



School of
Health Professions

University of Missouri Health System

Annual Report of Grants and Contracts

Fiscal Year 2018
(July 1, 2017 – June 30, 2018)

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FY 2018 SHP Sponsored Projects Summary

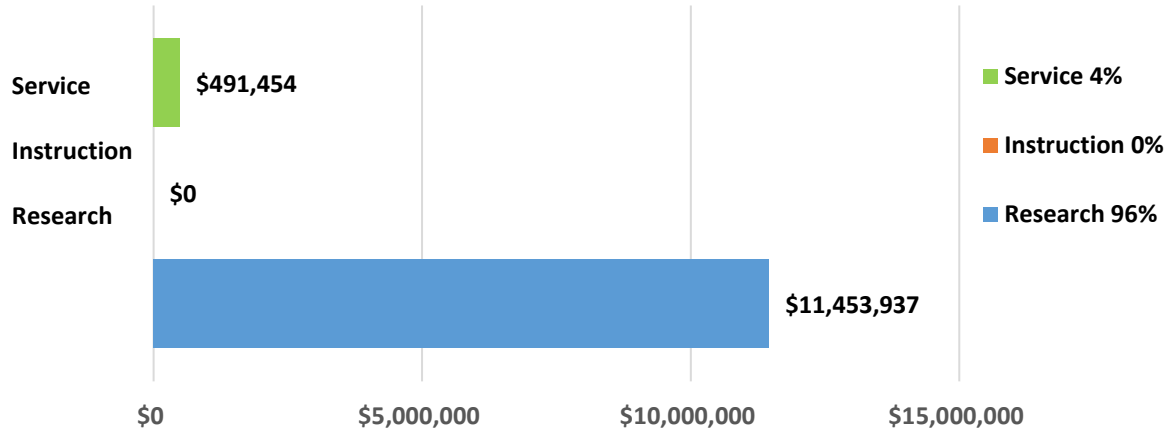
The SHP Office of Research reports annually on all sponsored project activities in the school. These grants and contracts are analyzed along three key parameters: the type of project (research, service, or instruction), the level of activity by each academic department, and the role of faculty (SHP Primary PI role vs. SHP Secondary). In addition, funded projects are analyzed by type of sponsor. In this report, proposal submissions and grant awards are presented using two methods of communicating the data. First, the summary data are presented graphically. Then, the second section lists individual proposals submitted and projects awarded in FY18, categorized by department.

It is important to note that because of the varying length of the grant cycle, this report does not allow for comparison of proposals submitted with funding awarded in FY18. Funding may be awarded as the result of a proposal submitted in the same fiscal year, but often awards are the result of proposals submitted the previous year. Similarly, many proposals are still pending at the close of a given fiscal year because they are still under review. Moreover, many grants are multi-year, so funding awards are received and reported in increments over several fiscal years. If you have questions, please contact the SHP Associate Dean for Research.

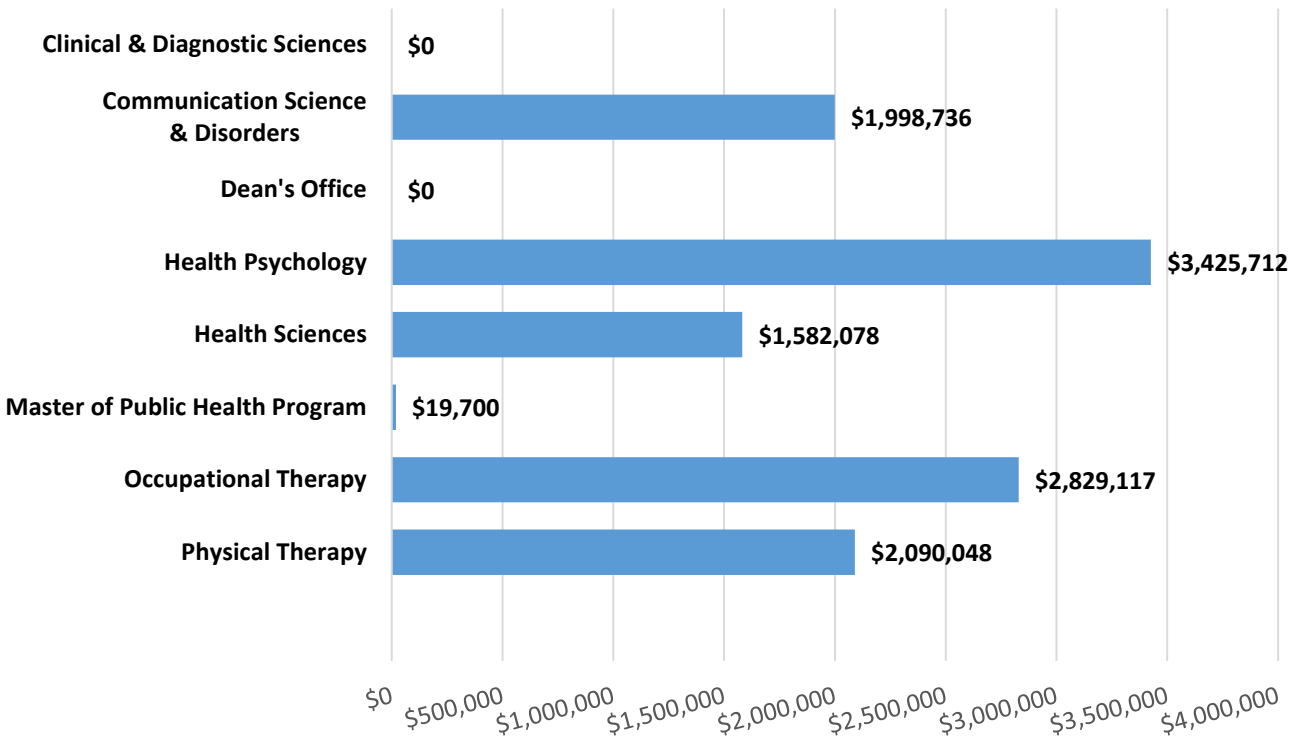
Thank you to all faculty and staff members who have contributed to the success of SHP's sponsored projects activities during FY18!

