

# Deployment Health Assessments U.S. Armed Forces Annual Summary 2020

Armed Forces Health Surveillance Division

# Annual Summary: Deployment Health Assessments, U.S. Armed Forces, 2020

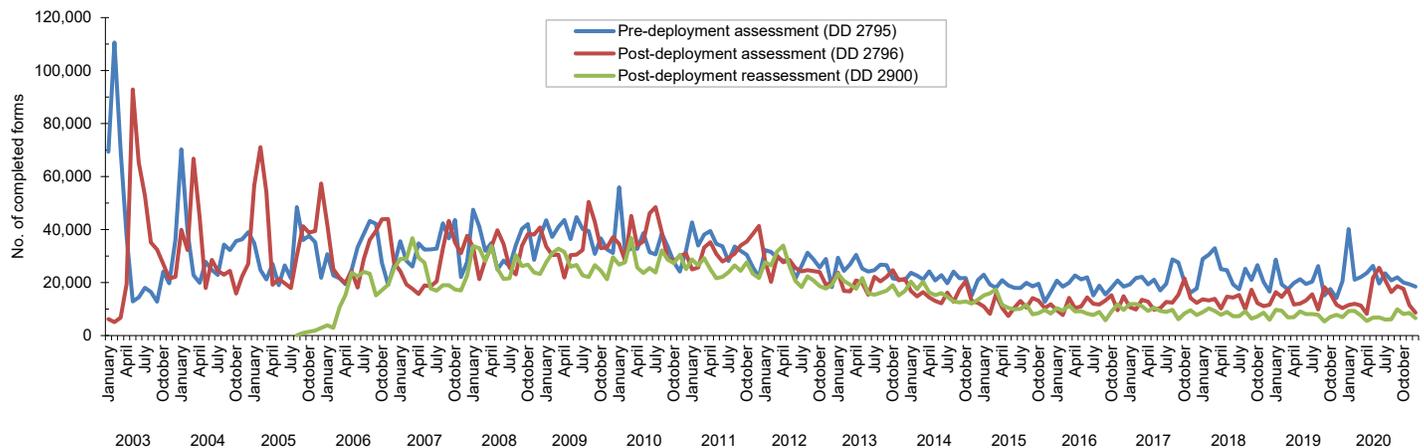
Since January 2003, pronounced fluctuations in the monthly numbers of pre- and post-deployment health assessment (PDHA) forms transmitted to the Armed Forces Health Surveillance Branch (AFHSB) generally have corresponded to times of departure and return of large numbers of service members who deployed. For the purposes of this report about service members' responses to the assessment questions, it is important to note that the denominator is the total number of service members who completed deployment-related assessments, not the total number of service members eligible for the assessments.

From January 2016 through December 2020, monthly counts of pre-deployment health assessment forms showed the greatest variation compared to the other deployment health assessment forms (Figure 1). The most pronounced fluctuations in monthly counts of pre-deployment health assessment forms during this period occurred from June 2017 through March 2020 (Figure 1). The monthly count of pre-deployment health assessment forms in January 2020 (40,203) was the highest count during the most recent 12 months (Table 1) and the highest count since January 2011 (Figure 1). For the past 10 years, counts of post-deployment health reassessment (PDHRA) forms showed a pronounced downward trend; since June 2017, the monthly counts of these questionnaires were consistently lower than the monthly counts of PDHA forms (Figure 1).

During the past 12 months, the percentages of total returned deployers who rated their health as either "fair" or "poor" ranged from 5.6% to 10.6% on PDHA questionnaires and from 6.4% to 9.3% on PDHRA questionnaires (Figure 2). The percentages of total service members who rated their health as either "fair" or "poor" on pre-deployment questionnaires during this period varied between 2.2% and 5.2%.

In general, the percentages of "exposure concerns" self-reported on PDHA and PDHRA forms were higher among reserve component members than among active component members (Table 2, Figure 3). Reserve component Marine Corps members were 1.8 times as likely to report 2 or more PTSD symptoms at the time of the PDHRA compared to the time of the PDHA (Table 2). During the past year, at the time of return from deployment, 19.1% of active component and 15.6% of reserve component service members reported any depression symptoms. Service members in the active and reserve components were 3.7 and 7.6 times as likely, respectively, to receive a mental health referral 3–6 months after deployment, compared to the time of their return from deployment. Moreover, at the time of the PDHRA, reservists were 1.7 times as likely to receive a mental health referral as members of the active component (Table 2).

**Figure 1.** Numbers of deployment health assessment and reassessment forms, a by month, U.S. Armed Forces, January 2003–December 2020



No., number.

