Report on VA Facility Specific Operation Enduring Freedom (OEF), Operation Iraqi Freedom (OIF), and Operation New Dawn (OND) Veterans Coded with Potential PTSD - Revised

Cumulative from 1st Qtr FY 2002 through 3rd Qtr FY 2012 (October 1, 2001 – June 30, 2012)

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Introduction

This is a revised quarterly report on Veterans who have used Department of Veterans Affairs (VA) health care and who served in Operation Enduring Freedom (OEF), Operation Iraqi Freedom (OIF), or Operation New Dawn (OND). This report shows the number and distribution of Veterans with potential (or provisional diagnosis of) Post-traumatic stress disorder (PTSD) by VA medical center (VAMC), Veterans Integrated Service Network (VISN), and Vet Center.

The data only apply to OEF/OIF/OND Veterans who have accessed VA health care, and do not represent all recent Veterans who have become eligible for VA health care. This report is created by linking the Department of Defense (DoD) roster of returning Veterans to VA's electronic inpatient and outpatient health records and Vet Center records.

This report was revised to correct an error in the number of PTSD cases originally reported, which represented an undercount of 10,299 PTSD cases. The original report was based on an improperly constructed patient data file that omitted three months of data.

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Check http://www.publichealth.va.gov/epidemiology for updates.

Background

This report is provided in response to a Government Accountability Office (GAO) request that VA enumerate the total number of OEF, OIF, and OND Veterans who were diagnosed with PTSD, by VISN and specific VAMC using VA inpatient and outpatient records. It was also requested that this information be aggregated with Vet Center utilization data. The Veterans Health Administration (VHA) prepared an initial report in October 2004 for health care utilization during FY 2004 (October 1, 2003-September 30, 2004). This current report covers VA health care data for FY 2002 through 3rd Qtr FY 2012 (October 1, 2001 – June 30, 2012).

Data Sources

OEF/OIF/OND Veteran Roster

Since October 2003, the Department of Defense (DoD) Defense Manpower Data Center (DMDC) has sent the VA, Office of Public Health, Post-Deployment Health Group, Epidemiology Program (EP), 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 11, 2012, there are a total of 1,515,707 unique OEF/OIF/OND Veterans (including 5,709 Veterans who died in-theater) who, as of May 2012, have separated from active duty following a deployment. For each Veteran, their demographic (social security number, name, date of birth, 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 (April 1, 2009- June 30, 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, 2012 to identify those who had sought treatment in VA facilities and to identify the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) diagnostic codes used to describe the visits. These are administrative data and are 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 -3rd Qtr FY 2012 following first deployments in Iraq or Afghanistan. For identification of a potential PTSD patient, we used ICD-9-CM, 309.81.

The Vet Center counts were based on the data provided to EP on August 29, 2012 by the Readjustment Counseling Service (RCS). The RCS staff matched the same DMDC roster with Vet Center users' records through 3rd Qtr FY 2012.

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.

Summary

A query of VHA health care utilization databases using the May 2012 DMDC roster yielded a total of 239,174 OEF/OIF/OND Veterans coded with PTSD at a VAMC and 51,173 Veterans who received Vet Center service for PTSD. Of these, 205,647 were seen only at a VAMC; 17,646 only at a Vet Center; and 33,527 were seen at both facilities. In summary, based on the electronic patient records available through June 30, 2012, a grand total of 256,820 OEF/OIF/OND Veterans were seen for potential PTSD at VHA facilities following their return from Iraq or Afghanistan.

OEF/OIF/OND Veterans with Potential PTSD Using VA Facilities - Revised

Table 1: Number and Distribution of Unique OEF/OIF/OND Veterans with Potential PTSD Utilizing VA Facilities during FY 2002-3rd Qtr FY 2012[1]

