



OFFICE OF THE UNDER SECRETARY OF DEFENSE
4000 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-4000

PERSONNEL AND
READINESS

The Honorable Jon Tester
Chairman
Subcommittee on Defense
Committee on Appropriations
United States Senate
Washington, DC 20510

JUN 12 2024

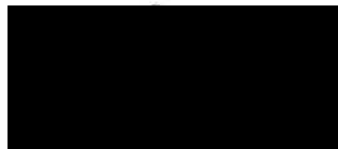
Dear Mr. Chairman:

The Department's response to the Joint Explanatory Statement, pages 147-148, accompanying H.R. 2471, the Consolidated Appropriations Act, 2022 (Public Law 117-103), "Traumatic Brain Injury/Psychological Health," is enclosed.

This report covers Fiscal Year (FY) 2022 congressional appropriations for traumatic brain injury (TBI)/psychological health (PH) (\$175 million), and summarizes the 59 projects, representing 65 awards, selected for FY 2022 funding. Through innovative and impactful research, the FY 2022 TBI/PH funded projects aim to enhance understanding, accelerate solutions, and complement ongoing Department of Defense efforts to optimize PH and TBI care in the areas of prevention, detection, diagnosis, treatment, and rehabilitation.

Thank you for your continued strong support for the health and well-being of our Service members, veterans, and their families. I am sending similar letters to the other congressional defense committees.

Sincerely,



Ashish S. Vazirani
Performing the Duties of the Under Secretary of
Defense for Personnel and Readiness

Enclosure:
As stated

cc:
The Honorable Susan Collins
Ranking Member





OFFICE OF THE UNDER SECRETARY OF DEFENSE
4000 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-4000

PERSONNEL AND
READINESS

The Honorable Ken Calvert
Chairman
Subcommittee on Defense
Committee on Appropriations
U.S. House of Representatives
Washington, DC 20515

JUN 12 2024

Dear Mr. Chairman:

The Department's response to the Joint Explanatory Statement, pages 147-148, accompanying H.R. 2471, the Consolidated Appropriations Act, 2022 (Public Law 117-103), "Traumatic Brain Injury/Psychological Health," is enclosed.

This report covers Fiscal Year (FY) 2022 congressional appropriations for traumatic brain injury (TBI)/psychological health (PH) (\$175 million), and summarizes the 59 projects, representing 65 awards, selected for FY 2022 funding. Through innovative and impactful research, the FY 2022 TBI/PH funded projects aim to enhance understanding, accelerate solutions, and complement ongoing Department of Defense efforts to optimize PH and TBI care in the areas of prevention, detection, diagnosis, treatment, and rehabilitation.

Thank you for your continued strong support for the health and well-being of our Service members, veterans, and their families. I am sending similar letters to the other congressional defense committees.

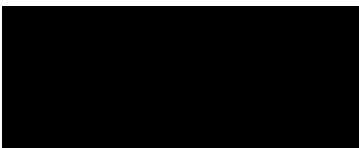
Sincerely,



Ashish S. Vazirani
Performing the Duties of the Under Secretary of
Defense for Personnel and Readiness

Enclosure:
As stated

cc:
The Honorable Betty McCollum
Ranking Member





OFFICE OF THE UNDER SECRETARY OF DEFENSE
4000 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-4000

PERSONNEL AND
READINESS

The Honorable Jack Reed
Chairman
Committee on Armed Services
United States Senate
Washington, DC 20510

JUN 12 2024

Dear Mr. Chairman:

The Department's response to the Joint Explanatory Statement, pages 147-148, accompanying H.R. 2471, the Consolidated Appropriations Act, 2022 (Public Law 117-103), "Traumatic Brain Injury/Psychological Health," is enclosed.

This report covers Fiscal Year (FY) 2022 congressional appropriations for traumatic brain injury (TBI)/psychological health (PH) (\$175 million), and summarizes the 59 projects, representing 65 awards, selected for FY 2022 funding. Through innovative and impactful research, the FY 2022 TBI/PH funded projects aim to enhance understanding, accelerate solutions, and complement ongoing Department of Defense efforts to optimize PH and TBI care in the areas of prevention, detection, diagnosis, treatment, and rehabilitation.

Thank you for your continued strong support for the health and well-being of our Service members, veterans, and their families. I am sending similar letters to the other congressional defense committees.