Analysis of Proposals Submitted

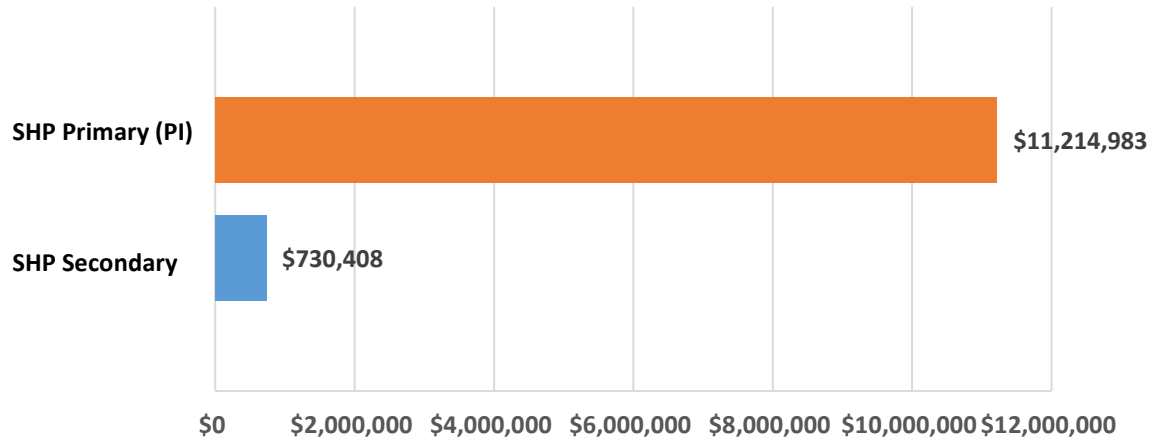
Proposals by Project Type
Total \$11,945,391



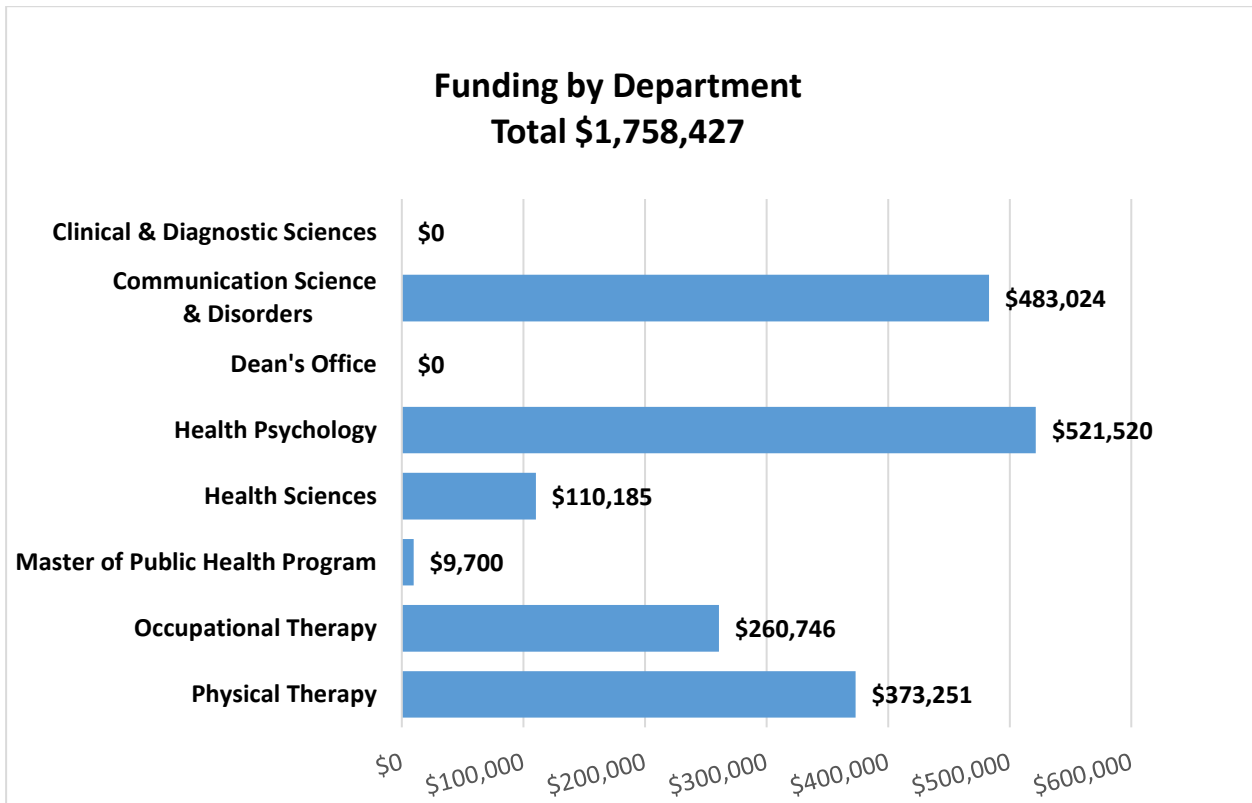
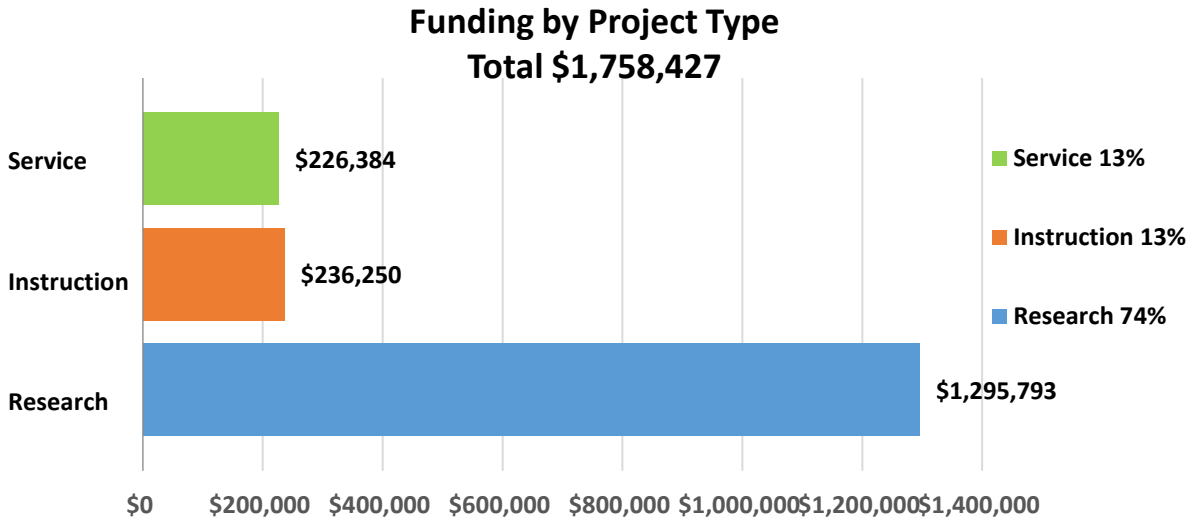
Proposals by Department
Total \$11,945,391



