Deployment Health Assessments

U.S. Armed Forces

September 2011

(Data through August 2011)

Armed Forces Health Surveillance Center

Report Date: September 27, 2011

Update: Deployment Health Assessments, U.S. Armed Forces, August 2011

Since January 2003, peaks and troughs in the numbers of pre- and post-deployment health assessment forms transmitted to the Armed Forces Health Surveillance Center generally corresponded to times of departure and return of large numbers of deployers. Between April 2006 and August 2011, the number of post-deployment reassessment (PDHRA) forms per month ranged from 15,309 to 36,845 (Table 1, Figure 1).

During the past 12 months, the proportions of returned deployers who rated their health as "fair" or "poor" were 8-11% on post-deployment health assessment questionnaires and 10-13% on PDHRA questionnaires (Figure 2).

In general, on post-deployment assessments and reassessments, deployers in the Army and in reserve components were more likely than their respective counterparts to report health and exposure-related concerns (Table 2, Figure 3). With the exception of Navy reserve component members, both active and reserve component members were more likely to report exposure concerns three to six months after, compared to the time of return from deployment (Figure 3).

At the time of return from deployment, soldiers serving in the active component were the most likely of all deployers to receive mental health referrals; however, three to six months after returning, Army reservists were more likely than active component soldiers to receive mental health referrals (Table 2).

Finally, during the past three years, reserve component members have been more likely than active component service members to report "exposure concerns" on postdeployment assessments and reassessments (Figure 3).

Table 1. Deployment-related health assessment forms, by month, U.S. Armed Forces, September 2010-August 2011

	Pre-deplo assessr DD279	nent	Post-deplo assessr DD27	nent	Post-deployment reassessment DD2900			
	No.	%	No.	%	No.	%		
Total	392,914	100	348,729	100	307,186	100		
2010								
September	33,481	8.5	28,899	8.3	28,512	9.3		
October	27,590	7.0	27,981	8.0	27,183	8.8		
November	24,087	6.1	29,935	8.6	30,363	9.9		
December	31,913	8.1	30,720	8.8	24,849	8.1		
2011								
January	42,456	10.8	24,882	7.1	28,505	9.3		
February	33,703	8.6	25,550	7.3	26,236	8.5		
March	37,539	9.6	33,027	9.5	28,776	9.4		
April	39,254	10.0	34,684	9.9	24,490	8.0		
May	33,926	8.6	30,013	8.6	21,005	6.8		
June	32,875	8.4	27,597	7.9	21,425	7.0		
July	27,201	6.9	28,608	8.2	22,840	7.4		
August	28,889	7.4	26,833	7.7	23,002	7.5		

Figure 2. Proportion of deployment health assessment forms with self-assessed health status as "fair" or "poor", U.S. Armed Forces, July 2010-August 2011

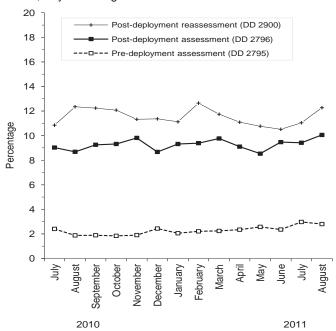
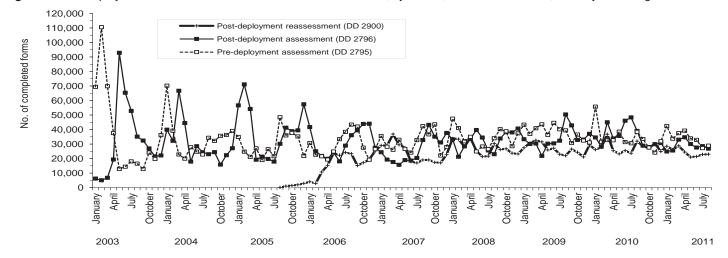


Figure 1. Total deployment health assessment and reassessment forms, by month, U.S. Armed Forces, January 2003-August 2011



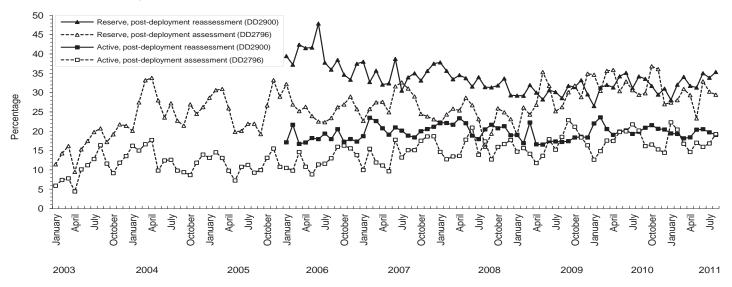
Data Source: Defense Medical Surveillance System

Table 2. Percentage of service members who endorsed selected questions/received referrals on health assessment forms, U.S. Armed Forces, September 2010-August 2011

