	0.1	2	0.1	3	0.2
Marital Status								
Married/living as married	3,162	48.9	1,434	50.6	1,210	50.3	518	42.2
Divorced/separated/widowed	1,494	23.1	681	24.0	542	22.5	271	22.1
Never married	1,814	28.0	720	25.4	655	27.2	439	35.7
Number of Children in Home								
No children living in home	3,584	55.2	1,672	58.9	1,312	54.3	600	48.8
1 or more children living in home	2,903	44.8	1,169	41.1	1,104	45.7	630	51.2
Educational Attainment								
Less than high school/equivalent	1,536	23.7	637	22.4	571	23.6	328	26.7
High school diploma/GED	2,336	36.0	980	34.5	863	35.7	493	40.1
Some college/2 year degree	1,857	28.6	829	29.2	688	28.5	340	27.7
4 year college graduate or more	755	11.6	395	13.9	293	12.1	67	5.5
Annual Household Income								
Less than or equal to \$20,000	2,529	41.9	1,027	39.0	926	41.2	576	49.7
\$20,001 to \$50,000	1,998	33.1	879	33.4	723	32.2	396	34.1
More than \$50,000	1,514	25.1	729	27.7	597	26.6	188	16.2
Worked at Least 1 Day on Clean-Up								
Yes	5,476	84.4	2,396	84.3	2,029	84.0	1,051	85.4
No	1,013	15.6	447	15.7	387	16.0	179	14.6
Daily Maximum THC Ordinal Level^{3,4}								
Non-worker	1,013	15.7	447	15.8	387	16.1	179	14.6
THC ≤ 0.29 ppm	848	13.1	382	13.5	326	13.6	140	11.4
THC 0.3 - 0.99 ppm	1,766	27.3	708	25.0	699	29.1	359	29.2
THC 1.0 - 2.99 ppm	2,026	31.4	951	33.6	717	29.9	358	29.1
THC ≥ 3 ppm	805	12.5	340	12.0	272	11.3	193	15.7

¹ Current as of 01/20/2016

² The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

³ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁴ Excludes participants who were workers starting after 12/31/2010 and have no exposure level

Table 17. Characteristics at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Site¹

Characteristic ²	Exam Eligible N=6,489		Exam Eligible and Follow-Up Completed N=5,244		LSU N=2,078		USA N=4,411	
	N	%	N	%	N	%	N	%
Age								
< 30	1,203	18.5	828	15.8	368	17.7	835	18.9
30-45	2,334	36.0	1,817	34.6	711	34.2	1,623	36.8
> 45	2,952	45.5	2,599	49.6	999	48.1	1,953	44.3
Gender								
Male	5,011	77.2	4,043	77.1	1,696	81.6	3,315	75.2
Female	1,478	22.8	1,201	22.9	382	18.4	1,096	24.8
Race								
White	3,273	50.5	2,729	52.1	1,119	54.0	2,154	48.9
Black	2,552	39.4	1,969	37.6	650	31.3	1,902	43.2
Asian	37	0.6	26	0.5	12	0.6	25	0.6
Other/multi-racial	613	9.5	509	9.7	293	14.1	320	7.3
Hispanic Ethnicity								
Yes	158	2.4	126	2.4	77	3.7	81	1.8
No	6,318	97.6	5,108	97.6	1,992	96.3	4,326	98.2
Marital Status								
Married/living as married	3,162	48.9	2,639	50.5	1,094	52.8	2,068	47.0
Divorced/separated/widowed	1,494	23.1	1,218	23.3	470	22.7	1,024	23.3
Never married	1,814	28.0	1,370	26.2	508	24.5	1,306	29.7
Number of Children in Home								
No children living in home	3,584	55.2	2,980	56.8	1,159	55.8	2,425	55.0
1 or more children living in home	2,903	44.8	2,262	43.2	918	44.2	1,985	45.0
Educational Attainment								
Less than high school/equivalent	1,536	23.7	1,204	23.0	644	31.0	892	20.2
High school diploma/GED	2,336	36.0	1,836	35.0	695	33.5	1,641	37.2
Some college/2 year degree	1,857	28.6	1,515	28.9	520	25.0	1,337	30.3
4 year college graduate or more	755	11.6	686	13.1	217	10.5	538	12.2
Annual Household Income								
Less than or equal to \$20,000	2,529	41.9	1,943	39.9	662	34.7	1,867	45.2
\$20,001 to \$50,000	1,998	33.1	1,599	32.9	623	32.6	1,375	33.3
More than \$50,000	1,514	25.1	1,325	27.2	624	32.7	890	21.5
Worked at Least 1 Day on Clean-Up								
Yes	5,476	84.4	4,413	84.2	1,698	81.7	3,778	85.6
No	1,013	15.6	831	15.8	380	18.3	633	14.4
Daily Maximum THC Ordinal Level^{3,4}								
Non-worker	1,013	15.7	831	15.9	380	18.3	633	14.4
THC ≤ 0.29 ppm	848	13.1	707	13.6	210	10.1	638	14.6
THC 0.3 - 0.99 ppm	1,766	27.3	1,398	26.8	278	13.4	1,488	33.9
THC 1.0 - 2.99 ppm	2,026	31.4	1,666	32.0	814	39.2	1,212	27.6
THC ≥ 3 ppm	805	12.5	612	11.7	392	18.9	413	9.4
Est. Distance from Clinic								
< 20 mi	2,295	36.7	1,822	36.2	686	33.1	1,609	38.5
20-40 mi	1,611	25.8	1,291	25.7	403	19.5	1,208	28.9
40-60 mi	2,339	37.5	1,915	38.1	982	47.4	1,357	32.5

