

# **Department of Veterans Affairs (VA) Facility Specific Operation Enduring Freedom (OEF), Operation Iraqi Freedom (OIF), and Operation New Dawn (OND)\* Veterans Coded with Potential Posttraumatic Stress Disorder (PTSD) through 3rd Qtr FY 2011**

## **I. Background:**

This report was initiated in response to a Government Accountability Office (GAO) request that VA enumerate the total number of Operation Enduring Freedom (OEF), Operation Iraqi Freedom (OIF), and Operation New Dawn (OND) Veterans, who were diagnosed with PTSD, by Veterans Integrated Service Network (VISN) and specific VA medical center (VAMC) using VA inpatient and outpatient records. It was also requested that this information be aggregated with Vet Center utilization data. VHA prepared an initial report in October 2004 for the health care utilization during Fiscal Year (FY) 2004. This current report covers VA health care data for FY 2002 through 3rd Qtr FY 2011.

## **II. Data Sources:**

### OEF/OIF/OND Veteran roster:

Since October 2003, the Department of Defense (DOD) Defense Manpower Data Center (DMDC) has sent the VA Environmental Epidemiology Service (EES) a periodically updated personnel roster of troops who participated in OEF/OIF/OND and who had separated from active duty and became eligible for VA benefits. The roster was originally prepared based on the pay records of individuals but more recently has been based on a combination of pay records and operational records provided by each branch of service. Based on the latest DMDC file received on July 12, 2011, there are a total of 1,353,627 unique OEF/OIF/OND Veterans (including 5,444 Veterans who died in-theater) who have been separated as of May 2011 from active duty following deployment. For each Veteran, his/her demographic (SSN, name, DOB, gender, education, etc) and military service specific data (branch, rank, unit component, deployment dates, etc) were included in the record. Beginning in 3rd Qtr FY 2009, Veterans who died in-theater are included in both the DMDC total roster and health care utilization frequencies because this is a cumulative report going back to 2002, and, due to the duration of the OEF/OIF/OND conflict and repeated deployments, a certain number of these Veterans may have accessed VA health care services for the evaluation and/or treatment of PTSD.

### VHA health care utilization records:

The roster was checked against VA's inpatient (PTF) and outpatient (OPC) electronic patient records available through June 30, 2011 to identify those who had sought treatment in VA facilities as well as the ICD-9 diagnostic codes used to describe the visits. These are administrative data and not based on a review of each patient record. For the purpose of this report, a search was conducted of individual health care utilization records during FY 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, and through 3rd Qtr FY 2011 following first deployments in Iraq or Afghanistan. For identification of a potential PTSD patient, we used ICD-9CM, 309.81.

The Vet Center counts were based on the data provided to EES on September 6, 2011 by Readjustment Counseling Services (RCS). The RCS staff matched the same DMDC roster with Vet Center users' records through 3rd Qtr FY 2011.

### **III. Distribution of Veterans by Diagnostic Code and Facility**

- A Veteran is counted only once in any facility specific category. For example, a Veteran who received health care from two or more medical centers within the same VISN was counted once for that VISN. Likewise, a Veteran who used services across two or more VISN facilities and a Vet Center was counted only once for the national overall total.
- The number for "Primary" indicates the total number of unique Veterans whose primary reason for the inpatient or outpatient visit was for treatment or evaluation of PTSD.
- The number for "Any" indicates the total number of unique Veterans coded with PTSD, whether or not the primary reasons for the inpatient or outpatient visit was for treatment or evaluation of PTSD.
- Both "Primary" and "Any" categories may include a preliminary diagnosis.

#### **IV. Summary:**

A query of VHA health care utilization databases using the May 2011 DMDC separation roster yielded a total of 197,074 OEF/OIF/OND Veterans coded with PTSD at a VA medical center and 41,689 Veterans who received Vet Center service for PTSD. Of these, 170,130 were seen only at a VAMC; 14,745 only at a Vet Center; and 26,944 were seen at both facilities. In summary, based on the electronic patient records available through June 30, 2011, a grand total of 211,819 OEF/OIF Veterans were seen for potential PTSD at VHA facilities following their return from Iraq or Afghanistan.

