Reports Required by Government Auditing Standards and the Uniform Guidance

For the year ended June 30, 2021

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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
Research and Development Cluster US Department of Agriculture				
Molecular Characterization of Regulatory Factors Involved in Aspergillus flavus Development, Secondary Metabolism and Survival	10.001	58-6054-5-031	\$ -	\$ 33,252
Gullah/Geechee Agro-Culture: Sustaining culture to sustain agriculture in the Lowcountry Molecular Basis of Xenobiotic Metabolism and Resistance in Tetranychus urticae	10.215 10.310	2020-38640-31521 2020-67014-31179	-	14,651 81,908
The CIG that Changed My Life? Capturing Value of Cover Crops and Soil Health Figure 6. Quantific and Share Reposite and Outcomes of Soil Health Management Systems (SHMS). (To provide technical assistance to	10.902	68-3A75-17-311	-	35,012
Evaluate, Quantify, and Share Benefits and Outcomes of Soil Health Management Systems (SHMS) - (To provide technical assistance to SC NRCS Field Offices)	10.902	NR214639XXXXC001		17.061
Video Representation of NRCS Conservation Practices and Standards	10.912	NR204639XXXXC005	-	6,439
Strategic Planning toward Regenerative Farming for Small Producers Passed through programs from:	10.912	NR214639XXXXC004	-	1,126
Clemson University				
Field Schools and Bus Tours to support 'Advanced Soil Health Training for South Carolina Agriculture Professionals' Proposal for SARE PDP	10.215	2147-215-2013447		8,606
University of North Carolina at Charlotte				
Computational Framework for Prediction of Geographical and Temporal Incidence of Mycotoxins in US Crop Fields Total US Department of Agriculture	10.310	20190583-01-USC		100,000 298,055
US Department of Commerce Shoals and Shipwrecks: Archaeological Explorations off Port Royal Sound, South Carolina	11.011	NA19OAR0110304	-	10,036
The North Inlet-Winyah Bay National Estuarine Research Reserve	11.420	NA18NOS4200009	-	40,147
Continuing Support of the NERR Centralized Data Management Office The North Inlet - Winyah Bay National Estuarine Research Reserve	11.420 11.420	NA18NOS4200120 NA19NOS4200069		6,768 119,606
Support of the National Estuarine Research Reserve System Centralized Data Management Office and Enhancements to the System-	11.420	NA19NOS4200105		.,
Wide Monitoring Program North Inlet Winyah Bay NERR FY20 annual operations award proposal	11.420	NA20NOS4200030	-	448,774 595,204
Novel Approaches to Age Validation in Data-Poor U.S. Caribbean Reef Fishes	11.427	NA18NMF4270203	- 54,759	146,198
Building Adaptive Capacity in the Carolinas: The Carolinas Integrated Sciences & Assessments (CISA) Program From Physics to Eichoring a Social Ecological Management Strategy Evaluation for the California Current Large Manine Ecocytem	11.431	NA16OAR4310163	198,701	683,354
From Physics to Fisheries: a Social-Ecological Management Strategy Evaluation for the California Current Large Marine Ecosystem Utilizing Drought Forecasts to Develop Decision Calendars for Reoperation of California's Hydroelectric Reservoir Systems and	11.431	NA17OAR4310270	-	8,161
Managed Aquifer Recharge	11.431	NA19OAR4310371	8,186	55,329
Filling Critical Life History Information Gaps of Data-Poor Fisheries in U.S. Caribbean Waters: Age, Growth, and Reproduction of Queen Triggerfish and Four Species of Parrotfish	11 422	NA15NMF4330157	43.400	24.452
Conservation Genomics and Caribbean Fisheries Management: Stock Structure and Connectivity of Four Parrotfish Species and the	11.433	NA15NMF4330157	12,100	24,163
Role of MPAs as Recruitment Sources	11.433	NA18NMF4330239	14,586	110,044
Caribbean Hogfish: Documenting Critical Life History Information For A Data-Poor Species In Collaboration With Puerto Rican Fishers Research to operationalize the use of UAS in wetland monitoring in support of the NOS/NERRS science mission – NI-WB NERR sub-	11.454	NA17NMF4540137	-	(1,883)
award	11.478	NA20NOS4780216		11,845
Evaluation of molecular analysis to identify and quantify ichthyoplankton samples	11.RD	1305M218PNFFN0048	-	18,411
Passed through programs from: Georgia Institute of Technology				
Maryville Coastal Wetland Restoration and Community Resiliency (SC)	11.473	0318.19.066115_NA19NOS4730148	-	551
Global Foundation for Ocean Exploration Sharing Flower Garden Banks with the World Through Telepresence	11.429	PO # 09-01-2020 BRUGLER		22,694
Louisiana State University	11.423	TO WOS OF EGED BROGEER		22,034
EESLR 2016 Dynamic sea level rise assessments of the ability of natural and nature-based features to mitigate surge and nuisance flooding				
National Oceanic and Atmospheric Administration	11.478	PO-000010922	•	7,177
Continuing Operational support of the National Estuarine Research Reserve System Centralized Data Management Office and				
Enhancements to the System-Wide Monitoring Program NC Department of Environmental Quality	11.420	NA20NOS4200203	-	222,478
Bridging the gap between quadrats and satellites: assessing utility of drone-based imagery to enhance emergent vegetation				
biomonitoring	11.419	NA19NOS4190058 CW18050	-	3,848
NC State University Creating ShellBase: The Southeast Shellfish Water Quality Database	11.012	2021-1679-01 / NA16NOS0120028		1,050
SC Sea Grant Consortium				
Relating Nonpoint Source BOD Loading to Land-Use and Stormwater Management Practices in Coastal South Carolina SE Coastal Ocean Observing Regional Association	11.417	R/CG-3	-	17,845
Demonstrating an Estuarine Soundscape Observatory Network in the Southeast: Understanding baseline rhythms of biological				
sounds and correlations to traditional biodiversity measurements to support long-term sustainable monitoring	11.012	OOS.16(028)USC.EM.SOUND.5	-	38,799
Integrating Biological Sound and Noise Measurements into Regional Coastal Ocean Observing Systems (RCOOS) in Estuaries of South Carolina	11.012	IOOS.16(028)USC.EM.MOD.1		2.065
Supporting Resilient Ecosystems, Communities and Economies Operate and Maintain University of South Carolina IOOS Priority	11.012	1005.16(028)05C.EM.MOD.1	•	2,065
High Frequency Radars in SECOORA	11.012	IOOS.16(028)USC.GV.OBS.1	-	149,594
Supporting Resilient Ecosystems, Communities and Economies: Integrated Decision Support and Management Tools for Adaptive Public Health Practices: An Early Warning System for Swimming	11.012	IOOS.16(028)USC.DP.MOD.1	11.000	77,809
WebCOOS: Development and Transfer of an Operational Situational Monitoring and Reporting System	11.012	NA20NOS0120220	11,990	25,261
The University of Texas at Austin	44.440	NA19NOS4190058 / UTA20-001035		40.245
Listen In: Acoustic Monitoring of Estuarine Communities Facing Ecosystem Change Listen In: Acoustic Monitoring of Estuarine Communities Facing Ecosystem Change	11.419 11.419	UTA20-001036	-	18,246 1,875
University of Michigan				
A Collaborative Science Program for the National Estuarine Research Reserve System: With End Users Throughout the Applied Research Process	11.419	3003300692		4,354
Total US Department of Commerce	11.415	3003300032	300,322	2,869,803
			·	
US Department of Defense ESRDC - Designing and Powering the Future Fleet; Additional Task 1.4.3 Concept Refinement.	12.300	N00014-14-1-0668		(24)
Response of the Bay of Bengal to the Atmospheric Intraseasonal Oscillations	12.300	N00014-17-1-2468	-	104,362
Experimental and Analytical Study of Low Amplitude AE signals due to Rubbing/Clapping of Crack Faying Surfaces The Pre and Post of Hardware In the Loop Experiments for Power Electronic Power Distribution Systems	12.300 12.300	N00014-17-1-2829 N00014-19-1-2060		109,003 145,045
Circulation Changes in the Arctic Ocean and Subarctic Seas and their Connections to the Global Ocean and Climate	12.300	N00014-20-1-2680	-	48,398
Influence of Mesoscale and Submesoscale Eddy Structures on the Arabian Sea Mixed Layer Dynamics Enhancing the Preparation of Next-generation Cyber Professionals through a Hands-on Academic Program, Undergraduate Research	12.300	N00014-20-1-2742	-	58,679
Experiences, and Community Partnerships	12.300	N00014-20-1-2797		123,876
Facility for Development and Testing of Networked Power Electronics Building Blocks Controls	12.300 12.300	N00014-20-1-2830	-	243,985
Discretized Energy Control Hybrid physics-based Al-enabled crack-length estimation from AE signal signatures	12.300	N00014-21-1-2093 N00014-21-1-2212	-	12,555 34,658
Distributed Condition Prognostics System for Navy Shipboard Machinery	12.300	N000174-17-1-0006	14,616	169,337
Toward Fully Electrically Reconfigurable Communication System Proposal National Register Evaluations for Five Late Discoveries and Curated Collections Maintenance for the Fort Jackson Cultural	12.300	N00174-19-1-0015	-	89,414
Resources Program	12.300	W9126G-19-2-0055	-	21,790
	12.420 12.420	W81XWH1810088	46.542	41,288
Dysregulation of the PACT-mediated crosstalk between protein kinases PKR and PERK contributes to dystonia 16 (DYT16).	17.470	W81XWH1810374	46,542	238,078 224,573
Understanding Gut-Microbiome links to Gulf War Illness persistence and development of gut-dysbiosis targeted therapy		W81XWH1910847		
Understanding Gut-Microbiome links to Gulf War Illness persistence and development of gut-dysbiosis targeted therapy TP53 Synthetic Lethal Screen in Organoid Avatars to Discover Novel Therapeutic Targets for Colon Cancer Teriparatide: Stress FracTure Recovery for ReturMinG to Duty (Teriparatide: STRONG)	12.420 12.420	W81XWH1920051	-	226,738
Understanding Gut-Microbiome links to Gulf War Illness persistence and development of gut-dysbiosis targeted therapy TP53 Synthetic Lethal Screen in Organoid Avatars to Discover Novel Therapeutic Targets for Colon Cancer Teriparatide Stress FracTure Recovery for Returnling to Duty (Teriparatide: STRONG) Optimal Functionally Graded Cellular Materials (FGCMs) to Mitigate Shock and Impact Loading	12.420	W81XWH1920051 W911NF-18-1-0023	-	
Understanding Gut-Microbiome links to Gulf War Illness persistence and development of gut-dysbiosis targeted therapy TP53 Synthetic Lethal Screen in Organoid Avatars to Discover Novel Therapeutic Targets for Colon Cancer Teriparatides Stress FracTure Recovery for ReturklinG to Duty (Teriparatides STRONG) Optimal Functionally Graded Cellular Materials (FGCMs) to Mitigate Shock and Impact Loading High Efficiency Micro/Nano-pillar UVC Light Emitting Diodes How Inequality and Segregation Shape (and are Shaped by) Cooperation and Collective Action	12.420 12.420 12.431 12.431 12.431	W81XWH1920051 W911NF-18-1-0023 W911NF-18-1-0029 W911NF1910281	- - - 15,762	226,738 87,296 144,871 124,384
Understanding Gut-Microbiome links to Gulf War Illness persistence and development of gut-dysbiosis targeted therapy TP53 Synthetic Lethal Screen in Organoid Avatars to Discover Novel Therapeutic Targets for Colon Cancer Trejaratide: Stress FracTure Recovery for ReturNing to Duty (Teriparatide: STRONG) Optimal Functionally Graded Cellular Materials (FGCMs) to Mitigate Shock and Impact Loading High Efficiency Micro/Nano-pillar UVC Light Emitting Diodes	12.420 12.420 12.431 12.431	W81XWH1920051 W911NF-18-1-0023 W911NF-18-1-0029	15,762 - - -	226,738 87,296 144,871

ral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditu
arch and Development Cluster, Continued				
Department of Defense, continued				
Processing-Structure-Property Relationships in Ultrahigh Molecular Weight Polyethylene (UHMWPE) Film Composites	12.431	W911NF2020231	-	6
Chemical Functional Group Approach for Low-Temperature Oxidation of Liquid Fuels	12.431 12.617	W911NF2110306 HQ00052110014	•	
South Coast Regional Cybersecurity Education and Development Program Highly Effective Computational Methods in Geomagnetic Field Modeling	12.630	HM04761812002		3 20
redictive Sensing of Aerospace Composite Structures	12.800	FA9550-16-1-0401		21
eal-Time Edge Computing in Structures Experiencing Shock	12.800	FA9550-20-1-0362	-	10
eal-time Model Updating for Structures in Shock Environments	12.800	FA9550-21-1-0083	-	2
ontext-Aware Data Security for the Internet of Things (IoT) assed through programs from:	12.905	H98230-20-1-0367		3
Advent Innovation Limited Company				
Ensemble Feature Extraction (EFEX) Algorithms and Software for Machine Fault Classification	12.RD	FA857120C0016		3
Battelle Memorial Institute				
MOC3HA - Manufacturing of Carbon-Carbon Composites for Hypersonic Applications	12.RD	05174/PO#US001-0000805174		5
Brown University	42.424	40040340		_
Fractional PDEs for Conservation Laws and Beyond: Theory, Numerics and Applications Fractional PDEs for Conservation Laws and Beyond: Theory, Numerics and Applications	12.431 12.431	10010340 Subaward No. 00000851		5
Carnegie Mellon University	12.431	3058 Waltu No. 00000331		-
Near Real Time Assessment of Emergent Complex Systems of Confederates	12.300	1141302-385716		
CFD Research Corporation				
A Deep Learning Framework for Real-time Health and Security Monitoring and Diagnosis of Manufacturing Systems based on				
Energy Consumption Auditing	12.RD	20200449 FA8571-20-C-0018	-	1
A Plug-and-Play (PnP) Tool based on in-site Adaptive Neural Network Models for Real-Time Monitoring and Control of Mechanical Systems	12.RD	20100772 W0110V 20 C 000E		
A Simulation Framework of Multi-objective Evolutionary Algorithms and Surrogate-based Optimization for Guided Weapon	12.RD	20190772 W911QX-20-C-0005 FA8651-20-C-0017		1
Algorithms and Module Development for Accurate and Rapid Load Analysis and Design of Experiments	12.RD	20180064	-	-
Model Order Reduction for Fast and Rapid Simulation of Human and Vehicle Thermal Signatures	12.RD	20190046	-	
Multi-fidelity Surrogate Modeling and Data Fusion for Accurate Structural Buffet Load Prediction	12.RD	20190595	-	
Transient CFD- and Model Order Reduction-based Solver for Rapid Thermal Signature Prediction	12.RD	20200414 W56HZV-20-C-0086	•	
Clemson University				
Time for Robotics-Technology in Manufacturing Education for Robotics	12.300	2072-202-2012941	•	
Cornell University The Soldier-to-Veteran Transition: A Study of High Risk Behavior	12.420	80583-11224		
Directed Vapor Technologies Internation	12.420	00303-11224	-	
High Friction Ballistic Fibers for Improved Ballistic Protection	12.RD	D0168-01	-	
Florida State University				
Electric Ship Research and Development (ESRDC FY17-21)	12.300	R01851	-	7
Electric Ship Research and Development Consortium (ESRDC) 2021 – 2025	12.300	R000002834 / ACRN AA	-	
ESRDC – Support for Undergraduate Research Participants	12.300	R02120 & N00014-19-1-2346	•	
Georgia Institute of Technology Leveraging a New Theoretical Paradigm to Enhance Interfacial Thermal Transport In Wide Bandgap Power Electronics	12.300	N00014-18-1-2429		2
Georgia Southern University	12.500	100014 10 1 2423		
Jekyll Creek Thin Layer Placement Evaluation and Analysis of Ecosystem Response	12.630	39G9579-001	-	
Hitron Technologies				
A Remote Egg-oiling System with Autonomous and Automated Target Object Identification for Nuisance Bird Management	12.RD	U00026691	-	
Phase II: Remote Egg-oiling System with Autonomous and Automated Target Object Identification for Nuisance Bird Management	12.RD	N68335-21-C-0069	•	
Morgan State University Cubic Boron Nitride: A New Extreme Semiconductor by Ion-Beam Assisted Chemical Vapor Deposition	12.800	PO# P0019967		
National Science Teachers Association	12.000	101110013307		
USC Junior Science and Humanities Symposium (JSHS) 2020	12.630	20-871-037		
USC Junior Science and Humantites Symposium	12.630	727325/W911SR-15-2-0001	-	
Navatek, LLC				
Digital Twin Technology for Navy P&E Systems	12.300	SCN09741 10047-00001-0001-0008	73,000	7
Northeastern University Beyond the Cultural Horizon: Mapping Relational Norms Within Social Networks	12.431	504082-78050		
Piasecki Aircraft Corporation	12.431	304082-78030		
Fuel Cell System Modeling STTR	12.RD	PO#85962 FA864921P0131	-	
Raytheon Technologies				
Raytheon - ARM Welding Support	12.RD	1259063/PO#2607781	-	
SC Office of the Adjutant General				
Medium and Large Wildlife Diversity and Abundance at SCARNG Training Sites - 2020	12.RD	4100084826	-	
Spintech, Inc. Smart Tooling - Phase 1 SBIR Subcontract - Smart Tooling Evaluation for Automated Thermoplastic Manufacturing	12.RD	2021-003886		
Structured Materials Industries	12.KD	2021-003880	-	
STTR: Tooling and Processing for Low Temperature Homogeneous Epitaxy of 4H-SiC Using Novel Precursors	12.RD	42139		
Tel Aviv University				
Threat monitoring and behavioral health throughout the deployment and career cycles: A translational study	12.420	0610715871		
Texas Research Institute-Austin, Inc.				
NDE Based Condition Assessment of Sub-Surface Concrete with Limited Access – Phase II	12.RD	F-30141-500-01-SC1784		
The Ohio State University	12 200	50053054		
AIN-Based Extreme Band Gap mm-wave Electronics UES	12.300	60063064	•	
Dendroid Core Detection and Tracking for Directionally Solidified Ni-Based Alloys	12.RD	S-109-5D7-001	-	
Universal Technology Corporation	IL.IID	3 103 357 001		
Integration of NMR Interpretation Tool in Surrogate Formulation and High Pressure Laminar Flow Reactor for Species Diagnostics				
in Jet Fuel Combustion	12.RD	17-7900-0006-03-C2		
University of Dayton Research Institute				
Real-Time High-rate Decision Making for Functional Prognosis of Complex Mechanical Systems	12.RD	RSC19009	•	
University of Pittsburgh USMC Gender-Integrated Recruit Training Study	12.RD	M9549420C0021		
University of South Florida	12.KD	W9549420C0021	•	
Blood Flow Restriction Training	12.RD	H92405-20-D-0001		
Virginia Tech				
The Effect of Humidity and Partide Composition on Partitioning of Volatile Organic Compounds	12.431	45038819545	-	
Wake Forest University Health Sciences				
Influence of Prostate Cancer Treatment on Work Experiences with Focus on Race and Income	12.420	102300-112859	-	
Wichita State University Industrian and Collaboration Programs Development of Maintenance Strategies for EVI. Platforms	12 620	21 01021 / W0114/5 17 2 2221		
Innovation and Collaboration Program: Development of Maintenance Strategies for FVL Platforms Total US Department of Defense	12.630	21-01021 / W911W6-17-3-0001	149,920	7,:
			143,320	
Department of Interior				
sing Motus stations to conserve endangered shorebirds at priority wetlands of NW-Mexico	15.637	F20AP11520-00		
vestigating and Protecting Critical Nocturnal Roosts: Whimbrel at Deveaux Bank	15.663	0111.20.067006	-	
ongaree River Freshwater Mussel Habitat Survey	15.678	F17AC00529	-	
peration of the Mid-America Integrated Seismic Network – 2020-2024 - USC	15.808	G20AC00033	-	:
	15.808	G21AC10159-01	-	
pdating the National Landmark and National Register Nominations for the Camden Battlefield	15.926	P19AP00434	•	
Jentifying the network of migratory stopover sites for Hudsonian Godwits in the Northern Great Plains jodating the National Landmark and National Register Nominations for the Camden Battlefield rchaeological Research and Educational Program for the Southern Campaigns ooker T Washington National Monument (BOWA) Archaeological Reanalysis		P19AP00434 P16AC01544 P19AC00586	-	

	Federal CFDA		Passed through to	
ederal grantor/pass-through grantor/program title	number	Grant Number	subrecipients	Expenditures
Research and Development Cluster, Continued				
US Department of Interior, continued Radiogenic Isotope and Platinum Group Element Analyses (RFQ 140G0320Q0039)	15.RD	140G0320P0094		19,920
Passed through programs from:	13.00	14000320F0034	•	15,520
Clemson University State Water Resources Research Institute Program: Identifying iodine hotspots in freshwater of South Carolina and their impact				
on iodinated disinfection by-products in drinking water	15.805	2191-213-2021202		15,395
SC Department of Natural Resources				13,333
Archaeological Survey of Tom Yawkey Wildlife Center Heritage Preserve Smith College	15.957	10010789	-	29,040
Fate and Impacts of Silver Nanoparticles in Treatment Wetlands	15.805	636916-1	-	7,158
Total US Department of Interior				307,292
US Department of Justice				
Interconnecting PBIS and School Mental Health to Improve School Safety: A Randomized Trial	16.560	2015-CK-BX-0018	140,056	269,107
Passed through programs from: Michigan State University				
Assessment of Cognitive Performance-based Training to Improve Police Decision-making	16.560	RC110216-SC 2018-75-CX-4030		28,999
The City University of New York				
Investigating the Root Causes of School Violence: A Case Control Study of School Violent Offenders, Youth Violent Offenders, and Non-offending Youths	16.560	2020-CK-BX-0003 CM00005838-00	_	15,290
University at Buffalo, SUNY				
Atypical Work Hours and Adaptation in Law Enforcement: Targets for Disease Prevention - Subcontract W/The Research Foundation for SUNY on behalf of University at Buffalo	16 560	R1218292		62.224
Total US Department of Justice	16.560	K1218292	140,056	62,221 375,617
US Department of Labor Passed through programs from:				
SC State Board for Technical & Comprehension Education				
Apprenticeship Carolina - ROI Analysis	17.268	4000034681		33,634
Total US Department of Labor				33,634
US Department of State				
Think Tank Capacity Building	19.700	SLMAQM20GR2180	62,685	206,340
Justice Sector Training, Research, and Coordination Plus (JusTRAC+) Program Project 1 Total US Department of State	19.703	SINLEC18CA2068	62,685	493,243 699,583
			02,003	033,303
US Department of Transportation Passed through programs from:				
Clemson University				
Center for Connected Multimodal Mobility	20.701	1919-211-2021810	-	201,086
Federal Railroad Administration Intelligent Abnormal Situation Awareness Platform (i-ASAP)	20.RD	693JJ620C000021	36,965	51,669
Intelligent Crossing Assessment and Traffic Sharing System (i-CATSS)	20.RD	693JJ619C000009	-	87,199
Field Implementation of a Digital Image Correlation Enabled Drone for Non-Contacting Measurements of Railroad Infrastructure	20.RD	693JJ621C000005		13,744
Longitudinal Stress Measurements in Rail Using a Non-Contacting Reference-Free Vision-Based Approach	20.RD	693JJ619C000007		68,006
Railroad 4.0: intelligent Risk Assessment and Prediction System (i-RAPS)	20.RD	693JJ620C000013	-	41,091
National Academy of Sciences	20.242	POWER PROPERTY 11 042		40.050
Laser-based Non-destructive Spike Defect Inspection System Total US Department of Transportation	20.313	PO#SUB0001607 unit no. 913	36,965	10,853 473,648
National Aeronautics & Space Administration Cooperation and adaptability in microbial mats from extreme environments: Quorum sensing and its relation to early life on Earth and				
elsewhere.	43.001	80NSSC18K1064		96,663
Compact, Robust Spatial Heterodyne Raman Spectrometer for Planetary Exploration	43.001	80NSSC19K1024	108,246	193,511
ECOSTRESS- Heat and Desiccation Risk Prediction in Intertidal Shellfisheries	43.001	80NSSC20K0074	-	77,356
Probing Dust Properties and Evolution Using Multi-wavelength Measurements of Absorption and Extinction in Galaxies Over the Past ~12 Gyr	43.001	80NSSC20K0887	25,291	52,936
RASPBERRY SI: Resource Adaptive Software Purpose-Built for Extraordinary Robotic Research Yields - Science Instruments	43.001	80NSSC20K1720	22,016	63,861
FINESST 3yr: Optimizing WFIRST Surveys: Precision Cosmology with Gravitationally Lensed Supernovae	43.001	80NSSCK1414	-	40,276
Connecting the Different Signatures of Interstellar Dust at Low Redshift: A Benchmark for Comparison to the Distant Universe Synthetic Design Synthesis of 'Thermoplastic UD Tape based, Fastener-free assemblies' for Urban Air Mobility vehicles	43.001 43.002	NNX17AJ26G 80NSSC20M0165	5,491 411,260	58,911 781,079
2C22 - TC3 - Design for Manufacturing (DFM) Software Development	43.002	C16-2A38-USCAR	411,200	
University Leadership Initiative: Hyper-Spectral Communications, Networking & ATM as Foundation for Safe and Efficient Future				(545
Flight: Transcending Aviation Operational Limitations with Diverse and Secure Multi-Band, Multi-Mode, and mmWave Wireless				(545
	43.002	NNX17AJ94A	354,766	
Effect of External Thermo-Convective Perturbation on Cool Flame Dynamics: A Multidimensional Multi-Physics CFD Analysis	43.002 43.007	NNX17AF97A	354,766 -	724,328 52,194
HICAM 3.07 - DFM & CAPP Tools	43.007 43.RD	NNX17AF97A 10010906	354,766 - -	724,328 52,194 6,481
HICAM 3.07 - DFM & CAPP Tools HICAM: Assess SOA NDE for Hi-rate Manufacturing	43.007	NNX17AF97A	354,766 - - - -	724,328 52,194 6,481 717
HICAM 3.07 - DFM & CAPP Tools HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from:	43.007 43.RD 43.RD	NNX17AF97A 10010906 10011028	354,766 - - - -	724,328 52,194 6,481 717
HICAM 3.07 - DFM & CAPP Tools HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company	43.007 43.RD 43.RD 43.RD	NNX17AF97A 10010906 10011028 T18-606016-USC	354,766 - - - -	724,328 52,194 6,481 717 104,715
HICAM 3.07 - DFM & CAPP Tools HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing	43.007 43.RD 43.RD 43.RD	NNX17AF97A 10010906 10011028	354,766 - - - -	724,328 52,194 6,481 717 104,715
HICAM 3.07 - DFM & CAPP Tools HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Energy Interaction with Composite Damage in Both Frequency and Time Domains	43.007 43.RD 43.RD 43.RD 43.RD 43.RD 43.RD	NNX17AF97A 10010906 10011028 T18-606016-USC U00026991 80NSSC20C0357 10011054	354,766 - - - - - -	724,328 52,194 6,481 717 104,715 2,113 19,897 58
HICAM 3.07 - DFM & CAPP Tools HICAM: Assess 50A NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Energy Interaction with Composite Damage in Both Frequency and Time Domains Phase II: Damage Detection Using Two-Stage Compressive Sensing	43.007 43.RD 43.RD 43.RD 43.RD	NNX17AF97A 10010906 10011028 T18-606016-USC U00026991 80NSSC20C0357	354,766 - - - - - - -	724,328 52,194 6,481 717 104,715 2,113 19,897 58
HICAM 3.07 - DFM & CAPP Tools HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Energy Interaction with Composite Damage in Both Frequency and Time Domains Phase II: Damage Detection Using Two-Stage Compressive Sensing CFD Research Corporation	43.007 43.RD 43.RD 43.RD 43.RD 43.RD 43.RD	NNX17AF97A 10010906 10011028 T18-606016-USC U00026991 80NSSC20C0357 10011054	354,766 - - - - - - - -	724,328 52,194 6,481 717 104,715 2,113 19,897 58
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HICAM 3.07 - DFM & CAPP Tools HICAM 3.07 - DFM & CAPP Tools HICAM: Asses SOA DNE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Bergy Interaction with Composite Damage in Both Frequency and Time Domains Phase II: Damage Detection Using Two-Stage Compressive Sensing CFD Research Corporation An Intelligent Framework for Integrated State-consistent Aeroservoelstic Reduced Order Model Development and Control Synthesis An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control (CFDRC Project No. 9397)	43.007 43.RD 43.RD 43.RD 43.RD 43.RD 43.RD 43.RD 43.RD	NNX17AF97A 100110906 10011028 T18-606016-USC U00026991 80NSSC20C0357 10011054 80NSSC20C0200	354,766 - - - - - - - -	724,328 52,194 6,481 717 104,715 2,113 19,897 58 8,633
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HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Energy Interaction with Composite Damage in Both Frequency and Time Domains Phase II: Damage Detection Using Two-Stage Compressive Sensing CFD Research Corporation An Intelligent Framework for Integrated State-consistent Aeroservoelstic Reduced Order Model Development and Control Synthesis An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control (CFDRC Project No. 9397) Clemson University Peroxide-Producing Microbial Fuel Cells for Space Life Support Systems Applications College of Charleston MIST 2021: The Bluford x Mae project Advanced Solid Oxide Electrolysis Cells to Support NASA's Planetary Exploration Missions Controls on Floodplain Circulation Defined by In Situ Observations, Numerical Simulations and Remote Sensing Development of Data Driven Techniques for Prediction of Defects in Automated Fiber Placement - Anderson, Harik Dosimetry and Temperature Monitoring of Seeds and Other Biological Materials During Space Flight Enabling Smart Automated Fiber Placement for Optimized Manufacturing by Means of Artificial Intelligence and Digital Twinning (Alex Brasington) Facile and Rapid Detection for Life Exploration in Space by Nanofluidic Electrophoretic Devices Flying Lens Spectrometer for Planetary Exploration Generic Data-Driven Framework via Physics-Informed Deep Learning Impacts of Gravity on Dropwise Condensation-Enhanced Heat Pipes Inspection Influenced Manufacturing: Characterization of an Automated Fiber Placement System - Godbold, Harik Kyle Lackey: Unraveling the Structure and Star Formation History of Polar Ring Galaxies	43.007 43.RD	NNX17AF97A 10010906 100110028 T18-606016-USC U00026991 80NSSC20C0357 10011054 80NSSC20C0200 20200610/9456 20190664 2149-223-2023494 521383-MS-SC002 521383-RP-USC001 521253-USC 521383-UG-SC001 80NSSC20M0054 521340-SC003 521149-SC003 521418-SC 521419-SC	354,766	724,328 52,194 6,481 717 104,715 2,113 19,897 58 8,633 35,145 71,991 9,822 7,500 3,803 53,505 7,500 24,003
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HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Energy Interaction with Composite Damage in Both Frequency and Time Domains Phase II: Damage Detection Using Two-Stage Compressive Sensing CFO Research Corporation An Intelligent Framework for Integrated State-consistent Aeroservoelstic Reduced Order Model Development and Control Synthesis An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control (CFDRC Project No. 9397) Clemson University Peroxide-Producing Microbial Fuel Cells for Space Life Support Systems Applications College of Charleston MIST 2021: The Blufford x Mae project Advanced Solid Oxide Electrolysis Cells to Support NASA's Planetary Exploration Missions Controls on Floodplain Circulation Defined by In Situ Observations, Numerical Simulations and Remote Sensing Development of Data Driven Techniques for Prediction of Defects in Automated Fiber Placement - Anderson, Harik Dosimetry and Temperature Monitoring of Seeds and Other Biological Materials During Space Flight Enabling Smart Automated Fiber Placement for Optimized Manufacturing by Means of Artificial Intelligence and Digital Twinning (Alex Brasington) Facile and Rapid Detection for Life Exploration in Space by Nanofluidic Electrophoretic Devices Flying Lens Spectrometer for Planetary Exploration Generic Data-Driven Framework via Physics-Informed Deep Learning Impacts of Gravity on Dropwise Condensation-Enhanced Heat Pipes Inspection Influenced Manufacturing: Characterization of an Automated Fiber Placement System - Godbold, Harik Kyle Lackey. Unraveling the Structure and Star Formation History of Polar Ring Galaxies Mini-REAP 2020: Developing Advanced Materials for NASA's Mars Oxygen Module	43.007 43.RD	NNX17AF97A 10010906 100110028 T18-606016-USC U00026991 80NSSC20C0357 10011054 80NSSC20C0200 20200610/9456 20190664 2149-223-2023494 521383-MS-SC002 521383-RP-USC001 521253-USC 521383-UG-SC001 80NSSC20M0054 521340-SC003 521419-SC 521383-UG-SC002 80NSSC20M0054 521383-UG-SC003 521418-SC 521383-UG-SC002 80NSSC20M0054 521383-UG-SC001	354,766	724,328 52,194 6,481 717 104,715 2,113 19,897 58 8,633 35,145 71,991 9,822 7,500 3,803 53,505 7,500 24,003 15,090 (738) 6,100 62,668 74,079 7,500 16,000 6,320 9,419
HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Energy Interaction with Composite Damage in Both Frequency and Time Domains Phase II: Damage Detection Using Two-Stage Compressive Sensing CFD Research Corporation An Intelligent Framework for Integrated State-consistent Aeroservoelstic Reduced Order Model Development and Control Synthesis An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control (CFDRC Project No. 9397) Clemson University Peroxide-Producing Microbial Fuel Cells for Space Life Support Systems Applications College of Charleston MIST 2021: The Bluford x Mae project Advanced Solid Oxide Electrolysis Cells to Support NASA's Planetary Exploration Missions Controls on Floodplain Circulation Defined by In Situ Observations, Numerical Simulations and Remote Sensing Development of Data Driven Techniques for Prediction of Defects in Automated Fiber Placement - Anderson, Harik Dosimetry and Temperature Monitoring of Seeds and Other Biological Materials During Space Flight Enabling Smart Automated Fiber Placement for Optimized Manufacturing by Means of Artificial Intelligence and Digital Twinning (Alex Brasington) Facile and Rapid Detection for Life Exploration in Space by Nanofluidic Electrophoretic Devices Flying Lens Spectrometer for Planetary Exploration Generic Data-Driven Framework via Physics-Informed Deep Learning Impacts of Gravity ton Propwise Condensation-Enhanced Heat Pipes Inspection Influenced Manufacturing: Characterization of an Automated Fiber Placement System - Godbold, Harik Kyle Lackey: Unraveling the Structure and Star Formation History of Po	43.007 43.RD	NNX17AF97A 10010966 10011028 T18-606016-USC U00026991 80NSSC20C0357 10011054 80NSSC20C0200 20200610/9456 20190664 2149-223-2023494 521383-MF-SC002 521383-RP-USC001 521253-USC 521383-UG-SC001 80NSSC20M0054 521340-SC003 521197-RP-SC003 521148-SC 521419-SC 521419-SC 521383-UG-SC002 80NSSC20M0054 521383-GRF-USC001 5212383-GRF-USC001	354,766	724,328 52,194 6,481 717 104,715 2,113 19,897 58 8,633 35,145 71,991 9,822 7,500 3,803 53,505 7,500 24,003 15,090 (738) 6,100 62,668 74,079 7,500 16,000 62,668
HICAM: Assess SOA NDE for Hi-rate Manufacturing Research Scientist in Automated Fiber Placement and Associate Technologies Passed through programs from: Advent Innovation Limited Company Damage Detection Using Two-Stage Compressive Sensing Ultrasonic Bessel Beams for Inspection of Multilayered Structures and Attenuative Material Systems Ultrasonic Energy Interaction with Composite Damage in Both Frequency and Time Domains Phase II: Damage Detection Using Two-Stage Compressive Sensing CFD Research Corporation An Intelligent Framework for Integrated State-consistent Aeroservoelstic Reduced Order Model Development and Control Synthesis An Intelligent Framework to Develop Adaptive Parametric Reduced Order Model Database for Aerostructural Control (CFDRC Project No. 9397) Clemson University Peroxide-Producing Microbial Fuel Cells for Space Life Support Systems Applications College of Charleston MIST 2021: The Bluford x Mae project Advanced Solid Oxide Electrolysis Cells to Support NASA's Planetary Exploration Missions Controls on Floodplain Circulation Defined by In Situ Observations, Numerical Simulations and Remote Sensing Development of Data Driven Techniques for Prediction of Defects in Automated Fiber Placement - Anderson, Harik Dosimetry and Temperature Monitoring of Seeds and Other Biological Materials During Space Flight Enabling Smart Automated Fiber Placement for Optimized Manufacturing by Means of Artificial Intelligence and Digital Twinning (Alex Brasington) Facile and Rapid Detection for Life Exploration in Space by Nanofluidic Electrophoretic Devices Flying Lens Spectrometer for Planetary Exploration Generic Data-Driven Framework via Physics-Informed Deep Learning Impacts of Gravity on Dropwise Condensation-Enhanced Heat Pipes Inspection Influenced Manufacturing: Characterization of an Automated Fiber Placement System - Godbold, Harik Kyle Lackey. Unraveling the Structure and Star Formation History of Polar Ring Galaxies Mini-REAP 2020: Developing Advanced Materials for NASA's Mars Oxygen Module	43.007 43.RD	NNX17AF97A 10010906 100110028 T18-606016-USC U00026991 80NSSC20C0357 10011054 80NSSC20C0200 20200610/9456 20190664 2149-223-2023494 521383-MS-SC002 521383-RP-USC001 521253-USC 521383-UG-SC001 80NSSC20M0054 521340-SC003 521419-SC 521383-UG-SC002 80NSSC20M0054 521383-UG-SC003 521418-SC 521383-UG-SC002 80NSSC20M0054 521383-UG-SC001	354,766	52,194 6,481 717 104,715 2,113 19,897 88 8,633 35,145 71,991 9,822 7,500 3,803 53,505 7,500 24,003 15,090 (738)) 6,100 62,668 74,079 7,500 16,000 6,320 9,419