Army		Navy			Air Force			Marine Corps			All service members			
Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900
n= 142,300	n= 117,606	n= 125,483	n= 15,670	n= 19,718	n= 16,377	n= 60,731	n= 51,441	n= 49,664	n= 33,047	n= 35,570	n= 32,447	n= 251,748	n= 224,335	n= 223,971
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
3.9	10.8	13.2	1.2	4.5	6.2	0.6	3.4	4.1	1.4	8.3	10.8	2.6	8.1	10.3
12.0	25.7	23.8	3.2	10.9	15.6	2.3	6.4	11.1	2.3	14.2	22.4	7.9	18.2	20.2
na	23.3	23.1	na	10.9	13.7	na	8.7	8.8	na	19.3	22.6	na	18.3	19.2
na	18.3	18.9	na	18.7	24.7	na	12.7	14.2	na	19.4	30.3	na	17.2	19.9
na	11.4	11.4	na	5.2	8.7	na	2.6	2.9	na	9.3	13.4	na	8.5	9.6
na	30.4	30.6	na	21.1	26.5	na	13.0	13.9	na	27.3	33.8	na	25.1	27.1
5.2	36.9	29.0	3.3	18.7	17.8	2.0	15.9	8.3	2.3	24.8	27.6	4.0	28.5	23.4
1.6	9.6	15.6	0.4	2.4	6.6	0.5	1.6	2.8	0.2	2.7	7.1	1.1	6.0	10.9
98.8	99.7	97.7	94.0	90.6	94.6	88.4	98.6	99.3	67.5	83.7	91.6	94.3	95.9	96.7
Army			Navy		Air Force		Marine Corps			All service members				
Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900
n= 60,558	n= 56,210	n= 55,962	n= 3,885	n= 5,354	n= 5,766	n= 14,199	n= 12,282	n= 14,987	n= 2,964	n= 2,481	n= 3,011	n= 81,606	n= 76,327	n= 79,726
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
0.9	12.1	16.9	0.3	9.0	9.2	0.3	5.6	5.8	8.0	12.5	11.6	8.0	10.8	14.1
13.5	36.8	43.0	1.9	28.3	33.7	8.0	9.4	17.1	3.0	40.7	40.3	10.4	31.9	37.3
13.5 na	36.8 27.3	43.0 31.9	1.9 na	28.3 22.4	33.7 22.0	0.8 na	9.4 14.8	17.1 12.3	3.0 na	40.7 30.8	40.3 29.9	10.4 na	31.9 25.0	37.3 27.4
na	27.3	31.9	na	22.4	22.0	na	14.8	12.3	na	30.8	29.9	na	25.0	27.4
na na	27.3 31.5	31.9 34.2	na na	22.4 42.1	22.0 38.6	na na	14.8 17.4	12.3 21.3	na na	30.8 23.4	29.9 37.0	na na	25.0 29.7	27.4 32.2
na na na	27.3 31.5 11.1	31.9 34.2 19.8	na na na	22.4 42.1 7.0	22.0 38.6 13.5	na na na	14.8 17.4 3.4	12.3 21.3 3.9	na na na	30.8 23.4 12.0	29.9 37.0 21.8	na na na	25.0 29.7 9.6	27.4 32.2 16.4
na na na na	27.3 31.5 11.1 29.4	31.9 34.2 19.8 33.4	na na na na	22.4 42.1 7.0 27.8	22.0 38.6 13.5 27.5	na na na na	14.8 17.4 3.4 15.3	12.3 21.3 3.9 15.2	na na na na	30.8 23.4 12.0 38.0	29.9 37.0 21.8 30.4	na na na na	25.0 29.7 9.6 27.3	27.4 32.2 16.4 29.5
	deploy DD2795 n= 142,300 % 3.9 12.0 na na na 5.2 1.6 98.8 Pre-deploy DD2795 n= 60,558 %	Pre-deploy deploy DD2795 DD2796 D17,606 % % 3.9 10.8 12.0 25.7 na 23.3 na 18.3 na 11.4 na 30.4 5.2 36.9 1.6 96.98.8 99.7 Army Pre-deploy DD2795 DD2795 DD2795 DD2795 DD2796 n= n= 60,558 56,210 % %	Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 n= 142,300 n= 117,606 n= 125,483 % % % 3.9 10.8 13.2 12.0 25.7 23.8 na 23.3 23.1 na 11.4 11.4 na 30.4 30.6 5.2 36.9 29.0 1.6 9.6 15.6 98.8 99.7 97.7 Army Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 n= 60,558 56,210 55,962 % % %	Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2795 n= 142,300 117,606 125,483 15,670 % % % % 3.9 10.8 13.2 1.2 12.0 25.7 23.8 3.2 na 23.3 23.1 na na 11.4 11.4 na na 30.4 30.6 na 5.2 36.9 29.0 3.3 1.6 9.6 15.6 0.4 98.8 99.7 97.7 94.0 Army Predeploy DD2795 DD2796 Reassessmt DD2900 Predeploy DD2795 DD2795 DD2796 PS,962 3,885 % % % %	Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2796 n= 142,300 117,606 125,483 n= 15,670 19,718 % % % % 3.9 10.8 13.2 1.2 4.5 12.0 25.7 23.8 3.2 10.9 na 23.3 23.1 na 10.9 na 18.3 18.9 na 18.7 na 30.4 30.6 na 21.1 5.2 36.9 29.0 