



# **Providing a View From the Front Line: How Deployment Effects Reservists**

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# Who are the Reserves?

- **1.1 million men and women** from the Army, Air Force, Navy and Coast Guard Reserve, the Army National Guard and Army Air Guard
- **Gender:** 888,892 Males; 192,453 Females
- **Race:**
  - **White:** 817,843
  - **Black:** 152,802
  - **AI/NA:** 0,979
  - **A:** 29,382
  - **NH/PI:** 5457
  - **UNK:** 12,918
  - **O:** 51,984
- **Ethnicity:**
  - **A** 33,176
  - **H** 102,659
  - **NA** 11,160
  - **O** 499,876
  - **NONE** 410,153
  - **UNK** 24,341
- **Average age:** 38 years old

Data Source: Defense Manpower Data Center



# How Long Have They Been Deployed?

- **Percentage Deployed<sup>1</sup>**

– <b>Army National Guard:</b>	<b>46%</b>
– <b>Army Reserve:</b>	<b>55%</b>
– <b>Navy Reserve:</b>	<b>25%</b>
– <b>Marine Corps Reserve:</b>	<b>39%</b>
– <b>Air National Guard:</b>	<b>13%</b>
– <b>Air Force Reserve:</b>	<b>22%</b>
– <b>Coast Guard Reserve:</b>	<b>0.2%</b>

- **Average length of deployment since 2001\*<sup>2</sup>**

– <b>Army NG and Reserve:</b>	<b>414 days or 14 months</b>
– <b>Navy Reserve,</b>	<b>324 days or 11 months</b>
– <b>Marine Corps Reserve:</b>	<b>356 days or 12 months</b>
– <b>The Air National Guard &amp; Reserve:</b>	<b>248 days or 8 months</b>

\*Note: since January 2007 Deployments have been limited to 12 months

1. Reserve Components Common Personnel Data System
2. Defense Manpower Data Center



# Who Are The Families?

- **Reservists**

- **Married: ~50%<sup>1</sup>**
- **Dependents: 1,618,041<sup>2</sup>**

- **Location**

- **Most live in communities far from military installations**
- **Communities have little understanding of, and experience, with the military**

1. Defense Enrollment Eligibility Reporting System /Reserve Components Common Personnel Data System  
2. Defense Manpower Data Center



# Effects of Chronic Deployment

- **Multiple deployments and returns can amplify family problems and stress strained relationships and financial resources.**
- **Even a single deployment can create problems with civilian employers. Deployment often leads to an increase in substance dependence and abuse.<sup>1</sup>**
- **No direct link between deployment and suicide has been found.<sup>2</sup>**
  1. Jacobson, I.G., et al (2008). Alcohol use and alcohol-related problems before and after military combat deployment. *JAMA*, 300(6), 663-675.
  2. Kang, & Bullman (2008). Risk of suicide among US veterans after returning from the Iraq or Afghanistan war zones. *JAMA*, 300 (6), 652-653.



# Substance Abuse in the Reserve Component (RC)

- **Tobacco:**
  - **General smoking rates: 8-9 % across all Reserve Components**
  - **Higher rates of heavy smoking in ARNG, USMCR and USAR<sup>1</sup>**
- **Alcohol:**
  - **Lower daily alcohol consumption rates in USAFR, ANG and USNR than ARNG, USAR and USMCR<sup>1</sup>**
- **Illegal Substances:**
  - **Highest Rates in ARNG**
  - **Lowest in USNR**
  - **All illegal drug users are outprocessed from the RC<sup>1</sup>**



# Stress and the RC

- **Source:**
  - **Family**
  - **Civilian employment**
  - **Reserve employment**
- **Result:**
  - **36% reported military work demands interfere with family life;**
  - **Highest level of family-work conflict: USMCR**
  - **Lowest level of family-work conflict: ANG<sup>1</sup>**
  - **History of SH/SA leads to poorer physical and mental**
  - **Health: depression, PTSD & somatic symptoms<sup>2</sup>**

<sup>1</sup>DoD Survey of Health Related Behaviors Among Guard and Reserve Force, 2007 by RTI International

<sup>2</sup> Street, et al., (2008). Sexual harassment and assault experienced by reservists during military service: Prevalence and health correlates, *Jnl Rehab Rsch & Dev*, 45 (3), 409-420.



# Women and Stress in the RC

- DoD Survey Indications
  - Women reported significantly **more stress than men**<sup>1</sup>
  - 25% reported a **'great deal' of stress** related to being a female in a male-dominated, combat-oriented environment<sup>1</sup>
  - More than 50% of females and 37% of males reported some type of physical or sexual harassment or abuse<sup>1, 2</sup>

<sup>1</sup>DoD Survey of Health Related Behaviors Among Guard and Reserve Force, 2007 by RTI International

<sup>2</sup> Street, et al., (2008). Sexual harassment and assault experienced by reservists during Military service: Prevalence and health correlates, *Jnl Rehab Rsch & Dev*, 45 (3), 409-420.



# Women and Stress in the RC

- Most studies on women are descriptive & observational, clustered in areas related to PTSD:
  - Stress of military life
  - Health & performance
  - Health services research
  - Psychiatric conditions<sup>4</sup>
- There is much less research on evaluation of treatment or prevention programs<sup>4</sup>

<sup>4</sup> Goldzweig, et al. (2006). The state of women veterans' health research: Results of a systematic Literature review. *J Gen Intern Med* 21, S82-92.



# Children of Deployed RC Members

- **Little research on children of deployed RC**
- **400,000 DOD adolescent family members**
- **Number of school-age children of RC-deployed personnel unknown**
- **Evidence indicates the Gulf War (1990-1991) families were still experiencing difficulties one year after reunion<sup>2</sup>**

<sup>1</sup> DOD, (2007). *2005 Demographics Report*. Arlington, Va: Office of the Deputy Under Secretary of Defense (Military Community and Family Policy)

<sup>2</sup> Peebles-Kleiger & Kleiger (1994). Re-integration stress for Desert Storm families: Wartime deployments and family trauma. *Jnl of Traumatic Stress*, 7, 173-194.



# What We Don't Know

- **Effective ways to reduce tobacco and alcohol use in RC**
- **Effective ways to teach gender-appropriate stress-reduction behaviors in RC**
- **If there are varying responses to deployment by gender and component**
- **Effective ways to help families and children cope with deployment**
- **Ways to provide effective services to a geographically-dispersed force**



# Conclusion

## Reserve Component vs. Active Duty

- The Reserves are now an operational force comprised of 82% men and 18% women.<sup>1</sup>
- The Reserves are an ethnically diverse force.
- RC Members are unique in that they juggle a civilian career in addition to military career and family-which *may* mean greater stress prior to and after deployment.
- RC Members may have unique needs yet to be identified within the paradigm of being an operational force.



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