Schedule of Expenditures of Federal Awards
For the year ended June 30, 2021

eral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditure
earch and Development Cluster, Continued				
ational Aeronautics & Space Administration, continued				
Passed through programs from, continued: College of Charleston, continued				
Mini-REAP 2020: Active Battery Material Coatings for Carbon Fibers	43.008	521179-RP-SC008		9,
Mini-REAP 2020: The Effects of Ionizing Radiation on Plant Germination	43.008	521179-RP-SC009 / NNX15AL49H		10,
MIST 2020: Controlling the Surface Roughness of Metals Printed Through Powder Bed Fusion	43.008	80NSSC20M0054 521383-MS-SC001		7,
Monitoring Marine Heatwaves along the US East coast using Satellite Observations and model simulations Oxygen Production from Carbon Dioxide to Support Planetary Exploration Missions	43.008 43.008	521340-SC004 521383-PA-SC001		2, 1,
REAP 2020: Finding Supernovae in Early Universe with JWST and HST	43.008	521383-RP-USC002		18
REAP 2020-21: Inverse Design of Lightweight 3D Full Carbon Network as High Capacity Energy Storage Materials	43.008	521179-RP-SC005		6
Robust Software Testing of Autonomous Aerospace Robotic Systems Using Transfer Learning	43.008	521340-SC001		1
SC Space Grant Consortium Graduate Research Fellowship: SAFE Space Suit: Adaptive and Sensing Garment (NASA Graduate				
Fellowship for Gabrielle Leith) Towards Real-time Online Validation of Additively Manufactured Metallic Components	43.008 43.008	521383-GRF-USC002 521179-RP-SC007 / NNX15AL49H		13
Global Technologies	45.008	3211/3-KF-3C00/ / NNX13AL43H		•
Operation-Aware ISHM for Environmental Control and Life Support in Deep Space Habitants	43.RD	NNX17CA31P		98
Jacobs Technology, Inc.				
Development of a TSA Process for CO2 Removal Using a Structured 13X Adsorbent: Part V	43.RD	PO# 19N0778		8:
NanoMEMS Research, LLC Plasmon-Plasmon Scattering Digital Logic	43.RD	U00027122		(
National Institute of Aerospace	43.ND	000027122		(
TC1 2C18: Progressive Damage Analysis	43.002	C16-2A38-USCAR		(
Rensselaer Polytechnic Institute				,
Reconciling Prebiotic Paradigms: Mapping Planetary Reality onto Experimental Strategies	43.001	A19-0117-S004/ PO286657		2
The DEEP Project: DEtecting Extraterrestrial Piezophiles in Ocean World Analogs	43.001	A18-0010-S001		1
Rochester Institute of Technology				
Investigating the Role of Pre-Shear and Pre-Stretching in the Transient Extensional Flow of Dilute Polymer Solutions: Modeling	42.002	24004.04		
Benchmarking and Numerical Simulations SC Research Foundation	43.003	31991-01		
Testing Dust Models at Moderate Redshift: Is the z=0.437 DLA toward 3C 196 Rich in Carbonaceous Dust?	43.RD	HST-GO-15092.002-A		
Skyre. Inc.	45.10	1151-GO-15052.002-A		
CO2 Electrochemical Concentration Technology Development	43.RD	U00027208		8
Develop and Apply Hydrophobic Coating to Cell Support Structures for Skyre Hydrogen Pump	43.RD	80NSSC19C0066		
Southeastern Universities Research Association				
Radiation Effects on Pollen, Seeds and Plants	43.RD	C2019-USCC-01		1
Space Telescope Science Institute LensWatch: Time Delay Measurement of a Multiply-Imaged Supernova	43.RD	HST-GO-16264.001-A		
Lenswatch: Time Delay Measurement of a Multiply-Imaged Supernova SALT3: Taking the Type Ia Supernova Cosmology Workhorse to Longer Wavelengths	43.RD 43.RD	HST-GO-16264.001-A HST-AR-15808.011-A		4
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The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the essential link to the baryon cycle	43.RD	HST-GO-15939.017-A		9
The Regents of the University of California				
Optimizing the WFIRST Type Supernova Survey	43.RD	A17-0899-S003-P0632067		7
Woods Hole Oceanographic Institution				
Elucidating Spatial and Temporal Variability in the Export and Attenuation of Ocean Primary Production using Thorium-234	43.001	23175500		
Total National Aeronautics & Space Administration			927,070	3,28
cional Endowment for the Humanities				
echnology, Listening and Labor: Music in New Hollywood Film (1968-1980)	45.160	FEL-262699-19		
IEH Fellowship: Shaking the Empire: Dadabhai Naoroji and the Birth of Indian Nationalism	45.160	FEL-262705-19		1
he Revolutionary Era Pinckney Statesmen of South Carolina, A Digital Documentary Edition: Phase 3	45.161	RQ-255751-17		4
he Revolutionary Era Pinckney Statesmen Of South Carolina: A Digital Documentary Edition – Stage 4 - Final	45.161	RQ-271137-20		7
volution in Digital Discourse: Toward a Computational Tool for Identifying Patterns of Language Change in Social Media	45.169	HAA-261240-18	-	1
Developing Training for and Establishing Partnerships between Community Health Workers and Medical Librarians for LGBTQIA+				
lealth Promotion	45.312	LG-246360-OLS-20		7
META 2: Furthering Our Understanding of the Economic Value of Public Library Services	45.312	LG-96-18-0240-18	•	5
assed through programs from: SC Department of Natural Resources				
SnowVision: A Machine Learning-Rased Image Processing Tool for the Study of Native American Paddle Designs	45 160		_	
SnowVision: A Machine Learning-Based Image Processing Tool for the Study of Native American Paddle Designs Total National Endowment for the Humanities	45.169	SCDNR FY2020-028		
SnowVision: A Machine Learning-Based Image Processing Tool for the Study of Native American Paddle Designs Total National Endowment for the Humanities	45.169	SCDNR FY2020-028		
Total National Endowment for the Humanities	45.169	SCDNR FY2020-028	-	
Total National Endowment for the Humanities clonal Science Foundation	45.169 47.041	SCDNR +Y2020-028	-	
Total National Endowment for the Humanities clonal Science Foundation INS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability	47.041	1508931	· ·	37
Total National Endowment for the Humanities ional Science Foundation INS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability INS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners	47.041 47.041	1508931 1510869	-	37
Total National Endowment for the Humanities tional Science Foundation INS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability INS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners OMREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry	47.041 47.041 47.041	1508931 1510869 1534260		3;
Total National Endowment for the Humanities clonal Science Foundation NS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability INS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners MREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry AREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters	47.041 47.041	1508931 1510869	· · · · · · · · · · · · · · · · · · ·	3;
Total National Endowment for the Humanities ional Science Foundation INS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability INS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners INREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a future Biorefining Industry AREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters MREF: Collaborative Research: Designing Optimal Nanoparticle Shapes and Ligand Parameters for Polymer-Grafted Nanoparticle	47.041 47.041 47.041 47.041	1508931 1510869 1534260 1553909	· · · · · · · · · · · · · · · · · · ·	37 3 10
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Total National Endowment for the Humanities clonal Science Foundation INS: Novel Probes to Quantify the Relative importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability INS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners WREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry AREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters MREF: Collaborative Research: Designing Optimal Nanoparticle Shapes and Ligand Parameters for Polymer-Grafted Nanoparticle Membranes AGER: Modulation of the Inflammatory Response for Accelerated Tissue Vascularization and Bone Regeneration	47.041 47.041 47.041 47.041 47.041	1508931 1510869 1534260 1553099 1629052 1631439		37 10
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Total National Endowment for the Humanities clional Science Foundation NS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability NS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners MREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry AREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters MREF: Collaborative Research: Designing Optimal Nanoparticle Shapes and Ligand Parameters for Polymer-Grafted Nanoparticle AGER: Modulation of the Inflammatory Response for Accelerated Tissue Vascularization and Bone Regeneration AREER: An All-Optical Plasmonic Device to Control and Coupled Quantum Dots for Optical and Quantum Information Processing EU STE: Collaborative Research: Integrated Academia-industry Research Experience for Undergraduate in Smart Structure	47.041 47.041 47.041 47.041 47.041 47.041 47.041	1508931 1510869 1534260 1553909 1629052 1631439 1652720	· · · · · · · · · · · · · · · · · · ·	37 10
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Total National Endowment for the Humanities tional Science Foundation INS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability INS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners WIMREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry AREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters MIMREF: Collaborative Research: Designing Optimal Nanoparticle Shapes and Ligand Parameters for Polymer-Grafted Nanoparticle Arembranes AGEE: Modulation of the Inflammatory Response for Accelerated Tissue Vascularization and Bone Regeneration AREER: An All-Optical Plasmonic Device to Control and Coupled Quantum Dots for Optical and Quantum Information Processing EU SITE: Collaborative Research: Integrated Academia-Industry Research Experience for Undergraduate in Smart Structure echnology (IAIRESST) usChEM: GOAL: Drinking Water Safety and Sustainability: Identifying Key Chemical Drivers of Toxicity for Long-Term Solutions in the	47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041	1508931 1510869 1534260 1553099 1629052 1631439 1652720		3; 10
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Total National Endowment for the Humanities tional Science Foundation JNS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability JNS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners OMREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry CAREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters JMREF: Collaborative Research: Designing Optimal Nanoparticle Shapes and Ligand Parameters for Polymer-Grafted Nanoparticle Membranes AGER: Modulation of the Inflammatory Response for Accelerated Tissue Vascularization and Bone Regeneration CAREER: An All-Optical Plasmonic Device to Control and Coupled Quantum Dots for Optical and Quantum Information Processing RUS 1ST: Collaborative Research: Integrated Academia-Industry Research Experience for Undergraduate in Smart Structure Fechnology (IAIRESST) JUSCHEM: GOALI: Drinking Water Safety and Sustainability: Identifying Key Chemical Drivers of Toxicity for Long-Term Solutions in the Justice States Minority Carriers in Graphene/Sic Schottky Emitter Bipolar Phototransistors for High Gain Visible Blind UV Detection An Integrated Framework for the Optimal Control of Vehicle-to-Grid Systems Type I: University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepreneurship Type: I. University of South Carolinal -Corps Site for Entrepr	47.041 47.041	1508931 1510869 1534260 1534260 1553909 1629052 1631439 1652720 1659507 1705206 1711322 1711767 1735728 1739886 1751926 1760906 1801284 1803189 1803189 1805307 1810116 1828055 1830512 1834638	-	37 31 10 6 6 3 10 8 8 8 11 14 8 5 6 6 5
Total National Endowment for the Humanities tional Science Foundation JNS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability JNS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners JNREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry ZAREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters JMREF: Collaborative Research: Designing Optimal Nanoparticle Shapes and Ligand Parameters for Polymer-Grafted Nanoparticle Membranes ZAGER: Modulation of the Inflammatory Response for Accelerated Tissue Vascularization and Bone Regeneration ZAREER: An All-Optical Plasmonic Device to Control and Coupled Quantum Dots for Optical and Quantum Information Processing REU STE: Collaborative Research: Integrated Academia-Industry Research Experience for Undergraduate in Smart Structure Technology (IAIRESST) SECOLEM: GOALL: Drinking Water Safety and Sustainability: Identifying Key Chemical Drivers of Toxicity for Long-Term Solutions in the Jointed States Joint Carriers in Graphene/SiC Schottky Emitter Bipolar Phototransistors for High Gain Visible Blind UV Detection An Integrated Eramework for the Optimal Control of Vehicle-to-Grid Systems Type I: University of South Carolina I-Corps Site for Entrepreneurship P.S: Medium: Collaborative Research: Enginst Coordinated Cyber and Physical Attacks: Unified Theory and Technologies ZAREER: Quantifying the Response of Rivers and Floodplains to Changes in Climate and Land Use novestigating the Balance of Passive and Active Mechanics in Vascular Remodeling: An Integrated Experimental and Computational Approach Fundamentals of a New All Solid-state Metal-air Redox Battery Operated on Oxide-ion Chemistry SOALI: Collaborative Research: Electrochemical CO2 Separation and Capture through Design of Carbonate-Selective Catalysts and no	47.041 47.041	1508931 1510869 1534260 1534260 1553909 1629052 1631439 1652720 1659507 1705206 1711322 1711767 1735728 1739886 1751926 1760906 1801284 1803189 1805307 1810116 1828055 1830512	-	8 8 11 14 8 5 6 6 5 5 17 7 7 4 6 6

deral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
search and Development Cluster, Continued				•
National Science Foundation, continued				
Understanding the Fundamental Mechanisms Governing Tensile Strength of High-Performance Small-Scale Carbon/Glass Fibers A New Class of Chemical Potential Driven Plug Flow Membrane Reactors for Combined Gas Separation and Direct Natural Gas	47.041	1915948	-	134,016
Conversion	47.041	1924095	-	55,995
Planning Grant: Engineering Research Center for Health Care Transformation (ERC-HCT)	47.041	1937107	-	14,483
Center for Rational Catalyst Synthesis (CeRCaS) I/UCRC Phase II Investigating the Barriers to Retention and Tenure for Black and Hispanic Engineering Faculty at R1 Institutions	47.041 47.041	1939876 2001724		133,240 109,185
I-Corps Proposal - Magnetic Nanoremediation of Crude Oil	47.041	2002629		5,802
CAREER: Understanding Interface-Mediated Deformation in Metallic Nanolayered Composites by Experimentally-Validated Multiscale Modeling				
•	47.041	2015598	•	12,580
Career Development Workshop and Forum: Spring Technical Meeting of the Eastern States Section of the Combustion Institute, 2020	47.041	2023772		4,000
Understanding the Role of Activated Oxygen Species in the Room Temperature Conversion of Methane to Methanol	47.041	2025709		31,667
Unraveling Hidden Physics in Multiphase Combustion: Preferential Vaporization at Elevated Pressure COVID-19 RAPID: Monitoring the Spatial Spread of COVID-19 through the Lens of Population Movement using Big Social Media Data	47.041 47.041	2028376 2028791		140,208 29,585
CAREER: Ultrasensitive Multiplex Nanopore Biosensing for Point-of-Care Testing of Infectious Diseases	47.041	2047503		23,612
Rapid Collaborative Proposal: Characterization, Quantification, and Transport of Incidental Nanomaterials from Wildland-Urban Fires				
in Surface Waters	47.041	2101983		11,770
I-Corps: Silver Nanoparticles For Elimination Of Fungal Toxins EPRI: On-demand Sweating-Boosted Air Cooled Heat-Pipe Condensers for Green Power Plants	47.041 47.041	2103610 CBET-1357920		10,172 (1,593
Cancer Stem Cell Mechanotransduction in Engineered Matrix	47.041	CBET-1403545		(4,880
Collaborative Research: Processing and Assembly of Devices with Tailored Magnetic Properties	47.041	CMMI-1436560		(1,49
SFSU Subcontract for REU SITE: Collaborative Research: Integrated Academia-Industry Research Experience for Undergraduate in Smart Structure Technology (IAIRESST)	47.041	524 0004		10.24
REU Site: Undergraduate Research in Physics at the University of South Carolina	47.049	S21-0004 1263047		18,34: (13,909
Collaborative Research: On the Origin of Atomic Layer Deposition Enhanced Activity and Stability of Nanostructured Cathodes for				, ,,,,,
Intermediate-temperature Solid Oxide Fuel Cells	47.049	1464112		62,78
CAREER: Well-Defined Hybrid Materials as a Versatile Tool to Study Energy Transfer Processes	47.049	1553634	-	139,729
CAREER: Mechanism of Cytochrome P450 Alkene Biosynthesis Molecular Dynamics with Nuclear Quantum Effects: Bridging Classical and Quantum Regimes	47.049 47.049	1555066 1565985	-	23,46 (13,31
Facial Amphiphilic Antimicrobials Biomaterials Containing Fused Multicyclic Structures	47.049	1608151	-	(27,56
Equilibrium Thermodynamics of Semiconductor Nanocrystal Ligand and Ion Exchange via Calorimetry	47.049	1613388	-	18,47
Neutrino-less Double-Beta Decay with CUORE and the MAJORANA DEMONSTRATOR Collaborative Research: Equipment for the PSI MUSE Experiment	47.049 47.049	1614611 1614773		43,83
Fractional PDEs and related nonlocal models: fast numerical methods, analysis, and application	47.049	1620194		55,10
Hybrid Computational Methods and Algorithms for Complex Biological Systems	47.049	1620212		11,56
CAREER: The Fundamental Principles of Modified Carbon Fiber Microelectrodes as Speciation Sensors	47.049 47.049	1654111		104,48
CAREER: Carborane Cluster Architectures Featuring Multiple Metal-Boron Interactions Plasma Discharge in Liquids: Understanding the Initiation and Formation Mechanisms of Non-Thermal Plasma in Dense Medium	47.049	1654301 1707282		110,10 120,03
Multidimensional Methods for Kinetics in Complex Materials	47.049	1707813		96,18
Collaborative Research: Fundamental Understanding of the Environmental Fate of Disinfection By-Products arising from Desalination				
Plants	47.049	1708461	-	32,85
Comprehensive Models of Non-Covalent Aromatic Interactions SusChem: In-situ oligomerization to immobilize contaminants in groundwater.	47.049 47.049	1709086 1709786		(9,45 (6,16
Nonlinear Approximation in Geometric, Harmonic and Anisotropic Settings with Applications	47.049	1714369		38,15
Collaborative Research: Efficient, Stable and Accurate Numerical Algorithms for a class of Gradient Flow Systems and their				
Applications	47.049 47.049	1720212	-	16,768
Optimal Convergence Rates for hp-Adaptivity CAREER: Multi-scale Modeling of Biological Gels by Coupling Langevin Equations and Fractional Viscoelastic Constitutive Models	47.049	1720297 1751339		31,039 81,55
CAREER: Tunable Isomorphic Architectures	47.049	1752615		99,770
Bifunctional Catalysts for Selective Hydrogenation of Biomass Derivatives: Furfural Hydrogenation over Pt-Sn Supported on Titania				
	47.049 47.049	1764164 1764192	48,469	99,09
Activation of C-H Bonds at Multinuclear Metal Sites New Lanthanide-Containing Silicate Floride Scintillators for Radiation Detection	47.049	1806279		120,59 147,31
General Strategies Toward Mechanically Robust Biobased Polymers and Composites	47.049	1806792		79,663
Collaborative Research: How magnetic nanoparticles organize in extreme force gradients	47.049	1808426		104,192
NSF-BSF: The Study of Nuclear Physics with Intermediate Energy Probes Collaborative Research: Computational Modeling of How Living Cells Utilize Liquid-Liquid Phase Separation to Organize Chemical	47.049	1812382	•	419,281
Compartments	47.049	1815921		55.609
Study on Localized Exponential Time Differencing Methods for Evolution Partial Differential Equations	47.049	1818438		82,73
Collaborative Research: Models, algorithms, simulations, and applications for two-phase ferrofluid flows in contact with a solid				
surface	47.049	1818783		39,84
MRI: Acquisition of a High Resolution, Quadrupole Mass Spectrometer to Enable Research and Education at the Interface of Chemistry and Biology	47.049	1828059		1.418
Understanding and Designing Novel Anode Materials for Solid Oxide Fuel Cells	47.049	1832809		67,510
Regularity and singularity formations in swarming and related fluid models	47.049	1853001		36,42
Mathematical Modeling, Computational and Experimental Investigation of the Dynamics of Heterogeneity in Breast Cancer	47.049	1853365		65,16
Spring School Series: Models and Data Exploring and Understanding the Effect of Cation- π Interactions in Asymmetric Catalysis	47.049 47.049	1855853 1856772		4,000 113,69
Collaborative Research: Mechanochemistry of Metallocenes	47.049	1904373		72,26
Functional Nanotubes from Self-Assembled Bis-Urea Macrocycles	47.049	1904386	-	121,41
EAGER: Thermal Materials Discovery via Deep Learning based High-Throughput Computational Screening Efficient Numerical Simulations of Oceanic Flows with Application to Coastal Modeling	47.049 47.049	1905775 1913073		142,20 53.71
Hybrid Multiscale Methods with Applications in Biomaterials and Bioengineering.	47.049	1913146		44,83
MRI: Acquisition of the NanoFrazor – a unique AFM-based nanolithography tool to support multidisciplinary research and promote				
nanoscience in South Carolina and beyond	47.049	1920117	-	(37,06
CAS: Collaborative Research: New Hybrid Catalysts for Sustainable Cross-Coupling Reactions: Using Atomic Layer Deposition to Immobilize and Enhance Molecular Catalysts				
Molecular dynamics with quantum nuclear effects: bridging the quantum and classical domains	47.049 47.049	1954850 1955768	-	72,825 146,110
Counting Curves Using the Topology of Moduli Spaces	47.049	2001565	-	56,624
Multidimensional and Nonlinear Kinetics in Complex Materials	47.049	2003619		79,912
Molecular rotors for studying transition state stabilization by non-covalent interactions Collaborative Research: The Circumgalactic Dictionary: An Interpretation Guide For Circumgalactic Medium Observations	47.049 47.049	2003889 2007538		80,359 26,612
Fulfilling the Atomic Physics Needs for Spectroscopic Diagnostics of Cosmic Chemical Evolution	47.049	2009811		21,082
State and Parameter Estimation: Variationally Stable Models and Physics-Informed Learning	47.049	2012469		14,81
Ligand exchange equilibrium at quantum dot surfaces in polar and aqueous solvent environments	47.049	2109064	-	610
Crystal Growth of Complex Luminescent Oxides Collaborative Research: Equipment for and Running of the PSI MUSE Experiment	47.049 47.049	DMR-1301757 PHY-1401974	-	(4,27: (27,334
Collaborative research: Equipment for and kunning of the PSI MOSE experiment Collaborative research: Does Dissolved Organic Matter Influence the Concentrations and Distributions of Trace Elements in the Arctic	47.043	14013/4	•	(27,334
Ocean?	47.050	1504137		(2,056
Collaborative Research: Geochemistry of IODP Site 1438 and West Philippine Basin Volcanic Rocks: Constraints on Subduction				
Initiation and the Early Development of the Izu-Bonin-Mariana (IBM) Arc	47.050	1537135	-	(18:
Collaborative Research: Generation of Internal Waves Due to the Scattering of Semidiurnal Hybrid Kelvin-edge Waves at Varying	47.055	4527440		
Continental Shelf Topography Collaborative Research: Building an International Component in the Aleutian-Alaska Primary Site through US Participation in Research	47.050	1537449	-	730
Collaborative Research: Building an International Component in the Aleutian-Alaska Primary Site through US Participation in Research Cruises of the German R/V Sonne	47.050	1551640		(4,967
Collaborative Research: Water Concentration and Distribution in the Oceanic Lithosphere	47.050	1624315	-	18,948
COLLABORATIVE RESEARCH: SAVANT: Stable Atmospheric Variability ANd Transport	47.050	1733746	-	59,332
Collaborative Research: US GEOTRACES PMT: Sources and Rates of Trace Element and Isotope Cycling Derived from the Radium				
Quartet.	47.050	1736321	-	8,91