Sincerely,



Ashish S. Vazirani
Performing the Duties of the Under Secretary of
Defense for Personnel and Readiness

Enclosure:
As stated

cc:
The Honorable Roger F. Wicker
Ranking Member





OFFICE OF THE UNDER SECRETARY OF DEFENSE

4000 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-4000

PERSONNEL AND
READINESS

The Honorable Mike D. Rogers
Chairman
Committee on Armed Services
U.S. House of Representatives
Washington, DC 20515

JUN 12 2024

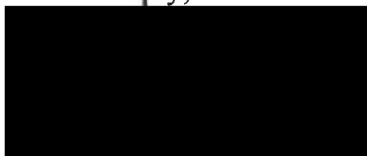
Dear Mr. Chairman:

The Department's response to the Joint Explanatory Statement, pages 147-148, accompanying H.R. 2471, the Consolidated Appropriations Act, 2022 (Public Law 117-103), "Traumatic Brain Injury/Psychological Health," is enclosed.

This report covers Fiscal Year (FY) 2022 congressional appropriations for traumatic brain injury (TBI)/psychological health (PH) (\$175 million), and summarizes the 59 projects, representing 65 awards, selected for FY 2022 funding. Through innovative and impactful research, the FY 2022 TBI/PH funded projects aim to enhance understanding, accelerate solutions, and complement ongoing Department of Defense efforts to optimize PH and TBI care in the areas of prevention, detection, diagnosis, treatment, and rehabilitation.

Thank you for your continued strong support for the health and well-being of our Service members, veterans, and their families. I am sending similar letters to the other congressional defense committees.

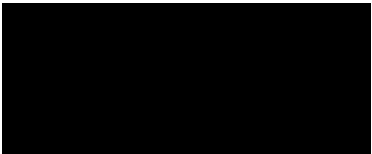
Sincerely,



Ashish S. Vazirani
Performing the Duties of the Under Secretary of
Defense for Personnel and Readiness

cc:

The Honorable Adam Smith
Ranking Member



Report to the Congressional Defense Committees



Traumatic Brain Injury/Psychological Health

June 2024

The estimated cost of this report for the Department of Defense (DoD) is approximately \$2,800.00 in Fiscal Years 2023–2024. This includes \$1,700.00 in expenses and \$1,100.00 in DoD labor.

Generated on October 30, 2023

RefID: 0-9B796FC

BACKGROUND AND PURPOSE

This report is in response to the Joint Explanatory Statement 117–35, pages 147-148, accompanying H.R. 2471, the Consolidated Appropriations Act, 2022 (Public Law 117–103), “Traumatic Brain Injury/Psychological Health,” which requests that the Assistant Secretary of Defense for Health Affairs submit a report to the congressional defense committees on expenditure and obligation data of additional funding appropriated by Congress for traumatic brain injury (TBI)/psychological health (PI).

Consistent with direction from the Assistant Secretary of Defense for Health Affairs, the Defense Health Agency (DHA) manages the Defense Health Program (DHP) Research, Development, Test, and Evaluation (RDT&E) appropriation. DHA’s Congressionally Directed Medical Research Programs (CDMRP) provides execution management for the DHP RDT&E TBI/PH Congressional Special Interest (CSI) funds. The Fiscal Year (FY) 2022 TBI/PH Research Program (TBIPHRP) vision is to optimize PH and reduce or eliminate the effects of TBI and traumatic stress. The program seeks to fund research to understand, prevent, and treat TBI and PH conditions that accelerates solutions to improve the health, well-being, and healthcare of Service members, veterans, Department of Defense (DoD) beneficiaries, and the American public.

FY 2022 TBIPHRP OBLIGATIONS AND EXPENDITURES

Table 1 summarizes the FY 2022 TBI/PHRP obligations by category.

Table 1. FY 2022 TBIPHRP Obligations Summary

FY 2022 TBIPH Congressional Appropriation	\$175,000,000
Less: Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) Withholds	(\$5,837,000 [3.3 percent])
Less: U.S. Army Medical Research and Development Command (USAMRDC) Withholds	(\$3,379,024 [1.9 percent])
Less: Management Costs	(\$8,906,179 [5.1 percent])
Amount Available for Program Research	\$156,877,797 (89.6 percent)

The FY 2022 TBIPHRP received 258 applications across five funding opportunity announcements and recommended funding for 59 applications, representing 65 separate awards (25.2 percent funding rate), totaling \$156,877,797. The remaining \$18,122,203 includes USAMRDC withholds, SBIR/STTR allocation, and CDMRP management costs. Table 2 provides a list of FY 2022 TBI/PH CSI research investments.