¹ Current as of 01/20/2016

² The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

³ Daily Maximum Ordinal THC Level is the daily maximum THC in ppm for any job in any time period

⁴ Excludes participants who were workers starting after 12/31/2010 and have no exposure level

Table 18. Health Characteristics at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status¹

Characteristic ²	Exam Status							
	Exam Eligible		Exam Eligible and Follow-Up		Completed		Not Completed	
	N	%	N	%	N	%	N	%
Perceived Health								
Fair/Poor Perceived Health	1,905	29.6	1,547	29.7	843	29.9	1,062	29.4
Health Worse than 2 Years Ago	2,904	45.3	2,324	44.9	1,272	45.3	1,632	45.4
Body Mass Index (kg/m2)								
Obese (BMI>=30)	2,305	35.8	1,889	36.3	1,032	36.6	1,273	35.2
Current Drinker								
Men	3,595	71.9	2,915	72.3	1,552	71.4	2,043	72.3
Women	964	65.3	788	65.7	459	69.3	505	62.0
7+ Drinks/Week (Current Drinkers)								
Men	1,079	32.4	907	33.4	480	33.1	599	31.8
Women	134	14.8	109	14.7	64	14.8	70	14.7
Current Smoker	2,480	38.4	1,879	36.0	947	33.5	1,533	42.2
MD Diagnosis of Mental Disorder³								
Acute Stress	55	0.9	46	0.9	16	0.6	39	1.1
Anxiety	262	4.1	209	4.0	116	4.1	146	4.0
Depression	383	5.9	321	6.1	179	6.3	204	5.6
Panic Disorder	81	1.3	63	1.2	36	1.3	45	1.2
Post Traumatic Stress Disorder (PTSD)	125	1.9	105	2.0	63	2.2	62	1.7
MD Diagnosis of Chronic Disease³								
Angina/CHD/MI	138	2.2	120	2.3	66	2.4	72	2.0
Cancer	171	2.6	154	2.9	89	3.1	82	2.3
Diabetes	392	6.1	340	6.5	176	6.2	216	5.9
Stroke	66	1.0	59	1.1	34	1.2	32	0.9
Hypertension	1,259	19.5	1,074	20.5	618	21.8	641	17.6
MD Diagnosis of Respiratory Condition³								
Asthma	683	10.6	538	10.3	301	10.6	382	10.5
Chronic Bronchitis	318	4.9	262	5.0	135	4.8	183	5.0

¹ Current as of 01/20/2016

² The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

³ Physician diagnosis before the oil spill

Table 19. Self-Reported Symptoms at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status¹

