

ROWAN UNIVERSITY SPONSORED PROGRAMS QUARTERLY ACTIVITY REPORT

Current Activity: FY19

Q1 research expenditures: \$ 9,168,568.06
 YTD expenditures: \$ 9,168,568.06

Proposals Submitted and Awards Received July 1, 2018 - September 30, 2018

	#	Q1 FY19	YTD #	YTD FY19
Proposals Submitted	78	\$ 16,567,294	78	\$ 16,567,294
NJ Awards	8	\$ 939,040	8	\$ 939,040
Federal Awards	27	\$ 6,671,594	27	\$ 6,671,594
Private/Industry	20	\$ 1,897,772	20	\$ 1,897,772
Clinical/Service	-	\$ 680	-	\$ 680
Total Awards	55	\$ 9,509,086	55	\$ 9,509,086

Comparative Data: Prior FY

	#	Q1 FY18	YTD #	YTD FY18
Proposals Submitted	67	\$ 17,058,177	67	\$ 17,058,177
NJ Awards	10	\$ 1,144,530	10	\$ 1,144,530
Federal Awards	26	\$ 6,886,228	26	\$ 6,886,228
Private/Industry	13	\$ 757,314	13	\$ 757,314
Clinical/Service	-	\$ 16,484	-	\$ 16,484
Total Awards	49	\$ 8,804,556	49	\$ 8,804,556

Q1 research expenditures: \$ 6,195,643.68
 YTD research expenditures: \$ 6,195,643.68