Table 2. FY 2022 TBIPHRP Research Investments

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Approaches for preclinical to clinical translation that expedite and advance prevention and treatment.	Translational Research Award	TBI Exosomal Activity in Military Personnel: Perivascular Space and Role of Indicators of Sleep Metrics TEAM PRISM	Johns Hopkins University	\$2,794*
Understand: Understanding of pre-exposure risk, injury, and biological factors contributing to an individual's response, recovery, and long-term outcomes following a brain injury or traumatic event.	Focused Program Award	Advancing Precision Psychiatry for Military Service-Related PTSD [Post-Traumatic Stress Disorder] by Enhancing Knowledge of Clinical Subtypes and Their Endophenotypes	New York University School of Medicine	\$602,815*
Understand: Understanding of pre-exposure risk, injury, and biological factors contributing to an individual's response, recovery, and long-term outcomes following a brain injury or traumatic event.	Focused Program Award	Elucidating the Role of Increased Neuroinflammation and Related Structural and Functional Neurological Sequelae After Exposure to Repetitive Blast	Naval Medical Research Center	\$126,000*

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Understanding of pre-exposure risk, injury, and biological factors contributing to an individual's response, recovery, and long-term outcomes following a brain injury or traumatic event.	Focused Program Award	Discovering Diagnostics, Subtypes, and Natural History of Traumatic Brain Injury (TBI) vs. Non-TBI Recovery to Gain Military Advantage: The D2ISENTANGLE Focused Program Award	University of North Carolina at Chapel Hill	\$27,620*
Understand: Understanding of pre-exposure risk, injury, and biological factors contributing to an individual's response, recovery, and long-term outcomes following a brain injury or traumatic event.	Focused Program Award	Neuroimmunoendocrine Interface: Exploring a Unifying Axis for Precision Care in PH and TBI (NEXUS)	University of Pittsburgh	\$3,000*
Understand: Understanding of pre-exposure risk, injury, and biological factors contributing to an individual's response, recovery, and long-term outcomes following a brain injury or traumatic event.	Idea Development Award	Sleep Restriction and Mild Blast TBI on PTSD-Like Behavioral Outcome	Uniformed Services University of the Health Sciences	\$5,000*

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Understanding of pre-exposure risk, injury, and biological factors contributing to an individual's response, recovery, and long-term outcomes following a brain injury or traumatic event.	Investigator-Initiated Research Award	Quantifying the Sensitivity and Specificity of Point-of-Care Biomarkers in a Large-Animal Model of Mild Traumatic Brain Injury	Lovelace Biomedical and Environmental Research Institute	\$4,918*
Understand: Understanding of pre-exposure risk, injury, and biological factors contributing to an individual's response, recovery, and long-term outcomes following a brain injury or traumatic event.	Translational Research Award	ANAM [Automated Neuropsychological Assessment Metrics] Performance in Evaluating Injury and Psychological Health Risk: Establishing the Connection Between Cognition, Health, and Readiness	U.S. Army Research Institute of Environmental Medicine	\$1,044,128*
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Focused Program Award	Program to Characterize Evolving Endophenotypes of Degeneration After Traumatic Brain Injury (PROCEED-TBI)	University of Pennsylvania	\$7,956,997

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Focused Program Award	Consequences of Brain Injury on Glia-Neuron Dynamics, Neuropathology, and Neuropsychiatric Illness	Ohio State University	\$7,700,740
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Focused Program Award	Understanding Gene x Stress Interactions Across the Cell Types of the Brain in PTSD	Icahn School of Medicine at Mount Sinai	\$5,596,529
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Focused Program Award	Brain Risk Assessment for Individual Neurological (BRAIN) Health: Understanding/ Preventing Consequences from Repetitive mTBI [Mild TBI] and Head Impact Exposures	University of Pittsburgh	\$5,300,386

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Focused Program Award	Long-Term Psychological and Physical Health Outcomes Following Military Deployment: The Veterans After-Discharge Longitudinal Registry (Project VALOR)	Boston VA [Department of Veterans Affairs] Research Institute, Inc. (BVARI)	\$2,916,605
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Investigator-Initiated Research Award	Prebiotic and Probiotic Interventions for Treatment of TBI-Induced Microbiome Dysfunction	Ohio State University	\$717,896
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Investigator-Initiated Research Award	Trajectories of Neuroimaging and Blood-Based Biomarkers After Remote Traumatic Brain Injury and Associations with Dementia Risk	University of Pennsylvania	\$683,442

