

VA Facility Specific OIF/OEF Veterans Coded with Potential PTSD Through 2nd Qt FY 2007

I. Background:

The Government Accountability Office (GAO) asked VA to enumerate the total number of OIF/OEF veterans who were diagnosed with PTSD by VISN and VAMC using VA inpatient and outpatient records. The GAO also asked for this information to be aggregated with Vet Center utilization data. VHA prepared an initial report in October 2004 showing healthcare utilization during FY 2004. This tenth report covers the VA healthcare data from FY2002 through 2nd Qt FY 2007.

II. Data Sources:

OIF/OEF veteran roster:

Since October 2003, the Department of Defense (DOD) Defense Manpower Data Center (DMDC) has sent the Department of Veterans Affairs (VA) Environmental Epidemiology Service (EES) a periodically updated personnel roster of troops who participated in Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF), and who had separated from active duty and become eligible for VA benefits. The roster was originally prepared based on the pay records of individuals, but in more recent months it 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 April 17, 2007, there are a total of 717,196 unique OIF/OEF veterans (excluding 3,303 who died in theater), who have been separated as of February 2007 from active duty following the 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.

VHA health care utilization records:

The roster was checked against VA's inpatient (PTF) and outpatient (OPC) electronic patient records available through March 31, 2007 to determine those who had sought treatment in VA facilities as well as the ICD-9 diagnostic codes used to describe the visits. Thus, the data we used was administrative data and not based on a careful review of each patient record. For the purpose of this report, we searched his/her health care utilization records during FY 2002, 2003, 2004, 2005, 2006 and through FY 2007 2nd Qt ending March 31, 2007, following his/her first deployment in the Iraq or Afghanistan theater. 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 June 13, 2007, by the Readjustment Counseling Service (RCS). The RCS staff matched the same

DMDC roster with Vet Center users' records through FY 2007 2nd Qt.

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 overall national 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 suspected diagnosis.

IV. Summary:

Recognizing the limitations of the DMDC deployment roster and the uncertainty of the final diagnostic data based on VHA's electronic patient records, a query of VHA health care utilization databases using the February 2007 DMDC separation roster yielded a total of 45,330 OIF/OEF veterans coded with PTSD at a VA medical center and 13,392 veterans who received Vet Center service for PTSD. Of these, 38,983 were seen only at a VAMC; 7,045 only at a Vet Center; and 6,347 were seen at both facilities. In summary, based on the electronic patient records available through March 31, 2007, a grand total of 52,375 OIF/OEF veterans were seen for potential PTSD at VHA facilities following their return from the Iraq or Afghanistan Theater.

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Number of unique OIF/OEF veterans with PTSD utilizing VA facilities during FY 2002 – 2nd Qt FY 2007

VISN-Facility	Inpatients		Outpatients		Total Patients ¹		Vet Centers ⁴			Grand Total ⁵
	Primary ²	Any ³	Primary ²	Any ³	Primary ²	Any ³	PTSD	Sub-PTSD	Other	
1-BEDFORD	9	32	176	194	176	199	54	5	81	242
1-BOSTON	26	73	558	652	562	669	284	20	445	800
1-MANCHESTER	.	.	162	201	162	201	131	8	440	289
1-NORTHAMPTON	28	36	175	185	177	187	82	2	1725	222
1-PROVIDENCE	14	41	328	379	329	384	124	1	707	446
1-TOGUS	2	16	271	312	271	314	246	77	416	453
1-WEST HAVEN	6	18	494	541	494	543	217	19	585	629
1-WHITE RIVER JCT	11	17	219	270	220	273	140	713	543	370
VISN 1	91	213	2269	2589	2271	2607	1278	845	4942	3250
2-UPSTATE N.Y. HCS	41	80	1175	1292	1177	1296	270	33	2587	1451
VISN 2	41	80	1175	1292	1177	1296	270	33	2587	1451
3-BRONX	11	23	224	256	225	260	35	7	102	280
3-EAST ORANGE	11	24	510	558	510	560	287	29	1713	752
3-MONTROSE VA HUDSON HCS NY	10	17	173	193	173	194	14	.	106	206
3-N.Y. HARBOR HCS	11	31	571	647	573	650	235	7	726	792
3-NORTHPORT	7	25	229	268	229	269	37	10	106	279
VISN 3	46	112	1641	1845	1644	1851	608	53	2753	2207
4-BUTLER	.	.	83	93	83	93	.	.	.	93
4-CLARKSBURG	6	14	222	243	222	244	77	.	783	287
4-COATESVILLE	7	15	161	174	162	177	.	.	.	177
4-ERIE	.	.	138	162	138	162	84	15	110	204
4-JAMES E VAN ZANDT VAMC	.	3	142	172	142	172	.	.	.	172
4-LEBANON	13	19	288	319	288	319	110	36	365	374
4-PHILADELPHIA	17	28	553	656	553	657	112	1	276	710
4-PITTSBURGH-UNIV DR	23	42	165	218	173	237	174	339	707	374
4-WILKES BARRE	8	18	213	254	214	255	152	55	1039	371
4-WILMINGTON	.	1	122	136	122	136	169	14	540	242
VISN 4	71	132	1955	2273	1957	2283	878	460	3820	2797
5-BALTIMORE	9	29	318	368	318	372	111	5	314	426
5-MARTINSBURG	11	20	351	377	351	377	92	1	28	415
5-WASHINGTON	9	20	483	536	484	540	184	27	849	634
VIISN 5	29	66	1120	1241	1121	1247	387	33	1191	1429

