Deployment Health Assessments

U.S. Armed Forces

December 2012

(Data through November 2012)

Armed Forces Health Surveillance Center

Report Date: December 08, 2012

Update: Deployment Health Assessments, U.S. Armed Forces, December 2012

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 November 2012, 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 7-10 percent on post-deployment health assessment questionnaires and 10-13 percent on PDHRA questionnaires (Figure 2).

In general, on post-deployment assessments and reassessments, deployers in reserve components were more likely than their respective counterparts to report health and exposure-related concerns (Table 2, Figure 3). In general, 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 (Table 2).

At the time of return from deployment, soldiers serving in the active component of the Army were the most likely of all deployers to receive mental health referrals; three to six months after returning, reservists in all services were more likely than their active component counterparts 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 post-deployment assessments and reassessments (Figure 3).

Table 1. Deployment-related health assessment forms, by month, U.S. Armed Forces, December 2011-November 2012

	Pre-deploy assessm DD279	ent	Post-deplo assessr DD27	nent	Post-deployment reassessment DD2900		
	No.	%	No.	%	No.	%	
Total	330,168	100	316,513	100	283,937	100	
2011							
December	22,060	6.7	41,351	13.1	21,685	7.6	
2012							
January	32,283	9.8	28,119	8.9	27,621	9.7	
February	31,475	9.5	20,270	6.4	26,461	9.3	
March	29,305	8.9	30,122	9.5	31,808	11.2	
April	28,245	8.6	27,598	8.7	33,897	11.9	
May	28,109	8.5	28,571	9.0	26,108	9.2	
June	21,413	6.5	25,514	8.1	20,551	7.2	
July	26,329	8.0	24,479	7.7	18,152	6.4	
August	31,186	9.4	24,751	7.8	22,070	7.8	
September	28,539	8.6	24,213	7.6	20,547	7.2	
October	25,311	7.7	23,730	7.5	18,480	6.5	
November	25,913	7.8	17,795	5.6	16,557	5.8	

Figure 2. Proportion of deployment health assessment forms with self-assessed health status as "fair" or "poor," U.S. Armed Forces, December 2011-November 2012

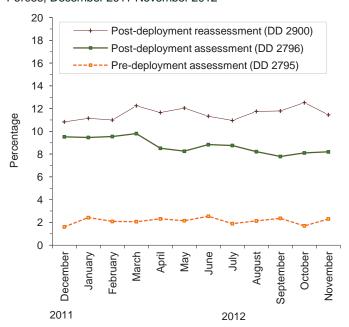
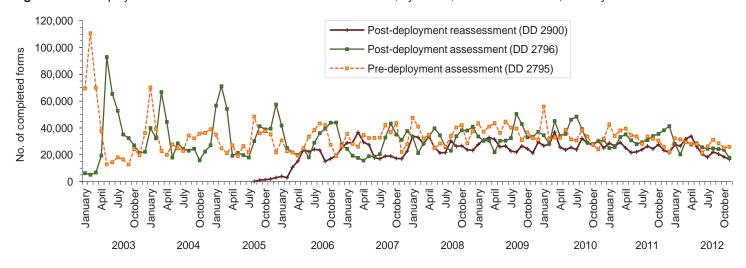


Figure 1. Total deployment health assessment and reassessment forms, by month, U.S. Armed Forces, January 2003-November 2012



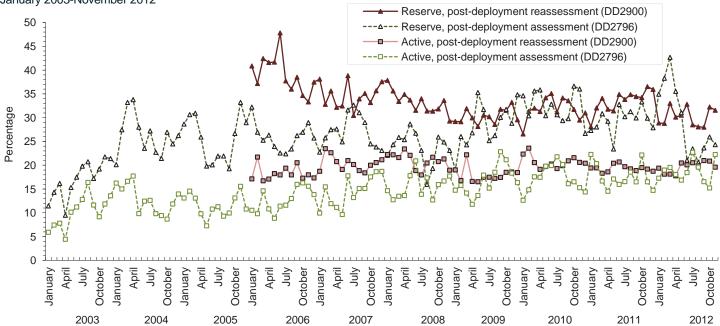
Data Source: Defense Medical Surveillance System

Table 2. Percentage of service members who endorsed selected questions/received referrals on health assessment forms, U.S. Armed Forces, December 2011-November 2012