Awards
July 1, 2018 - September 30, 2018

College	Project Title	Award Amount	Indirect Cost Total	Lead PI	Other Personnel	Sponsor	Award Admin Dept	Award Begin Date	Award End Date
Admin (1)	\$10,891								
	Rowan University Upward Bound Program for English Language Learners	\$10,891	\$807	Margarita Olivencia		US Department of Education	English Language Programs	Jun 1, 2018	May 31, 2019
CCCA (2)	\$16,000								
	Rowan Art Gallery General Support	\$6,000	\$0	Mary Salvante		NJ State Council on the Arts	Art Gallery	Jul 1, 2018	Jun 30, 2019
	Heather Ujije: Dystopian Garden Paradise	\$10,000	\$0	Mary Salvante		Coby Foundation, LTD	Art Gallery	Jul 1, 2017	Jun 30, 2018
CHSS (1)	\$1,000								
	Young Philosophers of South Jersey: Student Ethics Conference	\$1,000	\$0	Ellen Miller		Philosophy Learning and Teaching Organization (PL	Philosophy/Religion	May 3, 2018	May 31, 2019
CMSRU (4)	\$847,633								
	CMSRU provider's clinical support training	\$143,928	\$10,661	Kaitlan Baston	Igor Elman	US Department of Health and Human Services	CMSRU Dean	Sep 30, 2018	Sep 29, 2021
	Champions for Health Advancement through Mentoring and Primary Care Partnerships (CHAMPP)	\$400,000	\$29,630	Annette Reboli	Nirandra Mahamitra, Robin Pe	Health Resources and Services Administration (HRS	CMSRU Dean	Sep 1, 2018	Aug 31, 2023
	Educating future primary care providers for transforming health care systems	\$87,500	\$6,481	Annette Reboli	Harry Mazurek	Health Resources and Services Administration (HRS	CMSRU Dean	Jul 1, 2018	Jun 30, 2019
	Clinical and Genetic Study of Prescription Opioid Addiction	\$16,205	\$6,140	Thomas Ferraro		Geisinger Medical Center	CMSRU Biomedical Science	Jun 1, 2018	May 31, 2019
CSM (11)	\$1,180,260								
	Bridges to Baccalaureate: Cumberland County College Bridge to Rowan	\$243,163	\$8,176	Alison Krufka		National Institutes of Health	Biological Sciences	Sep 1, 2018	Aug 31, 2019
	ATD: New Approaches for Anomaly Detection in Spatiotemporal Data	\$83,121	\$27,707	Shen-Shyang Ho		National Science Foundation (NSF)	Computer Science	Aug 15, 2018	Jul 31, 2021
	Visualization and mining of metabolomics data	\$60,000	\$0	Vasil Hnatyshin	Urnashanger Thayasivam	Bristol-Myers Squibb (BMS)	Computer Science	Jun 15, 2018	May 15, 2019
	Quantifying Understanding Hidden in Wrong Answers	\$206,876	\$68,959	Trevor Smith	Nasrine Bendjilali	National Science Foundation (NSF)	Physics & Astronomy	Oct 1, 2018	Sep 30, 2021
	Collaborative Research: PIMS: Physics Inventory of Mathematical Sensemaking	\$46,553	\$15,518	Trevor Smith		National Science Foundation	Physics & Astronomy	Oct 1, 2018	Sep 30, 2020
	Child Restraint Usability in Vehicles with Novel Seating Configurations	\$17,814	\$0	Patrice Tremoulet		The Children's Hospital of Philadelphia	Psychology	May 1, 2018	Apr 30, 2019
	Risk Assessment Using Noninvasive Measurements in Postoperative Pediatric Patients	\$13,773	\$4,591	Patrice Tremoulet		Etiometry, Inc.	Psychology	May 1, 2018	Apr 30, 2019
	Identifying and Targeting Unique Physical Activity Determinants for Midlife Women	\$86,422	\$6,402	Danielle Arigo		National Institutes of Health (NIH)	Psychology	Sep 1, 2018	Feb 28, 2019
	Elucidating the impact of the Npc1nmf164 mutation in the postnatal cerebellar development of a mouse model of Niemann-Pick Type C disease	\$419,088	\$122,319	Ileana Soto	Mark Hickman, Thomas Keck	National Institutes of Health	Molecular & Cellular Biosci	Aug 1, 2018	Jul 31, 2021