September 2011

Environmental Epidemiology Service  
Environmental Health Strategic Healthcare Group  
Office of Public Health  
Veterans Health Administration  
Department of Veterans Affairs

\* Effective September 1, 2010, the name of Operation Iraqi Freedom was changed to Operation New Dawn (Secretary of Defense memorandum, February 17, 2010). Because this is a cumulative report, Veterans who have served in any or all of these conflicts are included in the frequencies presented.

Number of Unique OEF/OIF/OND Veterans with Potential PTSD Utilizing VA Facilities during FY 2002 – 3rd Qtr FY 2011\*

VISN-Facility	Inpatients		Outpatients		Total Patients <sup>1</sup>		Vet Centers <sup>4</sup>			Grand Total <sup>5</sup>
	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	PTSD	Outreach	Other	
1-BEDFORD	67	190	797	887	803	908	149	105	208	996
1-BOSTON	153	454	2,067	2,393	2,080	2,468	692	169	1,672	2,745
1-MANCHESTER	.	.	729	821	729	821	266	40	1,047	947
1-NORTHAMPTON	188	234	623	677	665	725	199	1,880	442	795
1-PROVIDENCE	41	123	905	1,019	907	1,035	323	84	1,688	1,154
1-TOGUS	49	107	1,019	1,155	1,021	1,165	726	296	984	1,491
1-WEST HAVEN	51	134	1,989	2,134	1,989	2,143	512	311	1,802	2,300
1-WHITE RIVER JCT	54	108	857	961	861	975	985	302	433	1,679
Visn 1	536	1,141	8,128	8,973	8,137	9,044	3,852	3,187	8,276	10,765
2-UPSTATE N.Y. HCS	237	461	4,502	4,964	4,509	4,983	830	5,354	1,956	5,290
Visn 2	237	461	4,502	4,964	4,509	4,983	830	5,354	1,956	5,290
3-BRONX	49	95	834	934	839	949	145	80	120	1,002
3-EAST ORANGE	116	222	2,224	2,410	2,228	2,426	728	20,167	931	2,765
3-MONTROSE VA HUDSON HCS NY	57	91	791	846	792	853	148	75	310	928
3-N.Y. HARBOR HCS	57	204	1,988	2,233	1,994	2,260	446	960	805	2,450
3-NORTHPORT	53	148	890	1,027	891	1,037	112	39	194	1,066
Visn 3	317	716	6,282	6,901	6,292	6,949	1,579	21,321	2,360	7,587
4-BUTLER	.	.	416	462	416	462	.	.	.	462
4-CLARKSBURG	35	101	712	808	715	828	132	1,103	250	877
4-COATESVILLE	72	155	897	941	907	968	.	.	.	968
4-ERIE	.	14	555	623	555	625	171	13	203	693
4-JAMES E VAN ZANDT VAMC	1	17	757	855	757	855	73	172	5	882
4-LEBANON	57	129	1,265	1,370	1,270	1,384	331	931	64	1,526
4-PHILADELPHIA	69	187	2,379	2,564	2,380	2,570	264	616	110	2,650
4-PITTSBURGH-UNIV DR	88	228	771	920	797	1,016	778	852	481	1,609
4-WILKES BARRE	28	112	1,016	1,156	1,019	1,169	386	1,146	514	1,376
4-WILMINGTON	2	9	646	712	646	712	375	971	71	880
Visn 4	337	882	8,407	9,251	8,420	9,333	2,510	5,804	1,698	10,485
5-BALTIMORE	78	172	1,533	1,800	1,541	1,821	313	2,157	282	1,944
5-MARTINSBURG	63	144	1,361	1,422	1,361	1,424	164	157	29	1,464
5-WASHINGTON	56	150	2,358	2,668	2,363	2,690	734	1,412	595	3,007
Visn 5	190	436	4,980	5,568	4,988	5,594	1,211	3,726	906	6,050