	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
Active component	n= 131,266 %	n= 105,899 %	n= 117,385 %	n= 11,841 %	n= 14,193 %	n= 17,071 %	n= 47,848 %	n= 45,267 %	n= 37,572 %	n= 26,595 %	n= 37,638 %	n= 36,417 %	n= 217,550 %	n= 202,997 %	n= 208,445 %
General health "fair" or "poor"	3.5	10.4	14.4	0.8	4.8	6.0	0.5	3.4	3.7	1.4	6.8	9.9	2.4	7.8	11.0
Health concerns, not wound or injury	13.7	25.8	25.2	2.6	13.8	16.1	2.3	7.2	11.2	2.3	14.6	20.2	9.2	18.7	21.0
Health worse now than before deployed	0.0	22.8	26.9	na	12.3	14.0	na	8.9	8.7	na	15.9	20.9	na	17.7	21.5
Exposure concerns	0.0	18.4	17.0	na	16.8	24.1	na	20.9	15.3	na	15.7	29.3	na	18.3	19.4
PTSD symptoms (2 or more)	0.0	12.0	14.4	na	6.3	9.2	na	2.6	3.0	na	6.3	11.5	na	8.4	11.4
Depression symptoms (any)	0.0	28.5	32.3	na	21.0	27.9	na	11.4	12.0	na	25.5	32.0	na	23.6	28.2
Referral indicated by provider (any)	4.8	39.8	24.0	2.6	23.2	18.3	1.8	19.2	9.0	2.7	24.9	21.2	3.7	31.3	20.3
Mental health referral indicated ^a	1.8	10.3	8.0	0.5	3.3	6.1	0.3	1.7	2.9	0.3	2.5	7.0	1.2	6.5	6.8
Medical visit following referral ^b	99.3	99.8	98.7	90.6	94.3	92.7	98.7	98.2	99.7	71.4	85.7	89.4	96.1	97.3	96.6
				Navy		Air Force		Marine Corps			All service members				
		Army			Navy	<u>'</u>			е		Marine Co	orps			embers
	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Post- deploy DD2796	Reassessmt DD2900	Pre- deploy DD2795	Poet-	e Reassessmt DD2900	Pro-	Post- deploy DD2796	Reassessmt DD2900	Pro-	Post- deploy	Reassessmt DD2900
Reserve component	deploy	Post- deploy		deploy	Post- deploy	Reassessmt	deploy	Post- deploy	Reassessmt	Pre- deploy	Post- deploy	Reassessmt	Pre- deploy	Post- deploy	Reassessmt
Reserve component General health "fair" or "poor"	deploy DD2795 n= 44,090	Post- deploy DD2796 n= 52,147	DD2900 n= 51,159	deploy DD2795 n= 3,835	Post- deploy DD2796 n= 3,451	Reassessmt DD2900 n= 4,913	deploy DD2795 n= 13,304	Post- deploy DD2796 n= 13,945	Reassessmt DD2900 n= 11,651	Pre- deploy DD2795 n= 1,488	Post- deploy DD2796 n= 2,795	Reassessmt DD2900 n= 3,709	Pre- deploy DD2795 n= 62,717	Post- deploy DD2796 n= 72,338	Reassessmt DD2900 n= 71,432
·	deploy DD2795 n= 44,090 %	Post- deploy DD2796 n= 52,147 %	DD2900 n= 51,159 %	deploy DD2795 n= 3,835 %	Post- deploy DD2796 n= 3,451 %	Reassessmt DD2900 n= 4,913 %	deploy DD2795 n= 13,304 %	Post- deploy DD2796 n= 13,945 %	Reassessmt DD2900 n= 11,651 %	Pre- deploy DD2795 n= 1,488 %	Post- deploy DD2796 n= 2,795 %	Reassessmt DD2900 n= 3,709 %	Pre- deploy DD2795 n= 62,717 %	Post- deploy DD2796 n= 72,338 %	Reassessmt DD2900 n= 71,432 %