	Vitamin D deficiency and its relationship to injury, gender, sport season, and race	\$1,450	\$0	Douglas Mann	Chris Lacke, Rob Sterner	Athletic Trainers' Society of New Jersey	Health & Exercise Science	Aug 1, 2018	Aug 31, 2019
	Get Healthy Camden 2108 Blueprint Revision	\$2,000	\$214	Nicole Vaughn		United Way	Health & Exercise Science	Jul 1, 2018	Aug 31, 2018
EDU (3)	\$249,597								
	Language, Literacy, & Culture in Oaxaca, Mexico: A Rowan Summer Experience for K-12 Educators	\$87,232	\$0	Stephanie Abraham		US Department of Education	Lang, Lit & Sociocult Edu	Oct 1, 2018	Apr 1, 2020
	Early Childhood Leadership Training for PreK Expansion Program	\$77,220	\$7,020	Zeynep Isik-Ercan	Kelley Perkins	NJ Department of Education (NJDE)	Center for Access, Success, and Eq	Sep 20, 2018	Mar 31, 2019
	Southern Learning Resource Center at Rowan University	\$85,145	\$90,565	Lisa Vernon-Dotson		NJ Department of Education (NJDE)	Center for Access, Success, and Eq	Jul 2, 2018	Jun 30, 2019
ENG (17)	\$5,584,988								
	Street Smart NJ Evaluation Support	\$85,376	\$28,459	Mohammad Jalayer		Rutgers, The State University of New Jersey	Civil/Env Engineering	Sep 1, 2018	Jun 30, 2019
	Temporary Traffic Control Methods to Improve Safety at Special Events	\$5,044	\$1,681	Mohammad Jalayer		Rutgers, The State University of New Jersey	Civil/Env Engineering	Sep 1, 2018	Oct 15, 2018
	Evaluation of absorption of COVANTA aggregates	\$20,000	\$6,667	Yusuf Mehta	Caitlin Purdy, Hashim Rizvi	COVANTA	Civil/Env Engineering	Jan 1, 2018	Dec 31, 2018
	Innovative Construction Materials to Protect National Security Interests in the Arctic Region	\$3,400,000	\$856,552	Yusuf Mehta	Ayman Ali, Douglas Cleary, Gilson Lomboy, William Riddell	US Department of Defense	Civil/Env Engineering	Sep 7, 2018	Sep 6, 2020
	Process Intensification in Food Manufacture - Optimizing Water, Energy, Waste Reduction	\$25,000	\$8,333	C. Stewart Slater		US Environmental Protection Agency	Chemical Engineering	Oct 1, 2016	Sep 30, 2019
	Injectable, highly sticky, Antimicrobial, and Hemostatic Adhesive for Cornea Injury Repair	\$50,000	\$5,000	Iman Noshadi		National Science Foundation (NSF)	Chemical Engineering	Sep 15, 2018	Feb 28, 2019
	High Performance Polymers Research	\$830,224	\$105,078	Joseph Stanzone	Vincent Beachley, William Riddell	PPG	Chemical Engineering	Jul 23, 2018	Sep 26, 2020
	Facility Maintenance Internship Project	\$213,209	\$66,979	Jess Everett		NJ Dept. of Military and Veteran Affairs	Civil/Env Engineering	Oct 1, 2018	Sep 30, 2019
	NJARNG/Rowan University Energy/Building Information Model (BIM) Intern Program	\$296,060	\$98,687	Jess Everett		NJ Dept. of Military and Veteran Affairs	Civil/Env Engineering	Oct 1, 2018	Sep 30, 2019
	NJDMAVA Energy Audit Center	\$55,905	\$16,526	Jess Everett		NJ Dept. of Military and Veteran Affairs	Civil/Env Engineering	Oct 1, 2018	Sep 30, 2019
	Practical Study of Local and Regional Resilience Planning for Critical Infrastructure Systems and Communities in Coastal Zones	\$152,019	\$44,006	Rouzbeh Nazari		Armand Corporation	Civil/Env Engineering	May 31, 2018	May 31, 2020
	NSF I-Corp: An innovative framework for high resolution quantitative assessment of flood resiliency	\$50,000	\$5,000	Rouzbeh Nazari		National Science Foundation (NSF)	Civil/Env Engineering	Sep 15, 2018	Feb 28, 2019
	Polymer Nanocomposites with Enhanced Dielectric Strength and Reduced Thermal Contraction for Superconductor Cables	\$120,000	\$37,500	Wei Xue	Robert Krchnavek	US Department of Defense	Mechanical Engineering	Sep 1, 2018	Aug 31, 2019