VISN-Facility	Inpatients		Outpatients		Total Patients[2]		Vet Centers[3]			Grand Total[4]
	Primary[5]	Any[6]	Primary[4]	Any[5]	Primary[4]	Any[5]	PTSD	Outreach	Others	
1-BEDFORD	86	249	1,025	1,147	1,033	1,168	183	110	257	1,267
1-BOSTON	194	596	2,464	2,891	2,478	2,993	812	272	2,946	3,335
1-MANCHESTER	.	.	960	1,083	960	1,083	313	91	1,211	1,224
1-NORTHAMPTON	245	302	986	1,135	1,044	1,199	235	1,894	662	1,281
1-PROVIDENCE	62	166	1,127	1,271	1,130	1,288	378	101	2,410	1,421
1-TOGUS	57	139	1,236	1,390	1,238	1,403	833	529	1,193	1,780
1-WEST HAVEN	64	201	2,450	2,606	2,451	2,622	613	369	2,219	2,805
1-WHITE RIVER JCT	65	141	1,047	1,182	1,052	1,203	1,108	362	731	1,956
VISN 1	691	1,515	10,024	11,088	10,037	11,179	4,475	3,728	11,629	13,092
2-UPSTATE N.Y. HCS	317	611	5,457	6,020	5,471	6,051	1,044	6,485	4,967	6,450
VISN 2	317	611	5,457	6,020	5,471	6,051	1,044	6,485	4,967	6,450
3-BRONX	60	126	1,007	1,123	1,013	1,145	179	83	149	1,209
3-EAST ORANGE	144	274	2,689	2,925	2,694	2,942	907	23,490	1,080	3,375
3-MONTROSE VA HUDSON HCS NY	75	121	977	1,047	979	1,053	183	76	405	1,137
3-N.Y. HARBOR HCS	73	266	2,389	2,696	2,396	2,730	513	1,153	1,027	2,950
3-NORTHPORT	79	187	1,085	1,255	1,087	1,268	137	39	263	1,302
VISN 3	409	902	7,558	8,321	7,573	8,371	1,919	24,841	2,924	9,148
4-BUTLER	.	.	514	578	514	578	.	.	.	578
4-CLARKSBURG	46	128	876	992	878	1,011	154	1,216	318	1,070
4-COATESVILLE	96	204	1,123	1,181	1,137	1,211	.	.	.	1,211
4-ERIE	.	16	680	752	680	754	198	13	227	827
4-JAMES E VAN ZANDT VAMC	1	27	924	1,060	924	1,061	106	235	1	1,112
4-LEBANON	67	165	1,500	1,622	1,505	1,639	381	1,016	93	1,800
4-PHILADELPHIA	82	247	2,819	3,057	2,820	3,066	348	645	176	3,192

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[1] To protect the privacy of Veterans, frequencies of fewer than 10 individuals are not reported

[2] The "total patient" counts were generated by matching a cumulative roster of 1,515,707 unique OEF/OIF/OND Veterans who had been separated from active duty as of May 2012, with VA PTF and OPC databases for FY 2002 through 3rd Qtr FY 2012. The DoD DMDC identified and provided the identity of these Veterans to the VA EP on July 11, 2012.

[3] The Vet Center counts were based on matching the DMDC OEF/OIF/OND roster with Vet Center users' records through 3rd Qtr FY 2012.

[4] The number for "Grand Total" (n= 256,820) indicates the sum of "Any Total Patients" (n=239,174) and "Vet Center PTSD" (n=51,173) after excluding duplicates (n=33,527).

[5] 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.

[6] 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.

OEF/OIF/OND Veterans Coded with Potential PTSD
Cumulative from FY 2002 – 3rd Qtr FY 2012, Revised December 2012