Number of unique OIF/OEF veterans with PTSD utilizing VA facilities during FY 2002 –2nd Qt FY 2007 (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients ¹		Vet Centers ⁴			Grand Total ⁵
	Primary ²	Any ³	Primary ²	Any ³	Primary ²	Any ³	PTSD	Sub-PTSD	Other	
6-ASHEVILLE-OTEEEN	14	17	136	172	136	172	.	.	.	172
6-BECKLEY	.	3	162	174	162	174	113	1	106	226
6-DURHAM	15	32	407	441	407	444	188	18	2782	543
6-FAYETTEVILLE NC	12	29	608	717	611	721	76	.	8707	758
6-HAMPTON	8	13	369	409	369	410	40	30	1908	429
6-RICHMOND	11	34	363	403	365	416	84	6	584	472
6-SALEM	12	20	158	188	161	192	26	2	3	201
6-SALISBURY	23	33	510	588	511	592	59	102	1467	627
VISN 6	94	176	2622	2973	2629	2994	586	159	15557	3273
7-ATLANTA	23	41	531	586	532	590	150	14	840	704
7-AUGUSTA	17	65	355	432	356	448	.	.	.	448
7-BIRMINGHAM	.	20	378	464	378	468	88	6	1629	540
7-CHARLESTON	9	13	311	377	313	379	177	26	3590	489
7-COLUMBIA SC	9	20	542	598	544	601	209	2	1172	733
7-DUBLIN	.	3	197	230	197	231	.	.	.	231
7-MONTGOMERY	36	50	666	743	673	752	.	.	.	752
7-TUSCALOOSA	11	20	422	441	423	442	.	.	.	442
VISN 7	103	221	3297	3739	3304	3762	624	48	7231	4143
8-BAY PINES	10	34	325	364	325	370	101	9	989	420
8-MIAMI	9	25	399	449	400	451	429	19	1395	782
8-N FL/S GA HCS	15	45	662	778	663	784	164	71	2007	879
8-ORLANDO FL VAMC	.	.	277	319	277	319	121	17	671	393
8-SAN JUAN PR	14	46	259	390	260	392	145	110	2635	451
8-TAMPA	24	74	734	848	735	868	50	2	23	891
8-W PALM BEACH	14	24	185	206	185	207	.	.	.	207
VISN 8	85	237	2575	3043	2577	3071	1010	228	7720	3642
9-HUNTINGTON	.	3	272	293	272	294	116	16	614	347
9-LEXINGTON-LEESTOWN	14	32	260	318	262	323	40	5	323	344
9-LOUISVILLE	14	32	199	236	203	244	25	26	614	255
9-MEMPHIS	22	39	264	321	267	329	58	117	1271	355
9-MOUNTAIN HOME	11	24	309	357	310	358	76	1	171	385
9-VA MID TENN HCS NASH TN	34	77	494	598	499	616	94	254	928	671
VISN 9	93	205	1766	2085	1779	2121	409	419	3921	2309