Proposals
July 1, 2018 - September 30, 2018

College	Title	Requested Amount	Lead PI	Other Personnel	Award Admin Department	Sponsor
Admin (2)	\$395,481					
	Preventing Campus Sexual Violence through Peer-to-Peer Advocacy and Healthy Campus Climate Initiatives	\$167,385	Margaret Viggiano	D.J. Angelone, Frankie Lucas, Meredith Joppa	Equity and Diversity	NJ Department of Law & Public Safety
	When the World Came to Glassboro: Conserving Critical Collections of the 1967 US-USSR Summit	\$228,096	James Heinzen	Stephen Hague	Hollybush Institute	National Endowment for the Humanities (NEH)
CHSS (5)	\$954,924					
	At Home in the World: American Jewish Women Abroad, 1865-1940	\$30,000	Melissa Klapper		History	Herbert D. Katz Center for Advanced Judaic Studies
	At Home in the World: American Jewish Women Abroad, 1865-1940	\$35,000	Melissa Klapper		History	American Council of Learned Societies (ACLS)
	New Jersey Interdisciplinary Center on Gun Violence Research	\$865,799	Joel Capellan		Law/Justice	The New Jersey Office of the Secretary of Higher Education (OSHE)
	Young Philosophers of South Jersey: Student Ethics Conference	\$1,000	Ellen Miller		Philosophy/Religion	Philosophy Learning and Teaching Organization (PLATO)
	Rowan University's Student Activism and the Politics of Now Initiative	\$23,125	Anne Pluta	Danielle Gougon, Misty Knight-Finley	Political Science & Economics	American Political Science Association
CMSRU (4)	\$856,223					
	CMSRU provider's clinical support training	\$449,984	Kaitlan Baston	Igor Elman	CMSRU Dean	US Department of Health and Human Services
	Emerin regulation of nuclear architecture during cell invasion and metastasis	\$105,238	James Holaska		CMSRU Biomedical Science	W.W. Smith Charitable Trust
	Altered chromatin organization and gene expression in EDMD mutants	\$300,001	James Holaska		CMSRU Biomedical Science	Muscular Dystrophy Association
	CMSRU Clinic's Dental Health Initiative Pilot Program	\$1,000	Andrea Bottaro		CMSRU Biomedical Science	Delta Dental of New Jersey Foundation
CSM (14)	\$3,164,711					
	Microbial regulation of individual and social behaviors in honey bees	\$760,164	Svjjetlana Vojvodic		Biological Sciences	National Science Foundation (NSF)
	Development of novel high-affinity and selective antagonist ligands for the dopamine D4 Receptor (D4R) subtype	\$120,748	Thomas Keck		Chemistry & Biochemistry	High Point University
	Probing Dopamine D4 Receptor and CB1 Cannabinoid Receptor Synergy: Dual Targets for Alcohol Abuse and Addiction?	\$100,000	Thomas Keck		Chemistry & Biochemistry	PhRMA Foundation
	Development of broad-spectrum antimicrobial peptides using non-natural amino acids	\$33,750	Gregory Caputo		Chemistry & Biochemistry	New Jersey Health Foundation, Inc. (NJHF)
	Graduate Assistance in Artificial Intelligence and Cybersecurity	\$497,500	Bo Sun	Vasil Hnatyshin	Computer Science	US Department of Education
	Early Dementia Detection	\$48,799	Ganesh Baliga	David Libon, MaryLou Kerwin	Computer Science	New Jersey Health Foundation, Inc. (NJHF)
	Toward Location Privacy Protection in Mobile Spatial Crowdsourcing	\$174,356	Chenxi Qiu		Computer Science	National Science Foundation (NSF)
	Education, Demonstration, and Public Outreach using a Miniature MRI Scanner	\$9,150	Nicholas Whiting		Physics & Astronomy	Odessa & Henry Kahrs Trust
	Experimental Dissection of Crowding Effects on Biomolecular Diffusion and Binding	\$660,182	Nathaniel Nucci		Physics & Astronomy	National Science Foundation (NSF)
	Risk Assessment Using Noninvasive Measurements in Postoperative Pediatric Patients	\$131,960	Patrice Tremoulet		Psychology	Etiometry, Inc.
	Therapeutic Service Delivery to Families and Agencies	\$0	Roberta Dihoff		Psychology	The State of New Jersey
	Improving the Efficacy of Checkpoint Blockade Immunotherapy in Ovarian Cancer through Combination with Targeted Nanoparticle-Mediated Hyperthermia	\$169,328	Nicholas Whiting		Molecular & Cellular Biosci	Elsa U. Pardee Foundation
	CDC REACH Grant Vineland and Cumberland County 2018	\$456,774	Nicole Vaughn		Health & Exercise Science	YMCA
	Get Healthy Camden 2108 Blueprint Revision	\$2,000	Nicole Vaughn		Health & Exercise Science	United Way
EDU (5)	\$267,461					
	A determination of how African academics understand and maximise the existing and potential role of indigenous knowledge and practices in community-based research: Profiling the ecologically minded university and its contribution to sustainable development	\$4,261	Ane Johnson		Edu Svcs & Leadership	Nottingham Institute of Education