Symptom ²	Exam Eligible		Exam Eligible and Follow-Up		Exam Status			
	N=6,489		N=5,244		Completed N=2,843		Not Completed N=3,646	
	N	%	N	%	N	%	N	%
Cough	6,473	26.0	5,231	25.6	2,834	24.8	3,639	26.8
Wheezing or Whistling in Chest	6,463	18.6	5,223	17.7	2,830	17.3	3,633	19.5
Tightness in Chest	6,466	11.8	5,227	11.3	2,833	10.4	3,633	12.9
Shortness of Breath	6,473	17.1	5,233	16.8	2,837	16.4	3,636	17.7
Stuffy, Itchy, or Runny Nose	6,477	21.7	5,235	21.9	2,838	21.8	3,639	21.7
Watery or Itchy Eyes	6,475	18.9	5,232	19.3	2,833	19.5	3,642	18.4
Burning Eyes	6,478	12.6	5,236	12.8	2,835	12.7	3,643	12.5
Burning Nose, Throat, or Lungs	6,474	8.2	5,233	8.0	2,833	8.2	3,641	8.3
Sore Throat	6,472	7.5	5,233	6.9	2,834	6.8	3,638	8.1
Severe Headache or Migraine	6,478	21.3	5,234	20.6	2,836	20.3	3,642	22.0
Dizzy or Lightheaded	6,476	11.1	5,233	10.6	2,836	10.7	3,640	11.5
Nauseated	6,472	7.5	5,230	7.4	2,831	7.3	3,641	7.7
Vomiting ³	4,291	2.6	3,456	2.4	1,858	2.3	2,433	2.9
Nose Bleeds ³	4,288	1.4	3,455	1.4	1,855	1.1	2,433	1.6
Excessive or Unusual Hair Loss ³	4,259	5.7	3,429	5.9	1,839	6.0	2,420	5.5
Seizures ³	4,284	0.3	3,451	0.3	1,856	0.2	2,428	0.4
Insomnia ³	3,396	18.1	2,703	18.1	1,430	17.8	1,966	18.4
Blurred or Distorted Vision	6,466	11.7	5,226	11.9	2,831	11.8	3,635	11.7
Tingling Feeling in Hands, Arms, Feet, or Legs	6,477	18.3	5,234	18.3	2,839	19.0	3,638	17.8
Numbness in Hands, Arms, Feet, or Legs	6,476	17.4	5,233	17.2	2,837	17.9	3,639	17.0
Stumble While Walking	6,464	5.8	5,223	5.8	2,830	5.7	3,634	5.9
Heart Palpitations	6,454	5.1	5,216	5.1	2,829	5.1	3,625	5.1
Sweat Heavily for No Reason	6,468	13.8	5,227	13.1	2,833	13.3	3,635	14.2
Urinary Problems	6,476	8.5	5,233	8.7	2,839	9.1	3,637	8.1
Lower Back Pain	6,481	30.3	5,237	29.0	2,838	29.2	3,643	31.1
Excessive Fatigue or Extreme Tiredness	6,473	23.5	5,232	22.7	2,834	22.4	3,639	24.3
Diarrhea or Frequent Bowel Movements	6,468	10.9	5,226	10.6	2,830	10.5	3,638	11.3
Constipation	6,477	4.7	5,235	4.6	2,835	5.0	3,642	4.4
Burning or Redness of Skin ^{3,4}	3,205	11.3	2,541	10.8	1,364	10.9	1,841	11.6

¹ Current as of 01/20/2016

² The Ns for individual symptoms may be slightly less than the total N due to a small number of don't knows and refusals

³ Symptom added to questionnaire late, resulting in lower Ns

⁴ Excludes participants who reported no direct contact with oil

Table 20. Self-Reported Stress and Adverse Mental Health Symptom Scale Responses at Enrollment Among Participants Eligible for Clinical Exam: Overall and by Completion Status¹

