

# Invisible Wounds of War

Psychological and Cognitive Injuries,  
Their Consequences, and Services to Assist Recovery

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Sponsored by the California Community Foundation



Center for Military Health Policy Research

A JOINT ENDEAVOR OF RAND HEALTH AND THE  
RAND NATIONAL SECURITY RESEARCH DIVISION

This work was funded by a grant from the Iraq Afghanistan Deployment Impact Fund, which is administered by the California Community Foundation. The study was conducted jointly under the auspices of the Center for Military Health Policy Research, a RAND Health center, and the Forces and Resources Policy Center of the National Security Research Division (NSRD).

**Library of Congress Cataloging-in-Publication Data**

Tanielian, Terri L.

Invisible wounds of war : psychological and cognitive injuries, their consequences, and services to assist recovery / Terri Tanielian, Lisa H. Jaycox.

p. ; cm.

Includes bibliographical references.

ISBN 978-0-8330-4454-9 (pbk. : alk. paper)

1. Post-traumatic stress disorder—United States. 2. Brain—Wounds and injuries—United States. 3. Depression—United States. 4. Veterans—Mental health—United States. 5. Iraq war, 2003—Psychological aspects. 6. Afghan war, 2001—Psychological aspects. 7. War on terrorism, 2001—Psychological aspects. 8. War—Psychological aspects. I. Jaycox, Lisa. II. Rand Corporation. III. Title.

[DNLM: 1. Combat Disorders. 2. Brain Injuries. 3. Depressive Disorder.

4. Iraq War, 2003— . 5. Stress Disorders, Post-Traumatic. 6. Veterans—psychology. WM 184 T164i 2008]

RC552.P67T34 2008

362.196'85212—dc22

2008008840

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*Cover design by Eileen Delson La Russo  
Cover photo: U.S. Army photo by SPC Eric Jungels*

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Published 2008 by the RAND Corporation

1776 Main Street, P.O. Box 2138, Santa Monica, CA 90407-2138

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## Abbreviations

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ADL	activities for daily living
AF	Air Force
AHLTA	Armed Forces Health Longitudinal Technology Application
AMEDD	Army Medical Department
ASA	acetylsalicylic acid (or aspirin)
ASD/HA	Assistant Secretary of Defense for Health Affairs
ASER	<i>Army Suicide Event Report</i>
ASR	Acute Stress Reaction
AT	assertiveness training
BA	behavioral activation
BCT	Brigade Combat Team
BDZ	benzodiazepine
BI	battle injury
BIO	biofeedback
BPD	borderline personality disorder
BTBIS	Brief Traumatic Brain Injury Screener
BUMED	Bureau of Medicine and Surgery (Navy)
CAPS	clinician-administered PTSD Scale
CAPS-D	CAPS Criterion D (hyperarousal)
CBHCO	Community Based Health Care Organization
CBO	Congressional Budget Office
CBT	cognitive-behavioral therapy

CCF	California Community Foundation
CDC	Centers for Disease Control and Prevention
CESD	Center for Epidemiologic Studies Depression Inventory
CEU	continuing education unit
CLFS	civilian labor force status
CGI-S	Clinical Global Impression Scale-Severity
CHD	coronary heart disease
CI	confidence interval
CISD	critical-incident stress debriefing
CISM	critical-incident stress management
CME	continuing medical education
CNA	Center for Naval Analyses
COI	cost of illness
COSR	Combat or [Ongoing Military] Operational Stress Reaction
CPI	Consumer Price Index
CPP	cerebral perfusion pressure
CPRS	computerized patient record system
CPS	Current Population Survey
CPT	cognitive processing therapy
CT	computerized tomography; cognitive therapy
DBT	dialectical behavior therapy
DEERS	Defense Eligibility Enrollment System
DHCC	Deployment Health Clinical Center–DoD
DHHS	Department of Health and Human Services
DMDC	Defense Manpower Data Center
DMRR	<i>Defense Manpower Requirements Report</i>
DNBI	Disease or Non-Battle Injury
DoD	Department of Defense
DOW	died of wounds
DRG	Diagnosis-Related Group

DSHRB	Defense Survey of Health Related Behaviors
DSM-IV	<i>Diagnostic and Statistical Manual—Version 4</i>
DVBIC	Defense and Veterans Brain Injury Center
DVT	deep vein thrombosis
EAP	employee assistance professional
ECT	electroconvulsive therapy
EEG	electroencephalogram
EMDR	eye-movement desensitization and reprocessing
EMR	electronic medical record
EX	exposure therapy
FFS	fee for service
FHP&R	Force Health Protection and Readiness
FI	functional impairment
FY	fiscal year
GAO	Government Accountability Office
GCS	Glasgow Coma Scale
GT	group therapy
GWOT	Global War on Terror
HAM-A	Hamilton Rating Scale for Anxiety
HART	Helping Airmen Recover Together
HCUP	Healthcare Cost and Utilization Study
HEDIS	Healthcare Effectiveness Data and Information Set
HIV	human immunodeficiency virus
HMO	health maintenance organization
HPAE	Health Program Analysis and Evaluation
IADIF	Iraq Afghanistan Deployment Impact Fund
ICD-9-CM	<i>International Classification of Diseases, Ninth Edition, Clinical Modification</i>
ICIC	Improving Chronic Illness Care
ICICE	Improving Chronic Illness Care Evaluation
ICP	intracranial pressure