	William Frantz Public School: A Place-based Inquiry	\$4,000	Cori Brown	Martha Viator	Interdisc & Inclusive Education	University of Nebraska - Omaha
	Project Collaborate: Exploring the Essential Elements of Co-Teaching	\$120,000	Cori Brown		Interdisc & Inclusive Education	East Carolina University
	Language, Literacy, & Culture in Oaxaca, Mexico: A Rowan Summer Experience for K-12 Educators	\$88,372	Stephanie Abraham		Lang, Lit & Sociocult Edu	US Department of Education
	Translanguaging as Resistance and Restoration: Languages and Literacies in a Bilingual Community Writing Program	\$50,828	Stephanie Abraham	Kate Kedley	Center for Access, Success, and Eq	Spencer Foundation
ENG (33)	\$6,551,153					
	Comprehensive Assessment of the Induced Damage in Flexible Pavements Caused By Flooding	\$298,882	Yusuf Mehta	Ayman Ali	Civil/Env Engineering	US Department of Transportation (USDOT)
	Conduct Beam Fatigue Test of Hot Mix Asphalt.	\$0	Yusuf Mehta	Caitlin Purdy	Civil/Env Engineering	Allan Myers Materials
	Energy Harvesting on New Jersey Roadways	\$350,000	Ayman Ali	Cheng Zhu, John Schmalzel, Sangho Shin	Civil/Env Engineering	NJ Department of Transportation (NJDOT)
	Innovative Techniques and Materials for Preventing Concrete Shrinkage Cracking	\$299,642	Gilson Lomboy	Cheng Zhu, Douglas Cleary	Civil/Env Engineering	NJ Department of Transportation (NJDOT)
	Advanced Reinforced Concrete Materials for Transportation Infrastructures	\$349,731	Gilson Lomboy	Cheng Zhu, Douglas Cleary, William Riddell	Civil/Env Engineering	NJ Department of Transportation (NJDOT)
	Air Void check on Crisdel Road Cores	\$0	Caitlin Purdy		Civil/Env Engineering	Crisdel Group, Inc.
	Performance Testing Asphalt	\$0	Caitlin Purdy		Civil/Env Engineering	Earle Companies
	NJEDA Innovation Challenge Opportunity	\$40,000	Yusuf Mehta		Civil/Env Engineering	NJ Economic Development Authority (NJEDA)
	Active Earth science learning for K-12 students	\$7,000	Cheng Zhu		Civil/Env Engineering	Christian and Mary Lindback Foundation
	Injectable, highly sticky, antimicrobial, and hemostatic adhesive for cornea injury repair	\$50,000	Iman Noshadi		Chemical Engineering	National Science Foundation (NSF)
	3D direct writing fabrication of biodegradable and biocompatible soft miniaturized supercapacitor	\$499,999	Iman Noshadi		Chemical Engineering	National Science Foundation (NSF)
	Exploiting the Thermal Stability and Stiffness Inherent in Lignin Via a Novel Raw Materials to Versatile, Asymmetric Diols to Polymers Approach	\$333,334	Joseph Stanzione		Chemical Engineering	Montana State University
	FFS: Coperion Fee-for-Service Account	\$0	Joseph Stanzione		Chemical Engineering	Coperion
	GANN: Developing Innovative Solution to Improving Transportation Infrastructure, Reducing Congestion, Injuries and Fatalities.	\$714,000	Yusuf Mehta	Cheng Zhu, Gilson Lomboy, Kauser Jahan	Civil/Env Engineering	US Department of Education
	An Innovative Framework for High Resolution Quantitative Assessment of Structural Resilience for Communities under Multi-Hazard	\$385,833	Rouzbeh Nazari	Amirhossein Iranmanesh, Mohammad Motar	Civil/Env Engineering	National Institute of Standards and Technology
	Level/Flow Sensor Deployment and Data Collection for Tottenville Shoreline Protection Project	\$65,470	Rouzbeh Nazari		Civil/Env Engineering	Armand Corporation
	Bicycle and Pedestrian Resource Center	\$59,970	Mohammad Jalayer		Civil/Env Engineering	Rutgers, The State University of New Jersey
	NSF I-Corp: An innovative framework for high resolution quantitative assessment of flood resiliency	\$50,000	Rouzbeh Nazari		Civil/Env Engineering	National Science Foundation (NSF)
	Evaluation of the Sustainability of the Hydrothermal Processing of Select Organic Waste Feedstocks: Accounting for Water Quality and Nutrient Recovery Impacts	\$150,000	Sarah Bauer		Civil/Env Engineering	Johnson & Johnson
	Utility Pole Safety and Hazard Evaluation Approaches	\$45,000	Mohammad Jalayer		Civil/Env Engineering	TRB (Transportation Research Board of The National Academies)
	Microstructural effects on creep and fatigue in heterogeneous salt	\$22,000	Cheng Zhu		Civil/Env Engineering	State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation
	Memristive CMOS (mCMOS) Technology for Nano Memristive VLSI Manufacturing	\$343,448	Sangho Shin	Robert Krcnavek	Electrical/Computer Engineering	National Science Foundation