Characteristic ²	Exam Status							
	Exam Eligible N=6,489		Exam Eligible and Follow-Up Completed N=5,244		Completed N=2,843		Not Completed N=3,646	
	N	%	N	%	N	%	N	%
Worries Since Oil Spill (% Always or Usually)								
Paying Mortgage or Rent since Oil Spill	6,475	52.2	5,234	50.1	2,833	49.2	3,642	54.6
Having Enough Money to Buy Food	6,476	32.8	5,233	31.4	2,836	30.4	3,640	34.6
Future Health	6,467	51.5	5,225	50.6	2,833	50.1	3,634	52.5
Comparison to Pre Oil Spill Worries (% More Worried)								
Paying Mortgage or Rent since Oil Spill	6,448	51.3	5,210	50.0	2,820	50.0	3,628	52.4
Having Enough Money to Buy Food	6,454	40.1	5,216	39.1	2,828	39.4	3,626	40.7
Future Health	6,457	57.9	5,216	57.3	2,827	57.6	3,630	58.2
Physician Diagnosis of Mental Conditions (% Yes)								
Acute Stress Disorder	55	0.9	46	0.9	16	0.6	39	1.1
Anxiety	262	4.1	209	4.0	116	4.1	146	4.0
Post-traumatic Stress Disorder	125	1.9	105	2.0	63	2.2	62	1.7
Depression	383	5.9	321	6.1	179	6.3	204	5.6
Panic Disorder	81	1.3	63	1.2	36	1.3	45	1.2
Cohen Four Item Perceived Stress Scale (Range 0-16)								
0 to 5	2,421	38.3	2,025	39.7	1,145	41.4	1,276	35.9
6 to 10	2,833	44.8	2,261	44.3	1,186	42.9	1,647	46.3
11 to 16	1,069	16.9	819	16.0	434	15.7	635	17.8
Personal Health Questionnaire Depression Scale (Range 0-27)								
0-4 (No significant depression)	4,161	68.1	3,427	69.3	1,897	70.7	2,264	66.1
5-9 (Mild depression)	921	15.1	740	15.0	400	14.9	521	15.2
10-14 (Moderate depression)	449	7.3	338	6.8	160	6.0	289	8.4
15-19 (Moderately severe depression)	326	5.3	244	4.9	136	5.1	190	5.5
20-27 (Severe depression)	253	4.1	196	4.0	91	3.4	162	4.7
Generalized Anxiety Disorder 7-Item Scale (Range 0-21)								
0-4 (Minimal)	3,563	58.2	2,969	59.9	1,643	60.6	1,920	56.3
5-9 (Mild)	912	14.9	737	14.9	400	14.7	512	15.0
10-14 (Moderate)	667	10.9	513	10.4	286	10.5	381	11.2
15-21 (Severe)	979	16.0	737	14.9	384	14.2	595	17.5
Primary Care Post Traumatic Stress Disorder Scale (Range 0-4)								
0	4,918	77.9	4,009	78.6	2,174	78.4	2,744	77.6
1	591	9.4	464	9.1	253	9.1	338	9.6
2	397	6.3	308	6.0	162	5.8	235	6.6
3-4 (Positive for PTSD)	404	6.4	322	6.3	183	6.6	221	6.2
Kessler Quick Inventory of Depression (K6) (Range 0-24)								
< 13	4,741	91.4	3,864	92.2	2,075	92.9	2,666	90.3
>= 13	445	8.6	329	7.8	158	7.1	287	9.7

¹ Current as of 01/20/2016

² The Ns for individual characteristics may be slightly less than the total N due to a small number of don't knows and refusals

Table 21. Clinical Exam Procedural Completion¹

Category	Exam Completed N=2,843		LSU N=1,058		USA N=1,785	
	N	%	N	%	N	%
Vital Signs						
Systolic Blood Pressure	2,836	99.8	1,055	99.8	1,781	99.7
Diastolic Blood Pressure	2,836	99.8	1,055	99.8	1,781	99.7
Heart Rate	2,836	99.8	1,055	99.8	1,781	99.7
Anthropometric Measurements						
Height	2,839	99.9	1,055	99.8	1,784	99.9
Weight	2,838	99.8	1,055	99.8	1,783	99.8
BMI	2,838	99.8	1,055	99.8	1,783	99.8
Waist Circumference	2,835	99.7	1,052	99.5	1,783	99.8
Hip Circumference	2,833	99.6	1,051	99.4	1,782	99.8
Biological Specimens						
Hair	1,772	62.3	651	61.6	1,121	62.8
Toenail	2,414	84.9	928	87.8	1,486	83.2
Urine	2,822	99.3	1,049	99.2	1,773	99.2
Saliva ²	597	99.2	N/A	N/A	597	99.2
Saliva Collected at Home	328	54.9	N/A	N/A	328	54.9
Blood	2,807	98.7	1,034	97.8	1,773	99.3
POC Test	2,832	99.6	1,051	99.4	1,781	99.7
Neurobehavioral / Peripheral Nerve Tests						
Visual Acuity	2,828	98.5	1,050	99.3	1,778	99.6
Contrast Sensitivity	2,825	99.4	1,050	99.3	1,775	99.4
Vibrotactile	2,772	97.5	1,029	97.4	1,743	97.6
Accusway	2,810	98.8	1,049	99.2	1,761	98.6
Single Leg Stance	2,777	97.7	1,025	97.0	1,752	98.1
Long Distance Corridor Walk ³	2,276	93.1	878	94.0	1,398	92.6
Trail Making Test	2,836	99.8	1,055	99.8	1,781	99.7
BARS ⁴	2,807	99.6	1,033	99.4	1,774	99.7
Finger Tapping	2,721	99.2	1,027	98.8	1,694	99.4
Symbol Digit	2,717	99.1	1,027	98.8	1,690	99.1
Simple Reaction Time	2,717	99.0	1,027	98.8	1,690	99.1
Digit Span	2,714	98.9	1,024	98.6	1,690	99.1
Match to Sample	2,711	98.8	1,023	98.5	1,688	99.0
Continuous Performance	2,698	98.3	1,018	98.0	1,680	98.5
Progressive Ratio	2,695	98.2	1,017	97.9	1,678	98.4
Lung Function						
eNO ⁵	2,268	98.4	712	98.2	1,556	98.5
PFT ⁶	2,512	98.4	935	98.7	1,577	98.3