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Investigator-Initiated Research Award	Targeting Glucotoxicity to Improve Psychological Health After TBI	Rutgers, The State University of New Jersey - Newark	\$643,247
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Investigator-Initiated Research Award	Evaluating Reductions in Hippocampal Volume Related to Blast Exposure and Their Effect on Memory Function	Salisbury Foundation for Research and Education, Inc.	\$549,904
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Investigator-Initiated Research Award	Law Enforcement Officers and Traumatic Brain Injuries	Ohio State University	\$512,751

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Investigator-Initiated Research Award	Law Enforcement Officers and Traumatic Brain Injuries	Ohio State University	\$248,237
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Investigator-Initiated Research Award	Trajectories of Neuroimaging and Blood-Based Biomarkers After Remote Traumatic Brain Injury and Associations with Dementia Risk	University of Pennsylvania	\$87,136
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Translational Research Award	Measuring Autonomic Nervous System in Warfighters Following Exertion and Resting Stressors (Measuring ANSWERS)	University of North Carolina at Chapel Hill	\$1,555,000

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Translational Research Award	The Combat Polytrauma Triad: Photosensitivity as a Link Between PTSD and Chronic Pain After TBI	Oregon Health and Science University	\$1,338,393
Understand: Understanding of risk, protective, and biological factors contributing to an individual's vulnerability to, response to, and long-term outcomes of psychological health and/or TBI conditions.	Translational Research Award	microRNA [Ribonucleic Acid] Biomarkers of Cumulative Blast-Mild Traumatic Brain Injury (Micro BCB)	VA Puget Sound Health Care System	\$1,131,357
Prevent and Assess: Identification and validation of biomarkers or other objective markers for diagnosis, prognosis, or monitoring of psychological health and/or TBI conditions, repetitive exposures, and associated sequelae.	Clinical Trial Award - Research Level 1	Inhaled Nitric Oxide for Treatment of Microvascular Dysfunction in Traumatic Brain Injury	University of Pennsylvania	\$655,533

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Prevent and Assess: Identification and validation of biomarkers or other objective markers for diagnosis, prognosis, or monitoring of psychological health and/or TBI conditions, repetitive exposures, and associated sequelae.	Clinical Trial Award - Research Level 1	Inhaled Nitric Oxide for Treatment of Microvascular Dysfunction in Traumatic Brain Injury	University of Pennsylvania	\$67,091
Prevent and Assess: Identification and validation of biomarkers or other objective markers for diagnosis, prognosis, or monitoring of psychological health and/or TBI conditions, repetitive exposures, and associated sequelae.	Focused Program Award	Trauma-Induced Coagulopathy and the Blood-Brain Barrier: Impact of Resuscitation	University of Texas Health Science Center at Houston	\$7,693,599
Prevent and Assess: Identification and validation of biomarkers or other objective markers for diagnosis, prognosis, or monitoring of psychological health and/or TBI conditions, repetitive exposures, and associated sequelae.	Focused Program Award	POINT-mTBI: Prospective Study of Point-of-Care Blood-Based Biomarkers in Acute Military, Civilian, and Sport-Related Mild Traumatic Brain Injury (mTBI)	Medical College of Wisconsin	\$6,403,731

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Prevent and Assess: Identification and validation of biomarkers or other objective markers for diagnosis, prognosis, or monitoring of psychological health and/or TBI conditions, repetitive exposures, and associated sequelae.	Investigator-Initiated Research Award	An International Collaboration to Improve the Precision of the Glasgow Outcome Scale Extended (GOSE)	Medical College of Wisconsin	\$687,815
Prevent and Assess: Approaches or tools to prevent or reduce risk of psychological health and/or TBI conditions.	Clinical Trial Award - Research Level 2	Prevention of Post-Traumatic Stress: A Randomized Controlled Trial of Brief Prolonged Exposure Therapy for Injured Individuals Admitted to a Level I Trauma Center	Baylor Research Institute	\$2,763,615
Prevent and Assess: Approaches or tools to prevent or reduce risk of psychological health and/or TBI conditions.	Translational Research Award	Model Development and Translation of a Virtual Reality Military Operational Neuropsychological Assessment (VRMONA)	University of Arizona, Tucson	\$1,534,738