Proposals
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	Memristor-Based Highly-Sensitive and High-Speed Nanopore Instrumentation	\$356,129	Sangho Shin	John Schmalzel	Electrical/Computer Engineering	National Science Foundation
	Creating opportunities in STEM field through engineering clinic and outreach programs	\$44,962	Anu Osta		Mechanical Engineering	American Honda Foundation
	Engineering Clinic Program: A platform for documenting the experiences and challenges of female undergraduate students and identify factors influencing their recruitment and retention.	\$15,000	Anu Osta		Mechanical Engineering	Engineering Information Foundation
	Brain Tumor on Chip for Drug Testing	\$35,000	Amir Miri Ramsheh		Mechanical Engineering	New Jersey Health Foundation, Inc. (NJHF)
	Optimizing Alpha-Hemolysin Nanopore Biosensor to Detect Changes in Promoter Methylation Status of MGMT Gene in Colorectal Cancer	\$130,932	Jiwook Shim	Trang Vu	Biomedical Engineering	National Institutes of Health (NIH)
	Harnessing neurovascular interaction to guide axon growth	\$73,346	Peter Galie	Peter Partyka	Biomedical Engineering	National Institutes of Health (NIH)
	Fellowships in Biomaterials and Pharmaceutical Engineering	\$990,000	Mark Byrne		Biomedical Engineering	US Department of Education
	Development and Characterization of Novel Silicone Hydrogel Lens Materials	\$87,665	Mark Byrne		Biomedical Engineering	Gelest, Inc.
	Nanopore-based investigation of BPDE-DNA adducts	\$499,978	Jiwook Shim		Biomedical Engineering	National Science Foundation (NSF)
	Post-drawn polycaprolactone nanofibers for ACL replacement grafts	\$215,967	Vincent Beachley		Biomedical Engineering	The College of New Jersey (TCNJ)
	Promoting Faculty Professional Development and Community Building within Engineering Unleashed	\$37,865	Cheryl Bodnar		ExEEd	KERN Family Foundation
SEE (2)	\$214,591					
	Conservation Blueprint 2018 - Phase 3a	\$20,000	John Hasse		Geography, Planning, and Sust	Nature Conservancy
	Restoring Coastal Dunes with Biochar to Protect Rural Agriculture, Enhance Coastal Community Security, and Sequester Carbon	\$194,591	Elisha Moore		Environmental Science	U.S Department of Agriculture National Institute of Food and Agriculture (USDA - I
SOM (13)	\$4,162,760					
	To Sleep or Not to Sleep - Are Calcium Sensor Proteins NCALD and S100B Part of the Answer?	\$25,000	Venkateswar Venkataram	Richard Jermyn	Cell Biology	Osteopathic Heritage Foundation
	Physiological Genomics of Central Vasopressin Circuits Across Gender	\$156,697	Benjamin Rood		Cell Biology	National Institutes of Health (NIH)
	Translating Novel Treatments for Fragile X Syndrome from the Fly to the Mouse Model	\$45,000	Sean McBride		Cell Biology	FRAXA Research Foundation
	New Jersey Geriatrics Workforce Enhancement Program (NJGWEP) - Opioid Supplemental Funding	\$31,825	Anita Chopra	Elyse Perweiler, Richard Jermyn	NJISA	Health Resources and Services Administration (HRSA)
	SIRT2-Acyl Chain Interactions in Myelin	\$33,000	Brian Weiser		Molecular Biology	United Leukodystrophy Foundation
	Transcriptional Control of Autophagy and Aging	\$25,000	Katrina Cooper		Molecular Biology	Osteopathic Heritage Foundation
	SIRT2 Interactions with Acyl Chains in Myelin	\$442,750	Brian Weiser		Molecular Biology	National Institutes of Health (NIH)
	Muller-Weeks Excellence in Teaching Award	\$1,000	Susan Muller-Weeks		Molecular Biology	New Jersey Health Foundation, Inc. (NJHF)
	Targeting PDPN to combat oral cancer - new synergies for an ancient approach to a modern target.	\$25,000	Gary Goldberg		Molecular Biology	Osteopathic Heritage Foundation
	Ethnic differences in HDL dysfunction during pregnancy: Their association with preterm delivery	\$1,989,588	Xinhua Chen	Bob Steer, Robert Nagele, Thomas Stein	OB/GYN	National Institutes of Health (NIH)
	Psychological Services For Abused & Neglected Children - 19BYDS	\$197,890	Wendy Aita		Psychiatry	New Jersey Department of Children and Families (NJDCF)
	Children's Mental Health- Intellectual Disability Outpatient Care	\$200,000	Wendy Aita		Developmental Disabilities	New Jersey Department of Children and Families (NJDCF)
	DMHAS-RowanSOM Integrated Primary Care MAT Coaching Program	\$990,000	Richard Jermyn		Rehabilitation Medicine	NJ Department of Human Services
RU (78)	\$16,567,294					