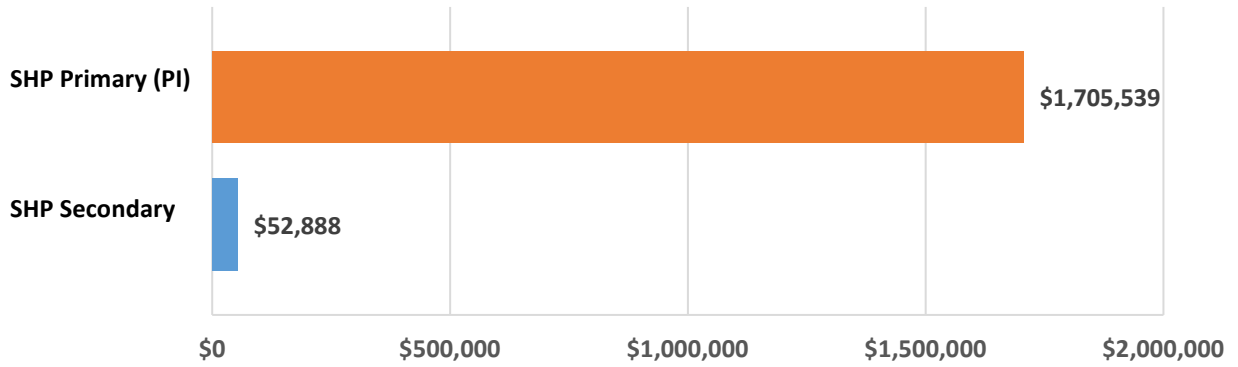
Proposals by SHP Investigator Role
Total \$11,945,391