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Prevent and Assess: Development, evaluation, and implementation of cross-cutting prevention approaches targeting upstream factors or leveraging communities and peers to address multiple adverse outcomes.	Clinical Trial Award - Research Level 2	A Cluster Randomized Controlled Trial of X-Core: A Multilevel Sexual Assault Prevention Intervention for Active-Duty Airmen	University of Texas Health Science Center at Houston	\$3,024,846
Prevent and Assess: Development, evaluation, and implementation of cross-cutting prevention approaches targeting upstream factors or leveraging communities and peers to address multiple adverse outcomes.	Patient-Centered Research Award	Enhancement of Strength at Home Implementation to Prevent Violence and Related Outcomes	Boston University Medical Campus	\$1,152,184
Prevent: Development, evaluation, and implementation of crosscutting prevention approaches targeting upstream factors or leveraging communities and peers to address multiple adverse outcomes.	Clinical Trial Award - Research Level 1	Harnessing the Power of Military Peers to Reduce Sexual Violence and Risky Drinking in Navy Sailors	University at Buffalo	\$126,000*

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Prevent and Assess: Solutions to increase readiness and resilience in individuals, small teams, families, and communities to ameliorate the potential negative impacts of specific military and life stressors.	Clinical Trial Award - Research Level 3	RCT [Randomized Controlled Trial] of a Trauma-Informed Parent-Child Functioning Intervention for Military Veterans	University of Texas at Austin	\$3,444,151
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Cognitive Behavioral Therapy for Insomnia vs. Brief Behavioral Therapy for Insomnia in Military Personnel with Post-Concussive Symptoms Following Mild TBI	University of Texas Health Science Center at San Antonio	\$2,871,360
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Acceptance and Commitment Therapy Integrated Vestibular Rehabilitation (ACTIVE) for mTBI: A Targeted, Randomized, Controlled Trial	University of Pittsburgh	\$2,565,719
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Multimodal Image Analysis and Guidance of Neuromodulation for Trauma-Related Symptoms (MAGNETS)	University of New Mexico Health Sciences Center	\$2,479,978
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Wearable Technology to Characterize and Treat mTBI Subtypes: Biofeedback-Based Precision Rehabilitation	Oregon Health and Science University	\$2,396,078

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Targeted Plasticity Therapy for the Treatment of Post-Traumatic Stress Disorder	University of Texas at Dallas	\$2,317,051
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Remotely Supervised tDCS Combined with Cognitive Training to Improve Complex Attention in Active-Duty Service Members and Veterans with Mild TBI	General Dynamics Information Technology	\$2,260,121
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	A Randomized Clinical Trial of Quetiapine to Reduce Post-Concussive Syndrome Polypharmacy	Foundation for Advancing Veterans' Health Research	\$2,140,031
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Silexan in the Treatment of Post-Traumatic Stress Disorder (STOP) Trial: A Randomized, Placebo-Controlled, Double-Blind Trial	Deakin University	\$2,031,972
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 3	ADEPT: Adaptive Trial for the Treatment of Depressive Symptoms Associated with Concussion Using Repetitive Transcranial Magnetic Stimulation Protocols	Uniformed Services University of the Health Sciences	\$5,608,291

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 3	Clinical Effectiveness and Implementation of Massed Prolonged Exposure for PTSD Among Veterans in Intensive Outpatient Substance Use Treatment	Veterans Medical Research Foundation of San Diego	\$5,157,640
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 3	Promoting Rapid Return to Functioning After Acute Stress Reaction: Assessing the Efficacy of the iCOVER Intervention	University of North Carolina at Chapel Hill	\$4,949,186
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 3	Clinical Effectiveness and Implementation of Trauma-Informed Guilt Reduction Therapy Compared to Prolonged Exposure	Veterans Medical Research Foundation of San Diego	\$4,910,555
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 3	Autologous Adipose-Derived MSCs [Mesenchymal Stem Cells] for Chronic Traumatic Brain Injury	University of Texas Health Science Center at Houston	\$4,541,790
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Focused Program Award	Design Microbiome-Based Therapies to Prevent and Ameliorate Post-Traumatic Stress Disorder	Brigham and Women's Hospital	\$6,319,054