ral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
arch and Development Cluster, Continued				
tional Science Foundation, continued	47.050	4725557	20.055	450
Groundwater Sources of "new" N for Benthic Microalgal Production in the South Atlantic Bight Collaborative Research: Investigating Initiation and History of the Aleutian Arc and Composition and Significance of North Pacific	47.050	1736557	20,856	163,8
eafloor via Dredge Samples from the R/V Sonne	47.050	1753518		7.9
ollaborative Research: Investigating the Fate of Carbon at an Ultraslow Spreading Center	47.050	1801036	-	103,9
ollaborative Research: High Frequency Hydroclimate Extremes and Synoptic Climate Drivers in Western North America at the End of				
e Little Ice Age Illaborative Research: Deployment of Laser Induced Breakdown Spectroscopy System from ROV Jason	47.050 47.050	1802018 1829327	•	44,5 64,2
ext Generation Ramen: Developing a Monolithic Spatial Heterodyne Spectrometer for Multi-Scale Chemical Mapping in Marine	47.050	1829327	•	64,.
vironments	47.050	1829333		170,6
ollaborative Research: Assessing the relative importance of small vs large particles as sources of nutrition to abyssal communities				
	47.050	1829519	•	99,0
ollaborative Research: Shark FEST - Fusing Eocene Shark Tracers: Paleoecology, Ocean Circulation, and Antarctic Glaciation with eochemistry and Climate Modeling	47.050	1010175		
ollaborative Research: Organic and Inorganic Geochemical Investigation of Hydrologic Change in East Antarctica in the 4 Million Years	47.050	1842176	•	59,
efore Full Glaciation	47.050	1908399		56
econvolving the Southern South American Pleistocene–Holocene Dust Production Pathways	47.050	1910510		11,
ollaborative Research: Characterization of Subduction Channel Processes, Borehole Sampling at Active Serpentinite Mud Volcanoes In the Mariana Forearc	47.050	4074554		
troux Oxide Cycling in the Arctic Ocean from Stable Isotopic and Concentration Data	47.050 47.050	1921654 1927755		14 31
nding hydrothermal chimneys along the Southern East Pacific Rise with machine learning approaches to AUV-based sonar data	47.050	2006265		4
stinguishing Sediment, Serpentinite, and Altered Oceanic Crust in the Source of Aleutian Volcanic Rocks Using Boron & Molybdenum	47.000	2050274		19
otopes oavailability of Arctic Soil Carbon: Examining the Relationship Between Chemical Composition and Lability During the Holocene	47.050 47.050	2050271 PLR-1417711		(3
New: SC-CAN: South Carolina's Wireless Communication and Airborne Networking Collaboratory	47.070	1513107	-	(14
VC SBE: Medium: Context-Aware Harassment Detection on Social Media	47.070	1513721		6
RI: Enhancing Mapping Capabilities of Underwater Caves using Robotic Assistive Technology EU Site: Applied Computational Robotics	47.070 47.070	1637876 1659514	•	11
TC: CORE: Small: Collaborative: Enabling Precise and Automated Insecurity Analysis of Middleware on Mobile Platforms	47.070	1815144	-	99
berinfrastructure Center of Expertise	47.070	1829698	23,542	98
&AS: FND: COLLAB: Planning Coordinated Event Observation for Structured Narratives	47.070	1849291		49
Ill: CPS: Algorithms and Methodologies for Real-Time Decision-Making of Mission-Critical Structures Experiencing High-Rate rnamics	47.070	4050040		
III: SaTC: A Malware-Inspired Approach to Mobile Application Repackaging and Tampering Detection	47.070 47.070	1850012 1850278	-	45
TC: CORE: Small: Collaborative: Enabling Precise and Automated Insecurity Analysis of Middleware on Mobile Platforms	47.070	1856380	-	5:
F:Small:A Unified Approach for Scheduling Computer Vision Dataflow Graphs	47.070	1910748	-	37
4S Core: Small: Software-Hardware Reconfigurable Systems for Mobile Millimeter-Wave Networks * Networking Infrastructure: Building a Science DMZ for Data-intensive Research and Computation at the University of South	47.070	1910853	-	110
rolina	47.070	1925484		133
TML: Small: Collaborative: A programming model and platform architecture for real-time machine learning for sub-second temporal	47.070	1523404		133
stems	47.070	1937535	-	7
llaborative Research: Integrating Physics and Generative Machine Learning Models for Inverse Materials Design	47.070	1940099		13
REER: Enabling Autonomy via Enhanced Situational Awareness for Underwater Roboticss	47.070	1943205	-	10-
TC: CORE: Small: Semantics-Oriented Binary Code Analysis Learning from Recent Advances in Deep Learning bokes: MEDIUM: MIDWEST: Collaborative: Community-Driven Data Engineering for Opioid and Substance Abuse in the Rural	47.070	1953073	•	1
idwest	47.070	1956009	_	6-
ollaborative Research: SHF: Medium: Machine Learning on the Edge for Real-Time Microsecond State Estimation of High-Rate				
ynamic Events	47.070	1956071		50
NS Core: Small: Collaborative Research: SmarSight: an Al-Based Computing Platform to Assist Blind and Visually Impaired People				
CDI Madione Colleboration December Hardware in the Lorentz December Associate / Configuration / December 1	47.070	2007202	-	40
CRI: Medium: Collaborative Research: Hardware-in-the-Loop and Remotely - Accessible / Configurable / Programmable Internet of nings (IoT) Testbeds	47.070	2016415		32
RI: Acquisition of Omnipercipient Chamber for Gathering Ground Truth and Enabling Research on Smart and Connected Things	47.070	2018966	-	4
RI: INT: COLLAB: Cooperative Underwater Structure Inspection and Mapping	47.070	2024741	-	6
EU Site: Applied Computational Robotics	47.070	2050896	-	4
DVID-19 RAPID: Automated discovery of COVID-19 related hypotheses using publicly available scientific literature MENSIONS: Links Between Spectral Irradiance and Cryptophyte Biodiversity in Environments from Ponds to Oceans	47.070 47.074	UDR0000011 1542555	-	29
utational Variance of the Transcriptome and the Origins of Phenotypic Plasticity	47.074	1556645	-	10
AREER: Revealing the Mechanisms that Determine How an Active DNA Transposable Element Impacts the Genome	47.074	1651666	-	11
REB: Long Term Studies of Salt Marsh Primary Production	47.074	1654853	-	12
entifying a New Circuit That Controls Feeding Behavior: Leptin and Serotonin Interactions	47.074 47.074	1656626 1755670	-	12
iBR: Living Stocks Support for the Peromyscus Genetic Stock Center rgeting of Salicylic Acid-Activated NPR1 by a Bacterial Type III Effector	47.074	1758994	-	5
le of miR156-targeted SQUAMOSA PROMOTER BINDING PROTEIN-LIKE transcription factors in floral transition	47.074	1947274	-	3
AGER: Novel approaches to study green leaf volatile perception	47.074	2051699	-	
egulation of Floral Growth and Patterning in Arabidopsis Thaliana randardized Goodness of Fit Assessment and Power Computations in Structural Equation Models	47.074 47.075	IOS-1354452 1659936	7,056	11
IE-RCUK: Diet, Migration, and Health in the Context of Medieval Mortality Crises	47.075	1722491	-	1
chnique Development for Caffeinated Beverage Identification	47.075	1724426	-	
ollaborative Research: Socio-Linguistic Analysis of Cross-Cultural Encounters and their Outcomes	47.075	1823665	-	6
U Site: Disparities in the Criminal Justice System	47.075	1851955	-	4
ollaborative Research: Decision Making on the U.S. District Courts: Building a Multi-User Database nance and the reshaping of the U.S. electricity system	47.075 47.075	1920991 1951102	-	2
IVID-19 RAPID: Development and deployment of a digital game to combat COVID-19 misconceptions	47.075	2030273		12
O-Scholar: Broadening undergraduate participation in the geosciences	47.076	1458416	-	9
ience Learning+: STEM Teens: Examining the Role of Youth Educators as Learners and Teachers in Informal STEM Learning Sites iiversity of South Carolina Science and Mathematics Teachers Initiative Phase 2 (USC-SMTI P2): Continuing to Improve Teacher	47.076	1647131	-	(
eparation & Retention	47.076	1660700	10,017	32
Illaborative Research: Mathematics Graduate Student Peer-Mentorship Program: Impact and Adaptability	47.076	1725295	-	13
ollaborative Research: Teacher Leadership (T-Lead): Investigating the Persistence and Trajectories of Noyce Master Teaching Fellows				
modulate research. Teacher seadership (1 sead). Intestigating the Constitute and Projections of Project Plaster reading remotes	47.076	1758438	-	6:
llaborative Research: Capacity Building: Building a Cybersecurity Pipeline through Experiential Virtual Labs and Workforce Alliances	47.076	1822567		14
illaborative: Multi-state Community College, University and Industry Collaboration to Prepare Learners for 21st Century IT Jobs	47.076	1902397	-	18
- Harris Pastides) LSAMP BD: University of South Carolina-Columbia, LS SCAMP	47.076	1906154	-	45
tegrating Scholarships, Academic Assistance, Professional Development, and Wellness to Increase Undergraduate Retention in Jeineering and Computing	47.076	1030402		4
igineering and Computing fluence of Inquiry Lab Development and Teaching on TA and Faculty Beliefs About Teaching	47.076 47.076	1930492 1933395	-	119
idging Pathways for the Preparation of Highly Qualified Mathematics and Science Teachers	47.076	1950204	-	3
acting a culturally-sustaining STEM Institute in the Gullah/Geechee Community in the Southeastern United States	47.076	2005810	-	8
ollaborative Research: College Mathematics Instructor Preparation Project	47.076	2020952	-	3
	47.076	DGE-1250052 DGE-1450810		9
ERT: Functional Nanomaterials for Sustainable Energy Solutions		PGF_1430010	-	
ERT: Functional Nanomaterials for Sustainable Energy Solutions SF Graduate Research Fellowship	47.076 47.076	DGE-2034711	-	×
ERT: Functional Nanomaterials for Sustainable Energy Solutions 5F Graduate Research Fellowship 5F Graduate Research Fellowship: Maina Handmaker		DGE-2034711 DUE-1439842		
IEBT: Functional Nanomaterials for Sustainable Energy Solutions 5F Graduate Research Fellowship 5F Graduate Research Fellowship: Maina Handmaker eveloping Master Teachers through the South Carolina Science and Mathematics Teacher Leaders (SC-SMTL) program 5F EPSCoR Research Infrastructure Improvement (RII) Track 1	47.076 47.076 47.079	DUE-1439842 OIA-1317771	-	25
SERT: Functional Nanomaterials for Sustainable Energy Solutions SF Graduate Research Fellowship : SF Graduate Research Fellowship: Maina Handmaker eveloping Master Teachers through the South Carolina Science and Mathematics Teacher Leaders (SC-SMTL) program SF EPSCOR Research Infrastructure Improvement (RIII) Track 1	47.076 47.076	DUE-1439842	-	87 257 (5 (3 (26

ederal grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
esearch and Development Cluster, Continued				
National Science Foundation, continued RII Track-4: Molecular Understanding of Salt-Induced Selective Aggregation and Selective Sorption of Dissolved Organic Matter to				
Natural Particles	47.083	1738340	-	35,147
RII Track-4: Using the cryopreservation and microfluidic technologies to engineer bottlenose dolphin ovarian function in vitro for testing marine contaminants female reproductive toxicity	47.083	1832910		4,332
26TH NSF EPSCoR NATIONAL CONFERENCE: Science and Partnerships Across Disciplinary Boundaries	47.083	1841103	-	12,087
NSF Convergence Accelerator: Symposium on Big Data & Al-Driven Disaster Management for Planning, Response, Recovery, and Resiliency	47.083	1956285		51,200
RII Track 1: Materials Assembly and Design Excellence in South Carolina: MADE in SC	47.083	OIA-1655740	2,158,795	3,522,595
RII Track-2 FEC-Genome to fitness: An analysis of the stress response in Peromyscus Passed through programs from:	47.083	OIA-1736150	376,581	1,022,413
Benedict College Targeted Infusion Project: Infusion of Active and Problem-Based Learning for Teaching and Research in the Context of				
Transportation Disruptive Technologies	47.076	20-88854	-	29,714
Clemson University Radioluminescent Particles for Optical Mission in Optogenetics	47.083	1876-206-2011576		16,212
Dartmouth College	47.003	1870-200-2011370		10,212
RII Track-2 FEC: Computational Methods and Autonomous Robotics Systems for Modeling and Predicting Harmful Cyanobacterial Blooms	47.083	R1303	-	102,665
Marine Biological Laboratory				,
LTER-Plum Island Ecosystems: Dynamics of Coastal Ecosystems in a Region of Rapid Climate Change, Sea-level Rise, and Human Impacts.	47.050	52684	-	42,176
Morgan State University	47.041	USC-183-02		49,325
Doping cubic boron nitride, an extreme material for power electronics and radiation detection NC State University	47.041	USC-183-UZ		
CNS Core: Small: Collaborative: Towards Surge-Resilient Hybrid RF/VLC Networks STEM Teens: Examining the Role of Youth Educators in Informal Science Learning Sites Evaluation Plan	47.070 47.076	2019-1232-01 2018-2113-01		298 33,896
Occidental College				
Statistical Modeling (Spatial-Temporal Data Analysis) of the Obesity Epidemic in Lowcountry of South Carolina SC State University	47.049	OXY-CURM0041	-	5,077
SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful STEM Pathways	47.076	18-581065-SCAMP-USC-SC	-	2,400
The Ohio State University HazardSEES: Social and Physical Sensing Enabled Decision Support for Disaster Management and Response	47.050	60073475	-	38,948
Trustees of Princeton University	47.041	EFMA 2029425 SUB0000427		29,147
Non-equilibrium misty plasma discharge and reactors for natural gas conversion to liquid products University Corporation for Atmospheric Research	47.041	EFMA 2029425 SUB0000427		25,147
Teresa Norman- NCAR Fellowship: Understanding the physical and cultural impacts of climate change and adaptation science and				
policy on non-traditional forms of housing and land tenure among African American coastal communities in the US South.	47.050	SUBAWD001569	-	5,679
Teresa Norman- UCAR Fellowship: Understanding the physical and cultural impacts of climate change and adaptation science and				
policy on non-traditional forms of housing and land tenure among African American coastal communities in the US South.	47.050	AGS-1755088 SUBAWD002259	-	50,791
University of Georgia LTER: Georgia Coastal Ecosystems IV	47.050	SUB00001914	-	24,769
Coupled Long-Term Impacts of Uneven Racial Development, Exurban Growth, and Sea-Level Rise on Land-Use in Coastal Georgia				
University of Puerto Rico	47.075	SUB00002229	•	25,864
RII Track-2 FEC: Center for a Sustainable Water, Energy, and Food Nexus (SusWEF) University of Texas at San Antonio	47.083	2016-2017-003	-	213,260
OAC Core: Small: Devising Data-driven and Formal Methodologies by Employing Large-scale Empirical Data to Fingerprint,				
Attribute, Remediate and Analyze Internet-scale IoT Maliciousness University of the Pacific	47.070	1000003083	-	3,464
RAPID: Teaching Field Geology Without Classes in the Field: Providing a Robust Educational Experience Through Digital Resources				
University of Wisconsin-Madison	47.050	2029920- 01	-	7,584
COVID-19 Response to COVID-19 Field Research and Education Disruptions: Creating Virtual Field Experiences in Coastal and Estuarine Science	47.050	0000000040		40.705
Villanova University	47.050	000000848	-	13,725
Collaborative Research: RUI: The Influence of Mangrove Invasion and Rising Temperatures on Belowground Processes in Coastal Ecosystems	47.074	525874		84,792
Total National Science Foundation	47.074	323074	2,661,921	16,355,764
US Department of Veterans Affairs				
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System	64.RD	36C24720P0271/544C05109/544C15081	-	9,116
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility	64.RD 64.RD 64.RD	36C24720P0271/544C05109/544C15081 36C24720P1216/544D07011/544D17108 36C24E19D0025	-	16,017
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center	64.RD 64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E20D0009	- - -	16,017 14,391 70,855
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center	64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E19D0025		16,017 14,391
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services	64.RD 64.RD 64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E20D0009 544D87012/VA-247-17-P-2248	: : : : : :	16,017 14,391 70,855 5,347 23,107
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs	64.RD 64.RD 64.RD 64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E1900029 36C24E2000009 54D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181	: : : : :	16,017 14,391 70,855 5,347 23,107
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of WMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments	64.RD 64.RD 64.RD 64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E2D0009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181	: : : : :	16,017 14,391 70,855 5,347 23,107 138,833
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from:	64.RD 64.RD 64.RD 64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E1900029 36C24E2000009 54D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181	: : : : : : :	16,017 14,391 70,855 5,347 23,107 138,833
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of WMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation	64.RD 64.RD 64.RD 64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E2D0009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181	: : : : : :	16,017 14,391 70,855 5,347 23,107 138,833
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (ACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildliffe Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity	64.RD 64.RD 64.RD 64.RD 64.RD	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E2D0009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181	: : : : : : : : : : : : : : : : : : : :	16,017 14,391 70,855 5,347 23,107 138,833
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Value) (Rodent Val	64.RD 64.RD 64.RD 64.RD 64.RD 66.RD 66.516	36C24720P1216/544D07011/544D17108 36C24E1900025 36C24E2000009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601	:	16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of WMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity	64.RD 64.RD 64.RD 64.RD 64.RD 66.RD 66.S16	36C24720P1216/544D07011/544D17108 36C24E1900025 36C24E200025 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601	:	16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (ACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildliffe Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental EJ Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency	64.RD 64.RD 64.RD 64.RD 64.RD 66.RD 66.516	36C24720P1216/544D07011/544D17108 36C24E1900025 36C24E2000009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601	- - - - - - - - - - - - - - - - - - -	16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement Rodent Protection Agency (Rodent Rodent Protection Agency (Rodent Rodent Roden	64.RD 64.RD 64.RD 64.RD 64.RD 66.S16 66.S16 66.312	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E2D0025 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (RODEN Procurement and Husbandry for Dorn VA Medical Center (RODEN Procurement and Husbandry for Dorn VA Medical Center (RODEN Procurement and Husbandry for Dorn VA Medical Center (RODEN Procurement Procurement and Husbandry for Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildliffe Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong; Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission	64.RD 64.RD 64.RD 64.RD 64.RD 65.S16 66.316	36C24720P1216/544D07011/544D17108 36C24E1900025 36C24E200009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0820P0302 83996601 19172 EQ-1-680		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildliffe Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental E.I Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission	64.RD 64.RD 64.RD 64.RD 64.RD 66.S16 66.S16 66.312	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E2D0025 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003	-	16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task)	64.RD 64.RD 64.RD 64.RD 64.RD 66.S16 66.S16 66.312 77.RD 77.008	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E2D00099 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0010073		16,017 14,319 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (RODEN Procurement and Husbandry for Dorn VA Medical Center (RODEN Procurement and Husbandry for Dorn VA Medical Center (RODEN Procurement and Husbandry for Dorn VA Medical Center (Procurement and Husbandry for Dorn VA Medical Center (Procurement and Husbandry For Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildliffe Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong; Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task) Research in Neutrinoless Double-Beta Decay	64.RD 64.RD 64.RD 64.RD 64.RD 65.S16 66.436 66.312 77.RD 77.008	36C24720P1216/544D07011/544D17108 36C24E1090025 36C24E200009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0012612		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center IACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Bravor Physics at the Intensity Frontier (Neutrino Task) Research in Neutrinoless Double-Beta Decay Center for Hierarchical Waste Form Materials (CHWM) Research in Neutrinoless Double-Beta Decay	64.RD 64.RD 64.RD 64.RD 64.RD 66.S16 66.S16 66.312 77.RD 77.008	36C24720P1216/544D07011/544D17108 36C24E1090025 36C24E200009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0010073 DESC0012612 DESC0016574 DE-SC0018606		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603 145,004 13,211 1,714,636 48,502
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (ACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task) Research in Neutrinoless Double-Beta Decay Center for Hierarchical Waste Form Materials (CHWM)	64.RD 64.RD 64.RD 64.RD 64.RD 66.S16 66.S16 66.312 77.RD 77.008	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E19D0025 34D87012/VA-247-17-P-2248 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0010073 DESC0012612 DESC0015674		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603 145,004 13,211 1,714,636 48,502
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (ACUC Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task) Research in Neutrinoless Double-Beta Decay Center for Hierarchical Waste Form Materials (CHWM) Research in Neutrinoless Double-Beta Decay Using Crystallization to Control Filler Dispersion and Vice Versa in Polymer Nanocomposites Crystal Growth of New Complex Actinide Containing Oxides, Fluorides and Chalcogenides and the Investigation of their Optical and Magnetic Properties	64.RD 64.RD 64.RD 64.RD 64.RD 66.S16 66.S16 66.312 77.RD 77.008	36C24720P1216/544D07011/544D17108 36C24E1090025 36C24E200009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0010073 DESC0012612 DESC0016574 DE-SC0018606		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (RODEN Provision of WJO Services to the Dorn VA Medical Center (RODEN Provision of WJO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Widliffe Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task) Research in Neutrinoless Double-Beta Decay Using Crystallization to Control Filler Dispersion and Vice Versa in Polymer Nanocomposites Crystal Growth of New Complex Actinide Containing Oxides, Fluorides and Chalcogenides and the Investigation of their Optical and	64.RD 64.RD 64.RD 64.RD 64.RD 66.516 66.516 77.RD 77.008 81.049 81.049 81.049 81.049 81.049	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E19D0025 36C4E19D0025 34D87012/VA-247-17-P-2248 544D87012/VA-247-17-P-2248 544D87000 / 36C24719P0181 68HE0820P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0010673 DESC0012612 DESC0016574 DE-SC0018050 DE-SC0018135 DE-SC0018739		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603 145,004 13,211 1,714,636 48,502 127,042
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (IACUC) Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Muclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task) Research in Neutrinoless Double-Beta Decay Center for Hierarchical Waste Form Materials (CHWM) Research in Neutrinoless Double-Beta Decay Using Crystallization to Control Filler Dispersion and Vice Versa in Polymer Nanocomposites Crystal Growth of New Complex Actining Oxides, Fluorides and Chalcogenides and the Investigation of their Optical and Magnetic Properties Directed Synthesis of New Uranium Containing Materials: The Use of Functional Building Blocks as Synthetic Tools Coupled with Targeted Crystal Growth Methods to Create New Complex U(VI), U(VI) and U(III) Containing Materials	64.RD 64.RD 64.RD 64.RD 64.RD 66.S16 66.S16 66.312 77.RD 77.008 81.049 81.049 81.049 81.049 81.049	36C24720P1216/544D07011/544D17108 36C24E1090025 36C24E200009 544D87012/VA-247-17-P-2248 544D07000 / 36C24719P0181 68HE0B20P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0010073 DESC0012612 DESC0012674 DE-SC0018739 DE-SC0018739 DE-SC0018739		16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603 145,004 13,211 1,714,636 48,502 127,042 1,139 186,103
Research statistical, data management, grant proposal and educational support for the Columbia VA Health Care System Institutional Animal Care & Use Committee (IACUC) Program Support Assistant Services for WJB Dorn VA Animal Facility Swine Procurement, Husbandry, and Maintenance for Dorn VA Medical Center Rodent Procurement and Husbandry for Dorn VA Medical Center (Rodent Procurement and Husbandry for Dorn VA Medical Center (ACUC) Program Support - Administrative Services Provision of VMO Services to the Dorn VA Medical Center (2019) Total US Department of Veterans Affairs US Environmental Protection Agency Chemical Analysis to Support Health Assessments Green plasma technology for siloxane removal and landfill gas upgrade Passed through programs from: Florida Fish & Wildlife Conservation Characterization of the microbiome of corals with Stony Coral Tissue Loss Disease through space and time: antimicrobial activity SC Department of Health & Environmental El Strong: Strengthening Communities for Disaster Risk Reduction, Response and Recovery in South Carolina Total US Environmental Protection Agency US Nuclear Regulatory Commission Experimental Testing and Evaluation of Boral Performance in Spent Fuel Storage and Transportation University of South Carolina Excellence in Nuclear Engineering Fellowship Program Total US Nuclear Regulatory Commission US Department of Energy Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task) Research in Neutrinoless Double-Beta Decay Using Crystallization to Control Filler Dispersion and Vice Versa in Polymer Nanocomposites Crystal Growth of New Complex Actinide Containing Oxides, Fluorides and Chalcogenides and the Investigation of their Optical and Magnetic Properties Directed Synthesis of New Uranium Containing Materials: The Use of Functional Building Blocks as Synthetic Tools Coupled with Targeted Crystal Growth Methods to Create New Complex U(VI), U(VI) and U(III) Containing Materials	64.RD 64.RD 64.RD 64.RD 64.RD 66.516 66.516 77.RD 77.008 81.049 81.049 81.049 81.049 81.049	36C24720P1216/544D07011/544D17108 36C24E19D0025 36C24E19D0025 36C4E19D0025 34D87012/VA-247-17-P-2248 544D87012/VA-247-17-P-2248 544D87000 / 36C24719P0181 68HE0820P0302 83996601 19172 EQ-1-680 31310018C0003 NRC-HQ-84-15-G-0022 DE-SC0010673 DESC0012612 DESC0016574 DE-SC0018050 DE-SC0018135 DE-SC0018739	701,705	16,017 14,391 70,855 5,347 23,107 138,833 6,998 8,430 821 6,998 23,247 53,275 29,328 82,603 145,004 13,211 1,714,636 48,502 127,042

al grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditu
urch and Development Cluster, Continued				
Department of Energy, continued later screen and the mechanisms for multiscale ion transport in functional electrolytes and for the radical				
eneration in crystalline assemblies	81.049	DE-SC0020272	_	25
undamental Neutron Physics: Theory and Analysis	81.049	DE-SC0020687	-	7
reating Novel Gas Separation Constructs by Manipulating Free-Volume Distributions in Polymer-Grafted Nanoparticles	81.049	DE-SC0021252	-	. 4
rienting Strained Interfaces designed to Direct Energy Flow Multifunctional Isostructural Bilayer Oxygen Evolution Electrode for Durable Intermediate-Temperature Electrochemical Water	81.049	DE-SC0021363	•	19
Multifunctional isostructural bilayer oxygen evolution electrode for burable intermediate-remperature electrochemical water Nitting	81.087	DE-EE0008842	46,662	1
olymer products from lignin through de-aromatization and COOH functionalization	81.087	DE-EE0008842 DE-EE0008912	36,686	1
eveloping Accelerated Test Protocols and Tuning Microstructures of the Common Materials to Improve Robustness, Reliability, and				
ndurance of SOFC Cells	81.089	DE-FE0026097	174,448	1
ost-effective, Thin-film SOFCs for Reliable Power Generation	81.089	DE-FE0031670	22,457	1
Transformational Natural Gas Fueled Dynamic SOFC for Data Center In-Rack Power iethane Partial Oxidation over Multifunctional 2-D Materials	81.089 81.089	DE-FE0031671 DE-FE0031878 20FE002223	245,827	4
DI 2: Modularization of Ceramic Hollow Fiber Membrane Technology for Air Separation	81.089	ED-FE0031473	243,827	1
ultipurpose, Radiation- and Temperature-Resistant Semiconductor Radiation Detectors for Advanced Process Monitoring and				-
uclear Safeguards	81.121	DE-NE0008662		1
ovel NDE Sensors, Waveforms, Models, and Algorithms for Cable Health Monitoring	81.121	DE-NE0008663		1
evelopment of Multi-Axial Failure Criteria for Nuclear Grade SiCf-SiCm Composites	81.121	DE-NE0008792	22,424	1
emote Laser Based Nondestructive Evaluation for Post Irradiation Examination of ATF Cladding Igineered composite patch with NDE inspection for repair and mitigation of SCC in nuclear spent fuel dry storage canister	81.121 81.121	DE-NE0008894 DE-NE0008959		:
tension of MSTDB to Provide a High-Quality, Validated Thermochemical Database for Predicting/Simulating Corrosion in Molten Salt	01.121	DE-NE0008333		
eactor Systems	81.121	DE-NE0008985		1
evelopment of Next-Generation Heat Exchangers for Hybrid Power Generation	81.135	DE-AR0000958		-
uth Carolina Institute of Archaeology and Anthropology/Savannah River Archaeological Research Program Cooperative Agreement:				
nited States Department of Energy for FY2019 - FY2023	81.214	DE-EM0005182	-	8
ompact Catalytic Membrane Reactor for One-Step High-Efficiency Ammonia Synthesis at Moderate Temperatures and Pressures	81.RD	10010963	-	
ssed through programs from: Advent Innovations				
Advent Innovations PVDF-Film for Robust Online Assessment of Composite Tanks (PROACT)	81.049	U00026745	-	
Alliance for Sustainable Energy, LLC	01.045	00020743		
A 1D Mathematical Model for Lithium Polysulfide (PS) Management in Lithium Sulfur Batteries	81.RD	SUB-2019-10013	-	
Modeling and Simulation of Automated Mobility Districts	81.RD	XGZ-9-92299-01	-	
American Institute of Chemical Engineers Readman Development for RANID, Interestified Recess Fundamentals	81.087	DF-FF0007888		
Roadmap Development for RAPID. Intensified Process Fundamentals Ames Laboratory	81.08/	DE-EE000/888	•	
Institute for Cooperative Upcycling of Plastics (iCOUP)	81.049	DE-AC02-07CH11358	-	:
Statement of Work for Institute for Cooperative Catalysis in Upcycling of Polymers (iCOUP)	81.RD	SC-19-490		
Arizona State University				
High Temperature Ceramic-Carbonate Dual-Phase Membrane Reactor for Pre-Combustion Carbon Dioxide Capture	81.089	ASUB00000221 JP	•	
Battelle Energy Alliance, LLC Aluminum-Clad Spent Nuclear Fuel Management	81.RD	207046		:
Catalysts Development for Water Splitting Reactions using Solid Oxide Electrolysis Cells (SOECs)	81.RD	216845		
Development of Perovskite Fuel Electrode for Solid Oxide Cells	81.RD	237171		
Materials Development for Proton-Conducting Solid Oxide Electrolysis Cells	81.121	233438	-	
Chemtronergy, LLC	04.435	2020.02		
Cost-effective, Intermediate-temperature Fuel Cell for Carbon-free Power Generation Clemson University	81.135	2020-03	-	
Em-Enhanced HyPOR Loop for Fast Fusion Fuel Cycles	81.135	2288-219-2014490 / DE-AR0001376		
Radionuclide Waste Disposal: Development of Multi-scale Experimental and Modeling Capabilities	81.049	1750-219-2020199		
Compact Membrane Systems, Inc.				
DOE Phase II: Integrated Membrane Reactor for Enhancing Thermal & Chemical Reactors	81.049	U00027029	-	:
Enhanced Oxidative Dehydrogenation of Ethane with Facilitated Transport Membranes for Low Cost Production of Ethylene Edison Welding Institute	81.049	U00027093	-	
Machine Learning Enhanced Understanding of Functional Gradient Materials Enabled by Direct Energy Deposition	81.086	58536GTH / PO#219253		
Fermi Research Alliance, LLC				
Operations of the NOvA Experiment at Fermilab, and the Study of Coherent Pion Productions Using the NOvA Near Detector Data				
	81.RD	668850	-	
General Atomics		4500004470		
Advanced Characterization and Modeling of Larger Length Accident Tolerant SiC Composite Cladding Response of SiC composite plates during edge-on collision	81.121 81.121	4500084479 PO# 4500086321		:
Georgia Institute of Technology	01.121	10# 4300080321		
High-Performance AEM LTE with Advanced Membranes, lonomers and PGM-Free Electrodes	81.087	AWD-000605-G1/PO#_5070026		
Greenway Energy, LLC				
Subcontract Response to DE-FOA-0001647: High temperature reactor catalyst material development for low cost and efficient				
solar driven sulfur-based processes	81.087	15510FC99	•	
Michigan State University Degradation and Performance Studies of ALD Stabilized Cathodes	81.089	RC107812-USC		
Missouri State University	01.005	NC107812-03C		
Multimodal Approach to Modeling Creep Deformation in NI-Base Superalloys	81.089	18018-3		
Pacific Northwest National Laboratory				
Proposed Statement of Work, University of South Carolina, Thrust 1, Project 1 LDRD award: 73950 SPP Discovering				
Thermomechanical Pathways Phase 2	81.RD	536580	-	
University of South Carolina subcontract in support of Thrust 1, Project 1 associated with LDRD award: 73950 SPP, Discovering Thermomechanical Pathways.	81.RD	462396		
RAPID Manufacturing Institute	01.ND	402330	•	
MFES for High throughput Modular Process Intensified Gas Separation and Ion Exchange	81.087	DE-EE0007888-08.4		
Modular Catalytic Partial Oxidation Reactors Using Microstructured Catalyst Structures With Combined High Thermal Conductivity				
And Flame Extinction Capacity To Enhance Process Safety Margins And Enable High Per Pass Conversion And High Selectivity Of				
And Flame Extinction Capacity to Emilance Process Safety Margins And Enable right Fer Fass Conversion And right Selectivity of	81.087	DE-EE0007888-085.9		
Rensselaer Polytechnic Institute				
A Novel Hollow Fiber Membrane Reactor for High Purity H2 Generation from Thermal Catalytic NH3 Decomposition	81.135	A121888	-	
Deposition Tailor-made Size-sieving Sorbents for Post-combustion CO2 Capture Sandia National Laboratory	81.089	A20-0008-S001	-	:
oandia National Laboratory ORS Domestic: University of South Carolina (Site ID 9396): Cesium Irradiator Replacement Program (CIRP)	81.RD	2161873		
Savannah River Laboratory				
A Unified Machine Learning Framework for Corrosion Surveillance and Quality Control in Additive Manufacturing	81.RD	G-SOW-A-02194	-	
Accurate and Efficient Qualification and Acceptance Protocol for Additively Manufactured Alloys	81.RD	G-SOW-A-02254/0000518117	-	
Al Glass Composition	81.RD	G-SOW-A-02235	-	
Component Development for Alkaline URFCs (Pre-Req 2019-000227) Critical Element Biomining: SOW 0000552644 to LDRD-2021-00108	81.RD 81.RD	G-SOW-A-02197 PRE-PEO-2020-00417	-	
Critical Element Biomining: SOW 0000552644 to LDRD-2021-00108 Directed Electromagnetic Thermocatalysis for Selective Conversion of Waste Plastic to High Value Intermediates	81.RD 81.RD	PRE-REQ-2020-00417 DE-AC09-08SR22470		
Extremely Durable Graphene Oxide Nanoribbon Reinforced Concrete	81.RD	G-SOW-A-00033		
Improvements to the ALGE Aqueous Contaminant Transport Model	81.RD	DE-AC09-08SR22470-G-SOW-A-02238		
Modeling of Electrolytic Dissolution	81.RD	TOA NUMBER 0000455572	-	
Modification and Characterization of Gold Nanostructures	81.RD	0000472434	-	
Oxyhydroxides Formation Studies and Removal Practices (Pre-req 2018-0000027) G-SOW-A-02125	81.RD	G-SOW-A-02125 0000389067	-	
Subcontract for DOE-SR Public Reading Room at the University of South Carolina Aiken Thermocatalytic Depolymerization of Mixed Plastic	81.RD 81.RD	0000389067 G-SOW-W-00049		
		- JUTY-TY-00043		

eral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
earch and Development Cluster, Continued				
Department of Energy, continued				
Passed through programs from, continued: SC Research Foundation				
DIRC-based PID for the EIC Central Detector	81.RD	218624		22,6
DOE Nuclear Engineering Scholarship and Fellowship Program at USC	81.121	DE-NE0000095		50,4
Science and Technology Enrichment Program (STEP)	81.RD	0000360508	-	57,3
Theoretical Investigation of Heterogeneous Catalysis at the Solid Liquid Interface for the Conversion of Lignocellulosic Biomass Model Molecules	81.049	DE-SC0007167		86,3
SC Universities Research & Education Foundation	01.043	BE 360007107		00,5.
Earthquake Monitoring in South Carolina	81.RD	B139035 TO# 318418	-	81,8
Management of Nuclear Nonproliferation International Safeguards Graduate Fellowship Program (NNIS)	81.RD 81.RD	B139039 G-SOW-A-02144 DOE001	•	420,3
Nuclear Energy Advisory Committee (NEAC) Nuclear Energy Advisory Committee (NEAC)	81.RD	GS-10F-053AA PMIS III		(6,0
Nuclear Energy Advisory Committee (NEAC)	81.RD	PMISIII		25,4
Rickover Fellowship Program in Nuclear Engineering	81.121	NRLF003	-	(5,
Rickover Fellowship Program in Nuclear Engineering	81.121	NRLF004		760,
Savannah River Environmental Sciences and Engineering Field Station 2020-21 Savannah River Environmental Sciences and Engineering Field Station 2021-22	81.RD 81.RD	B139040 G-SOW-A-02203 B139041	180,100	339, 106,
Savannah River Environmental Sciences Field Station 2019-2020	81.RD	B139038	-	(
Special Power Sources, LLC				
Next Generation Durable, Cost Effective, Energy Efficient Tubular SOFC SRS Community Reuse Organization	81.089	SPS-USC-08012020	•	104,
USC Aiken's Workforce Opportunities in Regional Careers (WORC)	81.104	DF-FM0004214		321,
Workforce Opportunities in Regional Careers II (WORC II)	81.104	DE-EM0005210		123,
Workforce Opportunities in Regional Careers (WORC I) Renewal	81.104	DE-EM0005227	-	12,
The Pennsylvania State University				
Novel Anion Exchange Membranes for High-Performance Fuel Cell Devices The University of Nebraska-Lincoln	81.087	5972-USC-DOE-8433	•	98,
Online Monitoring System for Concrete Structures Affected by Alkali-Silica Reaction (ASR)	81.121	25-1120-0014-002		17,
Triad National Security, LLC				
Catalyst and Support Development	81.RD	600060	-	51
Development of Thermodynamic Databases for Molten Salts	81.RD	598942	-	141,
University of Connecticut in situ Measurement and Validation of Uranium Molten Salt Properties at Operationally Relevant Temperatures	81.121	5649590/317162		108
Utah State University	01.121	3043330/31/102		100,
Separate Effects Tests and Modeling of Fuel Fracture and Cladding Rupture	81.121	200658-343	-	232
UT-Battelle, LLC				
Cellular Automata Simulation Models for Non-equilibrium Solidification for The Metal Additive Manufacturing (AM) Process Database Development and Modeling of Fuel-Fission Products in High Burnup Systems	81.RD 81.RD	4000171122 4000137480	-	39,
Framework for a Molten Salt Reactor Thermochemical Database, Formalisms, and Tabulated Systems of Interest	81.RD	4000137480		(24 1
Vanderbilt University				_
High-dimensional Data-driven Energy Optimization for Multi-Modal Transit Agencies (HD-EMMA)	81.086	UNIV60730	-	28
Westinghouse Electric Company, LLC	04.404	4500702554		24.4
Failure Mechanisms of ATF under PCMI and PCCI with U3Si2 Fuel and SiC Composite Cladding Total US Department of Energy	81.121	4500793651	1,433,885	12,138
ion of permitter of the system			1,433,003	12,150,
Department of Education				
Application for Grants under the Centers for International Business (CIBE) Program (CFDA NUMBER: 84.220A) Funding Opportunity				
lumber: ED-GRANTS-060314-001	84.220	P220A180009	-	108
A Psychometric Investigation of Universal Screening for Social-Emotional Development in Preschool Using Parent and Teacher				
nformants	84.305	R305A150152	14,070	197
forphological Awareness Test for Reading and Spelling (MATRS)	84.305	R305A170065	946	194
nvestigating Psychometric Properties of BASC-3 Flex Progress Monitoring Forms with Preschool Students roject IMPACT: Improving the Mental Health of Students with Emotional and Behavioral Disorders by Preparing School Counselors	84.324	R324A190066	-	112,
nd Special Education Teachers to Collaborate on an Interdisciplinary Team	84.325	H325K190074		278,
Total US Department of Education	04.323	H323K190074	15,016	891,
ional Archives & Records Administration				
he Revolutionary Era Pinckney Statesmen of South Carolina: A Digital Documentary Edition HE REVOLUTIONARY ERA PINCKNEY STATESMEN OF SOUTH CAROLINA: FINAL STAGE	89.003 89.003	PE-102746-19 PE-103003-20	•	12, 79,
Total National Archives & Records Administration	89.003	PE-103003-20		92
Total National Activities & Activities Activities and Activities a			·	
Department of Health & Human Services				
oordinating Center for Research to Promote the Health of Children with Birth Defects and People with Developmental and Other				
isabilities	93.073	5U19DD001218-03-00	1,243,350	1,518,
steractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and	93.113	FD04FF000040 40 00		
coase and Davidanment of Draventian Strategies to Botter Protect Bublic Health ADMINI CORE				
		5P01ES028942-02	51,111	69,
teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and				
teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and isease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE	93.113	5P01ES028942-03	51,111 270,509	
teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and sease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and sease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE	93.113 93.113	5P01ES028942-03 5P01ES028942-04		1,149
teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and isease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and isease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE oligenetic mechanisms in Transgenerational Effects of an Environmental Pollutant	93.113 93.113 93.113	5P01ES028942-03 5P01ES028942-04 5R01ES030144-02	270,509 - -	1,149, 457,
teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and sease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and sease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE oligenetic mechanisms in Transgenerational Effects of an Environmental Pollutant entifying Genetic Loci Associated with Neuroristopathies using the Deer Mouse, Peromyscus maniculatus	93.113 93.113	5P01ES028942-03 5P01ES028942-04		1,149 457
teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and sease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE teractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and isease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE signerational Effects of an Environmental Pollutant entitying Genetic Loci Associated with Neurocristopathies using the Deer Mouse, Peromyscus maniculatus SC PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center	93.113 93.113 93.113 93.121	5P01ES028942-04 5P01ES028942-04 5R01ES030144-02 1R03DE028371-01A1	270,509 - - 20,177	1,149, 457, 109,
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iteractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and blease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE iteractions of Climate Change on Oceans and Human Health (CAPICCOHH): Assessment of Effects on Ocean Health Related Illness and bisease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE pignentic mechanisms in Transgenerational Effects of an Environmental Pollutant genetic and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) ISC PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) ISC PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) Isc PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) Isc PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) Isc PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) Isc PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) Isc PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center ore) Isc PRC Center and Core Research Project: National Implementation Study of Mechanisms. Isc Project National Na	93.113 93.113 93.113 93.121 93.135 93.155 93.175 93.172 93.173	5P01ES028942-04 5P01ES028942-04 5R01ES030144-02 1R03DE028371-01A1 5U48DP006401-02-00 6U48DP006401-01-01 risk 1R21HG010925-01A1 1R01DC015465-01 1R01DC017156-01 1R01DC017156-01 1R01DC017173-01 1R01DC017173-01 1R01DC017173-01 1R01DC01752-01A1 1R21DC017804-01 2P50DC014664-06A1 2P50DC014664-06A1 2P50DC014664-06A1 2P50DC014664-06A1 2P50DC014664-06A1 2P50DC014664-05 1R01AT001388-01A1 2P01ATT003961-06A1 4R00ATT003961-06A1 4R00ATT003961-06A1 5F31ATT003961-06A1 5F31ATT003920-03 5F31ATT003920-03 1F32HL154530-01	270,509	1,149 457 109 613 302 177 88 119 60 610 133 540 9 102 188 3 210 9 87 13 1,754 150 484 243
Disease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE interactions of Climate Change on Oceans and Human Health (CAPICOHH): Assessment of Effects on Ocean Health Related Illness and Disease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE interactions of Climate Change on Oceans and Human Health (CAPICOHH): Assessment of Effects on Ocean Health Related Illness and Disease and Development of Prevention Strategies to Better Protect Public Health - ADMIN CORE pigenetic mechanisms in Transgenerational Effects of an Environmental Pollutant dentifying Genetic Loci Associated with Neurocristopathies using the Deer Mouse, Peromyscus maniculatus SCS PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center Jore) SCS PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center Jore) SCS PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center Jore) Number Variation and Lung Cancer: Disease Risk and Mechanisms. SCS PRC Center and Core Research Project: National Implementation Study of the Faith, Activity, and Nutrition (FAN) Program (Center Jore) Number Variation and Lung Cancer: Disease Risk and Mechanisms. Sensorimotor Processing of Auditory Feedback in Aphasia Administry Speech Recognition under Adverse Estening Conditions Nord Learning in Reading and Language Impairment Subgroups Jore Semantic Systems of the Human Brain Jary Language and Literacy Acquisition in Children with Hearing Loss learned Bases of Vocal Sensorimotor Impairment in Aphasia Recovery (CSTAR) (Seural Bases of Vocal Sensorimotor Impairment in Aphasia Recovery (CSTAR) (Seural Bases of Vocal Sensorimotor Impairment in Aphasia Recovery (CSTAR) (Seural Pain Intert for the Study of Aphasia Recovery (CSTAR) (Seural Pain Intert for the Study of Aphasia Recovery (CSTAR) (Seur	93.113 93.113 93.113 93.121 93.135 93.155 93.172 93.173	5P01ES028942-03 5P01ES028942-04 5R01ES030144-02 1R03DE028371-01A1 5U48DP006401-02-00 6U48DP006401-01-01 risk 1R21HG010925-01A1 1R01DC015465-01 1R01DC0157156-01 1R01DC017173-01 1R01DC017173-01 1R01DC017173-01 1R21DC017525-01A1 1R21DC017525-01A1 1R21DC017525-01A1 1R21DC017525-01A1 1R21DC017664-06A1 2P50DC014664-06A1 2P50DC014660-06A1 4R00A7009206-03 5F31AT009820-03 5F31AT009820-03	270,509	1,149 457 109 613 302 177 88 119 60 610 133 540 9 102 188 3 210 90 87 13 1,754 150 484 243