Number of Unique OEF/OIF/OND Veterans with Potential PTSD Utilizing VA Facilities during FY 2002 – 3rd Qtr FY 2011\* (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients <sup>1</sup>		Vet Centers <sup>4</sup>			Grand Total <sup>5</sup>
	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	PTSD	Outreach	Other	
6-ASHEVILLE-OTEEEN	79	129	596	665	601	678	.	.	.	678
6-BECKLEY	.	16	575	598	575	598	188	24	92	656
6-DURHAM	134	224	1,830	2,001	1,833	2,029	556	6,197	82	2,259
6-FAYETTEVILLE NC	118	240	2,723	3,140	2,737	3,161	329	20,651	54	3,255
6-HAMPTON	61	109	1,684	1,868	1,686	1,875	220	3,840	324	1,973
6-RICHMOND	73	218	1,765	1,976	1,772	2,056	307	1,442	189	2,223
6-SALEM	112	188	830	932	866	992	62	11	3	1,006
6-SALISBURY	209	303	2,744	3,336	2,747	3,348	480	2,908	268	3,574
Visn 6	734	1,297	11,505	12,819	11,528	12,919	2,158	35,074	1,012	13,727
7-ATLANTA	101	228	3,176	3,521	3,178	3,535	511	2,647	170	3,775
7-AUGUSTA	148	325	1,565	1,710	1,571	1,762	.	.	.	1,762
7-BIRMINGHAM	2	122	1,996	2,233	1,996	2,255	268	2,485	88	2,360
7-CHARLESTON	45	151	2,190	2,566	2,194	2,589	546	7,795	434	2,801
7-COLUMBIA SC	46	145	2,697	2,937	2,701	2,942	526	3,998	51	3,166
7-DUBLIN	.	36	998	1,119	998	1,122	42	.	11	1,140
7-MONTGOMERY	121	242	2,335	2,618	2,352	2,645	62	6	2	2,662
7-TUSCALOOSA	98	148	1,333	1,370	1,338	1,379	.	.	.	1,379
Visn 7	535	1,276	14,989	16,526	14,997	16,590	1,955	16,931	756	17,295
8-BAY PINES	88	211	1,753	1,892	1,755	1,903	293	1,451	85	1,985
8-MIAMI	62	166	1,802	1,973	1,804	1,983	629	1,635	1,270	2,331
8-N FL/S GA HCS	83	274	2,725	3,093	2,732	3,122	708	3,878	320	3,437
8-ORLANDO FL VAMC	.	.	2,421	2,668	2,421	2,668	413	1,952	247	2,825
8-SAN JUAN PR	73	280	1,233	1,540	1,234	1,556	410	3,964	1,133	1,729
8-TAMPA	122	493	2,160	2,702	2,178	2,884	155	362	69	2,946
8-W PALM BEACH	65	165	919	1,012	922	1,030	198	32	75	1,098
Visn 8	472	1,511	11,632	13,074	11,640	13,246	2,806	13,274	3,199	14,381
9-HUNTINGTON	.	28	839	911	839	913	259	1,305	138	1,048
9-LEXINGTON-LEESTOWN	79	251	1,433	1,538	1,437	1,569	123	424	43	1,616
9-LOUISVILLE	57	195	1,168	1,338	1,175	1,371	92	1,044	36	1,403
9-MEMPHIS	98	172	1,314	1,529	1,322	1,543	508	1,870	104	1,859
9-MOUNTAIN HOME	91	199	1,592	1,740	1,592	1,743	462	683	156	1,917
9-VA MID TENN HCS NASH TN	257	557	3,198	3,550	3,212	3,615	680	733	100	3,919
Visn 9	566	1,347	9,129	10,111	9,150	10,207	2,124	6,059	577	11,152