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	Amnion Cell Secretome-Mediated Therapy for Traumatic Brain Injury	Roskamp Institute	\$817,085
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	The Epichaperome: A Novel Therapeutic Target for Blast Traumatic Brain Injury	University of Pittsburgh	\$795,000
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	Mitigating Traumatic Brain Injuries and Neurological Implications via the Immunometabolite Itaconate	University of California, San Diego	\$790,000
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	NOP [Nociceptin/Orphanin FQ Peptide] Receptor Modulator Treatment Optimizes Cognitive, Locomotor, and Sensory Outcomes of Mild Concussive TBI with and Without PTSD	University of Oklahoma Health Sciences Center	\$725,000
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	Evaluating the Therapeutic Potential of Bumetanide as an Acute Cerebral Edema Treatment Following Penetrating Traumatic Brain Injury in Rats	Walter Reed Army Institute of Research	\$703,337

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	Analysis of the Feasibility of Iontophoretic Delivery of Glyburide for Point-of-Injury Treatment of Traumatic Brain Injury in Swine	Walter Reed Army Institute of Research	\$702,520
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	Point-of-Injury Intranasal ALM [Adenosine, Lidocaine, and Magnesium] Drug Therapy to Reduce Secondary Injury and Improve Outcomes After TBI in Civilian and Military Resource-Limited Environments	James Cook University	\$613,585
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	CD98hc-Mediated Delivery of an Ultrapotent TrkB Agonist Antibody for Neuroprotection and Improved Cognitive Recovery After Traumatic Brain Injury	University of Michigan	\$377,115
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Investigator-Initiated Research Award	CD98hc-Mediated Delivery of an Ultrapotent TrkB Agonist Antibody for Neuroprotection and Improved Cognitive Recovery After Traumatic Brain Injury	University of Michigan	\$297,758
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Patient-Centered Research Award	SMART-CPT [Symptom Management and Rehabilitation Therapy-Cognitive Processing Therapy] for PTSD and History of Concussion: A Pragmatic Implementation Trial	Veterans Medical Research Foundation of San Diego	\$1,269,363

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Patient-Centered Research Award	Development and Pilot Testing of eHealth Problem-Solving Training (ePST) for Adults with Traumatic Brain Injury	TIRR Memorial Hermann	\$1,166,024
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Patient-Centered Research Award	Implementing and Evaluating a Patient-Centered PTSD Treatment Program for Military Personnel	University of Texas Health Science Center at San Antonio	\$936,532
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Patient-Centered Research Award	Implementing and Evaluating a Patient-Centered PTSD Treatment Program for Military Personnel	University of Texas Health Science Center at San Antonio	\$508,815
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	First-in-Class Peptidomimetic Drug for the Treatment of TBI and Sequelae: Nonclinical Safety Assessment	Alcamena Stem Cell Therapeutics, LLC	\$1,700,000
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	Targeting Inflammatory Astrocyte Reactivity in Mild Traumatic Brain Injury	Palo Alto Institute for Research and Education	\$1,400,500
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	Identifying Circuit Mechanisms of MDMA [3,4-Methylenedioxy-methamphetamine] and Methylone to Develop Plasticity-Based PTSD Treatment	Yale University	\$1,351,106

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	Creation of New Chemical Entities (NCEs) for Treating Traumatic Brain Injury	MicroQuin	\$999,300
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	Improving Functional Outcomes in Traumatic Brain Injury Through Enhanced Neuroplasticity and Repair: Evaluation of Potential Therapeutic NVG-291	Walter Reed Army Institute of Research	\$987,149
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	Retrospective Study of Treatment Outcomes: Understanding the Role of Personal, Organizational, and Treatment Factors in Army Alcohol Treatment Outcomes	University of Texas at Austin	\$901,042
Treat: Interventions that promote sustained functional recovery during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	Identifying Circuit Mechanisms of MDMA and Methylone to Develop Plasticity-Based PTSD Treatment	Yale University	\$99,307
Treat: Interventions that promote sustained functional recovery, including interventions administered acutely, during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 1	Building Emotional Self-Awareness Teletherapy (BEST): A Tool to Optimize Psychological Health Outcomes for Persons with Traumatic Brain Injury	Indiana University	\$110,886*

