**The Health Related Behaviors Survey (HRBS)**

The HRBS is the U.S. Department of Defense (DoD)’s flagship survey for understanding the health, health-related behaviors, and well-being of active-duty service members.

- It allows leadership to better understand the readiness of the force.
- It is used to facilitate benchmarking in combination with Healthy People benchmarks (designed for the general U.S. population).
- Results are weighted to represent the 2015 active-duty force by service branch, pay grade, and gender.

### Comparison to U.S. General Population

The 2015 HRBS shows that active-duty soldiers generally have better health and health-related behaviors than the U.S. adult population. Soldiers also exceed Healthy People 2020 goals for weekly physical activity. Nevertheless, there are several areas of concern. Soldiers are more likely than others in the U.S. adult population to engage in binge drinking. Less than one-third get at least seven hours of sleep each night, well short of the Healthy People 2020 goal. The proportion of soldiers who are of normal weight is also below the Healthy People 2020 goals, but measurement method may be an issue for weight comparisons.

Development of military-appropriate population benchmarks, especially by service branch, may facilitate goal-setting, command visibility, and incremental improvements in health-related readiness.

### Limitations

A low overall response rate (4.7% for the Army and 8.6% across all services) suggests that the results should be interpreted with caution and in conjunction with other existing data. New ways to improve survey response rates are needed, including focusing survey content, shifting to a confidential rather than anonymous survey, and addressing information technology issues related to use of a non-DoD email address.

The above comparisons to the general adult population do not control for differences in demographic composition.

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**Physical Health and Functional Limitations**

- **46.0%** reported diagnosis of at least one of nine chronic medical conditions (e.g., high blood pressure) in their lifetime
- **42.5%** reported that pain bothered them a lot over the past 30 days
- **48.9%** reported a functional impairment in at least one domain—work or school, social life, or family life

**Sexual Behavior and Health**

- **16.6%** had more than one sex partner in the past year
- **39.2%** had sex with a new partner without a condom in the past year
- **1.9%** reported contracting a sexually transmitted infection in the past year
- **18.3%** were at high risk for human immunodeficiency virus (HIV)
- **22.0%** of those not expecting or trying to conceive a child had vaginal sex without using birth control in the past year
- **1.8%** reported having or causing an unintended pregnancy in the past year

**Substance Use**

- **28.2%** binge drank in the past month (5+ drinks for men or 4+ for women in one sitting)
- **4.1%** were heavy drinkers (5+ drinks 5 or more times in the past month)
- **69.2%** viewed military culture as supportive of drinking
- **15.0%** were current cigarette smokers
- **12.7%** were current smokeless tobacco users
- **11.2%** reported using e-cigarettes in the past month
- **0.9%** reported illicit drug use (mostly marijuana or synthetic cannabis) in the past year
- **5.3%** used prescription drugs without a valid prescription (i.e., prescription drug misuse) in the past year
- **1.2%** used more of a drug than prescribed (i.e., prescription drug overuse) in the past year

**Mental and Emotional Health**

- **11.0%** met survey criteria for probable depression
- **15.9%** met survey criteria for probable generalized anxiety disorder
- **10.5%** met survey criteria for probable posttraumatic stress disorder
- **7.0%** thought about attempting suicide in the past year
- **1.3%** reported a suicide attempt in the past year
- **34.8%** reported a self-perceived need for mental health services in the past year
- **20.6%** reported that someone else told them they needed mental health treatment in the past year
- **32.1%** reported mental health service use in the past year
- **37.0%** said that seeking military mental health treatment damages one’s military career

**Weight and sleep issues**

- **23.2%** were moderately or severely bothered by sleep-related lack of energy
- **10.6%** took sleep medications daily or almost daily
- **69.4%** were overweight or obese according to body mass index
- **59.4%** reported less sleep than needed

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**Deployment Experiences and Health**

- **5.5%** identified as lesbian, gay, bisexual, or transgender (LGBT)
- **62.7%** reported at least one prior combat or noncombat deployment

**LGBT personnel were more likely than their peers to report moderate and severe depression, self-injury, suicide ideation and attempts, risky sexual behavior, binge drinking, and current cigarette use.**

Adapted from 2015 Department of Defense Health Related Behaviors Survey (HRBS) of Active-Duty Service Members: Final Report, by Sarah O. Meadows, Charles C. Engel, Rebecca L. Collins, Robin Beckman, Matthew Colia, Jennifer Freeze-Donovan, Molly Doyle, Ayes M. Khan, Lisa Sorens Pedullis, Bavye Ramchand, and Keija M. Williams, Santa Monica, Calif.: RAND Corporation, BB-1659-005-000, 2016. The RAND Corporation is a research organization that develops solutions to public-policy challenges to help make communities throughout the world safer and more secure, healthier and more prosperous. RAND is nonprofit, nonpartisan, and committed to the public interest. For the complete report detailing these and other findings, visit www.rand.org/t/RR1695.

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