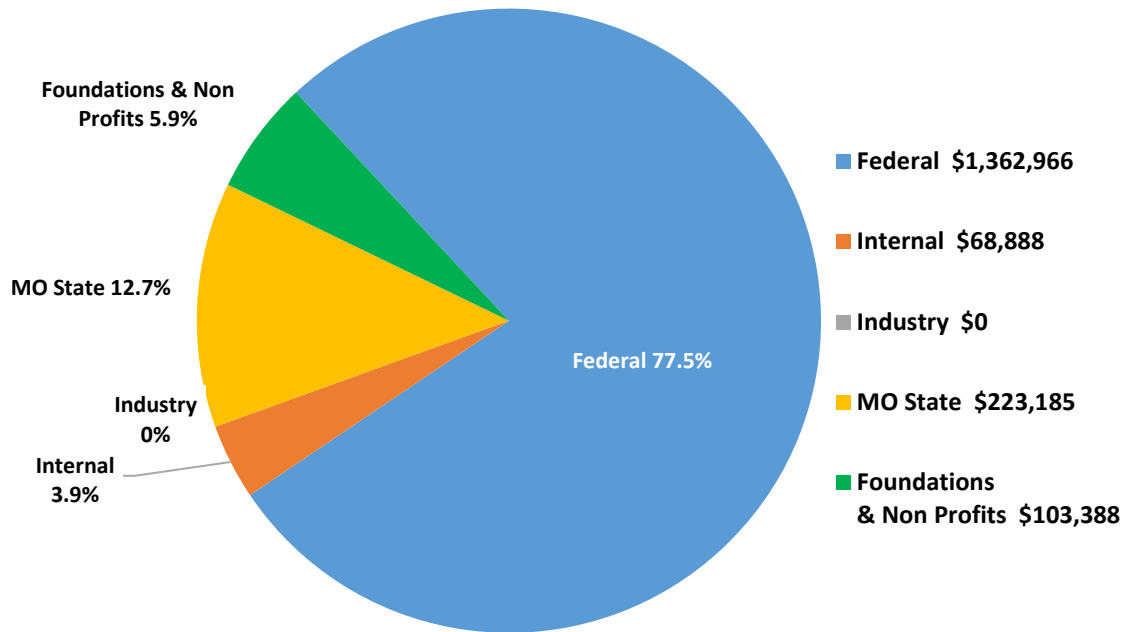
Analysis of Awarded Funding



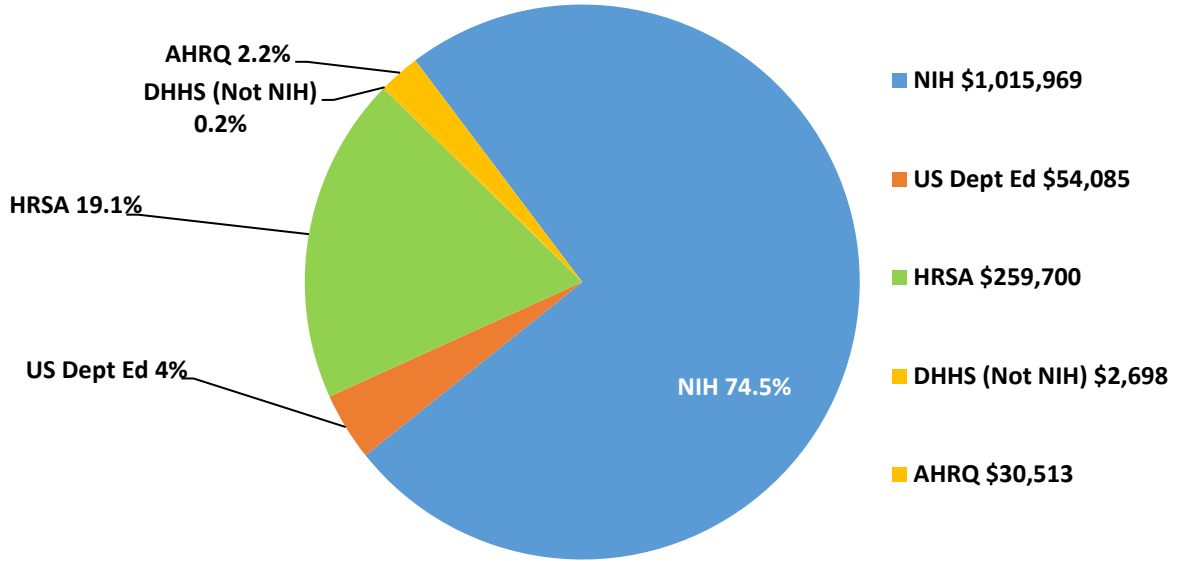
Funding by SHP Investigator Role
Total \$1,758,427



Funding by Sponsor Type
Total \$1,758,427



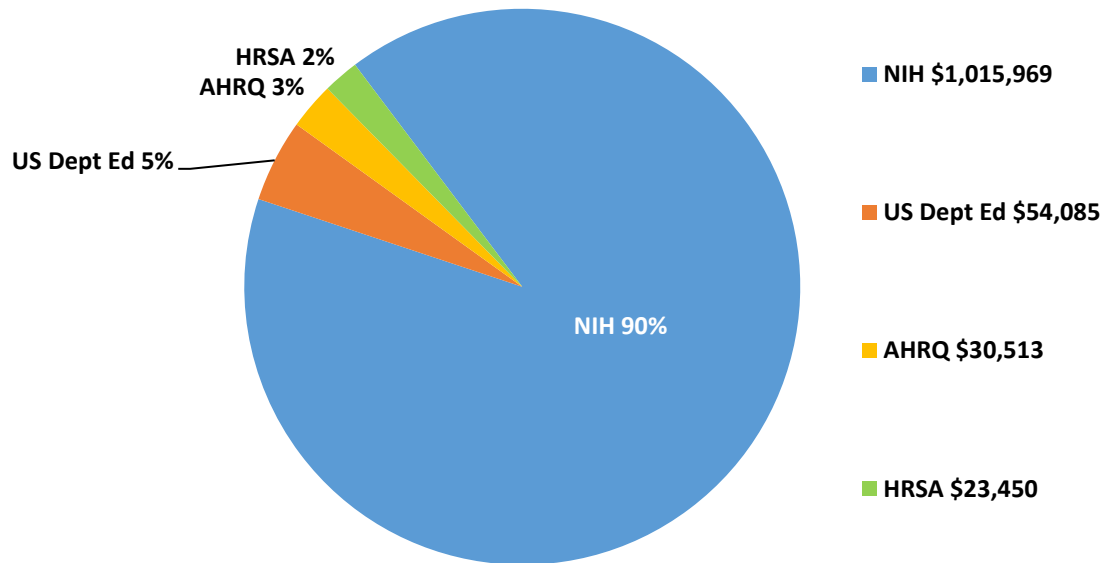
Federal Funding by Sponsor Total \$1,362,966



Federal Research Funding and the AAU

Of the funding that SHP receives from federal agencies, funding for research is of special interest because it is the primary criterion for MU's continued standing as a member research university in the Association of American Universities (AAU).