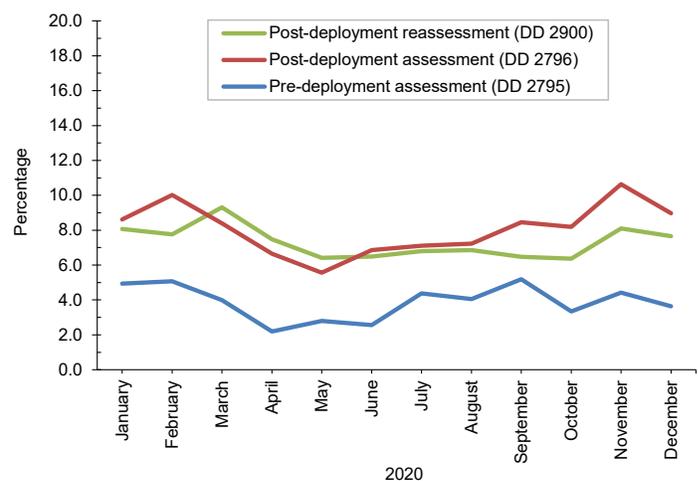
\*Pre-deployment health assessment forms are completed 30–90 days prior to departure for deployment. Post-deployment assessment forms are completed 1–30 days after return from deployment. Post-deployment health reassessment forms are completed 90–180 days after return from deployment.

**Table 1.** Number of deployment-related health assessment forms, by month, U.S. Armed Forces, January 2020–December 2020

	Pre-deployment assessment DD 2795		Post-deployment assessment DD 2796		Post-deployment reassessment DD 2900	
	No.	%	No.	%	No.	%
Total	277,184	100.0	184,209	100.0	90,480	100.0
Average	23,099	.	15,351	.	7,540	.
<b>2020</b>						
January	40,203	14.5	11,511	6.2	9,314	10.3
February	21,118	7.6	11,987	6.5	9,269	10.2
March	22,033	7.9	11,362	6.2	7,524	8.3
April	23,624	8.5	8,195	4.4	5,471	6.0
May	26,345	9.5	21,781	11.8	6,757	7.5
June	19,628	7.1	25,552	13.9	6,821	7.5
July	23,550	8.5	21,017	11.4	6,063	6.7
August	20,822	7.5	16,370	8.9	6,095	6.7
September	22,021	7.9	18,641	10.1	9,911	11.0
October	20,037	7.2	17,679	9.6	8,124	9.0
November	19,363	7.0	11,459	6.2	8,552	9.5
December	18,440	6.7	8,655	4.7	6,579	7.3

Source: Defense Medical Surveillance System (DMSS) as of 06-JAN-2021  
Prepared by Armed Forces Health Surveillance Division (AFHSD)

**Figure 2.** Percentages of deployment health assessment forms with self-assessed health status rated as either "fair" or "poor," by month, U.S. Armed Forces, January 2020–December 2020



**Table 2.** Percentage of service members who endorsed selected questions or received referrals on health assessment forms, U.S. Armed Forces, January 2020–December 2020