ederal grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
esearch and Development Cluster, Continued				
US Department of Health & Human Services, continued				
An in Vivo Voltammetric Serotonin Biomarker for Antidepressant Efficacy	93.242	1R01MH106563-01A1	121,775	217,251
Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome HIV-Related Stigma and HIV Clinical Outcomes	93.242 93.242	1R01MH107573-01A1 1R01MH112376-01	15,506	403,308 128,349
Estrogen Mediated Mechanisms of Stress Susceptibility	93.242	1R01MH113892-01A1	-	439,797
Physiological Measurement of Attention as a Neurobehavioral Marker of Social Functioning and Emerging ASD Symptomology in				,
Infancy	93.242	3K23MH120476-02S1	-	13,993
Emergence and Stability of Autism in Fragile X Syndrome	93.242	3R01MH090194-08S1	15,766	109,218
HIV-Related Stigma and HIV Clinical Outcomes	93.242	3R01MH112376-04S1	28,100	84,439
K99/R00 Grant Transfer Application: Acceptability and Feasibility of Unsupervised HIV Self-Testing Among Networks of Men in Tanzania	93.242	4R00MH110343-03	_	19,907
Improving the HIV Care Continuum for Youth in the Deep South through Mobile Health Technology	93.242	5K01MH118073-03		113,300
Developing a Trauma-Focused Intervention for Older Adults Living with HIV	93.242	7K01MH115794-02	-	113,260
Emergence and Stability of Autism in Fragile X Syndrome	93.242	RMH090194B	-	326,907
Does Preference-based HIV Testing Increase Uptake in High Risk Populations?	93.242	RMH106388B	111,950	129,534
Treatment for Alcohol Use Disorder in Medicaid Managed Care	93.273	1R01AA029097-01	-	8,339
Addiction Treatment in Medicaid Health Homes P.A.R.E.N.T.S.S. Project - Parents Adopting Recovery Management through New Technology for Self-Care and Support (for Mothers)	93.279 93.279	1K01DA041628-01 1K23DA051626-01A1	-	33,217 71
Knock-in Mouse Model of Dopamine Transporter-Tat Interaction Underlying NeuroAIDS	93.279	1R21DA041932-01		(2,512)
Impact of Dead Box RNA Helicase 3 Signaling on HIV-1 Tat- and Cocaine-Induced Neurotoxicity	93.279	1R21DA047936-01	-	136,544
Microglial Modulation of Nicotine Dependencee	93.279	1R36DA049087-01A1	-	39,451
HIV/Cocaine Neurotoxicity in Females	93.279	2R01DA013137-16	150,920	387,241
Role of nucleus accumbens D2-expressing neurons in punished cocaine seeking	93.279	4R00DA044331-03	-	597
Addiction Treatment in Medicaid Health Homes	93.279	5K01DA041628-05	-	50,407
Behavioral Health Care in Army Warrior Transition Units	93.279	KDA037412A	- 200 248	1,174
Impact of HIV-1 Tat Protein on Cocaine-Dopamine Transporter Interaction Developing a Lifestyle Intervention to Reduce Body Weight for Obese African American Men Living in the Rural South	93.279 93.307	RDA035714C 1K23MD013899-01	260,348	494,759 142,290
Developing a Community-Informed, Peer-to-Peer Intervention to Improve Health-Related Quality of Life among African American Men	93.307	1K23MD015859-01 1K23MD016123-01		7,699
Hospital quality, Medicaid expansion and racial/ethnic disparities in maternal mortality and morbidity	93.307	1R01MD016012-01	106,123	186,527
Effects of Sleep Deficiency During Postpartum on Body Weight and Body Fat Changes in African American and White Women	93.307	R21MD012740		71,069
PeRiodontal treatment to Eliminate Minority InEquality and Rural disparities in Stroke (PREMIERS)	93.307	RMD009738A	335,832	413,546
(PI - Pamela Wright) Advancing Knowledge about Exercise as a Therapeutic Management Strategy for Women with Polycystic Ovary				
Syndrome	93.361	1F31NR019206-01A1		19,574
Connect through P.L.A.Y.: A staff-based intervention targeting social mechanisms for promoting physical activity within after school	02.254	4004110047540.04		454.547
programs for underserved middle school youth Central & Peripheral Body Temperature in VLBW Preterm Infants During the Neonatal Period: Relationship to Neonatal Infection and	93.361	1R01NR017619-01		454,547
Necrotizing Enterocolitis	93.361	1R01NR017872-01A1	266,653	474,237
Evaluation of Cigarette Package Inserts for Enhanced Communication with Smokers	93.393	1R01CA215466-01A1	166,991	382,450
Targeting the p62 Signalosome in Leukemia.	93.393	1R01CA218076-01	-	153,937
Emodin as a Chemopreventive Agent for Breast Cancer	93.393	1R01CA218578-01A1	-	305,379
Role of Circadian Factors in Inflammation and Colorectal Adenoma Risk	93.393	1R01CA231321-01A1	-	184,281
Harnessing the Power of p53 with Panaxynol from American Ginseng to Suppress Colitis and Prevent Colon Cancer	93.393	1R01CA246809-01	-	344,752
A chemopreventive strategy based on edible microRNAs produced in plants	93.393	1R21CA223353-01	-	34,801
Integrated Data Analysis of Determinants of Low-Dose CT Screening for Lung Cancer	93.393	1R21CA234295-01A1	-	112,890
Emodin as a Chemopreventive Agent for Breast Cancer	93.393 93.393	3R01CA218578-03S1 3R01CA231321-02S1	-	42,971
Role of Circadian Factors in Inflammation and Colorectal Adenoma Risk Addressing Acquiescence: Reducing Survey Error To Promote Latino Health	93.393	5R01CA231321-0251 5R01CA172283-05		29,662 (151)
Evaluation of Cigarette Package Inserts for Enhanced Communication with Smokers	93.393	5R01CA215466-02 REVISED	_	98,888
Peers Promoting Exercise Adoption and Maintenance among Cancer Survivors	93.394	1R01CA183849-01A1	19,580	143,205
Peer Coaching for Physical Activity Promotion among Breast Cancer Survivors: Adapting an Efficacious Intervention to Prepare for				
Implementation	93.394	1R01CA242745-01A1	32,487	70,491
Development of a noninvasive, rapid and affordable method for early detection of colorectal cancer	93.394	1R21CA245651-01A1	-	101,616
RAD51-dependent homologous recombination and thiopurine treatments for cancer	93.395	1R15CA223956-01A1	-	51,559
Nanoparticle-delivered miR-489 rejuvenates anthracycline-based chemotherapy Inhibin function in tumor angiogenesis	93.395 93.396	1R21CA252360-01 1R01CA219495-01A1		168,649 (3,933)
Improving Adherence to Adjuvant Hormonal Therapy among Disadvantaged Breast Cancer Survivors	93.398	KCA193667A		57,561
Colorectal Cancer Screening Program in South Carolina	93.800	5NU58DP006137-05-00	49,764	63,367
Therapeutic Targeting of Tissue Inhibitor-4 in Hypertrophy and Failure	93.837	1R01HL130972-01A1	46,613	183,843
Molecular Basis of Exercise-induced Changes in HDL Function	93.837	1R01HL146462-01	65,997	285,071
A Meta-Epidemiological Assessment of the Role of Pilot Studies in the Design of Well-Powered Trials — the Pilot Project	93.837	1R01HL149141-01	78,900	440,069
Functional Implications of RyR2 Mutations in Human Cardiomyocytes	93.837	1R56HL147054-01	110,659	275,135
A Nutrition-Based Approach to Reduce Heart Disease Risk Among Overweight African Americans: Use of Soul Food Plant-Based or	02.027	2004111425222 0454		404.050
Omnivorous Diets to Address Cardiovascular Disease Molecular Basis of Exercise-induced Changes in HDL Function	93.837 93.837	3R01HL135220-04S1 3R01HL146462-02S1 REVISED	-	101,960 54,186
A Nutrition-Based Approach to Reduce Heart Disease Risk Among Overweight African Americans: Use of Soul Food Plant-Based or	55.057	3K01HE140402-0231 KEVI3ED	-	34,100
Omnivorous Diets to Address Cardiovascular Disease	93.837	5R01HL135220-03	_	2.858
A Nutrition-Based Approach to Reduce Heart Disease Risk Among Overweight African Americans: Use of Soul Food Plant-Based or				_,
Omnivorous Diets to Address Cardiovascular Disease	93.837	5R01HL135220-04	-	525,208
A Nutrition-Based Approach to Reduce Heart Disease Risk Among Overweight African Americans: Use of Soul Food Plant-Based or				
Omnivorous Diets to Address Cardiovascular Disease	93.837	5R01HL135220-05	-	114,205
A Patient-Centered Asthma Management Communication Intervention for Rural Latino Children	93.838	1K23HL133596-01A1	-	136,254
Reducing Sedentary Time Using an Innovative mHealth Intervention Among Total Knee Replacement Patients	93.846	1R21AR074780-01A1	23,691	194,228
Reducing Sedentary Time Using an Innovative mHealth Intervention Among Total Knee Replacement Patients Vascular Pathogenesis of Port Wine Stain	93.846 93.846	5R21AR074780-02 7R01AR073172-02	89,219	17,056 312,553
What's UP (Undermining Prevention) with Summer? Etiology of Accelerated Weight Gain during Summer vs. School Year	93.847	1R01DK116665-01A1	65,215	933,179
	93.847	1R01DK120490-01A1	_	556,050
Reducing Health Disparities in Childhood Obesity Using Financial Incentives in Low-income Households	33.047	110151110450 01711		330,030
Reducing Health Disparities in Childhood Obesity Using Financial Incentives in Low-income Households Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing			-	1,611
Reducing Health Disparities in Childhood Obesity Using Financial Incentives in Low-income Households Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk	93.847	1R01DK128057-01		3.504
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing	93.847 93.847	1R01DK128057-01 1R21DK125917-01A1	-	2,584
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes				40,601
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Figlienetic Regulators of Hematopolesis Reveals a Requirement for the Hbot Complex during Hematopoietic Stem Cell	93.847 93.847	1R21DK125917-01A1 3R01DK117461-03S1		40,601
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification	93.847 93.847 93.847	1R21DK125917-01A1 3R01DK117461-03S1 7K01DK104974-03		40,601 21,050
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes	93.847 93.847 93.847 93.847	1R21DK125917-01A1 3R01DK117461-03S1 7K01DK104974-03 RDK117461A	- - - 345,636 21,939	40,601 21,050 602,836
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification	93.847 93.847 93.847	1R21DK125917-01A1 3R01DK117461-03S1 7K01DK104974-03	- - 346,636 21,939 -	40,601 21,050
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth	93.847 93.847 93.847 93.847 93.853	1R21DK125917-01A1 3R01DK117461-03S1 7K01DK104974-03 RDK117461A 1R01N089633-01A1		40,601 21,050 602,836 29,332
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Rolles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853	1R21DK125917-01A1 3R01DK117461-03S1 7K01DK104974-03 RDK117461A 1R01NS089633-01A1 1R01NS100624-01A1 1R01NS109197-01 1R01NS117821-01		40,601 21,050 602,836 29,332 255,349 296,487 414,114
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Fighenetic Regulators of Hematopolesis Reveals a Requirement for the Hbo1 Complex during Hematopoletic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery	93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853	1821DK125917-01A1 3R01DK117461-03S1 7K01DK104974-03 RDK117461A 1R01NS1096933-01A1 1R01NS109624-01A1 1R01NS109197-01 1R01NS117821-01 1R03NS106547-01	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency	93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853	1R21DK125917-01A1 3R01DK117461-0351 7K01DK104974-03 RDK117461A 1R01N5089633-01A1 1R01N5109624-01A1 1R01N5109197-01 1R01N5117821-01 1R03N5106547-01 1R65NS116174-01	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation	93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853	18210K125917-01A1 3R01DK125917-01A1 3R01DK104974-03 ROK117461A 1R01N5089633-01A1 1R01N5109624-01A1 1R01N5109197-01 1R01N5117821-01 1R03N5106547-01 1R56N5116174-01 2R01N5041596-10A1	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329)
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Figienetic Regulators of Hematopiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition	93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853	18210K125917-01A1 3R01DK117461-03S1 7K01DK104974-03 RDK117461A 1R01NS089633-01A1 1R01NS100624-01A1 1R01NS109597-01 1R01NS117821-01 1R03NS106547-01 1R5NS116174-01 2R01NS041596-10A1 7R01NS102209-03	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerott Therapy for Mitchondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury	93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853	1R21DK125917-01A1 3R01DK117461-0351 7K01DK104974-03 RDK117461A 1R01N5089633-01A1 1R01N5109624-01A1 1R01N5109197-01 1R01N5117821-01 1R30N510547-01 1R56NS116174-01 2R01N5041596-10A1 7R01N5102209-03 KNS105879A	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329 331,587 90,832
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Ascreen for Epigenetic Regulators of Hemstopolesis Reveals a Requirement for the Hbo1 Complex during Hematopoletic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mBNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples	93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853	18210K125917-01A1 3R01DK125917-01A1 3R01DK117461-03S1 7K01DK104974-03 RDK117461A 1R01NS089633-01A1 1R01NS109624-01A1 1R01NS109624-01A1 1R01NS1096547-01 1R6SNS116174-01 2R01NS041595-10A1 7R01NS011595-10A1 7R01NS01209-03 KNS105879A KNS105879A	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853	1R21DK125917-01A1 3R01DK117461-0351 7K01DK104974-03 RDK117461A 1R01N5089633-01A1 1R01N510624-01A1 1R01N510624-01A1 1R01N5117821-01 1R03N5106547-01 1R56NS116174-01 2R01N5041596-10A1 7R01N5102209-03 KMS105879A 1KK22A136686-01A1 1R01A1120987-01	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761 511
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopolesis Reveals a Requirement for the Hoo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria ANR Ugandis in Epigenetic Dysregulation of T Cells	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855	18210K125917-01A1 3R01DK125917-01A1 3R01DK104974-03 RDK117461A 1R01N5089633-01A1 1R01N5109624-01A1 1R01N5109197-01 1R05N511674-01 1R05N511674-01 1R01N5101956-10A1 7R01N501209-03 KNS105879A 1K22Al136686-01A1 1R01Al12987-01	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761 511 401,425
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Figienetic Regulators of Hematopiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria AhR Ligands in Epigenetic Dysregulation of T Cells Big Data Anablysics of HiV Treatment Capa in South Carolina: Identification and Prediction	93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855	18210K125917-01A1 3R01DK117461-03S1 7K01DK104974-03 RDK117461A 1R01NS089633-01A1 1R01NS100624-01A1 1R01NS109597-01 1R01NS117821-01 1R0SNS106547-01 1R5RNS116174-01 2R01NS041596-10A1 7R01NS102209-03 KNS105879A 1K22A1136686-01A1 1R01A1120987-01 1R01A112703-01A1	21,939 - 169,687 - - - - - -	40,601 21,050 602,836 29,332 255,349 296,837 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761 511 401,425 638,676
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopolesis Reveals a Requirement for the Hoo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria ANR Ugandis in Epigenetic Dysregulation of T Cells	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855	18210K125917-01A1 3R01DK125917-01A1 3R01DK104974-03 RDK117461A 1R01N5089633-01A1 1R01N5109624-01A1 1R01N5109197-01 1R05N511674-01 1R05N511674-01 1R01N5101956-10A1 7R01N501209-03 KNS105879A 1K22Al136686-01A1 1R01Al12987-01	21,939	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761 511 401,425
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopoiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitchondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria AhR Ligands in Epigenetic Dysregulation in FTSD	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855	18210K125917-01A1 3R01DK125917-01A1 3R01DK104974-03 ROK117461A 1R01N5089633-01A1 1R01N5109633-01A1 1R01N5109197-01 1R01N5117821-01 1R03N5106547-01 1R50N5116174-01 2R01N5041596-10A1 7R01N5102209-03 KNS105879A 1K22A1136686-01A1 1R01A1127987-01 1R01A1123947-01A1 1R01A112788-01	21,939 - 169,687 - - - - - -	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761 511 401,425 638,676 447,609
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopolesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria ANR Ligands in Epigenetic Dysregulation of T Cells Big Data Analytics of HIV Treatment Gaps in South Carolina: Identification and Prediction Epigenetic Mechanisms of T Cell Dysregulation in PTSD Control of Facial Amphiphilicity to Tune Macromolecular Interactions with Bacteria B-cell-intrinsic MHCI Signaling is a Diversifying Force of Selection on IgA Repertoires and the Gut Microbiota	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855	18210K125917-01A1 3R01DK125917-01A1 3R01DK104974-03 R0X117461A 1R01N5089633-01A1 1R01N510624-01A1 1R01N5109197-01 1R05N5116547-01 1R50N5116174-01 2R01N5041596-10A1 7R01N5102209-03 KNS105879A 1K22A1136686-01A1 1R01A1127937-01A1 1R01A1127988-01 1R01A11279788-01 1R01A112788-01 1R01A1155887-01A1 1R01A112788-01	21,939 - - 169,687 - - - - - - - 105,907	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761 511 401,425 638,676 447,609 275,971 2,777
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Figienetic Regulators of Hematopiesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria AhR Ligands in Epigenetic Dysregulation in PTSD Control of Facial Amphiphilicity to Tune Macromolecular Interactions with Bacteria B-cell-intrinsic MHCII Signaling is a Diversifying Force of Selection on IgA Repertoires and the Gut Microbiota Flexible Biomarker Evaluation Through a Cost-Effective Data Collection Mechanism Exploring the Role of Ovary MicroRNAs in Mosquito Reproduction	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855	18210K125917-01A1 3R01DK125917-01A1 3R01DK104974-03 RDK117461A 1R01NS089633-01A1 1R01NS100624-01A1 1R01NS109597-01 1R01NS117821-01 1R0587506547-01 1R56NS116174-01 2R01NS041596-10A1 7R01NS102209-03 KNS105879A 1K22A1136686-01A1 1R01A112987-01A1 1R01A112788-01 1R01A112788-01 1R01A112788-01 1R01A112788-01 1R01A1155887-01A1 1R01A1155887-01A1 1R01A1155887-01A1 1R01A1155887-01A1 1R01A1135630-01A1	21,939 - 169,687 - - - - - - - 105,907	40,601 21,050 602,836 29,332 255,349 296,487 414,114 30,573 197,115 (1,329) 331,587 90,832 12,761 511 401,425 638,676 447,609 275,971 2,777 38,380 30,507
Ensuring the cultural relevance of Dietary Guidelines diet patterns among African Americans: Increasing dietary quality and reducing type 2 diabetes risk The Nurse Champion Model for Sickle Cell Disease Early Diagnosis and Care Access Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes A Screen for Epigenetic Regulators of Hematopolesis Reveals a Requirement for the Hbo1 Complex during Hematopoietic Stem Cell Specification Impact of Disparities in Food Security on Glycemic Control and Health Care Utilization Among Youth and Young Adults with Diabetes Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth Neurobiological Mechanisms of Apathy in HAND Role of proteoglycan-mediated trans-axonal signaling in pre-target topographic sorting Role of Stress Granule Protein Aggregation in Axon Regeneration Validating Neuroelectric Biomarkers of Concussion Recovery Anaplerotic Therapy for Mitochondrial Complex I Deficiency Modifying Intrinsic Growth Capacity through Axonal mRNA Translation Kynurenic Acid, Sleep and Cognition Examining mRNA Localization in Central Sensory Axons after Peripheral Nerve Injury A Solid-State Nanopore Biosensor for Rapid Detection of Mycobacterium tuberculosis Antigens in Pediatric Blood Samples Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria ANR Ligands in Epigenetic Dysregulation of T Cells Big Data Analytics of HIV Treatment Gaps in South Carolina: Identification and Prediction Epigenetic Mechanisms of T Cell Dysregulation in PTSD Control of Facial Amphiphilicity to Tune Macromolecular Interactions with Bacteria B-cell-intrinsic MHCI Signaling is a Diversifying Force of Selection on IgA Repertoires and the Gut Microbiota	93.847 93.847 93.847 93.847 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855	18210K125917-01A1 3R01DK125917-01A1 3R01DK104974-03 R0X117461A 1R01N5089633-01A1 1R01N510624-01A1 1R01N5109197-01 1R05N5116547-01 1R50N5116174-01 2R01N5041596-10A1 7R01N5102209-03 KNS105879A 1K22A1136686-01A1 1R01A1127937-01A1 1R01A1127988-01 1R01A11279788-01 1R01A112788-01 1R01A1155887-01A1 1R01A112788-01	21,939 - - 169,687 - - - - - - - 105,907	40,66 21,01 602,81 29,31 255,34 296,44 414,11 30,57 197,11 (1,31 31,51 90,88 12,77 57 401,41 638,61 447,66 275,97 2,77 38,33

eral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
earch and Development Cluster, Continued			<u> </u>	
S Department of Health & Human Services, continued				
AhR Ligands in Epigenetic Dysregulation of T Cells	93.855	3R01Al123947-04S1	-	38,65
AhR Ligands in Epigenetic Dysregulation of T Cells	93.855	3R01Al123947-04S2	-	37,93
Big Data Analytics of HIV Treatment Gaps in South Carolina: Identification and Prediction	93.855	3R01AI127203-04S1	-	223,81
Mechanism of MHC Heterozygote Advantage During Anti-Commensal Germinal Center B Cell Selection	93.855	5R21Al142409-02	-	14,79
Research Center for Child Well-BeingCOBRE (Admin Core)	93.859 93.859	1P20GM130420-01A1 1R01GM135315-01	-	1,299,64
Divergence of Carboxylate-Bridged Diiron Enzymes for Natural Product Biosynthesis Mechanisms of Iron and Thiol Redox Regulation in Yeast	93.859	1R35GM118164-01	-	40,70 349,73
South Carolina IDeA Networks of Biomedical Research Excellence (SC INBRE) - Administrative Core - Year 1 of 5 (Competing	93.839	1K35GW118104-U1	-	349,73
Continuation)	93.859	2P20GM103499-20	315,089	1,181,88
Center for Targeted Therapeutics	93.859	2P20GM109091-06	313,083	38,35
South Carolina IDeA Networks of Biomedical Research Excellence (SC INBRE) - Administrative Core - Year 1 of 5 (Competing	33.033	21 20 (1010)051-00		30,33
Continuation)	93.859	3P20GM103499-20S1	-	63.73
Center for Targeted Therapeutics	93.859	3P20GM109091-08S1		6,94
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.859	5P20GM103499-19	255,071	278.68
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.859	5P20GM103641-07	-	10,22
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.859	5P20GM103641-08	-	1,412,44
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.859	5P20GM103641-09	-	74,21
Center For Targeted Therapeutics - Admin Core (Year 2)	93.859	5P20GM109091-05	-	40
Center for Targeted Therapeutics	93.859	5P20GM109091-07	-	2,066,29
Center for Targeted Therapeutics	93.859	5P20GM109091-08	-	388,03
tesearch Center for Child Well-BeingCOBRE (Admin Core)	93.859	5P20GM130420-02	-	542,93
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training	93.859	5T32GM081740-12	-	27,46
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training	93.859	5T32GM081740-13	-	316,53
outh Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.859	PGM103499F	914,734	1,107,94
OBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.859	PGM103641B	-	229,69
outh Carolina Post-Baccalaureate Research Program	93.859	RGM066526D	-	178,17
(99/R00 The Development of Face-Processing Abilities in Infants: Structural and Functional Brain Changes During the First Year of Life				
Application Identifier 599066)	93.865	1K99HD102566-01A1	-	11,47
Promoting Healthy Weight in Pregnancy and Postpartum among Overweight/Obese Women	93.865	1R01HD078407-01A1	-	253,65
Physical Activity, Sedentary Behavior and Weight Status in Early Childhood	93.865	1R01HD091483-01A1	7,210	396,27
inking Altered Cortical Sensorimotor Integration with Movement Impairments in Back Pain	93.865	1R01HD095959-01	-	251,20
Estimating population level infertility and fertility treatment rates	93.865	1R03HD097287-01	21,704	43,34
Racial/Ethnic Disparities in Care Practices, Outcomes, and Hospital Transfer Among Infants Born at 22-29 WeeksGestation	93.865	1R03HD097305-01	-	54,58
Aging Language Trajectories in Premutation Carrier Mothers	93.865	1R03HD098291-01	-	58,46
nterventions to Promote Healthy Lifestyle and Academic Performance in Children during the Summer Months	93.865	1R21HD090647-01A1	52,500	142,94
Product Testing Movement Integration Products: Identifying What Works and What Doesn't	93.865	1R21HD091394-01A1	-	68,38
The Development of Sustained Attention in Infants	93.865	2R01HD018942-31	-	435,95
nterventions to Promote Healthy Lifestyle and Academic Performance in Children during the Summer Months	93.865	3R21HD090647-01A1S1	-	
Investigating the Role of Structured Days on Accelerated Weight Gain during Summer: A Natural Experiment	93.865	3R21HD095164-01S1 REVISED	-	1,68
Early Indicators of Autism Risk in Down Syndrome	93.865	5F32HD097877-02	-	33,57
Early Indicators of Autism Risk in Down Syndrome	93.865	5F32HD097877-03	-	32,09
Frials and ReseArch NetworkS FOR More (TRANSFORM)-South Carolina	93.865	8UG10D024956-02	312,364	338,71
Investigating the Role of Structured Days on Accelerated Weight Gain during Summer: A Natural Experiment	93.865	RHD095164A	-	122,99
Elucidation of the Mechanism Behind the Pro-Cognitive Effects of Intranasal Insulin	93.866	1F31AG066501-01A1	-	29,33
Brain Targeted Nanoparticle for Alzheimerâ's Disease Therapy	93.866	1R01AG054839-01A1	-	295,41
Role of Cyclic Nucleotide Signaling in Age-related Decline of Social Memories	93.866	1R01AG061200-01	-	367,48
SCH: INT: Inferring at Home Gait Parameters of Older Adults using Floor Vibrations	93.866	1R01AG067395-01	207,637	287,48
Lamin A and the Fidelity of DNA Double-Strand Break Repair	93.866	1R03AG064525-01A1	-	40,11
Mechanisms of Increased Fall Risk among Older Adults with Depression: A Causal Mediation Analysis	93.866	1R21AG064310-01	-	123,30
Periodontal antibodies to predict Alzheimer's disease mortality	93.866	1R21AG070449-01	-	85,17
Carolina Center on Alzheimer's Disease and Minority Research (CCADMR) - Admin Core	93.866	5P30AG059294-02	97,633	93,41
Carolina Center on Alzheimer's Disease and Minority Research (CCADMR) - Admin Core	93.866	5P30AG059294-03	70,590	478,13
pigenetic mechanisms of stress and age-related cognitive decline	93.866	7K01AG061263-02	-	147,18
South Carolina-Advancing Diversity in Aging Research Undergraduate Program	93.866	RAG050484A	-	211,58
Hypocretin/orexin Modulation of Cognitive Correlates of Brain Aging	93.866	RAG050518A	72,888	235,03
DiCAYA: South Carolina Youth (Component A)	93.945	1U18DP006513-01-00	13,947	48,89
Intersecting Stigma Against MSM in Clinical Settings in Zambia	93.989	1R21TW011064-01A1	87,330	145,19
Electronic cigarettes in Latin America: Evaluation of impacts and policy options	93.989	RTW010652A	169,170	283,99
Socio-Ecological Coupling of Antibiotic Resistance and the Potential Risk of Human Exposure to AR Pathogens in Bioaerosols				
Generated During Wastewater Treatment	93.RD	75D30118C02903	7,220	101,71
examining the presence and possible transmission of SARS-CoV-2 within municipal sewage treatment facilities and their employees				
	93.RD	75D30120P-08501	-	190,98
nsights into Microbiome and Environmental Contributions to Sickle Cell Disease and Leg Ulcers Study (INSIGHTS Study)	93.RD	75N92019P00362	11,500	26,36
Passed through programs from:				
AcePre, LLC				
A novel polymer-metal nanocomplex for ovarian cancer treatment	93.395	1R41CA254500-01A1	-	24,57
Development of dietary quercetin to treat muscle wasting disorders	93.213	1R43AT011171-01	-	34,39
Advanced Smart Systems & Evaluation Technology				
Mitigating Falls in Older Adults through Low-cost, Non-intrusive Activity and Gait Analysis from Floor Vibrations - STTR sub-				
contract with Advanced Smart Systems and Evaluation Technologies (ASSET)	93.866	1R41AG059475-01A1	-	(2,15
Agency for Healthcare Research & Quality				
Effect of the patient-centered medical home on geographic and racial disparities in health care access	93.226	1R03HS026263-01A1	-	37,34
Effects of Musculoskeletal Surgery Rate of Medicare Costs	93.226	1R01HS027177-01A1	29,666	99,29
Augusta University				
Damage-Associated Molecular Patterns in Hypertension	93.837	31108-1 / 5P01HL134604-05	-	268,09
Implementation of Medical Homes for Evidence Based Care of Adolescents and Adults with Sickle Cell Disease - Diversity				
Supplement	93.839	35324-1	-	18,95
Implementation of Medical Homes for Evidence Based Care of Adolescents and Adults with Sickle Cell Disease - Diversity				
Supplement	93.839	36549-1	-	98,53
Thermosensitive TRPM8 Channels and Diabetic Erectile Dysfunction	93.847	32307-72	-	31,54
		•		52,54
Beth Israel Deaconess Medical Center	93.855	01062446	-	14,28
Beth Israel Deaconess Medical Center An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics		==::=		1-,20
An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics				27,50
An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics Brandeis University	93 270	GR404038		
An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics Brandels University Pharmacotherapy for substance use disorder in Medicaid managed care plans: policies and outcomes	93.279	GR404038	•	27,30
An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics Brandeis University Pharmacotherapy for substance use disorder in Medicaid managed care plans: policies and outcomes Brigham & Women's Hospital				
An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics Brandeis University Pharmacotherapy for substance use disorder in Medicaid managed care plans: policies and outcomes Brigham & Women's Hospital Knee Arthroplasty AcTivity (KarAT) Trial - Sub-contract with The Brigham and Women's Hospital, Inc U56 Proposal	93.846	1U56AR075288-01A1	:	17,71
An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics Brandeis University Pharmacotherapy for substance use disorder in Medicaid managed care plans: policies and outcomes Brigham & Women's Hospital Knee Arthroplasty Activity (KArAT) Trial - Sub-contract with The Brigham and Women's Hospital, Inc U56 Proposal Partnership in Implementation Science for Geriatric Mental Health (PRISM) - Administrative Core	93.846 93.242	1U56AR075288-01A1 117722 5U19MH113201-04	-	17,714 17,030
An Integrated Multilevel Modeling Framework for Repertoire-Based Diagnostics Brandeis University Pharmacotherapy for substance use disorder in Medicaid managed care plans: policies and outcomes Brigham & Women's Hospital Knee Arthroplasty AcTivity (KdrAT) Trial - Sub-contract with The Brigham and Women's Hospital, Inc U56 Proposal	93.846	1U56AR075288-01A1	· ·	17,714 17,030 14,870 84,823

al grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expendit
rch and Development Cluster, Continued				
Department of Health & Human Services, continued assed through programs from, continued:				
Children's Hospital, PA	02.205	5000005500 SU0000 04		
COG: Workload Intensity (NCTN Grant 2U10CA180886) Children's Trust Fund of South Carolina	93.395	FP00026529_SUB279_01		
Continuing the Examination of SC MIECHV Client and Staff Attrition and the Organizational Factors that Promote Retention	93.870	MIEC-2020-2022-RMHRC-1	-	
MIECHV FY18	93.870	X10MC32219	-	
MIECHV Needs Assessment	93.870 93.870	X10MC32219 MIEC-2019-2021-RMHRC-1	-	2
SC MIECHV Client and Staff Attrition Evaluation SC MIECHV FY19 Evaluation Case Studies	93.870	MIEC-2019-2021-RMHRC-1 MIEC-2019-2021-CARE-1		
SC MIECHV FY20 Evaluation Understanding Organizational Culture	93.870	MIEC-2020-2022-CARE-1		
Understanding How State Level Leadership Influences Implementation of MIECHV: A Study of South Carolina's State Lead Agency	93.870	X10MC32219		
Circa Bioscience, LLC			•	
Development of an Autism Spectrum Disorder Screening Test Based upon Metabolic Profiling of Fresh Blood Samples Clemson University	93.242	C115642-6/ C115642-3		
Cardiovascular Calcification: Mechanisms and Therapy	93.837	2150-209-2013514		
Targeted Therapy to Reverse Vascular Calcification Theranostic approach to treat abdominal aortic aneurysms	93.837 93.837	2095-209-2023055 1935-209-2011885		
Cornell University	33.037	1555 105 1011005		
(Supplemental) Modeling Social Behavior for Healthcare Utilization in Depression	93.242	194543 5R01MH105384-05S1	-	
Modeling Social Behavior for Healthcare Utilization in Depression Davidson College	93.242	194536 5R01MH105384-05		
Precision Glycopolymer Bacteriochlorin Conjugates for Biomedical Applications	93.859	OGC 2015-16		
Duke University				
A Tailored School- Based Intervention to Increase Vaccine Uptake Among Adolescents in the Rural South	93.185	A032051	-	
A Tailored School- Based Intervention to Increase Vaccine Uptake Among Adolescents in the Rural South HRSA Special Projects of National Significance (SPNS) - Strength Through Youth Livin' Empowered 2.0 (STYLE 2.0)	93.185 93.928	A033950 309-0128	9,083	
NIH Centers for AIDS Research (CFAR) Engaging pharmacies for HIV prevention in South Carolina	93.928	309-0128 2P30Al064518-16	9,083	
NIH Centers for AIDS Research (CFAR) Engaging pharmacies for HIV prevention in South Carolina	93.855	A033176 / 5P30AI064518-15		
Pediatric Migraine Registry: A National Registry of Children and Adolescents with Migraine	93.103	5U18FD006298-02		
Pharmacokinetics, Pharmacodynamics, and Safety Profile of Understudied Drugs Administered to Children per Standard of Care II				
(POPS II)	93.RD	SPS #243797	-	
POPS-Pharmacokinetics of Understudied Drugs Administered to Children per Standard of Care	93.RD	SPS #235432	-	
Subaward: Positive Outcomes for Orphans (POFO): HIV Risk as Young Adults TRANScranial Direct Current Stimulation for Post-Stroke Motor Recovery - A Phase II Study (TRANSPORT 2) – Sub-Contract with	93.865	A03-2078		
Duke University	93.853	A033728	-	
mory University	02.202	A350364 40046A337340 04A4	20.676	
Ovarian Cancer Survival in African-American Women Reducing Racial Disparities in Access to Kidney Transplantation: the RaDIANT Regional Study	93.393 93.307	A359264 1R01CA237318-01A1 A309703	38,676	
nQ, LLC				
eCPAT: Advancing Public Park Information and Technology Resources to Diverse Audiences for Healthy Communities -				
*Subcontract from EnQ, LLC (SBC) as Part of a STTR Application nvironment and Health Group, Inc.	93.393	11570FB44	4,879	
mHealth for ART adherence by HIV+ African Americans age 45 & older	93.307	2R44MD007161-03	-	
act Forward 1B Ripple Effect Mapping, 2020	93.297	1TP1AH000126-05-00	-	
Expanding Opportunities for Teen Mothers and Families in South Carolina (Evaluation Services for Fact Forward Tier 1 Grant)	93.297	1TP1AH000216-01-00	-	
eorgia State University				
Communicating about Nicotine and Differential Risks of Tobacco Products	93.077	SP00014095-01		
Communicating about Nicotine and Differential Risks of Tobacco Products ireenville Health System	93.077	SP00014490-01		
GHS Reach Expansion: A Caregiver Coaching Intervention for High Risk Patient/Caregivers to Extend Dementia Capable Services	93.470	G002219-2		
enry M. Jackson Foundation	33.470	0002215-2	•	
Role of Ly6K in TGF and Immune Escape Pathways of Triple Negative Breast Cancer	93.396	1R01CA227694-01 / 4498	-	
Role of Ly6K in TGF and Immune Escape Pathways of Triple Negative Breast Cancer	93.396	4498-PO #949909	-	
ndoor Biotechologied, Inc.	93.855	2R01AI077653-10A1		
Antigenic determinants of asthma-associated allergens for design of immunotherapy	93.833	2R01AI077053-10A1	•	
Evaluation of a New Policy Promoting Nutrition and Physical Activity in Family Child Care in South Carolina - Sub-contract with				
Johns Hopkins University	93.865	2003548903	-	
Medical University of South Carolina (PI - Sijian Fan) Bayesian Modeling for Prenatal, Natal and Postnatal Predictors of Developmental Defects of Enamel in Primary				
Maxillary Central Incisor Teeth	93.121	A21-0026-S001		
Brain Connectivity Supporting Language Recovery in Aphasia	93.173	2R01DC014021-06 / A00-1555-S002		
Enhancing School-Based Violence Prevention through Multilevel Racial/Ethnic Discrimination Intervention (Subaward of MUSC)	93.307	A19-0097-S001 / 1R01MD013812-01		
Evaluating How Tobacco Control Policies are Shaping the Nicotine Delivery Market	93.393	MUSC16-042-8B807 /A00-2527-S011	-	
Number, Primary and Secondary Diagnoses, and Costs of Emergency Department Visits in a Population-based Cohort of People	02.422	430 0005 5004		
with Spinal Cord Injury Number, Primary and Secondary Diagnoses, and Costs of Inpatient Hospitalizations in a Population-Based Cohort of People with	93.433	A20-0086-S001		
Spinal Cord Injury	93.433	A00-2862-S001		
	93.398	MUSC 15-076	-	
South Carolina Cancer Health Equity Consortium (SC CHEC)	93.350	A00-2219-S006	-	
South Carolina Cancer Health Equity Consortium (SC CHEC) South Carolina Clinical & Translational Research Institute (SCTR)		A20-0069-S002 / 5U01DC017521-02		
South Carolina Cancer Health Equity Consortium (SC CHEC) South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc)	93.173		-	
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2)	93.173 93.310	A21-0064-S003		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) flichigan State University	93.310			
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpAR) Trials and ReseArch Network FOR even More (TRANSFORM-2) Hichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention		A21-0064-S003 RC110674USC		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) flichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention licitor Vide, LLC Coagulation Companion for Kids	93.310		-	
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Hichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Hicro Vide, LLC Coagulation Companion for Kids Nountain Pass Technology	93.310 93.361 93.837	RC110674USC OSP27238-5U54HL143541-03	-	
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Hichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Hicro Vide, LIC Coagulation Companion for Kids Mountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms	93.310 93.361	RC110674USC		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Alchigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Alcro Vide, LLC Coagulation Companion for Kids Mountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms Lational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway	93.310 93.361 93.837	RC110674USC OSP27238-5U54HL143541-03	- - -	
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpAR) Picklagan State University Itichigan State University Effects of bright light on co-ccurring symptoms in breast cancer survivors: A personalized intervention iticro Vide, LLC Coagulation Companion for Kids fountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms lational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway attional Kural Health Association	93.310 93.361 93.837 93.242 93.855	RC110674USC OSP27238-5U54HL143541-03 10009947 20116904/20116902//20116903	- - -	
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Idichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Icro Vide, LLC Coagulation Companion for Kids Mountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms tational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway lational Rural Health Association Rural Border Health Chartbook: An Update	93.310 93.361 93.837 93.242	RC110674USC OSP27238-5U54HL143541-03 10009947		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Idichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Icro Vide, LLC Coagulation Companion for Kids Mountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms tational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway lational Rural Health Association Rural Border Health Chartbook: An Update	93.310 93.361 93.837 93.242 93.855	RC110674USC OSP27238-5U54HL143541-03 10009947 20116904/20116902//20116903		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Aichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Aicro Vide, LIC Coagulation Companion for Kids Aountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms Lational Lewish Health Regulation of Gene Expression in the Anaphylactic Pathway Lational Rural Health Association Rural Border Health Chartbook: An Update Corthern California Institute for Research & Education	93.310 93.361 93.837 93.242 93.855	RC110674USC OSP27238-5U54HL143541-03 10009947 20116904/20116902//20116903		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpAc) (Prials and ReseArch Network FOR even More (TRANSFORM-2) (Ichigan State University Ichterion State University Ichterion State University Coagulation Companion for Kids Acoustain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms Iational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway Iational Rural Border Health Association Rural Border Health Chartbook: An Update Iorthern California Institute for Research & Education Program to Avoid Cerebrovascular Events Through Systematic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACESTTER)	93.310 93.361 93.837 93.242 93.855 93.155	RC110674USC OSP27238-SU54HL143541-03 10009947 20116904/20116902//20116903 2U16RH03702-17-00 OVB2163-02		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and Research Network FOR even More (TRANSFORM-2) Hichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Hicro Vide, LLC Coagulation Companion for Kids Hountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms Lational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway Lational Rural Health Association Rural Border Health Chartbook: An Update Orthern California Institute for Research & Education Program to Avoid Cerebrovascular Events Through Systematic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACESETTER) Ionthern Illinois University Home C20OKING: Creative Culinary Opportunities Offering Kids Inquiry-Based Nutritional Genius	93.310 93.361 93.837 93.242 93.855 93.155	RC110674USC OSP27238-5U54HL143541-03 10009947 20116904/20116902//20116903 2U16RH03702-17-00	- - - - - 5,116	
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpAge) Trials and ReseArch Network FOR even More (TRANSFORM-2) Itichigan State University Effects of bright light on co-ocurring symptoms in breast cancer survivors: A personalized intervention Iticro Vide, LLC Coagulation Companion for Kids Nountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms lational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway attional Rural Beralth Carolina in the Anaphylactic Pathway attional Rural Beralth Association Rural Border Health Chartbook: An Update forthern California Institute for Research & Education Program to Avoid Cerebrovascular Events Through Systematic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACESETTER) orthern Illinois University Home COOKING: Creative Culinary Opportunities Offering Kids Inquiry-Based Nutritional Genius forthwestern University	93.310 93.361 93.837 93.242 93.855 93.155	RC110674USC OSP27238-SU54HL143541-03 10009947 20116904/20116902//20116903 2U16RH03702-17-00 OVB2163-02	- - - - - - 5,116	
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and Research Network FOR even More (TRANSFORM-2) Hichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Hicro Vide, LLC Coagulation Companion for Kids Hountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms Lational Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway Lational Rural Health Association Rural Border Health Chartbook: An Update Orthern California Institute for Research & Education Program to Avoid Cerebrovascular Events Through Systematic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACESETTER) Ionthern Illinois University Home C20OKING: Creative Culinary Opportunities Offering Kids Inquiry-Based Nutritional Genius	93.310 93.361 93.837 93.242 93.855 93.155 93.307 93.859	RC110674USC OSP27238-SU54HL143541-03 10009947 20116904/20116902//20116903 2U16RH03702-17-00 OVB2163-02 G1A62667-5		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Itichigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Icirc Vide, LIC Coagulation Companion for Kids Ountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms autional lewish Health Regulation of Gene Expression in the Anaphylactic Pathway autional Rural Health Association Rural Border Health Chartbook: An Update Orthern California Institute for Research & Education Program to Avoid Cerebrovascular Events Through Systematic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACESETTER) Orthern Illinois University Home C20OkING: Creative Culinary Opportunities Offering Kids Inquiny-Based Nutritional Genius Oorthwestern University The Center for Innovation in Point-of-Care Technologies for HIV/AIDS at Northwestern University (C-THAN) RADx Supplemental Request	93.310 93.361 93.837 93.242 93.855 93.155	RC110674USC OSP27238-SU54HL143541-03 10009947 20116904/20116902//20116903 2U16RH03702-17-00 OVB2163-02		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Richigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Ricro Vide, LLC Coagulation Companion for Kids Adountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms Autional Jewish Health Regulation of Gene Expression in the Anaphylactic Pathway Autional Rural Health Association Rural Border Health Chartbook: An Update Vorthern California Institute for Research & Education Program to Avoid Cerebrovascular Events Through Systematic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACSETTER) Vorthern Illinois University Home C20OKING: Creative Culinary Opportunities Offering Kids Inquiry-Based Nutritional Genius Vorthewn Elmost of Innovation in Point-of-Care Technologies for HIV/AIDS at Northwestern University (C-THAN) RADx Supplemental Request Program Hab Science University The Inpact of Emergency Medicaid Policy on Reproductive Health Disparities Among New Immigrants	93.310 93.361 93.837 93.242 93.855 93.155 93.307 93.859	RC110674USC OSP27238-SU54HL143541-03 10009947 20116904/20116902//20116903 2U16RH03702-17-00 OVB2163-02 G1A62667-5		
South Carolina Clinical & Translational Research Institute (SCTR) Speech entrainment for aphasia recovery (SpARc) Trials and ReseArch Network FOR even More (TRANSFORM-2) Alfchigan State University Effects of bright light on co-occurring symptoms in breast cancer survivors: A personalized intervention Aitoro Vide, LUC Coagulation Companion for Kids Aountain Pass Technology Development and Testing of a Behavioral Activation Mobile Therapy for Elevated Depressive Symptoms Lational Rural Border Health Association Rural Border Health Association Rural Border Health Association Rural Border Health Association Program to Avoid Cerebrovascular Events Through Systematic Electronic Tracking and Tailoring of an Eminent Risk-factor (PACESETTER) Lorder Elimbios University Home C2DOKING: Creative Culinary Opportunities Offering Kids Inquiry-Based Nutritional Genius Lorderween Limbios University The Center for Innovation in Point-of-Care Technologies for HIV/AIDS at Northwestern University (C-THAN) RADx Supplemental Request Progon Health & Science University The Impact of Emergency Medicaid Policy on Reproductive Health Disparities Among New Immigrants Lainbetto Care Connections	93.310 93.361 93.837 93.242 93.855 93.155 93.307 93.859 93.286 93.307	RC110674USC OSP27238-5U54HL143541-03 10009947 20116904/20116902//20116903 2U16RH03702-17-00 OVB2163-02 G1A62667-5 60056371 USC 3U54EB027049-0251 1013826_SC		
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deral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
search and Development Cluster, Continued				
S Department of Health & Human Services, continued				
Passed through programs from, continued: Partners Healthcare Research Management				
Randomized Trial to Prevent Vascular Events in HIV - REPRIEVE	93.837	225712	-	10,744
PPI Pharmaceuticals, LLC Polo-box PLK1 inhibitors target tumors resistant to ATP competitive compounds	93.395	11110-FA87		(382
Prisma Health-Midlands	33.333	11110-FA07	•	(382
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	51-8781_Contract No16775	•	104,819
SC Campaign to Prevent Teen Pregnancy Expanding the Reach of Effective Teen Pregnancy Prevention Programs in High Need South Carolina Communities (Tier 1B)				
(OAH1B)	93.297	1TP1AH000133-05-00	-	3,928
SC Center for Fathers and Families Fatherhood FIRE/H20 Program Evaluation	93.086	90ZJ0023-01-00		16,357
SC Department of Health & Environmental	33.000	30230023-01-00		10,557
CARE Evaluation of DHEC's Division of Oral Health - SC Takes Action to Improve Oral Health Outcomes Grant	93.366	4000045279 MC-20-006	-	45,756
DHEC SARS-CoV-2 Antibody Statewide Surveillance SC Muscular Dystrophy Surveillance, Tracking, and Research Network (SC MD STARnet) - DHEC Subcontract SC MD STARnet	93.323	DC-1-261	89,919	840,874
Component C – Enhanced Dissemination	93.315	PH-0-521 COMP C	-	19,095
SC Muscular Dystrophy Surveillance, Tracking, and Research Network (SC MD STARnet) DHEC Subcontract - SC MD STARnet	02.245	DU 0 520 50140 4		75.004
Component A – Surveillance South Carolina Muscular Dystrophy Surveillance System	93.315 93.315	PH-0-520 COMP A MC-20-005/ LR-2020-08		75,230 10,665
SC Department of Mental Health				
CHR-P Beckman Grant Evaluation CHR-P Beckman Grant Evaluation	93.243 93.243	4400022433/PO#4600796807 U00027262		30,135 31,668
Young Lives Matter	93.243	4400011923		21,744
Zero Suicide Initiative	93.243	1H79SM080341-01	-	70,039
SC Research Foundation Rural Health Research Center Cooperative Agreement 2014-2015	93.155	5U1CRH30539-04-00	2,163	244,613
Rural Health Research Center Program 2020	93.155	2U1CRH30539-05-00	-	310,609
Senex Biotechnology, Inc.	03 305	204464202494 0244		105.01
CDK8/19 inhibitors for therapy of advanced prostate cancer Southern Research Institute	93.395	2R44CA203184-02A1	•	165,616
Title: Allosteric modulators of dopamine transporter as therapeutic agents for NeuroAIDS	93.279	S20-15966USC-01	-	134,623
The Miriam Hospital Phone Coaching as a Rescue Strategy for Early Non-responders Enrolled in an Internet-delivered Weight Loss Program - Sub-				
contract with Brown University - Sub-contract with The Miriam Hospital	93.847	710-7147122		39,901
The Pennsylvania State University				
Test of an Innovative, Scalable Support Program for Parents with a Young Child Recently Diagnosed with Autism Spectrum Disorder	93.865	S000852-DHHS / HD099295		140,098
The Regents of the University of California	33.803	3000032-011137 110033233		140,030
Advancing Alzheimer's Family Caregiving Interventions and Research Capacity in Vietnam (sub to UC Davis)	93.866	A20-0448-S001	•	84,14
Food is Medicine: Randomized Trial of Medically-Tailored Food Support for Diabetes Health Integrative Functions of the Planum Temporale	93.847 93.173	12288sc 2015-3293		53,895 13,607
Intersection of Material-Need Insecurities and HIV and Cardiovascular Health	93.837	12483sc 1R01HL155226-01		78,687
Multisectoral Agricultural Intervention to Improve Food Security, Prevent Treatment Failure, and Reduce Co-morbidities Among People Living with HIV in Kenya	93.242	9343sc		/23
Nutrition-Enhanced Wellness DSMP (NEW-DSMP) Study	93.847	11987sc		(23 12,170
The University of Alabama				
Conformational Dynamics and Allosteric Regulation During Stress-responsive Metallocofactor Assembly frustees of Boston University	93.859	R01GM112919	•	151,040
Improving Accuracy and Reliability in Cancer Screening Tests	93.393	4500002637		22,339
University of Alabama-Birmingham				
Comprehensive Cancer Center Core Support Grant University of Arkansas for Medical Sciences	93.310	000527042-SP031-001	-	23,243
Data Coordinating and Operations Center for the ECHO IDeA States Pediatric Clinical Trials Network	93.310	54005-VDORA / 2U24OD024957-03	-	47,364
Data Coordinating and Operations Center for the ECHO IDeA States Pediatric Clinical Trials Network Genetic Variability in DHFR and Folic Acid Supplementation as Novel Risk Factors for Aggressive Prostate Cancer Subcontract w/	93.310	8U24OD024957-02	-	42,904
University of Ark	93.393	52603-USC		32,708
University of California, Davis				
Language in Fragile X Syndrome University of Central Florida	93.865	R01HD024356	•	180,323
Project Harmony: Family Strengthening Evaluation Team (FSET).	93.086	90ZB0009-01-00 14276A04		64,793
University of Central Florida Subaward: Project HARMONY	93.086	14276042-01	-	38,665
University of Chicago JCOIN Coordination and Translation Center - Community Stakeholder	93.279	1U2CDA050097-AWD101172		31,331
University of Connecticut	33.273	10203/03003/ //// 2011/2		31,331
Multi-Sectoral Agricultural Intervention to Improve Nutrition, Health, and Developmental Outcomes of HIV-infected and Affected				
Children in Western Kenya University of Illinois	93.242	R01MH109506-01	-	2,199
Maximizing Speech Recognition under Adverse Listening Conditions	93.173	R01DC015465		2,832
University of Iowa Neural Mechanisms of Vocal Communication in the Human Brain	93.173	1001620374/W000828030		8,245
University of Kansas Center for Research	55.175	1001020374/W0000828030		0,24.
Exposure and Emotion Regulation as Predictors of Adjustment to Trauma	93.242	FY2016-116	-	60,122
University of Kentucky				
Dynamic Signaling of NRG3-ErbB4 in the Hippocampus Mediates Nicotine Withdrawal Phenotypes (NIH/NIDA 1R01-DA044311)	93.279	PO 7800004925		18,843
University of Kentucky Markey Cancer Center - Cancer Center Support Grant	93.397	01349-20-077/PO7800005000	-	22,535
University of Maryland Targeted Manipulation of Brain KYNA by Genetic and Pharmacological Means: Biochemical and Functional Effects	93.242	3000027_Subaward_3782		137,587
University of Massachusetts	33.242	3000027_3db8w81d_3702		137,367
National implementation of FOYC+CImPACT in the Bahamas: implementation strategies and improved outcomes	93.865	OSP2018103	•	21,788
University of Michigan The Effect of Built and Social Environments on Childhood Obesity and Racial/Ethnic Disparities in the National Healthy				
Communities Study - Sub-contract with the University of Michigan	93.837	3005581808	-	(4,939
The Effect of Built and Social Environments on Childhood Obesity and Racial/Ethnic Disparities in the National Healthy				
Communities Study - Sub-contract with the University of Michigan The Effect of Built and Social Environments on Childhood Obesity and Racial/Ethnic Disparities in the National Healthy	93.837	3006119946		23,872
Communities Study - Sub-contract with the University of Michigan	93.837	SUBK00006463	-	10,958
T (T	93.393 93.393	3004806996 SUBK00010253 PO3005182052	-	5,158 34,700
The Impact of Tobacco Control Policies on Health Equity in the United States	93.393	3004173082		88,500
The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement				,
The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement University of Michigan Subaward: A Positive PATH (Promoting Activity and Trajectories of Health) for Children University of North Carolina at Chapel Hill	93.837			
The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement University of Michigan Subaward: A Positive PATH (Promoting Activity and Trajectories of Health) for Children University of North Carolina at Chapel Hill Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease	93.837 93.077	5115222	-	
The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement University of Michigan Subaward: A Positive PATH (Promoting Activity and Trajectories of Health) for Children University of North Carolina at Chapel Hill Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease	93.837		· ·	
The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement University of Michigan Subaward: A Positive PATH (Promoting Activity and Trajectories of Health) for Children University of North Carolina at Chapel Hill Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease NIH Center for AIDS Research (CFAR) Transforming the Carolinas: Preparing to End the Epidemic for Transgender People of Color	93.837 93.077 93.077 93.855	5115222 5118450 (Formerly 5115222) 5115497		17,073 11,776
The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement University of Michigan Subaward: A Positive PATH (Promotting Activity and Trajectories of Health) for Children University of North Carolina at Chapel Hill Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease NIH Center for AIDS Research (CFAR) Transforming the Carolinas: Preparing to End the Epidemic for Transgender People of Color Population-base Diabetes in Youth Registry	93.837 93.077 93.077 93.855 93.945	5115222 5118450 (Formerly 5115222) 5115497 5114241	:	17,073 11,776 12,429
The Impact of Tobacco Control Policies on Health Equity in the United States - Diversity Supplement University of Michigan Subaward: A Positive PATH (Promoting Activity and Trajectories of Health) for Children University of North Carolina at Chapel Hill Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease Little Cigar and Cigarillo Warnings to Reduce Tobacco-Related Cancers and Disease NIH Center for AIDS Research (CFAR) Transforming the Carolinas: Preparing to End the Epidemic for Transgender People of Color	93.837 93.077 93.077 93.855	5115222 5118450 (Formerly 5115222) 5115497	:	5,762 17,073 11,776 12,429 14,907

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
Research and Development Cluster, Continued				
US Department of Health & Human Services, continued				
Passed through programs from, continued:				
University of Tennessee Effectiveness of end-of-life strategies to improve pediatric health outcomes and reduce disparities in rural Appalachia	93.361	A21-0381-S001		36,136
R01 Concurrent Care with University of Tennessee Knoxville	93.361	A9-0157-S003	-	46,270
University of Texas Health Sciences Center Development and Validation of a Measure of Organizational Readiness (motivation x capacity) for Implementation	93.399	SA0000605/0014035A		106,558
University of Texas Medical Branch at Galveston	55.555	3A000003/0014033A		100,538
Enhancement of stem cell regenerative properties by hydrogen sulfide: a novel wound dressing to augment stem cell therapies				
University of Vermont	93.859	21-85231-01		24,429
Internet Assisted Obesity Treatment: Enhanced by Motivational Interviewing	93.847	29177SUB51777-2R0101DK56746-14	9,445	179,383
Upper Midlands Rural Health Network	02.242	U00027034		7.000
Catawba CMHC/Community Medicine Foundation Primary Care Initiative Evaluation of the Network Development Grant, Upper Midlands Rural Health Network	93.243 93.912	U00027034 U00026648		7,988 20,318
Vanderbilt University				
Gamifying Social Support to Promote Physical Activity Among Insufficiently Active African American Adults in the Southeast United States: A Mixed-Methods Approach	93.837	3P30DK020593-42S1 / VUMC90976		13,703
Virginia Commonwealth University	55.657	3F30DK020393-4231 / VOIVIC90970		13,703
Research Answers to NCI's Provocative Questions - Role of Circadian Factors in Inflammation and Colorectal Adenoma Risk - VCU				
Subcontract Wake Forest University Health Sciences	93.393	FP00014945_SA001		47,664
ImPact: Increased Monitoring of Physical Activity and Calories with Technology	93.847	100750-550121		27,673
Limited Competition for the Closeout of the SEARCH for Diabetes in Youth Cohort Study Subcontract with Wake Health	93.847	251-100710-553791		57,620
Wright State University SCH: kHealth: Semantic Multisensory Mobile Approach to Personalized Asthma Care	93.865	PO# P0063430 671072-1		150,585
Yale University	93.805	PO# P0063430 6/10/2-1	•	150,585
Image Guided Delivery of Bioresponsive Hydrogels	93.837	GR102135(CON-80001159)		47,902
Total US Department of Health & Human Services			8,401,064	49,600,979
US Department of Homeland Security				
Passed through programs from:				
SC Universities Research & Education Foundation	07.425	2042 DM 420 ME00-		
Nuclear Forensics Graduate Fellowship Program - Formerly MUSC Total US Department of Homeland Security	97.130	2012-DN-130-NF0001		38,084 38,084
Total O3 Department of Homeland Security				30,004
US Agency for International Development				
Passed through programs from:				
Chemonics International, Inc. Rule of Law Certificate Program STO-2	98.RD	SubIQC-168		(9,950)
Rule of Law Certificate Program STO-3 in Ukraine	98.RD	SUB-993	-	33,313
Total US Agency for International Development				23,363
Total Research and Development Cluster			\$ 14,128,904	\$ 95,255,203
Student Financial Aid Cluster US Department of Education				
Federal Supplemental Educational Opportunity Grants	84.007	None	\$ -	\$ 3,294,118
Federal Work-Study Program	84.033	None	-	1,381,426
Federal Perkins Loan Program	84.038	None	-	10,389,562
Federal Pell Grant Program Federal Direct Student Loans	84.063 84.268	None None	-	54,320,885 296,339,544
Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)	84.379	None	-	140,496
Postsecondary Education Scholarships for Veteran's Dependents (Iraq and Afghanistan Services Grant (IASG))	84.408	None		5,971
Total US Department of Education				365,872,002
US Department of Health & Human Services				
Nursing Faculty Loan Program	93.264	None	-	816,859
Health Professions Student Loan	93.342	None	-	829,657
Two Year Nursing Loan Program Four Year Nursing Loan Program	93.364 93.364	None None		11,353 861,216
Master Nursing Loan Program	93.364	None	-	192,041
Total US Department of Health & Human Services				2,711,126
Total Student Financial Aid Cluster			ė	\$ 368,583,128
Total Student Financial Aid Cluster			\$ -	\$ 308,383,128
Education Stabilization Fund under the Coronavirus Aid, Relief, and Economic Security Act Higher Education Emergency Relief Fund				
US Department of Education				
COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Aid Portion	84.425E	None	\$ -	\$ 21,918,500
COVID-19 HEERF Institutional Portion COVID-19 HEERF Strengthening Institutions Program (SIP)	84.425F 84.425M	None None		43,072,972 556,767
COVID-19 REERF Fund for the Improvement of Postsecondary Education (FIPSE) Formula Grant	84.425N	None		42,088
Total US Department of Education				65,590,327
				4 55 500 227
Total Education Stabilization Fund under the Coronavirus Aid, Relief, and Economic Security Act Higher Education Emergency	Kellet Fund		\$ -	\$ 65,590,327
Coronavirus Relief Funds under the CARES Act				
US Department of the Treasury				
Passed through programs from:				
State of South Carolina - Department of Administration COVID-19 SC CARES Federal Coronavirus Relief Fund	21.019	None		46,871,649
Total US Department of the Treasury	21.019	None		46,871,649
Total Coronavirus Relief Funds under the CARES Act			\$ -	\$ 46,871,649
Child Care and Davidonment Black Cluster				
Child Care and Development Block Cluster US Department of Health & Human Services				
Passed through programs from:				
SC Department of Social Services				
Emergency Operations Grant Application Building a Statewide System for Inclusion 2014-15	93.575 93.575	10010471 4400017016	\$ - 225,211	\$ 13,000 879,360
Building a Statewide System for Inclusion 2014-15 Child Care Data Collection and Analysis	93.575 93.575	440001/016 4400022334	- 225,211	879,360 384,142
DSS Emergency Operations Grant	93.575	10010830		13,192
Emergency Operations Grant ApplicAtion	93.575	10010953	-	18,496
Improve the Quality of Child Care for South Carolina Families 2019-20	93.575	4400013837	100.350	182,443
Management & Administration of the Child Care Resource and Referral Network 2014-2015 Research Services on the ABC Quality Program for 2020	93.575 93.575	4400012827 4400023559	100,250	2,376,106 134,576
SC Program for Infant Toddler Care: Impact Project for Early Childhood Workforce Development	93.575	4400024140	-	376,085
SC Program for Infant Toddler Care: Infant/Toddler Quality Improvement Initiative	93.575	4400024081	83,255	1,486,308
Total US Department of Health & Human Services			408,716	5,863,708
Total Child Care and Development Block Cluster			\$ 408,716	\$ 5,863,708

	Federal CFDA		Passed through to	
Federal grantor/pass-through grantor/program title	number	Grant Number	subrecipients	Expenditures
Economic Development Cluster				
US Department of Commerce				
COVID-19 Responding effectively to a crisis. Lessons learned from COVID-19 for SC's tourism and hospitality industry. Total US Department of Commerce	11.307	04-69-07566	<u>Ş -</u>	\$ 15,358 15,358
Total Economic Development Cluster			\$ -	\$ 15,358
Health Center Program Cluster				
US Department of Health & Human Services				
Passed through programs from: SC Primary Healthcare Association				
COVID-19 SCAgWHP-COVID 19 CHW Services	93.224	10010592	\$ -	\$ 9,310
Total US Department of Health & Human Services				9,310
Total Health Center Program Cluster			\$ -	\$ 9,310
Highway Planning and Construction Cluster				
US Department of Transportation				
Passed through programs from: Clemson University				
Adaptive Signal System Safety Impacts	20.205	1976-223-2012248	\$ -	\$ 16,634
Iowa State University Robust wireless skin sensor networks for long-term fatigue crack monitoring of bridges	20.205	022355C	-	17,777
SC Department of Transportation	20.205	4050	239,325	373,523
Calibration Of The Aashto Pavement Design Guide To South Carolina Conditions - Phase Ii Improving SCDOT Project Delivery through Identifying Potentially Suitable Locations for Mitigation and Standardizing Section	20.205	1869	259,525	
401/404 Permit Application Process	20.205	2070	-	130,053
Automatic Extraction of Vehicle, Bicycle, and Pedestrian Traffic from Video Data Pavement Performance Curves: Modeling Pavement Deterioration for SCDOT	20.205 20.205	2087 (Project No. 742) 2120		31,823 59,875
Administrative Services for Archsite II, 2020-2022	20.205	PO39906	-	35,118
Development of a Users Manual for Application of the South Carolina Unit Hydrograph Method Assessment of Structural Degradation for Bridges and Culverts	20.205 20.205	Research Project No. 738 Research Project No. 739	36,105	16,217 39,284
Strengthening South Carolina's Bridges	20.205	SPR 4-20	93,838	200,000
Utilization of Traffic Speed Deflectometer for Pavement Management Estimating AADT on Non-Coverage Roads	20.205 20.205	SPR 748 SPR 749	13,825	48,060 47,897
Safe and Cost-Effective Reduction of Load Postings for South Carolina Bridges	20.205	SPR 752	26,203	138,535
Total US Department of Transportation			409,296	1,154,796
Total Highway Planning and Construction Cluster			\$ 409,296	\$ 1,154,796
Medicaid Cluster				
US Department of Health & Human Services				
Passed through programs from: Francis Marion University				
Department of Health and Human Services Grant for a Branch Medical Campus of the SOM in Florence, SC	93.778	FRANCIS MARION	\$ -	\$ 1,217,986
SC Department of Health & Human Services PASOs Cultural Competence Services- DHHS bid	93.778	4400016376	_	39,261
SC Department of Health and Human Services and the Center for Child and Family Studies Medicaid Training for HHS Staff	93.778	A201812936A	-	2,672
For the Purchase and Provision of Education, Training and Management of the Alzheimer's Disease Registry Purchase And Provision Of Eligibility, Enrollment And Member Services Training	93.778 93.778	A20200088A A202012936A	-	200,578 462,523
SC Department of Health and Human Services Policy and Health Services Consultation Activities	93.778	A202013005A	-	44,471
SFY2020 SCDHHS Medicaid Eligibility Monitoring and Quality Improvement Contract DHHS/SCCAMRS Administrative Contract 2014/15	93.778 93.778	A20201425A A20211593A	-	8,235 274,765
UofSC SOM Access Improvement / Rural Outreach Initiatives In partnership with South Carolina Office of Rural Health	93.778	A20211599A	331,024	1,139,383
Training and Certification for Attendant Care Services SFY 2021-22 Medicaid Eligibility Monitoring and Quality Improvement Contract	93.778 93.778	A20220675A A20221425A	-	909,211 986,663
Technical Assistance And Support For Policy Research And Evaluation For The SC Medicaid Program	93.778	A202513005A	-	5,466,543
Outpatient Pediatric AIDS Clinic Services FY18-19 Developmental Evaluation Center Services 2015	93.778 93.778	C02746M C95755M	-	12,770 1
Total US Department of Health & Human Services	93.778	C95/55IVI	331,024	10,765,062
Total Medicaid Cluster			\$ 331,024	\$ 10,765,062
SNAP Cluster US Department of Agriculture				
Passed through programs from:				
SC Department of Social Services Project 1: Statewide SNAP-Ed Priority Indicators Evaluation	10.561	4400022822	\$ -	\$ 47,998
Project 3: Library Nutrition Support Implementation	10.561	4400022876	-	32,954
Project 4: FoodShare SC Maintenance and Sustainability Support Project 5: Food Policy Council Development, Maintenance, and Sustainability	10.561 10.561	4400022877 4400022914	-	25,558 44,105
Project 2: Health Clinic Nutrition Support Implementation	10.561	4400022981	-	24,315
Project 1. Statewide Priority Indicators Evaluation Project 5: Food Policy Councils	10.561 10.561	4400025129 / 5SC430417 4400025148	-	144,700 118,664
Project 6: Strengthening and Expanding Transportation	10.561	4400025160	-	40,594
Project 2: Health Clinic Nutrition Support Implementation Project 3: Library Nutrition Support Implementation	10.561 10.561	4400025170 / 5SC430417 4400025341 / 5SC430417	-	89,771 57,983
Project 4: FoodShare SC	10.561	4400025341 / 53C430417 4400025342 / 5SC430417	<u></u>	86,493
Total US Department of Agriculture				713,135
Total SNAP Cluster			\$ -	\$ 713,135
Special Education Cluster (IDEA)				
US Department of Education				
Passed through programs from: SC Department of Education				
Transition Alliance of South Carolina	84.027	10010155	\$ 17,356	\$ 492,016
Evaluation of South Carolina's State Systemic Improvement Plan Initiative South Carolina School Behavioral Health Alliance	84.027 84.027	15290FA20 FR #4000047465	-	35,198 392,570
SC Partnerships for Inclusion	84.027	SC DEPT OF EDUC	-	116,378
Transition Alliance of South Carolina South Carolina School Behavioral Health Alliance	84.027 84.027	TASC-U00026679 U00026793		7 (8)
Project CREATE	84.027	None		507,610
Total US Department of Education			17,356	1,543,771
Total Special Education Cluster (IDEA)			\$ 17,356	\$ 1,543,771
TRIO Cluster				
US Department of Education Student Support Services	84.042	P042A150221	\$ -	\$ 57,717
Student Support Services	84.042	P042A150362	-	28,104
Student Support Services	84.042	P042A150610	-	33,048 16,767
Student Support Services 2010-15 Grant-in-Aid Student Support Services 2010-2015	84.042 84.042	P042A150625-18 P042A151228		16,767 54,502

