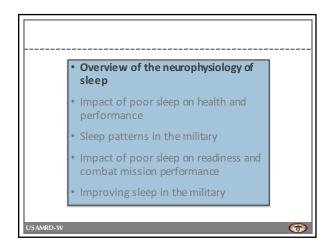
United States Army Medical Research Directorate- West (USAMRD-W) Sleep and Performance in Military Settings MAJ Matthew LoPresti Deputy Director, USAMRD-W 20 May 2016 WRAIR WALET FROED Army

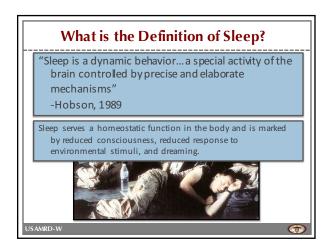
Disclaimer

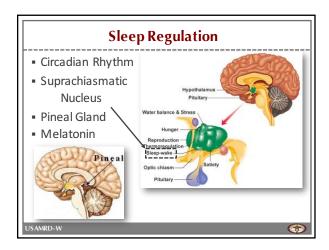
The opinions, interpretations, conclusions, and recommendations are those of the presenter and are not necessarily endorsed by the U.S. Army and/or the U.S. Department of Defense

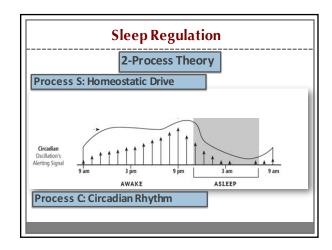
JSAMRD-V

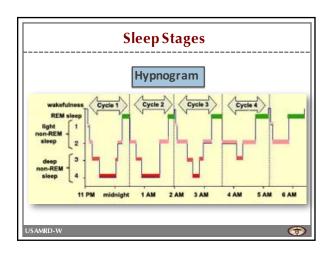
Outline Overview of the neurophysiology of sleep Impact of poor sleep on health and performance Sleep patterns in the military Impact of poor sleep on readiness and combat mission performance Improving sleep in the military USAMRD-W

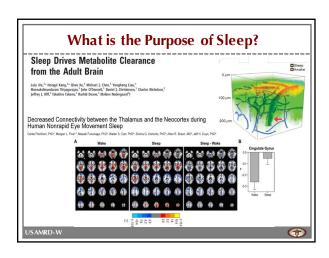


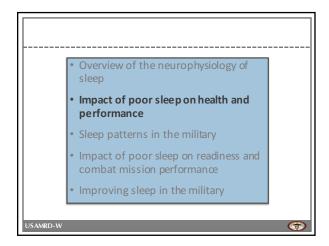




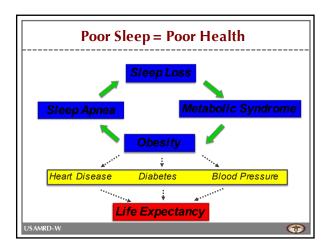


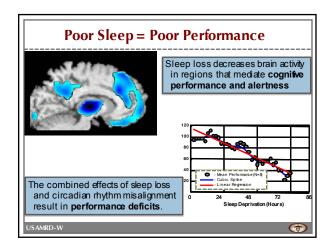






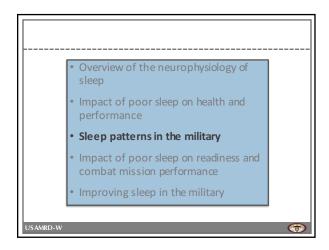
Poor Sleep = Poor Health Lack of sufficient sleep has been linked to.... Impaired immune function (Dinges et al., 1995) Reduced resilience to stress-related disorders (Breslau et al., 1996, Wright et al., 2011) Cardiovascular disease (Hoevenaar-Blom et al., 2011) Type II diabetes (Cappuccio et al., 2010) Metabolic syndrome/weight gain (Van Cauter et al., 2008) Mortality (Ferrie et al., 2007) Alzheimer's disease (Hahn et al., 2013)

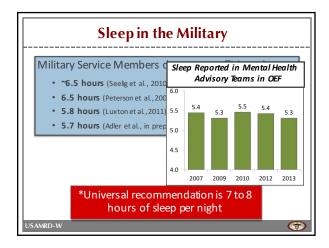


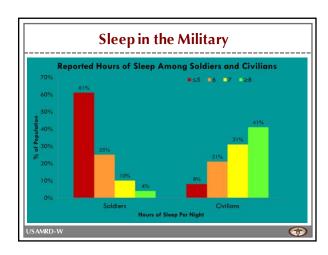


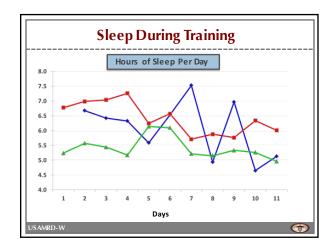


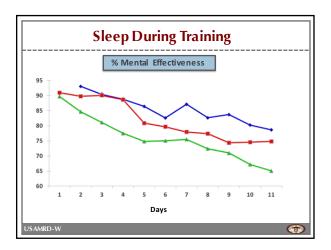


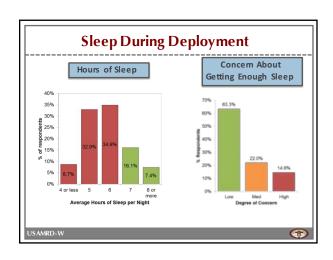


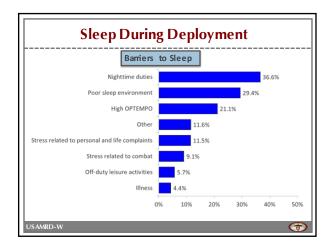


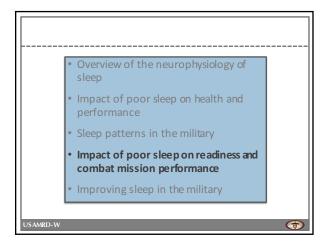


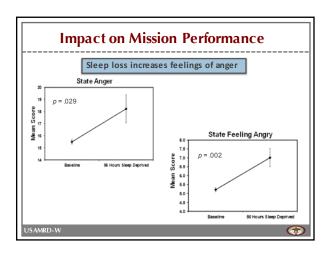


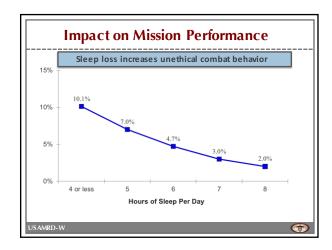


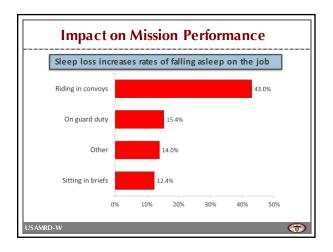


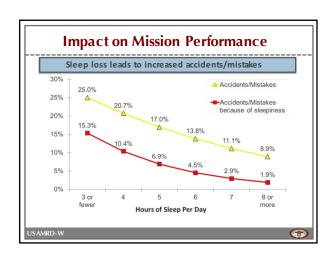


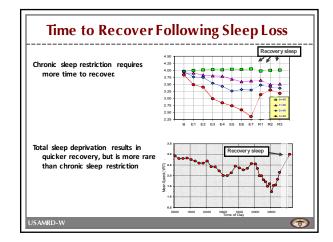












Sleep loss results in deficits that impact effectiveness and safety in training and operational environments