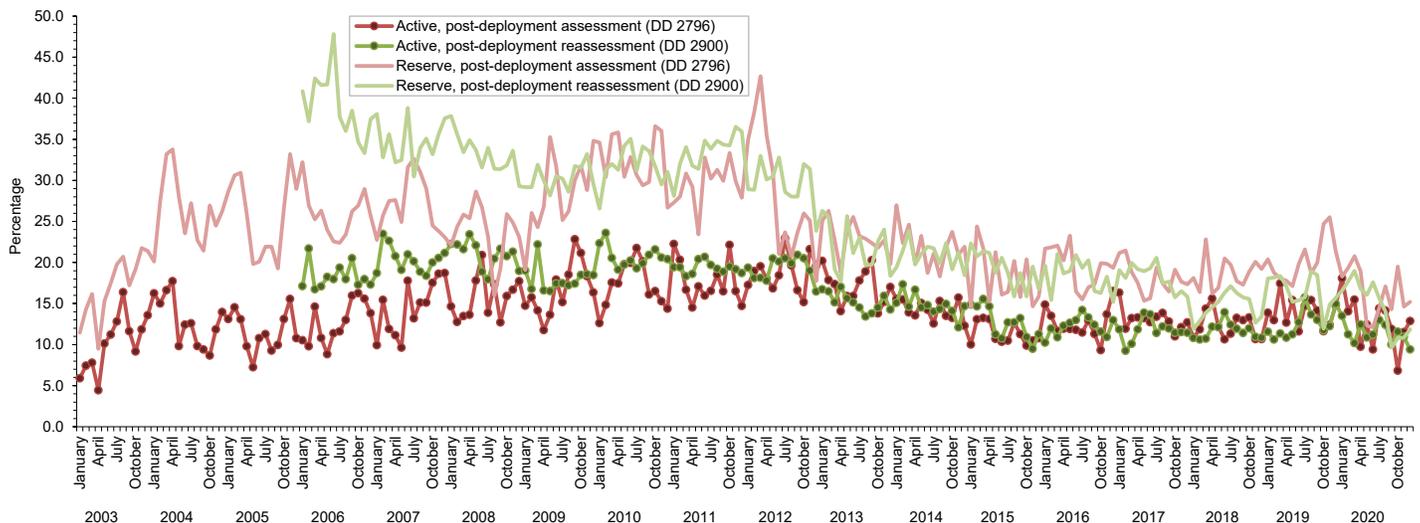
	Army			Navy			Air Force			Marine Corps			All active component service members		
	Pre-deploy DD2795	Post-deploy DD2796	Reassessmt DD2900	Pre-deploy DD2795	Post-deploy DD2796	Reassessmt DD2900	Pre-deploy DD2795	Post-deploy DD2796	Reassessmt DD2900	Pre-deploy DD2795	Post-deploy DD2796	Reassessmt DD2900	Pre-deploy DD2795	Post-deploy DD2796	Reassessmt DD2900
Active component	n= 98,699 %	n= 51,941 %	n= 24,500 %	n= 6,424 %	n= 5,318 %	n= 6,157 %	n= 40,225 %	n= 31,808 %	n= 27,514 %	n= 16,421 %	n= 14,344 %	n= 10,647 %	n= 161,769 %	n= 103,411 %	n= 68,818 %
General health "fair" or "poor"	6.8	10.7	10.6	2.8	7.4	8.1	1.8	4.3	4.5	3.8	7.1	9.3	5.1	8.1	7.8
Health concerns, not wound or injury	7.3	17.3	11.2	5.6	15.7	12.1	3.9	10.4	9.7	4.8	12.4	10.9	6.1	14.4	10.6
Health worse now than before deployed	na	73.4	73.9	na	74.5	76.7	na	63.6	71.9	na	72.1	76.5	na	70.3	73.8
Exposure concerns	na	11.8	11.7	na	17.0	15.2	na	13.4	10.9	na	9.3	9.6	na	12.2	11.4
PTSD symptoms (two or more)	na	6.9	8.5	na	7.6	8.3	na	4.0	4.2	na	3.4	4.9	na	5.6	6.2
Depression symptoms (any)	na	23.0	22.4	na	23.6	25.6	na	12.5	11.7	na	17.9	19.2	na	19.1	17.9
Referral indicated by provider (any)	5.6	11.8	12.5	6.0	28.4	19.7	7.2	17.9	10.5	6.9	18.5	16.1	6.1	15.5	12.9
Mental health referral indicated <sup>a</sup>	1.6	2.6	10.1	1.0	6.5	17.5	1.5	3.4	9.3	0.8	2.5	14.5	1.4	3.0	11.1
Medical visit following referral <sup>b</sup>	97.7	98.5	96.9	87.0	84.8	87.5	99.4	98.0	99.1	94.6	92.6	91.6	97.3	95.6	95.3
	Army			Navy			Air Force			Marine Corps			All reserve component 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
Reserve component	n= 53,134 %	n= 54,786 %	n= 4,707 %	n= 3,289 %	n= 2,429 %	n= 2,630 %	n= 20,401 %	n= 15,887 %	n= 12,503 %	n= 1,031 %	n= 635 %	n= 1,026 %	n= 77,855 %	n= 73,737 %	n= 20,866 %
General health "fair" or "poor"	1.2	7.9	6.8	1.2	10.7	9.2	0.8	4.0	3.9	0.7	8.5	8.1	1.1	7.1	5.4
Health concerns, not wound or injury	2.2	14.4	10.3	3.5	38.5	13.5	1.8	8.6	5.6	2.7	20.5	10.6	2.2	14.0	7.9
Health worse now than before deployed	na	72.9	70.5	na	75.9	79.4	na	73.8	76.3	na	76.2	77.7	na	73.2	75.4
Exposure concerns	na	15.0	11.8	na	38.9	33.3	na	13.4	10.3	na	19.7	17.3	na	15.5	13.9
PTSD symptoms (two or more)	na	6.3	7.1	na	9.6	9.7	na	3.0	3.0	na	5.2	9.4	na	5.7	5.1
Depression symptoms (any)	na	17.0	14.3	na	24.3	22.7	na	9.4	9.1	na	21.7	19.8	na	15.6	12.5
Referral indicated by provider (any)	2.1	14.0	15.8	9.6	52.1	36.6	3.5	16.1	17.9	6.8	46.1	32.1	2.9	16.0	20.5
Mental health referral indicated <sup>a</sup>	0.4	2.3	11.2	0.9	9.2	35.8	0.5	2.0	17.3	0.7	6.5	31.8	0.5	2.5	19.0
Medical visit following referral <sup>b</sup>	72.8	93.9	59.6	94.1	80.2	55.5	89.9	86.3	78.9	100.0	99.3	46.2	82.6	90.6	67.4

PTSD, post-traumatic stress disorder

<sup>a</sup>Includes behavioral health, combat stress and substance abuse referrals.

<sup>b</sup>Record of inpatient or outpatient visit within 6 months after referral.

**Figure 3.** Percentages of service members with completed assessments who endorsed exposure concerns on post-deployment health assessments or reassessments, by component, by month, U.S. Armed Forces, January 2003–December 2020



Data Source: Defense Medical Surveillance System