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
TRIO Cluster, Continued				
US Department of Education, continued				
Student Support Services	84.042	P042A200360	-	200,977
Student Support Services Program Student Support Services Grant	84.042 84.042	P042A201238 P042A201243	-	273,591 367,621
USC Salkehatchie Student Support Services (SSS) Program	84.042	P042A201243 P042A201304		164,901
Student Support Services 2020-2025	84.042	P042A201686		209,758
Talent Search Program	84.044	P044A160017	-	528,854
University of South Carolina Columbia Upward Bound Program	84.047	P047A170639	-	367,777
Upward Bound University of South Carolina Sumter Campus	84.047	P047A171401	-	280,084
USC Lancaster Upward Bound 2017 Ronald E. McNair Post-baccalaureate Achievement Program	84.047 84.217	P047A171434 P217A170015-19		221,821 193,326
Total US Department of Education	04.217	121/A1/0015-15		2,998,848
Total TRIO Cluster			ċ	\$ 2,998,848
iotal inio cluster			<u> </u>	3 2,330,040
WIOA Cluster				
US Department of Labor				
Passed through programs from:				
Upstate Workforce Investment Act ACHIEVE 2019-20	17.259	19Y603C4-UWB	\$ -	\$ 21,537
ACHIEVE 2020-21	17.259	20Y603C4-UWIB	-	400,796
Total US Department of Labor				422,333
Total WIOA Cluster			ς -	\$ 422,333
Total Mon district			<u> </u>	- 422,555
Other Programs				
US Department of Agriculture				
Five Acres in the Back 40 - Soil Health Technical Support and Education for Limited Resource and Minority South Carolina Farmers	10.902	68-4639-17-155	\$ -	\$ 93,084
			Ŧ	158
Merit or Myth Social Media Platform to Advance Soil Health in South Dakota Continue Educating on the Value of Soil Health Principles, the Economic and Environmental Benefits for Every Farm, and of the Far-	10.924	68-6740-17-009	-	
Reaching Benefits of Soil Health for Society	10.924	NR196740XXXXC004	-	52,254
Growing Resilience in South Dakota Grasslands and Farmlands	10.924	NR206740XXXXC005	-	205,500
Passed through programs from:				
SC Department of Agriculture Creating a bridge between specialty crop farms and e-commerce through increased branding strategies	10.170	AM180100XXXXG026		6,997
SC Department of Health & Environmental	10.170	AIW180100XXXXG026		0,997
DHEC WIC and PASOs Contract	10.557	PO# LR-2020-07 WC-20-002	47,749	163,805
Rural Utilities Service				
USC Palmetto College - RUS DLT Grant - 2020	10.855	SC0703-D16		25,154
Total US Department of Agriculture			47,749	546,952
US Department of Commerce				
USC Center for Applied Innovation and Advanced Analytics - i6	11.020	ED17HDQ0200091	-	10,498
EDA Grant - University Innovation Center Clusters	11.303	ED17ATL3030040	-	125,957
Passed through programs from:				
SE Coastal Ocean Observing Regional Association	44.000	(045) USG SUSUB BERAIRS 4		40.550
Southeast Coastal Ocean Observing Regional Association (SECOORA): Hurricane Supplemental - Repairs Total US Department of Commerce	11.022	(015)USC.GV.SUP.REPAIRS.1		19,560 156,015
Total of Department of Commerce				130,013
US Department of Defense				
Procurement Technical Assistance Program for Business Firms	12.002	SP4800-18-2-1882		(846)
Total US Department of Defense				(846)
US Department of Housing & Urban Development				
Passed through programs from:				
City of Columbia				
Housing Opportunities for Persons With AIDS	14.241	50861	143,193	387,103
Housing Opportunities for Persons With AIDS	14.241	SCH20-FHW001	-	46,325
Housing Opportunities for Persons With AIDS	14.241	U00026524	45,788	55,128
SC Department of Administration Mitigation Needs Assessment for CDBG-MIT Plan	14.228	U00027132		5,533
SC Department of Health & Environmental	14.220	000027132		3,333
DHEC Housing Opportunities for Persons with AIDS (HOPWA) Funding - Newberry County	14.241	10010806		4,596
DHEC Housing Opportunities for Persons with AIDS (HOPWA) Funding - Newberry County	14.241	10010052		14,062
Total US Department of Housing & Urban Development			188,981	512,747
US Department of Justice				
OS Department of Justice Passed through programs from:				
SC Department of Public Safety				
COVID-19 USC DLES COVID-19 Aid	16.034	1CF20014	-	11,845
Connection of Child Maltreatment and Juvenile Delinquency	16.540	1J18004	-	19,890
Deincarceration of Status Offenders in South Carolina Identifying and Responding to Juvenile Victims and High Risk Juveniles of Sex Trafficking in South Carolina	16.540 16.540	1J18007 1J18003	-	39,006 19,045
Identifying and Responding to Juvenile Victims and High Risk Juveniles of Sex Trafficking in South Carolina Identifying and Responding to Juvenile Victims and High Risk Juveniles of Sex Trafficking in South Carolina	16.540	1J18003	-	19,045 43,223
2018 Bulletproof Vest Partnership	16.607	10010363	-	18,513
2020 BulletProof Vest Partnership Award	16.607	10011079	-	2,190
SC Office of the Attorney General	46.535	11/10053		
SC VOCA 2019 - Expanding Advocacy at USC National Court Appointed Special Advocate	16.575	1V19063	-	(72)
National Court Appointed Special Advocate 2020 CASA Annual Survey Data Analysis and Reporting	16.756	51542	_	13,027
CASA Annual Survey Data Analysis and Reporting (ASDAR) and Gap Analysis Plus (GAP) Projects	16.756	51479	-	11,627
CASA Gap Analysis Project	16.756	31344		20,894
Total US Department of Justice				199,188
US Department of State				
Justice Sector Training, Research, and Coordination Plus (JusTRAC+) Program Project 1	19.703	SINLEC18CA2068		515,808
Passed through programs from:				,
East-West Management Institute, Inc.				
Justice Academy Curriculum Development in Armenia	19.703	SINLEC20CA3226-G1780201003034320	-	2,708
The Asia Foundation	19.705	32392.600.001		8.211
Building Capacity to Counter Illegal Mining in Mongolia Total US Department of State	15.705	52552.000.001		8,211 526,727
12 Separation of state				320,727
National Aeronautics & Space Administration				
Passed through programs from:				
College of Charleston	42.000	F34383 F04 FC004		F 00-
SCSGC STEM Outreach Award Total National Aeronautics & Space Administration	43.008	521383-SOA-SC001		5,992 5,992
Total Hallonal Actoriautics & Space Administration				3,332
National Endowment for the Humanities				
Conversations in Clay:The Past, Present and Future of Ceramic Art in SC	45.024	1809179-55-18	-	(5,308)
FOLKFabulous at the South Carolina State Fair	45.130	ZR-256701-18	-	16,337
The Digital Piranesi	45.149	PW-264046-19	-	146,431

eral grantor/pass-through grantor/program title er Programs, Continued attional Endowment for the Humanities, continued America's Reconstruction: The Untold Story Fabric of the Past: Weaving the Twentieth Century at the Beaumont Mill and Village in South Carolina Freedom's Lawmakers: Black Leadership during Reconstruction - Misremembering and Reclaiming Black Reconstruction Leadership. (July 5-25 2020) Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Historic Southern Naturalists: Bringing Southern History and Natural History Together Online Educational Quality through Instructional Partnerships (EQuIP): Assessing the Efficacy of Collaboratively Implemented Guided Inquiry Design on K-12 Student Learning Examining Public Library Service to LGBTQ Communities for Health-related Information Passed through programs from: SC Humanities Council Play on Words: An Aphasic Drama Group SC Humanities Bridge Emergency Relief Grant SCH Humanities Fast Track Literary Grant: Swan Con South Carolina Humanities Bridge Emergency Relief Grant SOUTH Carolina Humanities Bridge Emergency Relief Grant SOUTH Carolina Humanities Strigge Emergency Relief Grant Total National Endowment for the Humanities mall Business Administration CARES Act SBOE Funding Opportunity Announcement (State Director's Office) Office of Small Business Development Centers Program Announcement - 2015 (USC) SC Small Business Development Centers Program Announcement - SBA 2020 Funding Opportunity (State Director's Office - Lead Center) Total Small Business Development Centers Program Announcement - SBA 2021 Funding Opportunity (State Director's Office - Lead Center) Total Small Business Development Centers Program Announcement - SBA 2021 Funding Opportunity (State Director's Office - Lead Center) Total Small Business Administration SDepartment of Education The Asa Yoruba Project Rehabilitation Long-Term Training:	45.163 45.163 45.164 45.164 45.301 45.313 45.313 45.329 45.129 45.129 45.129 45.129 45.129 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037	E5-267039-19 BH-272365-20 E5-267151-19 10009891 BR-264610-19 MA-30-18-0048-18 RE-14-19-0001-19 RE-07-18-0066-18 19-1910-2 BER 20-81-6 20-1959-4 BER 20-55-6 21-2029-2 BER 20-57-6 SBAHQ20C0077 SBAHG19B0036 SBAHC-15-B0042 SBAHQ21B0049 SBAHQ1B0049 SBAHQ1B0049 SBAHQ19G0013	subrecipients	26,216 25,912 38,090 (7,250) 97,652 79,401 54,212 60,410 (573) 4,000 304 2,000 5,000 543,834 1,191,344 1,465 (618) 916,532 9,324
autional Endowment for the Humanities, continued America's Reconstruction: The Untold Story Fabric of the Past: Weaving the Twentieth Century at the Beaumont Mill and Village in South Carolina Freedom's Lawmakers: Black Leadership during Reconstruction - Misremembering and Reclaiming Black Reconstruction Leadership. (July 5-25 2020) Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Historic Southern Naturalists: Bringing Southern History and Natural History Together Online Educational Quality through instructional Partnerships (EQuiP): Assessing the Efficacy of Collaboratively Implemented Guided Inquiry Design on K-12 Student Learning Examining Public Library Service to LGBTQ Communities for Health-related Information Passed through programs from: SC Humanities Council Play on Words: An Aphasic Drama Group SC Humanities Strige Emergency Relief Grant SC Humanities Fast Track Literary Grant: Swan Con South Carolina Humanities Bridge Emergency Relief Grant Total National Endowment for the Humanities mall Business Administration CARES Act SBDC Funding Opportunity Announcement (State Director's Office) Office of Small Business Development Centers Program Announcement - 2019 (USC) Office of Small Business Development Centers Program Announcement - 2019 (USC) SC Small Business Development Centers Program Announcement - SBA 2020 Funding Opportunity (State Director's Office - Lead Center) FAST-2020-R-0014 - FAST SBA Federal and State Technology Program (FAST) - FY 2019 Total Small Business Administration SD Epartment of Education The Asa Yoruba Project Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina Carolina Family Engagement Center (FEC)	45.163 45.164 45.164 45.301 45.313 45.313 45.329 45.129 45.129 45.129 45.129 45.129 45.129 45.129 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.038	BH-272365-20 E5-267151-19 10009891 BR-264610-19 MA-30-18-0048-18 RE-14-19-0001-19 RE-07-18-0066-18 19-1910-2 BBR 20-81-6 20-1959-4 BER 20-55-6 21-2029-2 BER 20-57-6 SBAHQ20C0077 SBAHQ1980036 SBAHQ-15-80042 SBAHQ2180049 SBAHQ180049 SBAHQ180049 SBAHQ180049	6,900 	25,912 38,090 (7,250) 97,652 79,401 54,212 60,410 (573) 4,000 304 2,000 1,000 5,000 543,834 1,191,344 1,465 (618) 916,532 9,324
Fabric of the Past: Weaving the Twentieth Century at the Beaumont Mill and Village in South Carolina Freedom's Lawmakers: Black Leadership during Reconstruction - Misremembering and Reclaiming Black Reconstruction Leadership. (July 5-25 2020) Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Historic Southern Naturalists: Bringing Southern History and Natural History Together Online Educational Quality through Instructional Partnerships (EQuIP): Assessing the Efficacy of Collaboratively Implemented Guided Inquiry Design on K-12 Student Learning Examining Public Library Service to LBBTQ Communities for Health-related Information Passed through programs from: SC Humanities Council Play on Words: An Aphasic Drama Group SC Humanities Bridge Emergency Relief Grant SC Humanities Fast Track Literary Grant: Swan Con South Carolina Humanities Bridge Emergency Relief Grant South Carolina Humanities Bridge Emergency Relief Grant South Carolina Humanities Pridge Emergency Relief Grant Total National Endowment for the Humanities mall Business Administration CARES Act SBDC Funding Opportunity Announcement (State Director's Office) Office of Small Business Development Centers Program Announcement - 2015 (USC) SC Small Business Development Centers Program Announcement - 2015 (USC) SC Small Business Development Centers Program Announcement - SBA 2021 Funding Opportunity (State Director's Office - Lead Center) Total Small Business Development Centers Program Announcement - SBA 2021 Funding Opportunity (State Director's Office - Lead Center) Total Small Business Development Centers Program Announcement - SBA 2021 Funding Opportunity (State Director's Office - Lead Center) Total Small Business Development Centers Program Announcement - SBA 2021 Funding Opportunity (State Director's Office - Lead Center) Total Small Business Administration SDepartment of Education The Asa Yoruba Project Rehabilitation Norkforce Development: Increasing the Number of Qualified Voc	45.163 45.164 45.164 45.301 45.313 45.313 45.329 45.129 45.129 45.129 45.129 45.129 45.129 45.129 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.038	BH-272365-20 E5-267151-19 10009891 BR-264610-19 MA-30-18-0048-18 RE-14-19-0001-19 RE-07-18-0066-18 19-1910-2 BBR 20-81-6 20-1959-4 BER 20-55-6 21-2029-2 BER 20-57-6 SBAHQ20C0077 SBAHQ1980036 SBAHQ-15-80042 SBAHQ2180049 SBAHQ180049 SBAHQ180049 SBAHQ180049	6,900 	25,912 38,000 (7,250) 97,652 79,401 54,212 60,410 (573) 4,000 304 2,000 1,000 5,000 543,834 1,191,344 1,465 (618) 916,532 9,324
Freedom's Lawmakers: Black Leadership during Reconstruction - Misremembering and Reclaiming Black Reconstruction Leadership. (July 5-25 2020) Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Historic Southern Naturalists: Briging Southern History and Natural History Together Online Educational Quality through Instructional Partnerships (EQuIP): Assessing the Efficacy of Collaboratively Implemented Guided Inquiry Design on K-12 Student Learning Examining Public Ubrary Service to LGBTQ Communities for Health-related Information Passed through programs from: SC Humanities Founcil Play on Words: An Aphasic Drama Group SC Humanities Bridge Emergency Relief Grant South Carolina Humanities Bridge Emergency Relief Grant South Carolina Humanities Endrige Emergency Relief Grant Total National Endowment for the Humanities mall Business Administration CARES Act SBDC Funding Opportunity Announcement (State Director's Office) Office of Small Business Development Centers Program Announcement - 2019 (USC) Office of Small Business Development Centers Program Announcement - 2015 (USC) SC Small Business Development Centers Program Announcement - SBA 2020 Funding Opportunity (State Director's Office - Lead Center) FAST-2020-R-0014 - FAST SBA Federal and State Technology Program (FAST) - FY 2019 Total Small Business Administration S Department of Education The Asa Yoruba Project Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina Family Engagement Center (FEC)	45.163 45.164 45.164 45.301 45.313 45.313 45.129 45.129 45.129 45.129 45.129 45.129 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037	E5-267151-19 10009891 BR-264610-19 MA-30-18-0048-18 RE-14-19-0001-19 RE-07-18-0066-18 19-1910-2 BER 20-81-6 20-1959-4 BER 20-55-6 21-2029-2 BER 20-57-6 SBAHQ20C0077 SBAHG1980036 SBAHC15-B0042 SBAHQ20B0059 SBAHC21B0049 SBAGDIFT200022-01-00	6,900 	38,090 (7,250) 97,652 79,401 54,212 60,410 (573) 4,000 304 2,000 5,000 543,834 1,191,344 1,465 (618) 916,532 9,324
Free and Equal: The Promise of Reconstruction in America Free and Equal: The Promise of Reconstruction in America Historic Southern Naturalists: Bringing Southern History and Natural History Together Online Educational Quality through instructional Partnerships (EQuIP): Assessing the Efficacy of Collaboratively Implemented Guided Inquiry Design on K-12 Student Learning Examining Public Library Service to LGBTQ Communities for Health-related Information Passed through programs from: SC Humanities Council Play on Words: An Aphasic Drama Group SC Humanities Bridge Emergency Relief Grant SC Humanities Bridge Emergency Relief Grant SC Humanities Bridge Emergency Relief Grant South Carolina Humanities Bridge Emergency Relief Grant South Carolina Humanities Bridge Emergency Relief Grant South Carolina Humanities Bridge Emergency Relief Grant Total National Endowment for the Humanities mall Business Development Centers Program Announcement - 2019 (USC) Office of Small Business Development Centers Program Announcement - 2019 (USC) Office of Small Business Development Centers Program Announcement - 58A 2020 Funding Opportunity (USC) SC Small Business Development Centers Program Announcement - 58A 2020 Funding Opportunity (State Director's Office - Lead Center) FAST-2020-R-0014 - FAST SBA Federal and State Technology Program (FAST) - FY 2019 Total Small Business Administration SD Epartment of Education The Asa Yoruba Project Rehabilitation Unon-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals Vocacional Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina Family Engagement Center (CFEC)	45.164 45.164 45.301 45.313 45.313 45.329 45.129 45.129 45.129 45.129 45.129 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.037 59.038	10009891 BR-264610-19 MA-30-18-0048-18 RE-14-19-0001-19 RE-07-18-0066-18 19-1910-2 BER 20-81-6 20-1959-4 BER 20-55-6 21-2029-2 BER 20-57-6 SBAHQ20C0077 SBAHQ19B0036 SBAHQ-15-B0042 SBAHQ20B0059 SBAHC21B0049 SBAOIIFT200022-01-00	6,900 	(7,250) 97,652 79,401 54,212 60,410 (573) 4,000 304 2,000 1,000 5,000 543,834 1,191,344 1,465 (618) 916,532 9,324
Free and Equal: The Promise of Reconstruction in America Historic Southern Naturalists: Bringing Southern History and Natural History Together Online Educational Quality through instructional Partnerships (EQuIP): Assessing the Efficacy of Collaboratively Implemented Guided Inquiry Design on K-12 Student Learning Examining Public Library Service to LGBTQ Communities for Health-related Information Passed through programs from: SC Humanities Council Play on Words: An Aphasic Drama Group SC Humanities Bridge Emergency Relief Grant SC Humanities Fast Track Library Grant: Swan Con South Carolina Humanities Council Mini Grant: USCB Wirtual Interdisciplinary Conference on Race, Identity & Equality USCB Center for the Arts Bridge Emergency Relief Grant Total National Endowment for the Humanities mall Business Administration CARES Act SBDC Funding Opportunity Announcement (State Director's Office) Office of Small Business Development Centers Program Announcement-2019 (USC) Office of Small Business Development Centers Program Announcement-2019 (USC) SC Small	45.164 45.301 45.313 45.313 45.313 45.129 45.129 45.129 45.129 45.129 45.129 59.037 59.037 59.037 59.037 59.037 59.037 59.038	BR.766610-19 MA-30-18-0048-18 RE-14-19-0001-19 RE-07-18-0066-18 19-1910-2 BER 20-81-6 20-1959-4 BER 20-55-6 21-2029-2 BER 20-57-6 SBAHQ20C0077 SBAHQ19B0036 SBAHQ-15-B0042 SBAHQ20B0059 SBAHQ21B0049 SBAOIIFT200022-01-00	6,900 	97,652 79,401 54,212 60,410 (573) 4,000 304 2,000 5,000 543,834 1,191,344 1,465 (618) 916,532 9,324
Educational Quality through instructional Partnerships (EQuIP): Assessing the Efficacy of Collaboratively Implemented Guided Inquiry Design on K.12 Student Learning Examining Public Library Service to LGBTQ Communities for Health-related Information Passed through programs from: SC Humanities Council Play on Words: An Aphasic Drama Group SC Humanities Bridge Emergency Relief Grant SC Humanities Bridge Emergency Relief Grant SCH Carolina Humanities Bridge Emergency Relief Grant South Carolina Humanities Council Mini Grant: USCB Virtual Interdisciplinary Conference on Race, Identity & Equality USCB Center for the Arts Bridge Emergency Relief Grant Total National Endowment for the Humanities mall Business Administration CARES Act SBDC Funding Opportunity Announcement (State Director's Office) Office of Small Business Development Centers Program Announcement - 2019 (USC) Office of Small Business Development Centers Program Announcement - 2015 (USC) SC Small Business Development Centers Program Announcement - SBA 2020 Funding Opportunity (USC) SC Small Business Development Centers Program Announcement - SBA 2020 Funding Opportunity (State Director's Office - Lead Center) FAST-2020-R-0014 - FAST SBA Federal and State Technology Program (FAST) - FY 2019 Total Small Business Administration S Department of Education The Asa Yoruba Project Rehabilitation Unon-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals Vocacional Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina Family Engagement Center (FEE)	45.313 45.313 45.129 45.129 45.129 45.129 45.129 45.129 59.037 59.037 59.037 59.037 59.037 59.037 59.038 59.058	RE-14-19-0001-19 RE-07-18-0066-18 19-1910-2 BER 20-81-6 20-1959-4 BER 20-55-6 21-2029-2 BER 20-57-6 SBAHQ20C0077 SBAHQ1980036 SBAHQ-15-80042 SBAHQ2180049 SBAHQ180049 SBAHQ180049	91,400	54,212 60,410 (573) 4,000 304 2,000 5,000 543,834 1,191,344 1,465 (618) 916,532 9,324
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Center) FAST-2020-R-0014 - FAST SBA Federal and State Technology Program (FAST) - FY 2019 Total Small Business Administration S Department of Education The Asa Yoruba Project Rehabilitation Long-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals Vocational Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina (RSA LTT) Project INSPIRE: Increasing the STEM Potential of Individuals Who Read Braille Carolina Family Engagement Center (CFEC)	59.058 59.058 84.021	SBAOIIFT200022-01-00	- - -	
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S Department of Education The Asa Yoruba Project Rehabilitation Long-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals Vocational Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina (RSA LTT) Project INSPIRE: Increasing the STEM Potential of Individuals Who Read Braille Carolina Family Engagement Center (CFEC)				40,755 2,232,521
The Asa Yoruba Project Rehabilitation Long-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals Vocational Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina (RSA LTT) Project INSPIRE: Increasing the STEM Potential of Individuals Who Read Braille Carolina Family Engagement Center (CFEC)				2,232,321
Rehabilitation Long-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals Vocational Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina (RSA LTT) Project INSPIRE: Increasing the STEM Potential of Individuals Who Read Braille Carolina Family Engagement Center (CFEC)		0024 64 00022		650
Carolina (RSA LTT) Project Increasing the STEM Potential of Individuals Who Read Braille Carolina Family Engagement Center (CFEC)	84.129	P021A190033 H129H140008		650 7,000
Project INSPIRE: Increasing the STEM Potential of Individuals Who Read Braille Carolina Family Engagement Center (CFEC)	84.129	H129W150004		102,524
Carolina Family Engagement Center (CFEC)	84.235	H235E1090003		121,637
	84.310	U310A180058	74,652	1,048,397
Project FOCUS: Preparing Special Education Administrators with a Focus on Research to Practice in Transition Project FUSION: Preparing Special Education Leaders with a Focus on Research to Practice in Transition	84.325 84.325	H325D150006 H325D180021		90,807 319.378
Project IMPACT: Impacting Adult Life Outcomes for Individuals with Severe Disabilities	84.325	H325K160020		187,106
Project Promote: Promoting Policy, Advocacy and Legal Literacy Skills in Special Education Leaders to Serve in Schools and Communities	84.325	H325D180083	-	214,280
Student Parent Support Project	84.335	P335A190262	-	26,798
University of South Carolina – Transition to Teaching Residency (UofSC-T3) Project DRIVE- Developing a Robust, Inclusive Vision for Expansion: Moving Beyond Access to Enhanced College Opportunities and	84.336	U336S190031	-	580,206
Outcomes	84.407	P407A200007		148,076
Passed through programs from:				
Richland County School District Evaluation of the Med Pro 21 Magnet Program for Richland School District Two	84.165	20001503/19000794		111,648
SC Department of Education				
School Improvement Grant (SIG) Evaluation Plan SC Department of Health & Human Services	84.377	H63010010415	•	67,778
Team for Early Childhood Solutions Data System Management and Compliance Indicator Analysis	84.181	A202012946A	-	3,651
Team for Early Childhood Solutions Data System Management and Compliance Indicator Analysis SC Vocational Rehabilitation Department	84.181	A202112946A	•	364,453
Carolina LIFE-CAP	84.126	11571		130,410
Power UP! 2021 PowerUP! Career Academy for Students with Disabilities 2020: Curriculum, Training, and Logistics Work Scope	84.126 84.126	SCVRD #11671 SCVRD #11537		1,218 46,712
SC VRD Power UP! 2.0 Curriculum Design and Development	84.126	SCVRD #11588		126,628
University of Oregon Advancing School Mental Health and PBIS Together	84.326	282070H		165.395
Total US Department of Education	04.320	28207011	74,652	3,864,752
S Department of Health & Human Services				
UofSC School of Public Health Maternal and Child Health Catalyst Program	93.110	1T1CMC35361-01-00	-	60,763
Preventive Medicine and Public Health Training Program Traineeships for Nurse Anesthesia 2015	93.117 93.124	5D33HP26995-04-00 2A22HP30940-04-00	28,446	28,909 38,357
Improving the Health of People with Mobility Limitations and Intellectual Disabilities Through State-Based Public Health Programs	33.124	ZAZZIII 30340-04-00		30,337
	93.184	5NU27DD000011-04-00	67,413	131,648
Improving the Health of People with Mobility Limitations and Intellectual Disabilities Through State-Based Public Health Programs	93.184	5NU27DD000011-05-00	145,857	319,587
Screening, Brief Intervention, and Referral to Treatment (SBIRT) Medical Professional Training Program	93.243	14TI025374B	-	(70,823)
Developing a APRN/FQHC Practice Training Partnership Developing a APRN/FQHC Practice Training Partnership	93.247 93.247	2T94HP30919-03-00 5 T94HP309190400	37,104 109,771	51,942 537,550
South Carolina Poison Center Support and Enhancement Project - (Award Transfer from SCRF to UofSC)	93.253	7H4BHS45171-01-00	-	69,497
Project Experiential SHiNE: Simulation and Social determinants of Health in Nursing Education Rural Interprofessional Behavioral Health Scholars (RIBHS) Program.	93.359 93.732	1U4EHP40019-01-00 5M01HP31378-03-00	8,000	146,719 61,083
Rural Interprofessional Behavioral Health Scholars (RIBHS) Program.	93.732	5M01HP31378-04-00	-	343,446
SC Communities Unite to Increase CRC Screening National Bioterrorism Hospital Preparedness Program	93.800 93.889	1NU58DP006766-01-00 None	162,507	640,660 519,826
Passed through programs from:	33.003	None		313,020
Administration for Community Living	02.454	4004554755.00		00.400
South Carolina Assistive Technology Program South Carolina Assistive Technology Program	93.464 93.464	1901SCATSG-00 2001SCATSG-00		90,100 445,843
South Carolina Partnership for Inclusive and Healthy Adult Transitions for Young Adults (SCPIHAT) with Intellectual Disabilities and				
Developmental Disabilities (ID/DD) South Carolina University Center for Excellence in Developmental Disabilities	93.632 93.632	90DDUC0087-01-00 90DDUC0003-03-00		27,371 1,090
South Carolina University Center for Excellence in Developmental Disabilities	93.632	90DDUC0003-04-00		570,608
American Association of Medical Colleges	02.057	CT 2201C 10 04		1.000
Root Cause - Partnering for Community Health CDC Foundation	93.967	GT-32016-19-04	-	1,660
CDC Foundation Medicaid Analysis 2019	93.421	4001.01.01.04	-	3,802
Centre for Integrated Health Programs Nigeria subcontract	93.067	U2GGH002097-01	-	84,845
Children's Trust Fund of South Carolina				
Community Support for Young Parents (CSYP-II) Evaluation Children's Trust MIECHV Expanded Workforce Evaluation Part I	93.500 93.870	11500FL60 c-MIEC-F-2018-SCRHC		(37) 4,629
	93.870	X10MC33608/C-MIECHV-2019-PASOS		28,809
MIECHV Children's Trust PASOs	93.870	C-MIEC-F-2018-PASOS	-	17,377
MIECHY Children's Trust PASOs PASOs MIECHY 2019-2020 Christopher & Dana Reeve Foundation		90PRRC0002-03-00		