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery, including interventions administered acutely, during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Phase 2 Randomized Controlled Trial of Sildenafil Citrate for Treatment of Cerebrovascular Dysfunction in Chronic Traumatic Brain Injury	University of Pennsylvania	\$35,190*
Treat: Interventions that promote sustained functional recovery, including interventions administered acutely, during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 2	Prevention/Reduction of ASRs [Acute Stress Reactions] and PTSD to Sustain Civilian Performance with Sublingual Cyclobenzaprine HCl (TNX-102 SL)	University of North Carolina at Chapel Hill	\$25,110*
Treat: Interventions that promote sustained functional recovery, including interventions administered acutely, during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 3	Combat Insomnia: A Randomized Controlled Trial of Cognitive-Behavioral vs. Mindfulness-Based Treatment for TBI-Related Insomnia and Post-Traumatic Stress Symptoms	Johns Hopkins University	\$30,316*
Treat: Interventions that promote sustained functional recovery, including interventions administered acutely, during the post-acute phase, or during the chronic phase of injury.	Clinical Trial Award - Research Level 3	Exercise Reset for Concussion: Modifying the Buffalo Concussion Protocol for Application in a Military Environment	University at Buffalo	\$23,000*

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Interventions that promote sustained functional recovery, including interventions administered acutely, during the post-acute phase, or during the chronic phase of injury.	Translational Research Award	Portable Mixed Reality-Based Platform for Assessment of Progress in Multisensory Rehabilitation Strategies for Post-TBI Return-to-Duty (RTD) Decision-Making	Intelligent Automation, Inc.	\$37,000*
Treat: Validated methods for reducing barriers to care for psychological health and/or TBI challenges and understanding mechanisms of change in help-seeking behavior.	Clinical Trial Award - Research Level 3	The REACH Intervention for Caregivers of Veterans and Service Members with TBI: Efficacy and Implementation Planning Across the VA Polytrauma System of Care	University of Virginia	\$4,778,800
Treat: Validated methods for reducing barriers to care for psychological health and/or TBI challenges and understanding mechanisms of change in help-seeking behavior.	Translational Research Award	Personalized Dosing of Noninvasive Brain Stimulation Using fNIRS-TMS [Functional Near-Infrared Spectroscopy-Transcranial Magnetic Stimulation] Technology	Florida State University	\$1,442,341

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Implementation, follow-up, and services research to increase provider adoption and availability of evidence-based treatments, as well as treatment engagement, follow-up care, and understanding of long-term outcomes.	Clinical Trial Award - Research Level 2	Angiotensin-(1-7): A Treatment for Neuropsychological and Memory Impairments Following Moderate to Severe Traumatic Brain Injury	University of Arizona, Tucson	\$3,004,651
Treat: Implementation, follow-up, and services research to increase provider adoption and availability of evidence-based treatments, as well as treatment engagement, follow-up care, and understanding of long-term outcomes.	Focused Program Award	Improving Health Care Access and Engagement for Veterans and Service Members with TBI Morbidity	James A. Haley VA Medical Center	\$6,325,327

Research Area	Funding Opportunity Announcement	Title	Organization	FY 2022 Obligation
Treat: Implementation, follow-up, and services research to increase provider adoption and availability of evidence-based treatments, as well as treatment engagement, follow-up care, and understanding of long-term outcomes.	Focused Program Award	Contribution of Psychological Health Comorbidity to Personalized Treatment for Headache Attributable to mTBI	University of Texas Health Science Center at San Antonio	\$5,773,552
Treat: Implementation, follow-up, and services research to increase provider adoption and availability of evidence-based treatments, as well as treatment engagement, follow-up care, and understanding of long-term outcomes.	Translational Research Award	Turning Training into Action: Translating Training of Behavioral Health Providers into Evidence-Based Practices	Purdue University	\$1,294,062

*Previously approved FY 2021 research awards. FY 2022 funds were committed to support outyears.

SUMMARY

The TBIPHRP funds research to understand, prevent, assess, and treat PH conditions and/or TBI that accelerates solutions to improve the health, well-being, and health care of Service members, DoD beneficiaries, veterans, and the American public. Congressional appropriations for the FY 2022 TBIPHRP totaled \$175 million (M), of which the expenditures approximated \$156.88M for research, \$5.84M for SBIR/STTR withholds, \$3.38M for USAMRDC withholds, and \$8.91M for CDMRP management costs. The FY 2022 TBIPHRP funded 59 projects, representing 65 separate awards. These projects align with the program’s vision to optimize the prevention, assessment, and treatment of PH conditions and TBI.