General health "fair" or "poor" Health concerns, not wound	deploy DD2795 n= 44,090 % 0.8	Post- deploy DD2796 n= 52,147 % 11.3	n= 51,159 % 14.9	deploy DD2795 n= 3,835 % 0.3	Post- deploy DD2796 n= 3,451 % 6.9	Reassessmt DD2900 n= 4,913 % 9.5	deploy DD2795 n= 13,304 % 0.3	Post- deploy DD2796 n= 13,945 %	Reassessmi DD2900 n= 11,651 % 4.9	Pre- deploy DD2795 n= 1,488 % 0.9	Post-deploy DD2796 n= 2,795 % 10.9	Reassessmt DD2900 n= 3,709 % 12.7	Pre- deploy DD2795 n= 62,717 % 0.7	Post-deploy DD2796 n= 72,338 % 9.9	Reassessmt DD2900 n= 71,432 % 12.8
General health "fair" or "poor" Health concerns, not wound or injury Health worse now than before	deploy DD2795 n= 44,090 % 0.8	Post-deploy DD2796 n= 52,147 % 11.3	DD2900 n= 51,159 % 14.9 40.8	deploy DD2795 n= 3,835 % 0.3	Post-deploy DD2796 n= 3,451 % 6.9 38.1	Reassessmt DD2900 n= 4,913 % 9.5 34.9	deploy DD2795 n= 13,304 % 0.3	Post-deploy DD2796 n= 13,945 % 5.2 9.4	Reassessmt DD2900 n= 11,651 % 4.9	Predeploy DD2795 n= 1,488 % 0.9 2.0	Post-deploy DD2796 n= 2,795 % 10.9 29.7	Reassessmt DD2900 n= 3,709 % 12.7 42.9	Pre- deploy DD2795 n= 62,717 % 0.7	Post-deploy DD2796 n= 72,338 % 9.9 26.6	Reassessmt DD2900 n= 71,432 % 12.8 36.7
General health "fair" or "poor" Health concerns, not wound or injury Health worse now than before deployed	deploy DD2795 n= 44,090 % 0.8 9.8	Post-deploy DD2796 n= 52,147 % 11.3 30.2 25.2	DD2900 n= 51,159 % 14.9 40.8 30.3	deploy DD2795 n= 3,835 % 0.3 1.1	Post-deploy DD2796 n= 3,451 % 6.9 38.1 20.5	Reassessmt DD2900 n= 4,913 % 9.5 34.9 23.7	deploy DD2795 n= 13,304 % 0.3 0.7	Post-deploy DD2796 n= 13,945 % 5.2 9.4 13.3	Reassessmt DD2900 n= 11,651 % 4.9 17.4 11.8	Predeploy DD2795 n= 1,488 % 0.9 2.0 na	Post-deploy DD2796 n= 2,795 % 10.9 29.7 28.5	Reassessmt DD2900 n= 3,709 % 12.7 42.9 30.7	Pre- deploy DD2795 n= 62,717 % 0.7 7.2	Post-deploy DD2796 n= 72,338 % 9.9 26.6 22.8	Reassessmt DD2900 n= 71,432 % 12.8 36.7 26.8
General health "fair" or "poor" Health concerns, not wound or injury Health worse now than before deployed Exposure concerns	deploy DD2795 n= 44,090 % 0.8 9.8 0.0	Post-deploy DD2796 n= 52,147 % 11.3 30.2 25.2 29.4	n= 51,159 % 14.9 40.8 30.3 31.3	deploy DD2795 n= 3,835 % 0.3 1.1 na	Post-deploy DD2796 n= 3,451 % 6.9 38.1 20.5	Reassessmt DD2900 n= 4,913 % 9.5 34.9 23.7 37.0	deploy DD2795 n= 13,304 % 0.3 0.7 na	Post-deploy DD2796 n= 13,945 % 5.2 9.4 13.3	Reassessmt DD2900 n= 11,651 % 4.9 17.4 11.8 22.4	Pre- deploy DD2795 n= 1,488 % 0.9 2.0 na	Post-deploy DD2796 n= 2,795 % 10.9 29.7 28.5 27.7	Reassessmt DD2900 n= 3,709 % 12.7 42.9 30.7 37.9	Pre- deploy DD2795 n= 62,717 % 0.7 7.2 na	Post-deploy DD2796 n= 72,338 % 9.9 26.6 22.8 29.6	Reassessmt DD2900 n= 71,432 % 12.8 36.7 26.8 30.6