Federal Research Funding by Sponsor
Total \$1,124,017



Proposals Submitted in FY18 - by Department

Clinical and Diagnostic Sciences Proposals

Investigator	Project Title	Sponsor	SHP Share
Anderson, Sharlette	Introducing Mindful Pause Practice in Sonography Education: A Strategy to Improve Classroom Presence	University of Nebraska Medical Center / SDMS Foundation	0

Communication Science & Disorders Proposals

Investigator	Project Title	Sponsor	SHP Share
Botezatu, Roxanna	Dynamics of Native Language Change During the First Year of Second Language Instruction	NIH (R21)	408,191
Dietrich, Maria / Kuruvilla-Dugdale, Mili	Research Activity - Statistical Consultation with the Biostatistics and Research Design Unit to Prepare Results for Research Publication	SHP Faculty Scholarship Facilitation Award Application	1,250
Gogate, Lakshmi	Multisensory Development: New Measures and a Collaborative Database	Florida International University / NIH (R01)	15,500
Gogate, Lakshmi	Origins of Verb Learning	NSF	418,295
Kelley, Beth	Examining Word Learning Proficiency in Preschoolers with Low Socioeconomic Status	NIH (R03)	155,000
Kelley, Beth	WIC Developmental Milestones Program: Monitoring Milestones and Enhancing Early Language	University of SC-DRDC / CDC	500,000

Kuruville-Dugdale, Mili	An Innovative Approach to Constructing Personalized Voices Using Voice Conversion and Text-to-Speech Technologies	UM Spinal Cord Injury/Disease Research Program (SCIDRP)	250,000
Kuruville-Dugdale, Mili	An Innovative Approach to Constructing Personalized Voices Using Voice Conversion and Text-to-Speech Technologies	UM Spinal Cord Injury/Disease Research Program (SCIDRP)	250,000
Nolan, Gwen	National Speak Out and Loud Crowd Grant Program	Parkinson Voice Project	500

Health Psychology Proposals

Investigator	Project Title	Sponsor	SHP Share
Clay, Casey	Virtual Reality Behavioral Skills Training for Behavioral Intervention with Individuals with Autism Spectrum Disorders (Submitted by Thompson Center)	MU PCOR	0
Clay, Casey	Examining Factors Related to Animal-Assisted Intervention for Children with Autism Spectrum Disorder: Evaluation of Video-Based Preference Assessment and Validation	SHP Catalyst Award Application	4,999
Clay, Casey	Virtual Reality Training for Behavior Change in Autism (Submitted by Thompson Center)	UM Research Board	4,500
Clay, Casey	KL2 Career Development Award (Submitted by Thompson Center)	Washington University	244,773
Contreras, Bethany	Student Teaching as Research	MU Student Teaching as Research (STAR) Projects	1,500
Kahng, SungWoo	Progress Assessment Tool for ABA Intervention (Submitted by Thompson Center)	Mizzou Advantage Interdisciplinary Research Grants	21,852

Kahng, SungWoo	Progress Assessment Tool for ABA Intervention (Submitted by Thompson Center)	Mizzou Advantage Interdisciplinary Research Grants	21,852
Kahng, SungWoo	Progress Assessment Tool for ABA Intervention (Submitted by Thompson Center)	Organization for Autism Research	20,297
Kanne, Stephen	Governor's Diagnostic Wait List FY18 (Submitted by Thompson Center)	MO Department of Mental Health	223,185
Kanne, Stephen	Missouri Autism Rapid Response Initiative FY18 (Submitted by Thompson Center)	MO Department of Mental Health / DHHS	0
Kanne, Stephen	Train Experts in Autism for Missouri (TEAM) FY18 (Submitted by Thompson Center)	MO Department of Mental Health / DHHS	2,698
Kanne, Stephen	SCH:INT: Collaborative Research: Association Discovery in Loosely-Coupled Heterogeneous Domains: Applications to Autism Spectrum Disorder (PI: Ye Duan - Submitted by Thompson Center)	NSF	0
Kanne, Stephen	A New Treatment Outcome Tool for Adults with ASD (Submitted by Thompson Center)	University of Virginia (NIH R01)	0
Nowell, Kerri Philippa	Understanding the Autism Spectrum Disorder Diagnostic Process for Families with Spanish as a Primary Language (Submitted by Thompson Center)	MU Research Council	0
Schopp, Laura	Implementation of the Depression and Anxiety Guidelines: Award for a Mental Health Coordinator (PI: Dr. Melissa Kouba - Submitted by Medicine, Pulmonary & Environ. Dept. in SOM)	Cystic Fibrosis Foundation	52,888
Schopp, Laura	An RCT to Evaluate Workplace Adapted Self-management with and without Ecological Momentary Assessment Among Pre-retirees with Chronic Conditions	NIH (R01)	2,827,168

