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Prehospital Emergency Care > Volume 17, 2013 - Issue 3

3,782 69

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**Original Articles** 

## An Assessment of Depression, Anxiety, and Stress Among Nationally Certified EMS Professionals

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Pages 330-338 | Received 08 Jun 2012, Accepted 06 Dec 2013, Published online: 15 Feb 2013

**66** Cite this article

https://doi.org/10.3109/10903127.2012.761307

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anxiety, and stress and to predict the association of demographic and work-life characteristics with each outcome. Results. A total of 64,032 individuals were eligible to renew their national certification and 34,340 (53.6%) individuals returned a questionnaire. The DASS-21 classified 1,589 (6.8%, 95% confidence interval [CI] = 6.4%-7.1%) EMS professionals as depressed, 1,406 (6.0%, 95% CI = 5.7%-6.3%) as anxious, and 1,382 (5.9%, 95% CI = 5.6%-6.2%) as stressed. Multivariable logistic regression estimates showed that paramedics (odds ratio [OR] = 1.31,95% CI = 1.22-1.39), those working in county or municipal services (OR = 1.36, 95% CI = 1.16-1.60) or private services (OR = 1.32, 95% CI = 1.14-1.52), and those with  $\geq$ 16 years of EMS experience (OR = 1.28, 95% CI = 1.01-1.62) had an increased odds of depression. A stepwise increase was found when estimating the effects of self-reported general health on the odds of anxiety (very good, OR = 1.84, 95% CI = 1.53-2.22; good, OR = 1.843.88, 95% CI = 3.32-4.67; fair/poor, OR = 10.81, 95% CI = 8.14-14.34). Likewise, paramedics (OR = 1.32, 95% CI = 1.23-1.42), those working in a private EMS system (OR = 1.35, 95% CI = 1.16-1.56), and those with  $\geq 16$  years of EMS experience (OR = 1.35, 95% CI = 1.16-1.56)1.67, 95% CI = 1.28-2.18) had an increased odds of stress. Conclusions. This study was able to estimate the prevalence of depression, anxiety, and stress among a large cohort of nationally certified EMS professionals and identified statistically significant demographic and work-life characteristics that predicted depression, anxiety, and stress. Future research should attempt to follow FMS professionals prospectively to determin xposure and the deve **Q** Key wo





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