General health "fair" or "poor" Health concerns, not wound or injury Health worse now than before deployed Exposure concerns PTSD symptoms (2 or more)	deploy DD2795 n= 44,090 % 0.8 9.8 0.0 0.0	Post-deploy DD2796 n= 52,147 % 11.3 30.2 25.2 29.4 9.7	n= 51,159 % 14.9 40.8 30.3 31.3	deploy DD2795 n= 3,835 % 0.3 1.1 na na	Post-deploy DD2796 n= 3,451 % 6.9 38.1 20.5 35.4 7.3	Reassessmt DD2900 n= 4,913 % 9.5 34.9 23.7 37.0 12.5	deploy DD2795 n= 13,304 % 0.3 0.7 na na	Post-deploy DD2796 n= 13,945 % 5.2 9.4 13.3 29.0 2.6	Reassessmt DD2900 n= 11,651 % 4.9 17.4 11.8 22.4 3.3	Pre-deploy DD2795 n= 1,488 % 0.9 2.0 na na	Post-deploy DD2796 n= 2,795 % 10.9 29.7 28.5 27.7 9.4	Reassessmt DD2900 n= 3,709 % 12.7 42.9 30.7 37.9 19.7	Pre- deploy DD2795 n= 62,717 % 0.7 7.2 na na	Post-deploy DD2796 n= 72,338 % 9.9 26.6 22.8 29.6 8.2	Reassessmt DD2900 n= 71,432 % 12.8 36.7 26.8 30.6 14.9
General health "fair" or "poor" Health concerns, not wound or injury Health worse now than before deployed Exposure concerns PTSD symptoms (2 or more) Depression symptoms (any) Referral indicated by provider	deploy DD2795 n= 44,090 % 0.8 9.8 0.0 0.0 0.0	Post-deploy DD2796 n= 52,147 % 11.3 30.2 25.2 29.4 9.7 26.5	n= 51,159 % 14.9 40.8 30.3 31.3 17.4	deploy DD2795 n= 3,8355 % 0.3 1.1 na na	Post-deploy DD2796 n= 3,451 % 6.9 38.1 20.5 35.4 7.3 23.7	Reassessmt DD2900 n= 4,913 % 9.5 34.9 23.7 37.0 12.5 31.2	deploy DD2795 n= 13,304 % 0.3 0.7 na na	Post-deploy DD2796 n= 13,945 % 5.2 9.4 13.3 29.0 2.6 12.9	Reassessmt DD2900 n= 11,651 % 4.9 17.4 11.8 22.4 3.3 13.5	Predeploy DD2795 n= 1,488 % 0.9 2.0 na na na	Post-deploy DD2796 n= 2,795 % 10.9 29.7 28.5 27.7 9.4 31.9	Reassessmt DD2900 n= 3,709 % 12.7 42.9 30.7 37.9 19.7 36.8	Pre-deploy DD2795 n= 62,717 % 0.7 7.2 na na na	Post-deploy DD2796 n= 72,338 % 9.9 26.6 22.8 29.6 8.2 23.9	Reassessmt DD2900 n= 71,432 % 12.8 36.7 26.8 30.6 14.9 29.2
General health "fair" or "poor" Health concerns, not wound or injury Health worse now than before deployed Exposure concerns PTSD symptoms (2 or more) Depression symptoms (any) Referral indicated by provider (any) Mental health referral	deploy DD2795 n= 44,090 % 0.8 9.8 0.0 0.0 0.0	Post-deploy DD2796 n= 52,147 % 11.3 30.2 25.2 29.4 9.7 26.5 43.3	n= 51,159 % 14.9 40.8 30.3 31.3 17.4 32.1 51.1	deploy DD2795 n= 3,835 % 0.3 1.1 na na na	Post-deploy DD2796 n= 3,451 % 6.9 38.1 20.5 35.4 7.3 23.7	Reassessmt DD2900 n= 4,913 % 9.5 34.9 23.7 37.0 12.5 31.2 35.9	deploy DD2795 n= 13,304 % 0.3 0.7 na na na na	Post-deploy DD2796 n= 13,945 % 5.2 9.4 13.3 29.0 2.6 12.9 23.7	Reassessmt DD2900 n= 11,651 % 4.9 17.4 11.8 22.4 3.3 13.5 13.9	Predeploy DD2795 n= 1,488 % 0.9 2.0 na na na na 1.4	Post-deploy DD2796 n= 2,795 % 10.9 29.7 28.5 27.7 9.4 31.9 42.4	Reassessmt DD2900 n= 3,709 % 12.7 42.9 30.7 37.9 19.7 36.8 45.4	Predeploy DD2795 n= 62,717 % 0.7 7.2 na na na na 2.7	Post-deploy DD2796 n= 72,338 % 9.9 26.6 22.8 29.6 8.2 23.9 39.3	Reassessmt DD2900 n= 71,432 % 12.8 36.7 26.8 30.6 14.9 29.2 43.7

^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-November 2012



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