Health Sciences Proposals

Investigator	Project Title	Sponsor	SHP Share
Altman, Claire	Legal Status and Health Disparities Among Mexican and Central American Immigrant Young Adults	MU Research Council	9,180
Altman, Claire	Legal Status and Health Disparities Among Mexican and Central American Immigrant Young Adults	NIH (R21)	419,744
Cheak-Zamora, Nancy	Improving Health Care Delivery and Transition to Adulthood for Individuals with Autism Spectrum Disorder (Submitted by Thompson Center)	Department of Defense	91,481
Cheak-Zamora, Nancy	Ensuring Health Care Transition Readiness for Youth with Autism Spectrum Disorder and Their Caregivers (Submitted by Thompson Center - Co-I: Michelle Teti)	NIH (R34)	93,424
Choi, Hye Jeong	Adolescent Sexting, Sexualization, and Risky Behaviors	MU Research Council	9,600
Choi, Hye Jeong	Network Intervention to Promote Anti-Smoking Socialization Using Peer Networks and Influencers: A Pilot Study	National University of Singapore / National Medical Research Council	0
Choi, Hye Jeong	Feasibility and Efficacy of Social Media-based User-Generated Messages to Reduce Smoking	Real Prevention, LLC / NIH (R43 - SBIR)	71,405
Choi, Hye Jeong	Interactive Mobile Technology for a Social and Emotional Learning Intervention Preventing Early Adolescent Alcohol Use	Real Prevention, LLC / NIH (R43 - SBIR)	20,000
Choi, Hye Jeong	Peer-to-Peer Social Media Diffusion of Tobacco and ENDS Use Prevention Messages	Real Prevention, LLC / NIH (R43 - SBIR)	94,748
Majee, Wilson	Self-Management Training Among Obese Rural Youth (Co-PI: Laura Schopp)	UM Research Board	74,503
Ruggeri, David	Marijuana Use Among Young Adults in Rural Missouri	MU Research Council	10,000

Ruggeri, David	Marijuana Consumption and Health Risk Perception among College Students	SHP Faculty Scholarship Facilitation Award Application	1,250
Schatz, Enid	Leaving No One Behind (2) - Older People Living with HIV in Uganda	London School of Hygiene & Tropical Medicine	47,971
Schatz, Enid	A Need for a New Instrument to Capture HIV Testing, Sexual Behavior (Risk), and Health Profile Histories for Africans Aged 50-plus Living in HIV Endemic Contexts	MU Research Council	10,000
Schatz, Enid	Trajectories and Transitions: Uncovering Experiences of HIV Risk and Testing Among Older South Africans	NIH (R21)	365,567
Schatz, Enid	Piloting & Refining the Testing & Risk of History Calendar to Understand the Experiences of HIV Risk and Testing Among Older South Africans	SHP Catalyst Award Application	3,570
Teti, Michelle	Putting Myself in the Picture: Developing a Digital Storytelling Intervention to Improve Health Care Provider Response to the Needs of Sexual and Gender Minorities (SGM)	Mizzou Advantage Interdisciplinary Research Grants	44,305
Teti, Michelle	Putting Myself in the Picture: Developing a Digital Storytelling Intervention to Improve Health Care Provider Response to the Needs of Sexual and Gender Minorities (SGM)	Mizzou Advantage Interdisciplinary Research Grants	45,405
Teti, Michelle	Reframing Life with HIV: Resilience-Based Messages to Promote Medication Adherence Among Young Men of Color Living with HIV	MU PCOR	9,955
Teti, Michelle	Trajectories to HIV Infection and Testing Among Adults Living with HIV/AIDS in Central Missouri (PI: Erin Robinson - Submitted by Social Work Dept.)	MU Research Council	0
Teti, Michelle	Caregiver Speaks: A Technologically Mediated Storytelling Intervention for Hospice Family Caregivers of Individuals with Alzheimer's Disease and Other Dementias (PI: Debra Parker-Oliver - Submitted by Family and Community Medicine)	NIH (R01)	128,671

Teti, Michelle	Improving Body Image as a Mechanism of Depression through the Three-Dimensional Body Appreciation Mapping (3D-BAM) Intervention (PI: Dr. Virginia Ramseyer Winter - Submitted by Social Work Dept.)	NIH (R21)	12,435
Teti, Michelle	Examining Body Appreciation as a Target of Depression: A Mechanistic Clinical Trial of the 3D Body Appreciation Mapping (3D-BAM) (PI: Virginia Ramseyer Winter - Submitted by Social Work Dept.)	NIH (R21)	12,764
Teti, Michelle	Improving Adherence Outcomes for Adolescents on Anti-Retroviral HIV Treatment in the Western Cape	SHP Catalyst Award Application	2,400
Teti, Michelle	Developing a Collaborative Partnership to Improve the Transition to Adult Care and Health Outcomes Among Adolescents Living with HIV in South Africa	University of Missouri South African Education Program (UMSAEP) - (UM/UWC Linkage Program)	3,700

Master of Public Health Program Proposals

Investigator	Project Title	Sponsor	SHP Share
Saffran, Lise	Authenticity as a Component of Trust in Science and Health Communication	MU Research Council	10,000
Saffran, Lise	Perceived Authenticity as a Cause of Trust in Science Communication	MU Research Council	9,700