VISN-Facility	Inpatients		Outpatients		Total Patients[2]		Vet Centers[3]			Grand Total[4]
	Primary[5]	Any[6]	Primary[4]	Any[5]	Primary[4]	Any[5]	PTSD	Outreach	Others	
4-PITTSBURGH-UNIV DR	120	303	959	1,144	999	1,271	831	1,032	566	1,891
4-WILKES BARRE	30	131	1,202	1,380	1,204	1,392	423	1,240	585	1,609
4-WILMINGTON	[1]	14	797	871	797	871	441	1,049	98	1,067
VISN 4	422	1,144	10,131	11,174	10,144	11,264	2,882	6,446	2,071	12,549
5-BALTIMORE	90	205	1,820	2,132	1,829	2,154	428	2,424	353	2,332
5-MARTINSBURG	66	175	1,642	1,726	1,643	1,730	201	169	70	1,791
5-WASHINGTON	70	197	2,825	3,218	2,833	3,250	946	1,721	667	3,673
VISN 5	218	541	5,957	6,677	5,969	6,711	1,575	4,314	1,090	7,341
6-ASHEVILLE-OTEEN	99	171	762	864	768	883	.	.	.	883
6-BECKLEY	.	17	689	717	689	717	222	27	100	785
6-DURHAM	154	262	2,183	2,403	2,188	2,439	649	7,674	146	2,713
6-FAYETTEVILLE NC	151	315	3,556	4,095	3,568	4,119	423	25,497	89	4,245
6-HAMPTON	77	145	2,128	2,397	2,129	2,406	370	4,565	531	2,592
6-RICHMOND	88	288	2,180	2,463	2,191	2,566	378	1,701	205	2,770
6-SALEM	151	249	1,098	1,239	1,138	1,307	69	11	[1]	1,319
6-SALISBURY	271	404	3,302	4,009	3,306	4,033	554	3,426	329	4,280
VISN 6	923	1,676	14,381	16,110	14,403	16,232	2,777	43,078	1,443	17,334
7-ATLANTA	141	339	4,065	4,492	4,067	4,512	667	3,175	227	4,813
7-AUGUSTA	174	378	1,936	2,090	1,943	2,148	.	.	.	2,148
7-BIRMINGHAM	[1]	172	2,411	2,677	2,411	2,711	361	3,089	158	2,849
7-CHARLESTON	57	195	3,020	3,466	3,024	3,491	651	9,282	516	3,734
7-COLUMBIA SC	53	193	3,365	3,665	3,370	3,673	673	4,211	104	3,961
7-DUBLIN	.	44	1,269	1,419	1,269	1,423	63	[1]	26	1,454
7-MONTGOMERY	143	310	2,811	3,167	2,828	3,202	123	20	[1]	3,235
7-TUSCALOOSA	130	198	1,502	1,548	1,510	1,561	.	.	.	1,561
VISN 7	669	1,667	18,621	20,465	18,629	20,550	2,538	19,781	1,038	21,448
8-BAY PINES	115	276	2,208	2,392	2,213	2,415	398	1,593	130	2,525
8-MIAMI	84	223	2,273	2,495	2,278	2,513	680	2,023	1,330	2,865
8-N FL/S GA HCS	104	348	3,278	3,741	3,287	3,775	826	5,065	454	4,123
8-ORLANDO FL VAMC	.	.	3,184	3,550	3,184	3,550	598	2,350	305	3,761
8-SAN JUAN PR	80	332	1,515	1,847	1,516	1,863	447	4,266	1,216	2,046
8-TAMPA	158	639	2,580	3,232	2,604	3,457	199	470	139	3,534
8-W PALM BEACH	84	218	1,195	1,329	1,199	1,349	250	133	101	1,429
VISN 8	600	1,931	14,499	16,337	14,513	16,548	3,398	15,900	3,675	17,820
9-HUNTINGTON	.	36	911	996	911	998	300	1,473	156	1,160
9-LEXINGTON-LEESTOWN	88	310	1,667	1,797	1,671	1,838	162	545	80	1,905
9-LOUISVILLE	63	235	1,378	1,606	1,387	1,652	99	1,682	37	1,685
9-MEMPHIS	113	222	1,615	1,856	1,622	1,878	590	1,955	141	2,235
9-MOUNTAIN HOME	112	270	1,953	2,149	1,954	2,154	528	685	183	2,349
9-VA MID TENN HCS NASH TN	343	732	4,051	4,474	4,070	4,562	792	1,039	168	4,897
VISN 9	700	1,722	11,050	12,244	11,077	12,384	2,471	7,379	765	13,462
10-CHILLICOTHE	95	236	915	1,014	928	1,060	.	.	.	1,060
10-CINCINNATI	95	216	1,758	1,896	1,761	1,919	112	2,675	643	1,947
10-CLEVELAND-WADE PARK	73	273	2,627	2,902	2,628	2,930	250	1,726	1,606	2,998