¹Current as of 01/20/2016

²Saliva is only collected for a subgroup of 1,540 participant at the USA Clinic, 140 of which are for QA purposes

³Excludes 399 medically ineligible participants: 123 at LSU and 276 at USA

⁴Excludes the 25 mini exam participants. Results for the individual tests is current through 12/31/2016

⁵Excludes the 25 mini exam participants and 514 trials with an equipment malfunction: 314 at LSU and 200 at USA

⁶Excludes 291 medically ineligible participants: 110 at LSU and 181 at USA

Table 22. Listing of Job Groups¹

Job Groups (N=59)	Workers N
Cleaned beaches	11,611
Office work	7,366
Vessel patrolled beaches/marshes for oil/tar/animal	6,719
Deconned, all or unspecified	4,704
Transport vessel (personnel, equipment & supplies)	4,345
Personally handled oily booms	4,112
Deconned other equipment/land	4,027
General outside environment on land (ports, docks, etc)	3,373
Hazardous waste handler/water & land	3,149
Cleaned jetties, rocks & shoreline structures	3,138
On a vessel located >3 mi from shore and >5 mi from the well	3,011
Personally skimmed oil	2,962
Vessel deconned other vessels/water	2,955
Fueled engines	2,660
Maintained pumps/tanks & pumped OIL (Water or land)	2,596
Deconned workers	2,593
Handled booms in shallow water	2,520
Used low pressure sprays/land	2,497
Barge work	2,467
Cleaned marshes	2,434
Pumped anything (inc oil)/Water or land	2,212
Handled/cleaned wildlife	2,173
Deconned booms/land	2,121
Deconned with hot water	1,972
Worked outside tanks	1,972
Deconned vessels/land	1,938
On a vessel <5 mi from the well	1,919
Deconned using high pressure sprays/land	1,842
Decon/General Area/Land	1,790
Vessel scouted for oil on water	1,740
Vessel skimmed oil	1,723
IH-safety - unspecified location	1,653
Vessel handled oily booms & absorbents	1,653
Vessel handled booms	1,363
Repaired oily booms	1,207
Cleaned oil pools on vessels	1138
Tank work (entered + worked outside)	1006
Deconned using high pressure & hot water sprays & cloths/water	994
Vessels sprayed dispersant on water	953
Deconned with cloth/land	916
Rig work	911
Used low pressure sprays/water	663
Deconned using ice pellets	620
Maintaining and pumping anything/Land	544
Took oil samples from tank	390
Maintaining and pumping anything/Water	311
Security	311
Entered tanks	309
Offsite Driver	249
Environmental sampling/water	222
Aerial Crew	179
Vessel involved in in situ burning	171
Kitchen	153
Personally deconned vessels/water	120
Vessel injected dispersant 5000 ft below surface at the wellhead	89
Onsite Driver	77
All vessels operating remotely operated vehicles (ROVs)	73
All research vessels	63

¹ Counts for jobs are not mutually exclusive

Table 23. Job Groups by Location¹

Land Job Groups	Workers N
Cleaned beaches	11,611
Office work	7,366
Decconned, all or unspecified	4,704
Decconned other equipment/land	4,027
General outside environment on land (ports, docks, etc)	3,373
Fueled engines	2,660
Used low pressure sprays/land	2,497
Cleaned marshes	2,434
Decconned booms/land	2,121
Decconned with hot water	1,972
Decconned vessels/land	1,938
Decconned using high pressure sprays/land	1,842
Decon/General Area/Land	1,790
Decconned with cloth/land	916
Maintaining and pumping anything/Land	544
Security	311
Offsite Driver	249
Aerial Crew	179
Kitchen	153
Onsite Driver	77