Occupational Therapy Proposals

Investigator	Project Title	Sponsor	SHP Share
Plattner, Lyndi	Student Teaching as Research	MU Student Teaching as Research (STAR) Projects	1,500
Proffitt, Rachel	Feasibility the Lee Silverman Voice Treatment ® - Big Intervention in Stroke	American Occupational Therapy Foundation	50,000
Proffitt, Rachel	Pilot Exploration of an Occupation-Focused, Intensive Rehabilitation Intervention Adapted for Chronic Stroke	NIH (R03)	155,000
Wolf, Timothy	Efficacy of Metacognitive-Strategy Training to Improve Activity Performance and Reduce Cognitive and Motor Impairment in Sub-Acute Stroke	NIH (R01)	2,467,617
Wolf, Timothy	Feasibility of Using Remotely-Delivered Metacognitive Strategy to Address Cancer-Related Cognitive Impairment After Treatment for Breast Cancer.	NIH (R03)	155,000

Physical Therapy Proposals

Investigator	Project Title	Sponsor	SHP Share
Abbott, Carmen	PRI-RP: Urban-Gradient Living Lab for Smart End-User App Delivery in Eldercare-as-a-Service (PI: Dr. Anjanayaprasad Calyam - Submitted by Electrical Engineering Dept.)	NSF	33,131
Craggs, Jason	Impact of CBT for Insomnia on Pain Symptoms and Central Sensitization in Fibromyalgia (PI: Christina McCrae - Submitted by Psychiatry Dept.)	NIH (R01)	98,418

Craggs, Jason	Effect of CBT for Insomnia on Clinical Pain in Fibromyalgia: Mediating Impact of Sleep, Arousal, and Central Sensitization (PI: Christina McCrae - Submitted by Psychiatry Dept.)	NIH (R01)	88,884
Craggs, Jason	Mizzou Musculoskeletal Research Training Program (PI: Dana Duren - Submitted by Orthopaedic Surgery Dept.)	NIH (T32)	0
Dannecker, Erin	The Validation and Contradiction of Patients' Pain Beliefs	MU PCOR	10,000
Guess, Trent	A Biologic Joint Replacement Strategy to Treat Patients with Post-Traumatic Osteoarthritis - Expansion (PI: Dr. James Stannard - Submitted by Orthopaedic Surgery Dept.)	Department of Defense	5,242
Guess, Trent	Anterior Cruciate Ligament Reconstruction and Post-Traumatic Patellofemoral Osteoarthritis: Relationships and Risks	Department of Defense	1,500,571
Guess, Trent	Functional Modeling for Mechanisms of Disease and Improved Management for Meniscal Injuries	Mizzou Advantage Interdisciplinary Research Grants	49,936
Guess, Trent	Biologic Hip Replacement: A Reverse Translational Approach (PI: Dr. Brett Crist - Submitted by Orthopaedic Surgery Dept.)	MTF Biologics	57,072
Guess, Trent	Functional Relevance of Contralesional Premotor Cortex Plasticity in Subacute Severe Stroke Survivors - A Multimodal Study (PI: Dr. Mihaela Carmen Cirstea Apostol - Submitted by P, M & R Dept.)	NIH (R01)	150,244
Guess, Trent	Biologic Hip Replacement: A Reverse Translational Approach (PI: Dr. Brett Crist - Submitted by Orthopaedic Surgery Dept.)	NIH (R21)	90,661

Guess, Trent	Mizzou Knee Arthrometer Testing System (MKATS) (PI: Dr. Jinglu Tan - Submitted by Dept. of Biological Engineering)	University of Missouri Coulter Translational Partnership Program	0
Guess, Trent	BioJoint Flex (PI: Dr. Jinglu Tan - Submitted by Dept. of Biological Engineering)	University of Missouri Coulter Translational Partnership Program	0
Prost, Evan	Does the Use of Walking Poles Decrease Low Back Pain During Gait for Persons with Chronic Low Back Pain: A Mixed Methods Study	SHP Catalyst Award Application	5,890

Total SHP Share of Proposals Submitted

\$11,945,391

Projects Funded in FY18– by Department

Communication Science & Disorders Projects Funded

Investigator	Project Title	Sponsor	SHP Share
Dietrich, Maria / Kuruvilla-Dugdale, Mili	Research Activity - Statistical Consultation with the Biostatistics and Research Design Unit to Prepare Results for Research Publication	SHP Faculty Scholarship Facilitation Award	1,250
Kelley, Elizabeth	My Story Friends: Development of a Supplemental Vocabulary Curriculum for Preschoolers with Language Delays	University of South Florida / U. S. Department of Education	54,085
Kuruvilla-Dugdale, Mili	A Systematic Investigation of Phonetic Complexity Effects on Articulatory Motor Performance in Progressive Dysarthria	NIH (R15)	427,189
Nolan, Gwen	National Speak Out and Loud Crowd Grant Program	Parkinson Voice Project	500

Health Psychology Projects Funded

Investigator	Project Title	Sponsor	SHP Share
Clay, Casey	Virtual Reality Behavioral Skills Training for Behavioral Intervention with Individuals with Autism Spectrum Disorders (Administered by Thompson Center)	MU PCOR	0
Clay, Casey	Examining Factors Related to Animal-Assisted Intervention for Children with Autism Spectrum Disorder: Evaluation of Video-Based Preference Assessment and Validation	SHP Catalyst Award	4,999
Contreras, Bethany	Student Teaching as Research	MU Student Teaching as Research (STAR) Projects	1,500
Kanne, Stephen	Governor's Diagnostic Wait List FY18 (Administered by Thompson Center)	MO Department of Mental Health	223,185