Number of Unique OEF/OIF/OND Veterans with Potential PTSD Utilizing VA Facilities during FY 2002 – 3rd Qtr FY 2011\* (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients <sup>1</sup>		Vet Centers <sup>4</sup>			Grand Total <sup>5</sup>
	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	PTSD	Outreach	Other	
10-CHILLICOTHE	64	181	736	816	747	852	.	.	.	852
10-CINCINNATI	75	166	1,424	1,547	1,427	1,564	108	2,092	609	1,594
10-CLEVELAND-WADE PARK	60	214	2,178	2,389	2,179	2,414	183	1,478	1,425	2,462
10-COLUMBUS-IOC	.	.	1,059	1,204	1,059	1,204	281	72	243	1,346
10-DAYTON	84	186	1,065	1,188	1,074	1,217	86	29	15	1,251
Visn 10	276	716	6,029	6,639	6,041	6,696	658	3,671	2,292	6,918
11-ANN ARBOR HCS	64	155	1,424	1,590	1,432	1,614	107	222	18	1,648
11-BATTLE CREEK	166	247	1,692	1,842	1,704	1,864	297	733	47	1,980
11-DETROIT VAMC	36	114	969	1,203	979	1,225	269	889	60	1,344
11-ILLIANA HCS DANVILLE IL	35	116	1,179	1,385	1,179	1,390	165	1,282	1,433	1,446
11-INDIANAPOLIS-10TH ST	78	173	1,578	1,810	1,585	1,831	82	1,622	285	1,864
11-NORTHERN INDIANA HCS	29	91	952	1,084	955	1,089	151	1,012	246	1,163
11-SAGINAW	.	14	1,102	1,245	1,102	1,246	81	1	35	1,269
Visn 11	379	821	8,027	9,039	8,037	9,081	1,152	5,761	2,124	9,471
12-HINES	69	228	1,752	1,847	1,756	1,882	207	133	119	1,976
12-IRON MOUNTAIN	1	11	411	487	411	487	55	99	120	503
12-MADISON	52	162	917	1,049	925	1,090	119	25,718	410	1,152
12-MILWAUKEE	74	230	1,856	2,056	1,861	2,074	179	241	418	2,149
12-NORTH CHICAGO	51	124	852	1,062	870	1,091	146	822	112	1,183
12-TOMAH	47	111	934	1,035	936	1,045	8	1	.	1,053
12-VA CHICAGO HCS	69	137	1,147	1,300	1,151	1,314	247	169	550	1,440
Visn 12	335	905	7,158	7,996	7,178	8,077	961	27,183	1,729	8,438
15-VA HEARTLAND-E VH MO	180	414	3,247	3,588	3,252	3,614	511	2,784	663	3,839
15-VAMC HEARTLAND-W KANSAS MO	471	776	4,385	4,834	4,485	4,969	433	6,917	1,133	5,136
Visn 15	641	1,164	7,510	8,276	7,602	8,420	944	9,701	1,796	8,797