eral grantor/pass-through grantor/program title	Federal CFDA number	Grant Number	Passed through to subrecipients	Expenditures
er Programs, Continued S Department of Health & Human Services, continued Passed through programs from, continued:				
Clemson University				
Project EMPOWER - Engaging Medicine Providers On Ways to Enhance Recovery Fact Forward	93.243	2063-209-2012877	-	40,67
The Hubb at USC Lancaster	93.092	1901SCPREP	-	8,07
emPOWERed SC: Creating Linkages for Youth of Color in South Carolina	93.297 93.297	1 TP2AH000064-01-00		33,13 15,00
Achieving Optimal Health and Preventing Teen Pregnancy in Key Priority Areas (AH-TP2-20-002) Optimally Changing the Map for Teen Pregnancy Prevention (AH-TP1-20-001)	93.297	1 TP2AH000064-01-00 1 TP1AH000216-01-00		15,00
Family Connection of SC				
Program Evaluation for Family Connection of South Carolina LRADAC	93.504	15900FL56		4,0
Proposal to Serve as Outside Evaluator on Transitional Youth Services	93.243	10009569	-	1,8
Proposal to Serve as Outside Evaluator on Transitional Youth Services Evaluation Services Proposal for LRADAC's Community Services Department	93.243 93.788	10010333 10011005		9,7 1,4
Mary Black Foundation	33.766	10011003		1,4
Evaluation Services for Mary Black Foundation's OAH1B Grant	93.297	TP1AH000119-01-00		(1
Medical University of South Carolina Model State-Supported AHEC Program - USC Subaward	93.107	A00-0136-S001	17,389	38,5
Leadership Education in Neurodevelopmental and Related Disorders (LEND)Subcontract	93.110	5T73MC22233-10-00 A00-0188-S002	-	133,5
National Network of Public Health Institute				
Feasibility of Creating Small Area Estimates Using Weighted, Multilevel Prediction Models: an Application for the National Survey of Children's Health Phase II	93.421	G1418		40,8
Palmetto Care Connections				
Evaluation of the Network Development Grant, Palmetto Care Connections	93.912	10010489	-	13,3
Prisma Health - Upstate Project TRANSFORM (Teaching Recovery-informed Addiction Care And Negating Stigma FOR Medical Professionals)	93.243	5219-2 H79FG000004		40,6
SC Court Administration				,.
Court Improvement Basic Grant	93.586	2019G996437/2019G996471	-	38,8
Court Improvement Program Training Grant Court Improvement Basic Grant	93.586 93.586	2019G991513 2020G996437/2020G996471	-	35,2 123,5
Court Improvement Training Grant	93.586	2020G991513	-	94,9
SC Department of Alcohol & Other Drug Abuse				
Assessing Alternative Payment Models to Finance Opioid Use Disorder Treatment SC Department of Health & Environmental Control	93.788	CA-SOR-21	-	24,0
Evaluation Services for the Personal Responsibility Education Program (PREP)	93.092	MC-1-007/FR#4000046267	-	39,2
Evaluation Services for Sexual Risk Avoidance Education (SRAE)	93.092	MC-1-008/FR#4000046268	-	43,5
Nemours Healthy Kids Healthy Future Technical Assistance Program Aeroclave Decontamination Unit	93.421 93.889	5NU38OT000304-03-00 ML-1-269 / 6U3REP190593-01-03	-	9,: 17,0
Ryan White HIV/AIDS Treatment Extension Act - Part B Supplemental Funds	93.917	10010778	-	106,
Ryan White HIV/AIDS Treatment Extension Act - Part B Supplemental Funds	93.917	10010779	-	76,
Ryan White HIV/AIDS Treatment Extension Act - Part B Supplemental Funds Ryan White Treatment Extension Act - Part B ADAP Insurance Assistance Program	93.917 93.917	10010780 HV-0-611	4,205,529	2, 4,205,
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-7-778	4,203,323	4,203,
Ryan White HIV/AIDS Treatment Extension Act - Part B Supplemental Funds	93.917	HV-9-601/4100081834	803,813	2,013,
Perinatal HIV Prevention: Comprehensive Risk Counseling and Services Provision of Case Management Training	93.940 93.994	HV-7-558 MC-17-008 PO#RJN-2017-04	-	153,1 26,1
SC Department of Social Services	33.334	WC-17-008 TO#IGIV-2017-04		20,
Preschool Development Grant (PDG-B5)	93.434	4400025026	430,000	459,5
South Carolina Preschool Development Grant (PDG) Needs Assessment Preschool Development Grant: MIX EC: Multi-Systems Inclusion Expansion for Early Childhood	93.434 93.434	4400025205 4400025218	7,500 80,813	212,4 375,8
PDG - SC CCR&R Family Child Care Community of Practice	93.575	4400026259	-	2,
DSS - CJA Operation of CLC	93.643	4400024679	-	171,
DSS - CJA Support of Task Force SC Developmental Disabilities Council	93.643	4400024720	-	86,9
SC Developmental Disability Council Professional Services	93.043	10010296	-	28,
IMPACT SC Self-Advocacy Initiatives	93.630	10-21-055	-	23,7
Model for Employment Training Advancement SC First Steps	93.630	10-21-0006	-	41,9
Countdown to Kindergarten Quasi-Experimental Evaluation	93.434	FR# 4000048258	-	20,2
PASOs Connections for Childhood Development Program and First Steps-PDG	93.434	10010724	-	1,:
SC Research Foundation Palmetto Poison Center CARES Funding	93.253	1H4CHS37363-01-00		69,
South Carolina Poison Center Support and Enhancement Project	93.253	2H4BHS15545-11-00	-	41,
South Carolina Poison Center Support and Enhancement Project	93.253	5H4BHS15545-12-00	-	169,
Spartanburg School District 7 Mary Black Foundation Implementation of YRBS, School Health Profiles, and Sexual Health Curriculam	93.079	10010484		16,
Mary Black Foundation Implementation of YRBS, School Health Profiles, and Sexual Health Curriculam	93.079	U00027003	-	7,
Substance Abuse & Mental Health Services				
Garrett Lee Smith Campus Suicide Prevention Garrett Lee Smith Campus Suicide Prevention	93.243 93.243	5H79SM080473-02 5H79SM080473-03	-	49, 58,
University of Alabama-Birmingham	33.243	311733IVI000473-03		36,
An Innovative Approach to Inclusive Health	93.184	000512145-007	-	
University of Kentucky Nurse, Education, Practice, Quality and Retention - Registered Nurses in Primary Care	93.359	PO7800005469 3200003255-21-095		34,4
University of North Carolina at Chapel Hill	55.555	FO7800003409 3200003233-21-093		34,
Nursing Workforce Diversity - University of North Carolina at Chapel Hill	93.178	5117900 5D19HP308610400	-	23,
Vanderbilt University South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - AETC Base (Competing Renewal)	93.145	U10HA30535 - VUMC56743	4,262	315,0
COVID-19 South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - AETC COVID Supplement	93.145	VUMC85636	4,202	24,7
Total US Department of Health & Human Services			6,108,404	13,866,5
lepartment of Homeland Security				
saster Grants - Public Assistance (Presidentially Declared Disasters)	97.036	None	-	20,
assed through programs from:				
SC Emergency Management Division USC Emergency Sirens and Notifications	97.036	FEMA-4241-DR-SC		(3,
USC Sumter Emergency Siren	97.036	FEMA-4286-DR-SC	-	(1,
	97.039	FEMA-4286-DR-SC	-	(3,
Upstate Emergency Siren System		FEMA-4286-DR-SC		(1
USC Aiken Emergency Generator	97.039 97.039	FFMA-4286-DR-SC		(2
	97.039 97.039 97.039	FEMA-4286-DR-SC FEMA-DR-4166-SC-026	-	و
USC Aiken Emergency Generator USC Aiken Emergency Siren USC Lancaster Emergency Warning System USC Salkehatchie Hazard Mittigation Emergency Warning System	97.039 97.039 97.039	FEMA-DR-4166-SC-026 4166-DR-SC		1,2
USC Alken Emergency Generator USC Alken Emergency Siren USC Lancaster Emergency Warning System USC Salkehatchie Hazard Mitigation Emergency Warning System USC Union Emergency Notification System	97.039 97.039	FEMA-DR-4166-SC-026	- - -	1,2
USC. Alken Emergency Generator USC Alken Emergency Siren USC Lancaster Emergency Warning System USC Salkehatchie Hazard Mitigation Emergency Warning System USC Unlone Emergency Notification System Total US Department of Homeland Security	97.039 97.039 97.039	FEMA-DR-4166-SC-026 4166-DR-SC		14,8
USC. Alken Emergency Generator USC Alken Emergency Siren USC Lancaster Emergency Warning System USC Salkehatchie Hazard Mitigation Emergency Warning System USC Union Emergency Notification System	97.039 97.039 97.039	FEMA-DR-4166-SC-026 4166-DR-SC	\$ 6,511,186	1,2

Notes to Schedule of Expenditures of Federal Awards For the year ended June 30, 2021

Note 1. Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards (the Schedule) includes the federal award activity of the University of South Carolina (the University) under programs of the federal government for the year ended June 30, 2021 and is presented on the cash basis of accounting. The information in the Schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Because the Schedule presents only a selected portion of the operations of the University, it is not intended to and does not present the financial position, changes in net position, or cash flows of the University.

Note 2. Summary of Significant Accounting Policies for Expenditures of Federal Awards

Expenditures in the Schedule are determined using the cost accounting principles and procedures set forth in OMB Circular A-21, *Cost Principles for Educational Institutions* or in *Uniform Guidance*, as applicable, wherein, certain expenditures are not allowable or are limited as to reimbursement.

Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years.

Expenditures for student financial aid programs include the federal share of students' Federal Supplemental Educational Opportunity Grant (FSEOG) program grants and Federal Work Study (FWS) program earnings, certain other federal financial aid for students and administrative cost allowances, where applicable.

Expenditures for nonfinancial aid awards include indirect costs, related primarily to facilities operation and maintenance and general, divisional and departmental administrative services, which are allocated to direct cost objectives (including federal awards) based on negotiated formulas commonly referred to as facilities and administrative cost rates. Facilities and administrative costs allocated to such awards for the year ended June 30, 2020 were based on predetermined fixed rates negotiated with the University's cognizant federal agency. The University has elected not to use the 10 percent de minimis indirect cost rate as allowed under the Uniform Guidance.

Note 3. Federal Student Loan Programs

The federal student loan programs listed subsequently are administered directly by the University and the balances and transactions relating to the programs are included in the University's financial statements. Federal expenditures reported on the face of the Schedule include loans outstanding at the beginning of the year, loans made during the year, loan cancellations, interest subsidies and administrative expenses. The balance of loans outstanding at June 30, 2021 consists of:

Outstanding

Number	Program Name	В	Balance at ne 30, 2021
04.020	F. L. al P. Hisalana	<u></u>	7.027.020
84.038	Federal Perkins Loan	\$	7,037,939
93.364	Nursing Student Loans		931,774
93.342	Health Professions Student Loans		728,263
93.264	Nurse Faculty Loan Program		727,014

Notes to Schedule of Expenditures of Federal Awards For the year ended June 30, 2021

Note 3. Federal Student Loan Programs, Continued

Due to the expiration of the Federal Perkins Loan Program on September 30, 2017, the University did not disburse any Perkins loans to students during the year ended June 30, 2021. Schools have the option of continuing to collect on outstanding loan balance or can voluntarily liquidate the program. The University has no current plans to begin the Perkins liquidation process. However, the University is required to periodically return excess cash on hand from the program to the Department of Education.

The University also participates in the Federal Direct Student Loans (Direct Loans) Program (CFDA Number 84.268) of the Department of Education, which includes subsidized and unsubsidized Federal Stafford Loans and Federal PLUS Loans. Under the Direct Loans Program, the University is responsible only for certain administrative duties, accordingly, the disbursements under the Direct Loans Program and the outstanding loan balances are excluded from the financial statements of the University.

Note 4. Contingencies

The University receives funds under various federal grant programs, and such awards are to be expended in accordance with the provisions of the various grants. Compliance with the grants is subject to audit by various government agencies which may impose sanctions in the event of non-compliance. Management believes that they have complied with all aspects of the various grant provisions, and the results of adjustments, if any, relating to such audits would not have any material financial impact.



Independent Auditor's Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed In Accordance With Government Auditing Standards

The Board of Trustees University of South Carolina Columbia, South Carolina

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards issued by the Comptroller General of the United States, the financial statements of the business-type activities and the aggregate discretely presented component units of the University of South Carolina (the University), as of and for the year ended June 30, 2021, and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated September 30, 2021. Our report includes a reference to other auditors who audited the financial statements of the South Carolina Research Foundation; University of South Carolina School of Medicine Educational Trust (the Trust); the University of South Carolina Educational Foundation; the Greater University of South Carolina Alumni Association; the USC Upstate Foundation and Supporting Organization; and the Educational Foundation of the University of South Carolina-Lancaster, (collectively referred to as the Trust and the Foundations), as described in our report on the University's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors. The financial statements of the Trust, the Beaufort-Jasper Higher Education Commission, the Gamecock Club of the University of South Carolina, and the Foundations, excluding the South Carolina Research Foundation, were not audited in accordance with Government Auditing Standards.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Columbia, South Carolina September 30, 2021

Elliott Davis, LLC



Independent Auditor's Report on Compliance for Each Major Federal Program; Report on Internal Control Over Compliance; and Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

The Board of Trustees University of South Carolina Columbia, South Carolina

Report on Compliance for Each Major Federal Program

We have audited the University of South Carolina's (the University) compliance with the types of compliance requirements described in the U.S. Office of Management and Budget (OMB) Compliance Supplement that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2021. The University's major federal programs are identified in the summary of auditor's results section of the accompanying Schedule of Findings and Questioned Costs.

The University's basic financial statements include the operations of the South Carolina Research Foundation (the Foundation), which expended approximately \$1.1 million in federal awards which is not included in the Schedule of Expenditures of Federal Awards during the year ended June 30, 2021. Our audit, described below, did not include the operations of the Foundation because the component unit engaged other auditors to perform an audit of compliance.

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations, and the terms and conditions of its federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the University's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the University's compliance.

Opinion on Each Major Federal Program

In our opinion, the University complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2021.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying Schedule of Findings and Questioned Costs as items 2021-001, 2021-002 and 2021-003. Our opinion on each major federal program is not modified with respect to these matters.

The University's response to the noncompliance findings identified in our audit is described in the accompanying Schedule of Findings and Questioned Costs. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

Management of the University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that have not been identified. However, we did identify certain deficiencies in internal control over compliance, described in the accompanying Schedule of Findings and Questioned Costs as items 2021-001, 2021-002 and 2021-003, that we consider to be significant deficiencies.

The University's response to the internal control over compliance findings identified in our audit are described in the accompanying Schedule of Findings and Questioned Costs. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

We have audited the financial statements of the business-type activities and the aggregate discretely presented component units of the University, a component unit of the State of South Carolina, as of and for the year ended June 30, 2021, and have issued our report thereon dated September 30, 2021, which contained unmodified opinions on those financial statements. We did not audit the financial statements of the South Carolina Research Foundation; the University of South Carolina School of Medicine Educational Trust; the University of South Carolina Development Foundation; the University of South Carolina Educational Foundation; the Greater University of South Carolina Alumni Association; the USC Upstate Foundation and Supporting Organization; and the Educational Foundation of the University of South Carolina-Lancaster, which are discretely presented component units of the University. Those statements were audited by other auditors whose reports have been furnished to us, and our opinions, insofar as they relate to the amounts included for these discretely presented component units, are based solely on the reports of the other auditors. Our audit was conducted for the purpose of forming opinions on the financial statements as a whole. The accompanying Schedule of Expenditures of Federal Awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedule of Expenditure of Federal Awards is fairly stated in all material respects in relation to the financial statements as a whole.

Columbia, South Carolina

Elliott Davis, LLC

March 30, 2022

Schedule of Findings and Questioned Costs For the year ended June 30, 2021

I. Summary of Auditor's Results

Financial Statements

(a.) Type of auditor's report: Unmodified

(b.) Internal control over financial reporting:

1) Material weaknesses identified?

2) Significant deficiencies identified? None reported

(c.) Noncompliance material to financial statements noted?

Federal Awards

(a.) Internal control over major federal programs:

Material weaknesses identified?
 Significant deficiencies identified?
 Yes

(b.) Type of auditor's report issued on compliance for major federal programs: Unmodified

(c.) Audit findings that are required to be reported in accordance with 2 CFR 200.516 (a)? Yes

(d.) Identification of major federal programs:

		Name of federal	
	CFDA Numbers	program or cluster	
	84.007; 84.033; 84.038;		
	84.063; 84.268; 84.379;		
	84.408; 93.264; 93.342;		
	93.364	Student Financial Assistance Clu	ster
	93.778	Medicaid Cluster	
	21.019	COVID-19 - Coronavirus Relief Fo	und
	84.425E; 84.425F; 84.425M; 84.425N	COVID-19 - Education Stabilizati	on Fund
(e.)	Dollar threshold used to distinguish between	type A and type B programs:	\$3,000,000
(f.)	Auditee qualified as low risk auditee?		No

Schedule of Findings and Questioned Costs For the year ended June 30, 2021

II. Financial Statement Findings

None reported.

III. Federal Award Findings and Questioned Costs

Finding 2021-001 Fiscal Operations Report and Application to Participate (FISAP)

Federal Agency: Department of Education

Program: Student Financial Assistance Cluster (all programs)

Criteria or Specific Requirement:

According to 34 CFR 673.3, an institution is required to file an application to participate in the Federal Perkins Loan (FPL), Federal Work-Study (FWS), and Federal Supplemental Education Opportunity Grant (FSEOG) programs, which includes all information required by the Department of Education. In addition, Uniform Guidance in 2 CFR 200.303, requires nonfederal entities receiving federal awards to establish and maintain effective internal control designed to reasonably ensure compliance with federal laws, regulations and program compliance requirements. Effective internal controls should include procedures to ensure amounts reported in the FISAP are adequately supported.

The 2020-2021 FISAP instructions for the 2019-2020 Operations Report for Part II, Section E, Line 24, require institutions to report the amount of state grants and scholarships expended for the award year, excluding any state awards for which the school has the final decision on which students receive the funds.

Condition/Context:

The FISAP is submitted annually to report award expenditures for the previous year and to apply to participate in the following year. The University submits five separate FISAPs: one for each four-year campus (Columbia, Aiken, Beaufort, and Upstate), and one that includes all of the two-year campuses (Regionals). During our testing of the FISAPs for the award year ended June 30, 2020, we noted that USC Upstate improperly excluded Teaching Fellows from Part II, Section E, Line 24 of the report submitted, thereby understating expenditures on this line by \$225,150.

Cause: USC Upstate did not have adequate internal controls in place to allow for proper review

and verification of the report's accuracy.

Effect: Although this finding has no current year impact on funding, errors in the amounts

reported on the FISAP result in noncompliance and inhibit the ability of the Department of Education to properly monitor and evaluate the performance of the campus-based programs. The lack of internal controls over the FISAP preparation and review process could result in misstated line items that do impact the amount of funding awarded to

the University.

Questioned Costs: \$0

Schedule of Findings and Questioned Costs For the year ended June 30, 2021

III. Federal Award Findings and Questioned Costs, Continued

Finding 2021-001 Fiscal Operations Report and Application to Participate (FISAP), Continued

Identification as a repeat finding, if

applicable: Not a repeat finding.

Recommendation: We recommend that procedures be implemented and internal controls strengthened to

ensure that the information on the FISAP is accurately reported in accordance with the

FISAP instructions and agrees to the University's records.

Views of Responsible

Officials: Management agrees with the finding and recommendation and has strengthened the

process that was implemented for the FISAP review. Additional staff have been trained in the FISAP reporting requirements, to include review of past FISAPs to ensure a thorough understanding of categories to be reported, and now collaborate on the review process prior to signing off on the report prior to submission. These procedures will be followed, and the multi-layered review will further improve controls over the

annual review process.

Finding 2021-002 Enrollment Reporting

Federal Agency: Department of Education

Program: Student Financial Assistance Cluster – Federal Pell Grant Program (CFDA No. 84.063) and

Federal Direct Student Loans (CFDA No. 84.268)

Criteria or Specific

Requirement: The National Student Loan Data System (NSLDS) is the U.S. Department of Education's

centralized database for students' enrollment information. For students who receive Title IV aid, the University is required to report enrollment status changes to the NSLDS in a timely and accurate manner. These changes include reductions or increases in attendance levels, withdrawals, graduations, or approved leaves-of-absences. The University utilizes the National Student Clearinghouse (the "Clearinghouse") as a service provider for transmissions of its enrollment reporting changes to the NSLDS. The University is ultimately responsible for the timeliness and accuracy of this information even when a third-party servicer is used as an intermediary to report on the University's

behalf.

Condition: The USC Aiken and USC Columbia campuses each reported an incorrect withdrawal date

to the NSLDS for a student who received Title IV aid and withdrew during the fiscal year

ending June 30, 2021.

Schedule of Findings and Questioned Costs For the year ended June 30, 2021

III. Federal Award Findings and Questioned Costs, Continued

Finding 2021-002 Enrollment Reporting, Continued

Cause: The University receives the Enrollment Reporting Roster every 60 days and updates it

for changes in student status. The file is sent to the Clearinghouse, and NSLDS pulls from the Clearinghouse the first business week of each month. When students unofficially withdraw, the University is typically not aware until after the semester has ended, when various procedures are done to identify these students. Therefore, the responsible personnel must manually update NSLDS retroactively for these students' withdrawal dates. In both instances noted in the condition above, the student unofficially withdrew and the correct withdrawal date was reported initially, but was subsequently overridden with another (incorrect) date. These campuses did not have adequate internal controls in place over the enrollment reporting processes to allow for proper review of these

manual updates.

Effect: A student's enrollment status determines eligibility for in-school status, deferment, and

grace periods, as well as for the payment of interest subsidies to FFEL Program loan holders by ED. Inaccurate reporting of student enrollment status changes could result in

incorrect deferment, grace periods, billing, and repayment of student loans.

Questioned Costs: \$0

Identification as a repeat finding, if applicable:

Although some circumstances may differ, this finding is substantially the same as finding

2020-001 that was reported the prior year.

Context: Of the 877 students who received Title IV aid and withdrew during the period July 1,

2020 through June 30, 2021, we examined 60 students' files and determined that incorrect withdrawal dates were reported to the NSLDS for 2 students. Differences in

dates ranged from 30 days to 46 days.

Recommendation: Regular internal review of students who unofficially withdrew and are manually updated

in NSLDS is recommended to ensure that the procedures in place are operating

effectively and that federal requirements are being met.

Views of Responsible

Officials:

Management agrees with the finding. Fall 2020 was the first term the new Unofficial Withdrawal process started. This process used an existing Banner System Title IV report as well as manually looking up withdrawn information from a course registration audit Banner form.

At the time, manually updating included: Updating Banner Enrollment Status for Course Registration and Student Withdrawal (FA) to Unofficial Withdrawal status. Updating NSLDS by each campus and then providing the students and dates to Columbia

Registrar's office to update the Clearinghouse.

Schedule of Findings and Questioned Costs For the year ended June 30, 2021

III. Federal Award Findings and Questioned Costs, Continued

Finding 2021-002 Enrollment Reporting, Continued

The two students (one by Aiken and one by Columbia) with the incorrect dates were manual updates to NSLDS. The correct dates were initially entered, but by rechecking the list of students, the incorrect date was entered with another student's date that was either above or below the line the on the spreadsheet. Aiken and Columbia will make corrections.

Finding 2021-003 Lost Revenue

Federal Agency: Department of Education

Program: COVID-19 HEERF Institutional Portion (CFDA No. 84.425F)

Criteria or Specific Requirement:

The Coronavirus Response and Relief Supplemental Appropriations Act, 2021 (CRRSAA) section 314(d)(2) allowed for previously awarded Coronavirus Aid, Relief, and Economic Security (CARES) Act funds to be retroactively used for the allowable uses under CRRSAA, including reimbursement of lost revenue. Lost revenue refers to those revenues an institution of higher education otherwise expected but were reduced or eliminated as a result of the novel coronavirus 2019 (COVID-19) pandemic. As such, lost revenues can only be estimated. Certain potential sources of lost revenue were not reimbursable under the HEERF grant program.

Condition: Original calculations prepared by the University included certain sources of lost revenue

which were not considered to be reimbursable under the HEERF grant program.

Cause: Lost revenue was newly allowable for reimbursement in fiscal year 2021 with limited

guidance, which is constantly evolving.

Effect: The University's lost revenue calculations required revision to align with the applicable

compliance requirements and exclude certain sources of lost revenue which were not

considered to be reimbursable under the HEERF grant program.

Questioned Costs: \$0

Schedule of Findings and Questioned Costs For the year ended June 30, 2021

III. Federal Award Findings and Questioned Costs, Continued

Finding 2021-003 Lost Revenue, Continued

Identification as a repeat finding, if

applicable: Not a repeat finding.

Context: We recognize that this is a unique calculation and is subject to interpretation. Based on

our interpretation of the guidance, of the five campuses selected for testing, one of the

campuses' calculations for lost revenues required revisions.

Recommendation: Continue to monitor compliance requirements and review the lost revenue calculations,

including any interpretive guidance issued, to ensure that federal requirements are

being met.

Views of Responsible

Officials: Management believes the lost revenue calculations are in full compliance with HEERF

Lost Revenue Guidelines and FAQs provided by the awarding agency, US Department of Education (USDE). The University has communicated with the awarding agency and received guidance that the items identified were an allowable methodology and acceptable calculation for lost revenue. The University will continue to follow all compliance requirements and will seek interpretations for this compliance from USDE as

needed to ensure all federal requirement are being met.



Vice President for Finance & Chief Financial Officer

Summary Schedule of Prior Audit Findings for the year ended June 30, 2021

In accordance with *Government Auditing Standards*, issued by the Comptroller General of the United States, the following is the status of known material findings and recommendations from prior year audits:

Finding 2020-001: Enrollment Reporting:

Condition: The Beaufort, Lancaster, Salkehatchie, and Union campuses reported incorrect withdrawal dates to the NSLDS for students who received Title IV aid. Additionally, the Beaufort and Lancaster campuses did not report withdrawal dates for students who received Title IV aid to the NSLDS in a timely manner.

Current Action Taken/Current Status: There is a similar finding for the current year for the Columbia and Aiken campuses (See item 2021-002 beginning on page 28). The campuses included in the prior year finding had no exceptions noted during the current year audit.

With guidance from the Columbia campus Registrar, new procedures and processes are currently in place for accurately and timely reporting the last day of attendance to the Clearinghouse and NSLDS for students who unofficially withdraw. In addition, an internal review is performed periodically throughout the academic year for a sample of students who have withdrawn to determine that the current procedures are operating as intended to ensure compliance with federal requirements.

Finding 2020-002: Return of Title IV Funds – Timely Return of Funds

Condition: As part of its corrective action taken in response to prior year finding 2019-009, the University performed manual R2T4 calculations using the correct payment period for the students who withdrew in Fall of 2019, as it was too late to change this within Banner, the University's student information system used to administer student financial assistance. The corrected payment period included more days than the payment period used in the previous calculation, and therefore, the percentage of aid earned decreased, resulting in additional amounts due to the Department of Education. As these manual recalculations were not completed until February 2020, they were returned outside of the required 45-day window.

Current Action Taken/Current Status: This finding has been cleared.

Because this was a unique one-time finding due to the implementation of a correction plan from a prior year finding, no corrective action plan was needed.

Summary Schedule of Prior Audit Findings, Continued

Finding 2020-003: Calculations of Return of Title IV Funds

Condition: As part of its corrective action taken in response to prior year finding 2019-009, the University performed manual calculations outside of Banner using the correct payment period for students who withdrew in the Fall of 2019 semester. We noted that in three of these four instances, the student withdrew in the Fall of 2019 semester, and the underlying cause of the improper calculation was human error as these calculations were performed manually.

Current Action Taken/Current Status: This finding has been cleared.

The University developed and implemented new procedures to ensure no manual calculations are performed and internal reviews are performed on a monthly basis to ensure accuracy.

Finding 2019-004: Drug and Alcohol Abuse Prevention Program

Condition:

- A. For the Aiken, Columbia, Beaufort, Upstate, Sumter, Salkehatchie, Union, and Lancaster Campuses, there was no annual distribution in writing to each student and employee that contained all the required elements.
- B. For the Upstate, Salkehatchie, and Lancaster Campuses, the biennial review did not contain information detailing the types of sanctions that were imposed by the school as a result of drug and alcohol-related violations.

Current Action Taken/Current Status:

- A. This finding has been cleared. All campuses sent emails at the beginning of each semester addressing all the required elements
- B. This finding has been cleared. All biennial reviews were updated to include all required information.

Finding 2019-005: Use of Federal Work Study Funds

Condition: During the review of the Fiscal Operations Report and Application to Participate (FISAP) for Award Year July 1, 2018 through June 30, 2019, the University of South Carolina – Beaufort (USCB) was not in compliance with the FWS Community Service requirement that at least seven percent of the sum of its initial and supplemental Federal Work Study (FWS) allocations for an award year be used to compensate students employed in community service activities; and did not obtain a waiver from the Department of Education.

Current Action Taken/Current Status: This finding has been cleared.

Although the USC Beaufort campus requested a waiver for the current year, measures to promote community service jobs will stay in place and every effort will be made to meet or exceed the seven percent requirement.