

**Evaluation of the Department of Veteran Affairs Mental Health Services--  
OEF/OIF/OND Veterans' Access to Health Services Survey**

**OMB No. 2900-xxxx**

**Estimated Burden: 35 minutes**

**Expiration Date: xx/xx/xxxx**

**The Paperwork Reduction Act of 1995:** This information is collected in accordance with section 3507 of the Paperwork Reduction Act of 1995. Accordingly, we may not conduct or sponsor and you are not required to respond to, a collection of information unless it displays a valid OMB number. We anticipate that the time expended by all individuals who complete this survey will average 35 minutes. This includes the time it will take to follow instructions, gather the necessary facts and respond to questions asked. The purpose of this web-based survey is to help VA to better understand why Veterans choose to use or not use VA mental health services available to them. The survey results will lead to improvements in the quality of service delivery by helping to improve Veterans' access to VA mental health services. Participation in this survey is voluntary and failure to respond will have no impact on benefits to which you may be entitled.

**ATTACHMENT 10**  
**Data Analyses**

Information will be collected from OEF/OIF/OND veterans using a survey as well as DOD and VA administrative data. The survey will include all OEF/OIF/OND era veterans which will include both individuals who have used VA mental health services and those who have not. The sample of veterans will be representative of the population of OEF/OIF/OND veterans, and it will be large enough to ensure the results will have adequate statistical precision for subgroups of interest. The survey will collect information from OEF/OIF/OND VA-eligible veterans to assess and compare between groups the following:

- Potential mental health needs,
- Perceived mental health needs,
- Future expectations for using VA mental health services,
- Pathways to mental health care, and
- Barriers to accessing, receiving, and continuing mental health care.

The administrative data will include demographic and military service information on all OEF/OIF/OND era veterans. In addition, for those that use the VA, the administrative data will include information on their utilization of services. These data will support both sampling for the veteran survey as well as provide detailed information on service use patterns of VA users overall and those who use mental health services.

Overall, a variety of analyses will be conducted using different subgroups of veterans and will make comparisons between these subgroups. Descriptive analyses will be univariate and include describing the sample in terms of their background characteristics and summarizing the responses to the survey questions. As Table 1 shows, we plan to use three categories of background characteristics to describe the sample: socio-demographic variables, military service history, and mental health status. In addition to examining basic statistics for each of these background characteristics, we will also provide basic counts of the survey responses to key questions regarding use of services, access, experiences with the VA, reasons for not using the VA, barriers/facilitators (including alternative pathways), and use expectations.

**Table 1. Descriptive analysis variables**

Background characteristics	Variables
Socio-demographics	Gender, race, ethnicity, education, marital status, age band, economic status, health insurance status, location (rural/urban flag based on zip code)
Military service	Service branch, component, rank, combat exposure, number of

	deployments, cumulative length of deployments, and service-connected disability status
Mental health status	Current mental health conditions based on screeners, past diagnoses (administrative data), time period of past diagnoses, months in treatment

We will also use cross-tabulations to explore the basic relationships among questionnaire responses and between the question responses and veterans’ background characteristics. For all cross-tabulations between groups, we will use t-tests or an appropriate variant (for continuous variables) and chi-square tests (for categorical variables) that take the sample design and weighting into account. Additionally, we will use factor analysis and regression modeling to explore how barriers and facilitators correlate with each other, to determine the factors that underlie mental health needs and use, and to forecast future mental health needs.

More specifically, analysis of the survey data will focus on answering the research questions as shown in Table 2. Additional ad hoc analyses will be generated as part of a collaborative process between IOM and Westat to assure that study reports meet required needs.

**Table 2. Analyses and subgroups used for answering the research questions**

Groups	Analyses and key variables
<b>What is the general mental health profile of the veteran population?</b>	
All groups	<ul style="list-style-type: none"> <li>• Descriptive analyses (counts, frequencies, etc.) of the sample by: <ul style="list-style-type: none"> <li>○ Background characteristics: <ul style="list-style-type: none"> <li>▪ Socio-demographics, military service, and mental health status</li> <li>▪ For users of VA mental health services, differences between screener results and diagnoses on administrative records</li> </ul> </li> <li>○ Questionnaire responses <ul style="list-style-type: none"> <li>▪ Use of services, access, experiences with the VA , barriers/facilitators, reasons for not using the VA, use expectations</li> </ul> </li> </ul> </li> </ul>
<b>What is the potential need for mental health services? What is the perceived need?</b>	
Groups 1a, 1b, 2a Groups 1, 2 (denominator)	<ul style="list-style-type: none"> <li>• Descriptive analyses of those who screen positive for a current mental health need or perceived need by: <ul style="list-style-type: none"> <li>○ Same breakouts as above</li> <li>○ Compare profile of those with current need to those with no current need</li> </ul> </li> <li>• Cross-tabulations of percentage with a current need by: <ul style="list-style-type: none"> <li>○ Socio-demographics, military service, current mental health condition group, perceived need, VA user group, past diagnoses, and barriers/facilitators</li> </ul> </li> <li>• Logit model of the probability of having a current mental health need</li> </ul>
<b>What are future expectations for using VA mental health services?</b>	
All groups	<ul style="list-style-type: none"> <li>• Descriptive analyses: of those who expect to seek care at all and at the VA; and current VA mental health users</li> <li>• Cross tabulations of percentage who intend to use services by:</li> </ul>

	<ul style="list-style-type: none"> <li>○ User group, use of other VA services, socio-demographics, military service, current mental health status, access issues, and barriers</li> <li>● Multinomial logit model of the probability of using VA mental health services</li> </ul>
Group 2	<ul style="list-style-type: none"> <li>● Descriptive analyses of VA mental health users by: <ul style="list-style-type: none"> <li>○ Average number of encounters and inpatient days; proportion who terminated treatment early and reasons why</li> </ul> </li> <li>● Cross-tabulations of the above use measures by: <ul style="list-style-type: none"> <li>○ Current versus past user, use of other VA services (non-mental health), socio-demographics, military service, current mental health status, access issues and barriers</li> </ul> </li> </ul>
<b>What are the barriers to care? Pathways to obtaining services? Access issues? Satisfaction levels?</b>	
Groups 1a, 1b, 2a, 2b	<ul style="list-style-type: none"> <li>● Descriptive analyses of: <ul style="list-style-type: none"> <li>○ Barriers/facilitators (including pathways), access issues, and satisfaction</li> </ul> </li> <li>● Cross tabulations of barriers/facilitators (including pathways, access issues and satisfaction by: <ul style="list-style-type: none"> <li>○ User group, use of other VA services (non-mental health), socio-demographics, military service, mental health status</li> <li>○ Factor analysis of barriers/facilitators</li> </ul> </li> </ul>
Groups 1a, 1b	<ul style="list-style-type: none"> <li>● Descriptive analyses of: <ul style="list-style-type: none"> <li>○ Reasons for not using the VA</li> </ul> </li> <li>● Cross-tabulations of reasons for not using the VA by: <ul style="list-style-type: none"> <li>○ User group, use of other VA services (non-mental health), socio-demographics, military service, mental health status</li> </ul> </li> </ul>