ICU	intensive care unit
IED	improvised explosive device
IMR	Individual Medical Readiness
IOM	Institute of Medicine
IPT	interpersonal therapy
IRB	Institutional Review Board
IRG	Independent Review Group
IRT	image rehearsal therapy
JCAHO	Joint Commission for the Accreditation of Healthcare Organizations
KIA	killed in action
LL	lower limit
LOC	loss of consciousness
MA	master of arts
MAOI	monoamine oxidase inhibitor
MCSC	Managed Care Support Contractor
MDD	major depressive disorder
MFT	marital and family therapy
MH	mental health
MHAT	Mental Health Advisory Team
MHC	mental health condition
MHS	Military Health System
MI	myocardial infarction
MRI	magnetic resonance imaging
MSMR	<i>Medical Surveillance Monthly Report</i>
MTF	Military Treatment Facility
MVAMC	Minneapolis VA Medical Center
NACBT	National Association of Cognitive-Behavioral Therapists
NAS	Naval Air Station
NCA	National Cemetery Association
NCO	noncommissioned officer

NCPTSD	National Center for Post Traumatic Stress Disorder
NCQA	National Committee for Quality Assurance
NCS	National Compensation Survey
NCS-R	National Comorbidity Survey Replication
NDAA	National Defense Authorization Act
NESARC	National Epidemiologic Survey of Alcohol and Related Conditions
NIH	National Institutes of Health
NIMH	National Institute of Mental Health
NIS	National Inpatient Sample
NJ-WRIIC	New Jersey War-Related Injury and Illness Center
NNMC	National Naval Medical Center (in Bethesda, MD)
NSAID	nonsteroidal anti-inflammatory drug
NSRD	National Security Research Division
NSVG	National Survey of the Vietnam Generation
NVVRS	National Vietnam Veterans Readjustment Study
OEF	Operation Enduring Freedom (Afghanistan)
OIF	Operation Iraqi Freedom (Iraq)
OSCAR	Operational Stress Control and Readiness
OTSG	Office of the Surgeon General
OUSDP	Office of the Under Secretary of Defense for Personnel and Readiness
PANSS-P	Positive and Negative Syndrome Scale–Positive Subscale
PC-PTSD	primary care PTSD screen
PCCWW	President’s Commission on Care for America’s Returning Wounded Warriors
PCL	PTSD Checklist
PCP	primary care provider
PD	psychological debriefing
PDHA	Post-Deployment Health Assessment
PDHRA	Post-Deployment Health Re-Assessment

PE	prolonged exposure
PHQ-9	Patient Health Questionnaire–9 items
PL	placebo
PM&R	Physical Medicine and Rehabilitation
PPO	preferred provider organization
PR	psychosocial rehabilitation
PSS	PTSD Symptom Scale
PST	problem-solving therapy
PT	psychodynamic therapy
PTA	post-traumatic amnesia
PTS	post-traumatic seizure
PTSD	post-traumatic stress disorder
QI	quality improvement
Q-LES-Q	Quality of Life Enjoyment and Satisfaction Questionnaire
QOL	quality of life
QUERI	Quality Enhancement Research Initiative
RCT	randomized clinical trial
RDD	random digit dialing
RESPECT	Re-Engineering Systems for Primary Care Treatment of Depression Project
RR	risk ratio
RT	relaxation training
RTD	Return to Duty
SADR	Standard Ambulatory Data Record
SCID	structured clinical interview–diagnostic
SD	systematic desensitization
SDS	Sheehan Disability Scale
SES	socioeconomic status
SIT	stress inoculation training
SNRI	serotonin-noradrenaline reuptake inhibitors



SOFA	Support Our Family in Arms
SOFAR	Strategic Outreach to Families of All Reservists
SPTSS	Screen for Posttraumatic Stress Symptoms
SSRI	selective serotonin reuptake inhibitor
TBI	traumatic brain injury
TCA	tricyclic antidepressant
TF	Task Force
TMA	TRICARE Management Activity
TMS	Transcranial Magnetic Stimulation
TOP-8	Treatment Outcome for PTSD—8 items
TRICARE	Department of Defense's Managed Care Program
UK	United Kingdom
UL	upper limit
USAMRMC	U.S. Army Medical Research and Materiel Command
USDPR	Under Secretary of Defense for Personnel and Readiness
USUHS	Uniformed Services University for the Health Sciences
VA	Department of Veterans Affairs
VBA	Veterans Benefits Administration
VHA	Veterans Health Administration
VISN	Veterans Integrated Service Network
WIA	wounded in action
WRAMC	Walter Reed Army Medical Center
YOS	years of service