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	Primary[5]	Any[6]	Primary[4]	Any[5]	Primary[4]	Any[5]	PTSD	Outreach	Others	
10-COLUMBUS-IOC	.	.	1,344	1,538	1,344	1,538	345	84	278	1,703
10-DAYTON	110	244	1,312	1,481	1,323	1,519	103	33	36	1,560
VISN 10	363	922	7,398	8,177	7,410	8,245	810	4,518	2,563	8,514
11-ANN ARBOR HCS	76	192	1,801	2,013	1,811	2,045	147	222	25	2,093
11-BATTLE CREEK	206	317	2,008	2,189	2,022	2,219	390	1,157	68	2,391
11-DETROIT VAMC	46	154	1,175	1,453	1,186	1,484	375	1,075	80	1,650
11-ILLIANA HCS DANVILLE IL	47	151	1,439	1,687	1,439	1,698	198	1,511	1,483	1,768
11-INDIANAPOLIS-10TH ST	105	231	1,831	2,117	1,840	2,142	92	2,052	347	2,180
11-NORTHERN INDIANA HCS	45	132	1,205	1,356	1,211	1,368	172	1,055	261	1,441
11-SAGINAW	.	17	1,405	1,567	1,405	1,568	121	1	55	1,600
VISN 11	487	1,068	9,774	10,992	9,784	11,046	1,495	7,073	2,319	11,567
12-HINES	90	304	2,121	2,239	2,125	2,282	285	202	185	2,409
12-IRON MOUNTAIN	1	11	492	578	492	578	65	167	170	600
12-MADISON	65	214	1,121	1,262	1,129	1,305	140	32,119	469	1,379
12-MILWAUKEE	103	303	2,220	2,453	2,226	2,474	219	259	490	2,557
12-NORTH CHICAGO	66	158	1,156	1,413	1,174	1,441	191	878	168	1,568
12-TOMAH	62	148	1,145	1,275	1,149	1,290	54	35	24	1,319
12-VA CHICAGO HCS	92	187	1,402	1,623	1,408	1,640	288	521	615	1,785
VISN 12	439	1,190	8,713	9,726	8,737	9,816	1,270	34,181	2,132	10,298
15-VA HEARTLAND-E VH MO	212	522	3,857	4,263	3,863	4,297	576	3,033	790	4,537
15-VAMC HEARTLAND-W KANSAS MO	609	1,045	5,539	6,162	5,665	6,334	592	8,343	1,216	6,560
VISN 15	805	1,530	9,232	10,229	9,348	10,413	1,168	11,376	2,006	10,860
16-ALEXANDRIA	68	232	1,447	1,639	1,459	1,677	28	10	1	1,690
16-FAYETTEVILLE AR	91	243	1,765	1,909	1,768	1,937	228	176	116	2,036
16-GULF COAST HCS	86	197	2,501	2,784	2,507	2,809	956	3,495	118	3,315
16-HOUSTON	418	630	4,155	4,438	4,178	4,482	400	812	142	4,639
16-JACKSON	64	153	1,062	1,265	1,067	1,289	205	1,776	240	1,358
16-LITTLE ROCK	342	549	3,076	3,312	3,095	3,351	419	785	570	3,485
16-MUSKOGEE	73	195	1,593	1,722	1,599	1,743	332	17	67	1,905
16-OKLAHOMA CITY	116	326	2,490	2,817	2,502	2,879	425	670	134	3,037
16-SHREVEPORT	103	202	1,619	1,751	1,623	1,765	419	5,239	40	1,982
16-SOUTHEAST LA HCS	1	1	1,908	2,145	1,908	2,145	589	2,747	321	2,477
VISN 16	1,281	2,489	20,225	22,170	20,266	22,329	4,001	15,727	1,753	24,014
17-DALLAS	225	529	5,398	5,816	5,405	5,845	850	1,401	291	6,250
17-SAN ANTONIO	161	453	5,076	5,694	5,081	5,716	1,354	4,517	652	6,299
17-VA CENTRAL TEXAS HCS	339	537	6,682	7,426	6,696	7,452	1,317	32,861	1,350	8,000
VISN 17	713	1,484	16,956	18,699	16,975	18,766	3,631	38,846	2,321	20,255
18-AMARILLO HCS	1	47	1,012	1,088	1,012	1,091	291	129	158	1,198
18-EL PASO HCS	.	.	1,582	1,745	1,582	1,745	100	1,566	495	1,783
18-NEW MEXICO HCS	110	249	2,369	2,558	2,371	2,574	724	678	281	2,831
18-NORTHERN ARIZONA HCS	1	11	750	810	750	810	218	83	69	901
18-PHOENIX	221	464	4,356	4,771	4,367	4,812	590	2,848	260	5,007
18-SOUTHERN ARIZONA HCS	242	405	2,047	2,314	2,063	2,365	356	4,505	1,157	2,517
18-WEST TEXAS HCS	1	12	818	899	818	899	175	97	235	964