Number of unique OIF/OEF veterans with PTSD utilizing VA facilities during FY 2002 – 2nd Qt FY 2007 (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients ¹		Vet Centers ⁴			Grand Total ⁵
	Primary ²	Any ³	Primary ²	Any ³	Primary ²	Any ³	PTSD	Sub-PTSD	Other	
10-CHILLICOTHE	9	20	159	186	159	189	.	.	.	189
10-CINCINNATI	8	20	245	268	245	270	55	11	664	294
10-CLEVELAND-WADE PARK	10	38	524	596	524	604	43	16	1469	620
10-COLUMBUS-IOC	.	.	191	228	191	228	116	11	151	302
10-DAYTON	10	17	171	203	173	207	41	2	40	238
VISN 10	37	94	1254	1431	1255	1444	255	40	2324	1576
11-ANN ARBOR HCS	6	18	206	239	207	243	.	.	.	243
11-BATTLE CREEK	22	30	298	337	300	341	96	.	115	403
11-DETROIT VAMC	5	22	141	206	143	211	102	15	456	280
11-ILLIANA HCS DANVILLE IL	3	15	280	337	280	337	45	8	808	356
11-INDIANAPOLIS-10TH ST	14	22	242	283	242	283	30	.	408	303
11-NORTHERN INDIANA HCS	2	6	132	169	132	171	57	11	414	214
11-SAGINAW	.	.	221	284	221	284	.	.	.	284
VISN 11	51	109	1473	1791	1475	1798	330	34	2201	1992
12-HINES	16	37	293	329	295	338	66	24	141	382
12-ILLIANA HCS DANVILLE IL	32	.	512	32
12-IRON MOUNTAIN	1	1	68	83	68	83	.	.	.	83
12-MADISON	4	21	154	188	154	195	33	28	7049	216
12-MILWAUKEE	13	33	354	418	357	424	24	11	101	439
12-NORTH CHICAGO	7	17	158	204	160	211	53	9	282	242
12-TOMAH	9	18	191	231	191	234	.	.	.	234
12-VA CHICAGO HCS	4	11	221	266	221	269	125	3	521	355
VISN 12	52	131	1381	1643	1385	1669	333	75	8606	1874
15-VA HEARTLAND-E VH MO	27	58	631	731	632	736	130	35	1733	810
15-VAMC HEARTLAND-W KANSAS MO	99	163	680	787	706	829	150	8	3965	938
VISN 15	126	220	1303	1508	1329	1553	280	43	5698	1735

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VISN-Facility	Inpatients		Outpatients		Total Patients ¹		Vet Centers ⁴			Grand Total ⁵
	Primary ²	Any ³	Primary ²	Any ³	Primary ²	Any ³	PTSD	Sub-PTSD	Other	
16-ALEXANDRIA	9	27	183	235	187	243	.	.	.	243
16-FAYETTEVILLE AR	11	22	224	238	224	241	.	.	.	241
16-GULF COAST HCS	11	27	527	588	532	598	510	5	1077	972
16-HOUSTON	14	22	527	574	529	578	78	6	260	625
16-JACKSON	4	19	142	199	143	203	20	35	264	211
16-LITTLE ROCK	41	72	602	641	610	655	208	42	564	768
16-MUSKOGEE	2	9	204	232	204	233	106	19	17	309
16-OKLAHOMA CITY	13	33	338	402	341	413	56	31	249	437
16-SHREVEPORT	10	22	249	282	250	287	113	185	1975	364
16-SOUTHEAST LA HCS	3	5	337	374	337	374	71	123	11	426
VISN 16	117	253	3248	3665	3264	3714	1162	446	4417	4451
17-DALLAS	18	47	573	653	576	661	130	56	579	760
17-SAN ANTONIO	27	45	810	914	812	919	292	67	2026	1064
17-VA CENTRAL TEXAS HCS	24	33	767	934	769	936	214	40	907	1075
VISN 17	69	123	2109	2455	2116	2470	636	163	3512	2838
18-AMARILLO HCS	.	2	146	169	146	170	62	59	96	203
18-EL PASO HCS	.	.	156	174	156	174	22	1	937	187
18-NEW MEXICO HCS	17	42	543	581	545	585	229	14	309	677
18-NORTHERN ARIZONA HCS	1	1	125	137	125	137	42	11	43	151
18-PHOENIX	23	57	734	821	737	826	90	7	914	858
18-SOUTHERN ARIZONA HCS	29	48	328	394	331	399	89	1	2324	449
18-WEST TEXAS HCS	.	2	119	142	119	142	47	3	245	163
VISN 18	69	146	2081	2337	2084	2347	581	96	4868	2590
19-CHEYENNE	.	1	102	114	102	115	92	18	429	179
19-DENVER	42	64	705	823	710	830	214	3	3176	943
19-FORT HARRISON	1	8	284	343	284	344	213	13	662	480
19-GRAND JUNCTION	.	.	55	69	55	69	.	.	.	69
19-SALT LAKE CITY HTHCARE	20	38	418	483	419	490	171	33	2014	598
19-SHERIDAN	14	23	105	131	107	133	.	.	.	133
VISN 19	70	124	1615	1904	1621	1919	690	67	6281	2321