3.3 18.7 1.6 9.6 15.6 0.4 2.4 98.8 99.7 97.7 94.0 90.6 Army Navy Predeploy DD2795 DD2796 Reassessmt DD2900 Predeploy DD2795 DD2796 n= ne	Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 n= 142,300 117,606 125,483 15,670 19,718 n= 16,377 % % % % % % 3.9 10.8 13.2 1.2 4.5 6.2 12.0 25.7 23.8 3.2 10.9 15.6 na 23.3 23.1 na 10.9 13.7 na 18.3 18.9 na 18.7 24.7 na 30.4 30.6 na 21.1 26.5 5.2 36.9 29.0 3.3 18.7 17.8 1.6 9.6 15.6 0.4 2.4 6.6 98.8 99.7 97.7 94.0 90.6 94.6 Army Navy Predeploy DD2795 DD2796 DD2900 DD2795 DD2796 Reassessmt DD2900 DD2795 DD2796 <td>Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2900 Reassessmt DD2900 Predeploy DD2795 n= 142,300 117,606 125,483 15,670 19,718 16,377 60,731 % % % % % % 3.9 10.8 13.2 1.2 4.5 6.2 0.6 12.0 25.7 23.8 3.2 10.9 15.6 2.3 na 23.3 23.1 na 10.9 13.7 na na 18.3 18.9 na 18.7 24.7 na na 30.4 30.6 na 21.1 26.5 na 5.2 36.9 29.0 3.3 18.7 17.8 2.0 1.6 9.6 15.6 0.4 2.4 6.6 0.5 98.8 99.7 97.7 94.0 90.6 94.6 88.4</td> <td>Predeploy DD2796 Post-deploy DD2796 Reassessmt deploy DD2796 Predeploy deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Predeploy DD2900 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2900 Predeploy DD2796 Predeploy DD2796</td> <td>Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2795 Reassessmt DD2900 Reassessmt RD2900 Reassessmt RD2900</td> <td> Pre-deploy DD2796 Post-deploy DD2900 DD2795 DD2795 DD2796 DD2796 DD2795 DD2796 DD2795 D</td> <td> Pre-deploy DD2796 DD2796</td> <td> Pre-deploy Post-deploy Pre-deploy DD2796 DD2796</td> <td>Predeploy DD2796 Post-deploy DD2796 Reassessmt deploy DD2796 Reassessmt DD2900 Pre-DD2900 DD2796 Post-deploy DD2796 Post-</td> <td>Predeploy deploy DD2796 Reassessmt deploy DD2900 Reassessmt deploy DD2900 Predeploy DD2900</td>	Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2795 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2900 Reassessmt DD2900 Predeploy DD2795 n= 142,300 117,606 125,483 15,670 19,718 16,377 60,731 % % % % % % 3.9 10.8 13.2 1.2 4.5 6.2 0.6 12.0 25.7 23.8 3.2 10.9 15.6 2.3 na 23.3 23.1 na 10.9 13.7 na na 18.3 18.9 na 18.7 24.7 na na 30.4 30.6 na 21.1 26.5 na 5.2 36.9 29.0 3.3 18.7 17.8 2.0 1.6 9.6 15.6 0.4 2.4 6.6 0.5 98.8 99.7 97.7 94.0 90.6 94.6 88.4	Predeploy DD2796 Post-deploy DD2796 Reassessmt deploy DD2796 Predeploy deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Predeploy DD2900 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2900 Predeploy DD2796 Predeploy DD2796	Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2796 Post-deploy DD2796 Reassessmt DD2900 Predeploy DD2795 Reassessmt DD2900 Reassessmt RD2900 Reassessmt RD2900	Pre-deploy DD2796 Post-deploy DD2900 DD2795 DD2795 DD2796 DD2796 DD2795 DD2796 DD2795 D	Pre-deploy DD2796 DD2796	Pre-deploy Post-deploy Pre-deploy DD2796 DD2796	Predeploy DD2796 Post-deploy DD2796 Reassessmt deploy DD2796 Reassessmt DD2900 Pre-DD2900 DD2796 Post-deploy DD2796 Post-	Predeploy deploy DD2796 Reassessmt deploy DD2900 Reassessmt deploy DD2900 Predeploy DD2900

^aIncludes behavioral health, combat stress and substance abuse referrals.

Figure 3. Proportion of service members who endorsed exposure concerns on post-deployment health assessments, U.S. Armed Forces, January 2003-August 2011



^bRecord of inpatient or outpatient visit within 6 months after referral.