Kanne, Stephen	Missouri Autism Rapid Response Initiative FY18 (Administered by Thompson Center)	MO Department of Mental Health / DHHS	0
Kanne, Stephen	Train Experts in Autism for Missouri (TEAM) FY 18 (Administered by Thompson Center)	MO Department of Mental Health / DHHS	2,698
Kanne, Stephen	Thompson Center Clinical Site for Simons National Autism Cohort (Administered by Thompson Center)	Simons Foundation	0
Kanne, Stephen	Development of a Standardized Measure of Social-Communication Abilities for Children with Neurodevelopmental Disorders (Administered by Thompson Center)	University of California / NIH (R01)	0
Kanne, Stephen	Missouri Autism Centers for Excellence Collaborative (MACEC): SEED Early Development Study (Administered by Thompson Center)	Washington University / CDC	0
Schopp, Laura	Implementation of the Depression and Anxiety Guidelines: Award for a Mental Health Coordinator (PI: Dr. Melissa Kouba - Administered by Medicine, Pulmonary & Environ. Dept. in SOM)	Cystic Fibrosis Foundation	52,888
Schopp, Laura	MU Rural Health Psychology Internship Training Program	Health Research Services Administration (HRSA)	236,250

Health Sciences Projects Funded

Investigator	Project Title	Sponsor	SHP Share
Altman, Claire	Legal Status and Health Disparities Among Mexican and Central American Immigrant Young Adults	MU Research Council	9,180
Cheak-Zamora, Nancy	Shelter Cat Adoption in Families of Children with Autism (PI: Carlisle, Gretchen) (Administered by Vet. Med. & Surg. Dept.)	Morris Animal Foundation	0

Cheak-Zamora, Nancy	Assessing and Promoting Health-Related Independence in Youth with Autism Spectrum Disorder (Administered by Thompson Center)	MU PCOR	0
Choi, Hye Jeong	STTR/Interactive Technology for Media Literacy Drug Prevention in Community Groups (Phase II STTR)	Real Prevention, LLC / NIH (R43 - STTR)	31,860
Choi, Hye Jeong	STTR/Interactive Technology for Media Literacy Drug Prevention in Community Groups (Phase II STTR)	Real Prevention, LLC / NIH (R43 - STTR)	33,062
Ruggeri, David	Marijuana Consumption and Health Risk Perception Among College Students	SHP Faculty Scholarship Facilitation Award	1,250
Schatz, Enid	Piloting & Refining the Testing & Risk History Calendar to Understand the Experiences of HIV Risk and Testing Among Older South Africans	MU Research Council	10,000
Schatz, Enid	Piloting & Refining the Testing & Risk of History Calendar to Understand the Experiences of HIV Risk and Testing Among Older South Africans	SHP Catalyst Award	3,570
Teti, Michelle	Reframing Life With HIV: Resilience-Based Messages to Promote Medication Adherence Among Young Men of Color Living with HIV	MU PCOR / AHRQ	15,163
Teti, Michelle	Trajectories to HIV Infection and Testing Among Adults Living with HIV/AIDS in Central Missouri (PI: Erin Robinson – Administered by Social Work Dept.)	MU Research Council	0
Teti, Michelle	Improving Adherence Outcomes for Adolescents on Anti-Retroviral HIV Treatment in the Western Cape	SHP Catalyst Award	2,400
Teti, Michelle	Developing a Collaborative Partnership to Improve the Transition to Adult Care and Health Outcomes Among Adolescents Living with HIV in South Africa	University of Missouri South African Education Program (UMSAEP) - (UM/UWC Linkage Program)	3,700

Master of Public Health Program Projects Funded

Investigator	Project Title	Sponsor	SHP Share
Saffran, Lise	Perceived Authenticity as a Cause of Trust in Science Communication	MU Research Council	9,700

Occupational Therapy Projects Funded

Investigator	Project Title	Sponsor	SHP Share
Lowery, Lea Ann	Autism Intervention Research Network on Physical Health (AIRP) Physical Exercise to Reduce Anxiety (Administered by Thompson Center)	Mass. General Hospital / HRSA	23,450
Plattner, Lyndi	Student Teaching as Research	MU Student Teaching as Research (STAR) Projects	1,500
Proffitt, Rachel	Feasibility the Lee Silverman Voice Treatment ® - Big Intervention in Stroke	American Occupational Therapy Foundation	50,000
Proffitt, Rachel	A Virtual Reality Program to Optimize Adherence to Home Exercise Programs in Persons with Chronic Stroke	MU PCOR	19,839
Wolf, Tim	Better Living After Stroke through Technology (BLAST) SBIR	Washington Univ. / NIH (SBIR - R44)	165,957

Physical Therapy Projects Funded

Investigator	Project Title	Sponsor	SHP Share
Craggs, Jason	Evaluation of Pain Signatures: Psychometric Properties of Imaging Pain	NIH (R01)	32,537

Craggs, Jason	Evaluation of Pain Signatures: Psychometric Properties of Imaging Pain	NIH (R01)	325,364
Dannecker, Erin	The Validation and Contradiction of Patients' Pain Beliefs (Mini grant from Dr. Mehr's AHRQ grant)	MU PCOR / AHRQ	15,350
Guess, Trent	Mizzou Knee Arthrometer Testing System (MKATS) (PI: Dr. Jinglu Tan - Administered by Dept. of Biological Engineering)	University of Missouri Coulter Translational Partnership Program	0
Guess, Trent	BioJoint Flex (PI: Dr. Jinglu Tan - Administered by Dept. of Biological Engineering)	University of Missouri Coulter Translational Partnership Program	0
Total SHP Share of Projects Funded			\$1,758,427