Number of unique OIF/OEF veterans with PTSD utilizing VA facilities during FY 2002 – 2nd Qt FY 2007 (Continued)

VISN-Facility	Inpatients		Outpatients		Total Patients ¹		Vet Centers ⁴			Grand Total ⁵
	Primary ²	Any ³	Primary ²	Any ³	Primary ²	Any ³	PTSD	Sub-PTSD	Other	
20-ALASKA HCS & RO	.	.	73	111	73	111	150	21	1069	214
20-BOISE	4	15	129	169	132	173	77	82	1547	233
20-PORTLAND	12	33	594	700	594	702	239	37	599	844
20-PUGET SOUND HCS	92	120	868	959	887	983	361	52	6197	1208
20-S.ORG REHAB WHITE CITY	.	.	61	72	61	72	32	2	84	94
20-SPOKANE	6	14	188	217	188	221	98	18	1384	269
20-VA ROSEBURG HCS	49	50	227	251	254	277	80	24	1584	319
20-WALLA WALLA	2	2	121	144	121	144	.	.	.	144
VISN 20	154	219	2191	2539	2212	2568	1037	236	12464	3185
21-CENTRAL CALIFORNIA HCS	8	15	210	252	211	258	99	1	488	301
21-HONOLULU	1	4	190	204	190	205	74	26	1647	255
21-MANILA	.	.	14	14	14	14	.	.	.	14
21-NCHC MARTINEZ	.	.	468	687	468	687	302	44	1271	853
21-PALO ALTO-PALO ALTO	23	73	429	492	435	520	117	4	1139	569
21-SAN FRANCISCO	3	15	247	275	248	282	81	10	163	327
21-SIERRA NEVADA HCS	3	12	136	154	136	155	52	3	155	180
VISN 21	35	116	1644	2007	1650	2042	725	88	4863	2404
22-GREATER LA HCS	9	28	719	830	720	835	246	19	1300	981
22-LOMA LINDA	26	52	536	641	537	648	157	12	2643	735
22-VA LONG BEACH HCS CA	5	13	441	524	441	526	143	9	466	654
22-VA SAN DIEGO HCS CA	17	36	632	759	633	766	228	6	4450	888
22-VA SOUTHERN NEVADA HCS	6	17	250	295	251	297	68	12	497	337
VISN 22	62	142	2518	2962	2521	2980	842	58	9356	3480

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	Primary ²	Any ³	Primary ²	Any ³	Primary ²	Any ³	PTSD	Sub-PTSD	Other	
23-FARGO	1	4	68	87	68	87	79	1	791	143
23-FORT MEADE	3	4	109	142	109	143	35	8	328	168
23-MINNEAPOLIS	11	50	302	356	303	373	62	52	1010	411
23-SIOUX FALLS	3	14	126	186	127	190	80	76	1575	237
23-ST CLOUD	4	10	176	196	176	199	.	.	.	199
23-VA NEB-WESTERN IA HCS	16	48	797	887	797	893	215	29	1998	998
VISN 23	38	129	1543	1806	1544	1829	471	166	5702	2091
Unique Counts	1480	3114	39152	45040	39225	45330	13392	3790	120014	52375

1. The "total patient" counts were generated by matching a cumulative roster of 717,196 unique OIF/OEF veterans, who had been separated from active duty as of February 2007, with VA inpatient (PTF) and outpatient (OPC) databases for FY 2002, 2003, 2004, 2005, 2006, and through 2nd Qt FY 2007. The DOD Defense Manpower Data Center identified and provided the identity of these veterans to the VA Environmental Epidemiology Service on April 17, 2007.
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 OIF/OEF roster with Vet Center users' records through 2nd Qt FY 2007.
5. The number for "Grand Total" (n=52,375) indicates the sum of "Any Total Patients" (n=45,330) and "Vet Center PTSD" (n=13,392) after excluding known duplicates (n=6,347).