Table 23. Job Groups by Location¹

Water Job Groups	Workers N
Vessel patrolled beaches/marshes for oil/tar/animal	6,719
Transport vessel (personnel, equipment & supplies)	4,345
Personally handled oily booms	4,112
On a vessel located >3 mi from shore and >5 mi from the well	3,011
Personally skimmed oil	2,962
Vessel deconned other vessels/water	2,955
Barge work	2,467
On a vessel <5 mi from the well	1,919
Vessel scouted for oil on water	1,740
Vessel skimmed oil	1,723
Vessel handled oily booms & absorbents	1,653
Vessel handled booms	1,363
Cleaned oil pools on vessels	1,138
Deconned using high pressure & hot water sprays & cloths/water	994
Vessels sprayed dispersant on water	953
Rig work	911
Used low pressure sprays/water	663
Took oil samples from tank	390
Maintaining and pumping anything/Water	311
Environmental sampling/water	222
Vessel involved in in situ burning	171
Personally deconned vessels/water	120
Vessel injected dispersant 5000 ft below surface at the wellhead	89
All vessels operating remotely operated vehicles (ROVs)	73
All research vessels	63

Table 23. Job Groups by Location¹

Land/Water Job Groups	Workers N
Cleaned jetties, rocks & shoreline structures	3,149
Hazardous waste handler/water & land	3,138
Maintained pumps/tanks & pumped OIL (Water or land)	2,596
Deconned workers	2,593
Handled booms in shallow water	2,520
Pumped anything (inc oil)/Water or land	2,212
Handled/cleaned wildlife	2,173
Worked outside tanks	1,972
IH-safety - unspecified location	1,653
Repaired oily booms	1,207
Tank work (entered + worked outside)	1,006
Deconned using ice pellets	620
Entered tanks	309

¹ Counts for jobs are not mutually exclusive

Table 24. Number of Job Groups Per Participant

Workers			
Number of Job Groups	N	%	Cummulative %
1	6,186	25.4	25.4
2	3,133	12.9	38.2
3	2,864	11.7	50.0
4	2,563	10.5	60.5
5	1,974	8.1	68.6
6	1,557	6.4	75.0
7	1,271	5.2	80.2
8	946	3.9	84.1
9	743	3.0	87.1
10	625	2.6	89.7
11	487	2.0	91.7
12	384	1.6	93.3
13	335	1.4	94.6
14	281	1.2	95.8
15	192	0.8	96.6
16	182	0.7	97.3
17	154	0.6	98.0
18	122	0.5	98.5
19	88	0.4	98.8
20	60	0.2	99.1
> 20	228	0.9	100.0
Total	24,375	100.0	100.0

Table 25. Categories of Rig Jobs¹

Rig Job	Workers	
	N	%
Operations - unspecified	219	24.0
Crew - unspecified	189	20.7
Rig - unspecified	188	20.6
Roustabout	46	5.0
Tech or operator - unspecified	32	3.5
IH-Safety	29	3.2
Inside - unspecified	20	2.2
Deconned rig	19	2.1
Operations engineer	14	1.5
Ship officer	14	1.5
Laundry/custodial	12	1.3
Seaman	12	1.3
Remotely operated vehicle (ROV) technician	10	1.1
Driller	9	1.0
Pumphand	9	1.0
Roughneck/floorhand	9	1.0
Crane operator	7	0.8
Derrickhand	7	0.8
Mechanic	7	0.8
Drilling mud engineer	6	0.7
Subsea engineer	6	0.7
HAZWOPER	5	0.5
Tank cleaner	5	0.5
Cook/utility - unspecified	4	0.4
Operated/monitored the flares	4	0.4
Ship engineer/motorman	4	0.4
Operated methanol tanks	3	0.3
Remotely operated vehicle (ROV) supervisor	3	0.3
Storeroom	3	0.3
Welder	3	0.3
Welltester	3	0.3
Cook	2	0.2
Deck supervisor	2	0.2
Rig systems	2	0.2
Crew engineer	1	0.1
Made/pumped drill cement	1	0.1
Operated drilling mud system	1	0.1
Operated vacuum system	1	0.1
Total	911	100.0

¹ Counts for jobs are not mutually exclusive