Number of Unique OEF/OIF/OND Veterans with Potential PTSD Utilizing VA Facilities during FY 2002 – 3rd Qtr FY 2011\* (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients <sup>1</sup>		Vet Centers <sup>4</sup>			Grand Total <sup>5</sup>
	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	PTSD	Outreach	Other	
16-ALEXANDRIA	51	173	1,084	1,240	1,093	1,269	4	.	.	1,271
16-FAYETTEVILLE AR	82	202	1,428	1,542	1,432	1,570	127	79	57	1,628
16-GULF COAST HCS	70	161	2,045	2,255	2,052	2,278	800	3,174	59	2,716
16-HOUSTON	293	447	3,311	3,532	3,329	3,563	306	788	98	3,678
16-JACKSON	41	109	828	981	830	994	146	500	228	1,049
16-LITTLE ROCK	278	450	2,674	2,878	2,692	2,914	393	754	519	3,044
16-MUSKOGEE	58	148	1,327	1,439	1,331	1,457	257	1	52	1,584
16-OKLAHOMA CITY	91	245	2,077	2,317	2,084	2,359	325	511	104	2,484
16-SHREVEPORT	77	154	1,303	1,406	1,307	1,420	359	4,293	39	1,622
16-SOUTHEAST LA HCS	3	5	1,562	1,743	1,562	1,743	478	1,144	220	2,028
Visn 16	984	1,933	16,614	18,148	16,651	18,282	3,195	11,244	1,376	19,673
17-DALLAS	175	386	4,386	4,718	4,390	4,735	655	1,236	197	5,073
17-SAN ANTONIO	126	324	4,249	4,771	4,252	4,783	1,082	3,220	588	5,209
17-VA CENTRAL TEXAS HCS	237	379	5,317	5,845	5,328	5,859	1,055	21,982	1,290	6,318
Visn 17	532	1,061	13,642	14,974	13,655	15,010	2,842	26,457	2,089	16,192
18-AMARILLO HCS	4	40	813	877	813	880	246	128	134	973
18-EL PASO HCS	.	.	1,290	1,393	1,290	1,393	73	1,113	422	1,421
18-NEW MEXICO HCS	88	185	1,967	2,132	1,969	2,142	599	644	244	2,338
18-NORTHERN ARIZONA HCS	2	8	579	623	579	623	185	77	58	702
18-PHOENIX	163	344	3,544	3,872	3,555	3,909	434	2,390	193	4,048
18-SOUTHERN ARIZONA HCS	200	327	1,716	1,929	1,731	1,967	288	3,559	1,093	2,088
18-WEST TEXAS HCS	1	11	652	713	652	713	132	95	211	760
Visn 18	433	857	9,987	10,876	9,996	10,930	1,957	8,006	2,355	11,558
19-CHEYENNE	1	11	775	856	775	856	295	641	331	1,000
19-DENVER	281	421	3,997	4,566	4,013	4,606	682	5,811	1,594	4,815
19-FORT HARRISON	9	67	1,399	1,543	1,399	1,545	449	1,282	305	1,725
19-GRAND JUNCTION	19	32	377	397	377	399	46	5	12	420
19-SALT LAKE CITY HTHCARE	108	259	2,137	2,427	2,140	2,442	451	2,461	724	2,643
19-SHERIDAN	117	176	635	722	641	728	.	.	.	728
Visn 19	495	887	8,750	9,865	8,765	9,908	1,923	10,200	2,966	10,604

Number of Unique OEF/OIF/OND Veterans with Potential PTSD Utilizing VA Facilities during FY 2002 – 3rd Qtr FY 2011\* (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients <sup>1</sup>		Vet Centers <sup>4</sup>			Grand Total <sup>5</sup>
	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	PTSD	Outreach	Other	
20-ALASKA HCS & RO	.	.	696	788	696	788	400	2,187	1,295	989
20-BOISE	42	81	613	773	620	786	308	660	1,082	971
20-PORTLAND	112	283	2,882	3,317	2,885	3,345	626	1,094	629	3,554
20-PUGET SOUND HCS	429	578	4,489	4,991	4,553	5,067	1,101	8,149	1,809	5,585
20-S.ORG REHAB WHITE CITY	.	.	474	508	474	508	90	46	132	539
20-SPOKANE	34	87	855	969	857	978	304	1,897	2,312	1,107
20-VA ROSEBURG HCS	205	219	852	924	913	982	233	3,863	77	1,047
20-WALLA WALLA	7	7	662	746	662	746	.	.	.	746
Visn 20	768	1,156	10,759	12,094	10,805	12,165	3,062	17,896	7,336	13,373
21-CENTRAL CALIFORNIA HCS	56	125	953	1,077	955	1,088	231	1,703	164	1,166
21-HONOLULU	26	43	1,214	1,344	1,216	1,350	269	1,214	2,495	1,466
21-MANILA	.	.	168	187	168	187	.	.	.	187
21-NCHC MARTINEZ	25	85	2,450	3,019	2,451	3,028	750	1,872	739	3,312
21-PALO ALTO-PALO ALTO	115	382	2,378	2,635	2,398	2,738	372	3,704	1,147	2,830
21-SAN FRANCISCO	31	113	1,126	1,207	1,129	1,244	242	253	421	1,315
21-SIERRA NEVADA HCS	23	87	699	748	700	760	127	1,133	49	803
Visn 21	266	799	8,431	9,501	8,449	9,622	1,991	9,879	5,015	10,243
22-GREATER LA HCS	99	267	3,476	4,043	3,479	4,075	556	2,197	1,587	4,267
22-LOMA LINDA	119	331	2,555	2,965	2,560	2,998	454	6,648	483	3,209
22-VA LONG BEACH HCS CA	57	152	2,639	2,906	2,641	2,915	431	185	919	3,221
22-VA SAN DIEGO HCS CA	92	326	3,845	4,323	3,851	4,357	645	4,816	2,913	4,570
22-VA SOUTHERN NEVADA HCS	45	110	1,160	1,314	1,169	1,335	221	31	692	1,432
Visn 22	396	1,117	12,943	14,566	12,961	14,655	2,307	13,877	6,594	15,536