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VISN-Facility	Inpatients		Outpatients		Total Patients[2]		Vet Centers[3]			Grand Total[4]
	Primary[5]	Any[6]	Primary[4]	Any[5]	Primary[4]	Any[5]	PTSD	Outreach	Others	
VISN 18	552	1,117	12,182	13,306	12,193	13,371	2,454	9,906	2,655	14,185
19-CHEYENNE	1	12	995	1,090	995	1,090	348	649	400	1,253
19-DENVER	326	503	5,140	5,894	5,156	5,934	934	7,756	1,748	6,223
19-FORT HARRISON	42	109	1,695	1,868	1,696	1,870	554	1,714	370	2,079
19-GRAND JUNCTION	24	42	445	472	445	474	76	1	16	507
19-SALT LAKE CITY HTHCARE	139	334	2,595	2,934	2,599	2,955	553	2,621	898	3,203
19-SHERIDAN	135	212	782	880	790	891	.	.	.	891
VISN 19	620	1,114	10,914	12,306	10,930	12,355	2,465	12,746	3,432	13,230
20-ALASKA HCS & RO	.	.	897	1,015	897	1,015	586	2,506	2,145	1,327
20-BOISE	49	99	780	963	787	977	359	773	1,166	1,195
20-PORTLAND	153	397	3,550	4,071	3,551	4,110	703	1,478	802	4,337
20-PUGET SOUND HCS	517	722	5,535	6,147	5,609	6,236	1,320	9,064	2,085	6,842
20-S.ORG REHAB WHITE CITY	.	.	612	651	612	651	96	61	165	685
20-SPOKANE	41	115	1,095	1,238	1,098	1,250	381	2,145	2,865	1,421
20-VA ROSEBURG HCS	223	242	1,033	1,125	1,096	1,185	250	3,965	136	1,253
20-WALLA WALLA	1	1	825	937	825	937	1	1	1	938
VISN 20	921	1,466	13,286	14,894	13,332	14,976	3,698	19,994	9,372	16,457
21-CENTRAL CALIFORNIA HCS	66	166	1,175	1,319	1,176	1,333	246	1,777	235	1,415
21-HONOLULU	31	57	1,492	1,664	1,494	1,671	293	1,253	2,915	1,792
21-MANILA	.	.	233	257	233	257	.	.	.	257
21-NCHC MARTINEZ	37	141	3,001	3,681	3,004	3,694	880	2,154	951	4,027
21-PALO ALTO-PALO ALTO	148	488	2,955	3,268	2,978	3,389	415	4,856	1,499	3,488
21-SAN FRANCISCO	37	142	1,329	1,433	1,332	1,478	257	476	514	1,547
21-SIERRA NEVADA HCS	31	110	841	917	842	929	142	1,393	83	977
VISN 21	337	1,051	10,263	11,570	10,284	11,710	2,233	11,909	6,197	12,392
22-GREATER LA HCS	132	347	4,195	4,900	4,199	4,938	689	2,912	2,113	5,183
22-LOMA LINDA	152	438	3,175	3,712	3,182	3,756	608	8,407	678	4,035
22-VA LONG BEACH HCS CA	88	225	3,352	3,669	3,357	3,687	501	363	1,133	4,019
22-VA SAN DIEGO HCS CA	103	424	4,751	5,385	4,758	5,431	792	6,487	3,989	5,691
22-VA SOUTHERN NEVADA HCS	60	150	1,442	1,623	1,452	1,648	294	31	763	1,776
VISN 22	515	1,491	15,930	17,979	15,954	18,094	2,884	18,200	8,676	19,165
23-FARGO	40	97	1,129	1,337	1,130	1,339	259	1,632	387	1,430
23-FORT MEADE	20	48	603	667	603	671	105	697	158	715
23-MINNEAPOLIS	54	291	1,873	2,264	1,876	2,333	507	1,491	561	2,605
23-SIOUX FALLS	17	88	699	830	699	835	343	1,334	1,562	1,013
23-ST CLOUD	57	166	1,392	1,479	1,394	1,490	.	.	.	1,490
23-VA NEB-WESTERN IA HCS	195	526	4,754	5,190	4,756	5,222	771	3,317	1,304	5,460
VISN 23[7]	371	1,165	9,690	10,871	9,693	10,944	1,985	8,471	3,972	11,709
Unique Counts										
	11,798	26,007	215,967	238,101	216,154	239,174	51,173	324,899	77,000	256,820

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[7] In 2002, VA merged VISNs 13 and 14 to form VISN 23.

OEF/OIF/OND Veterans Coded with Potential PTSD

Cumulative from FY 2002 – 3rd Qtr FY 2012, Revised December 2012