Number of Unique OEF/OIF/OND Veterans with Potential PTSD Utilizing VA Facilities during FY 2002 – 3rd Qtr FY 2011\* (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients <sup>1</sup>		Vet Centers <sup>4</sup>			Grand Total <sup>5</sup>
	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	Primary <sup>2</sup>	Any <sup>3</sup>	PTSD	Outreach	Other	
23-FARGO	36	80	938	1,110	939	1,112	217	1,532	367	1,187
23-FORT MEADE	15	39	489	543	489	546	95	532	149	587
23-MINNEAPOLIS	50	254	1,634	1,938	1,637	1,993	429	1,426	483	2,230
23-SIOUX FALLS	10	55	571	679	571	682	306	528	1,464	842
23-ST CLOUD	54	136	1,135	1,200	1,137	1,211	.	.	.	1,211
23-VA NEB-WESTERN IA HCS	147	403	3,777	4,119	3,778	4,143	625	2,674	1,114	4,332
Visn 23	302	932	7,979	8,925	7,981	8,982	1,672	6,692	3,577	9,631
Unique Counts	9,305	20,124	178,038	196,185	178,198	197,074	41,689	261,297	59,989	211,819

\* Beginning in the 3<sup>rd</sup> Qtr FY 2009, Veterans who died in-theater are included in the quarterly analysis because this is a cumulative report going back to 2002, and due to the duration of OEF/OIF and repeated deployments, a number of these Veterans accessed VA health care services. The number of individuals who died in-theater through 3rd Qtr FY 2011 is 5,444.

1. The "total patient" counts were generated by matching a cumulative roster of 1,353,627 unique OEF/OIF/OND Veterans who had been separated from active duty as of May 2011, with VA inpatient (PTF) and outpatient (OPC) databases for FY 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, and through 3rd Qtr FY 2011. The DOD Defense Manpower Data Center identified and provided the identity of these Veterans to the VA Environmental Epidemiology Service on July 12, 2011.
2. The number for "Primary" indicates the total number of unique Veterans whose primary reason for the inpatient or outpatient visit was for treatment or evaluation of PTSD.
3. The number for "Any" indicates the total number of unique Veterans with PTSD whether or not the primary reasons for the inpatient or outpatient visit was for treatment or evaluation of PTSD.
4. The Vet Center counts were based on matching the DMDC OEF/OIF/OND roster with Vet Center users' records through 3rd Qtr FY 2011.
5. The number for "Grand Total" (n= 211,819) indicates the sum of "Any Total Patients" (n=197,074) and "Vet Center PTSD" (n=41,689) after excluding duplicates (n=26,944).