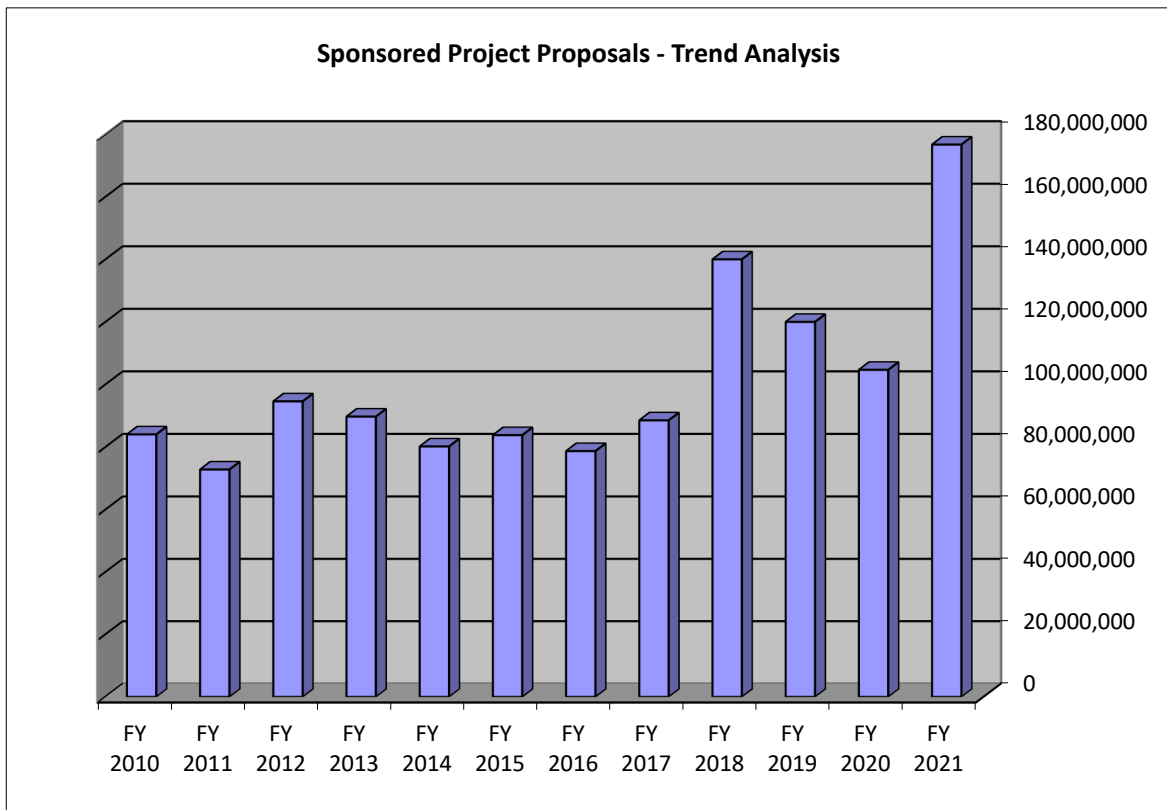


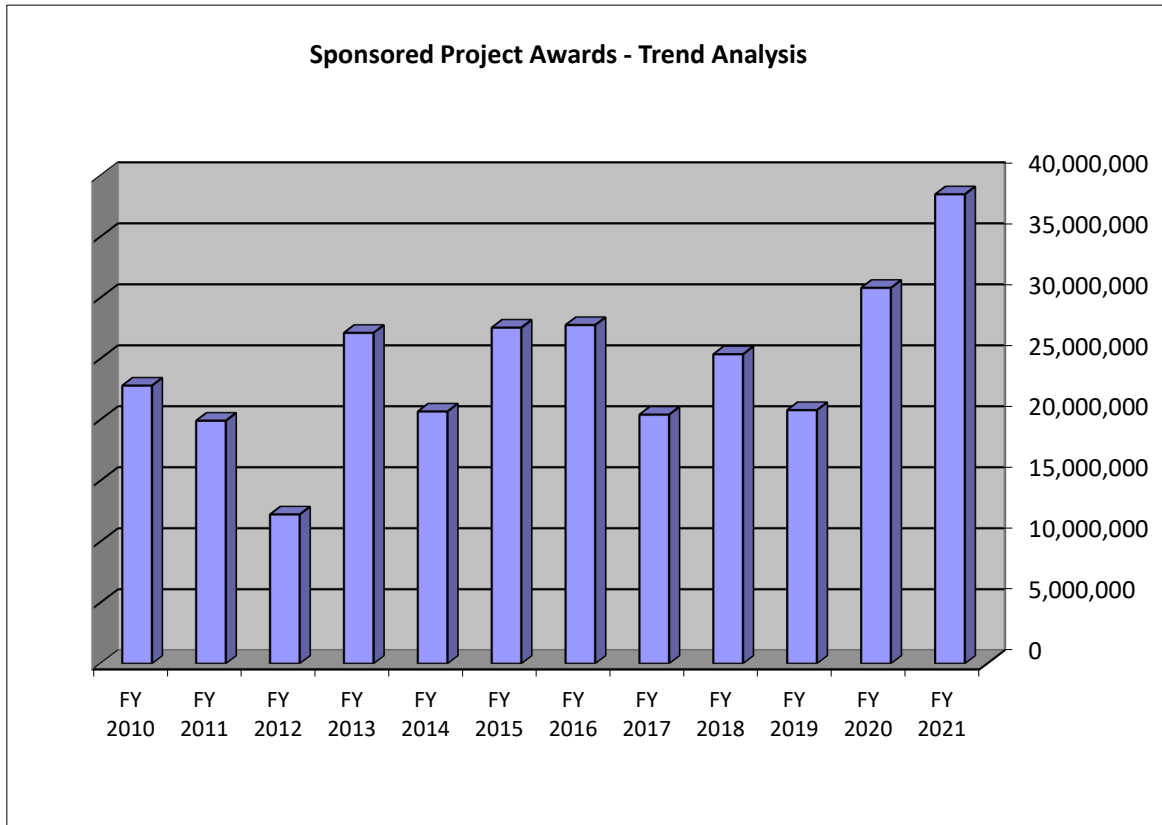
**UNDSMHS**  
**Sponsored Project Proposals - Trend Analysis**  
**FY 2021**

Fiscal Year	Proposals (\$)	Change From Last Fiscal Year (%)
FY 2021	176,773,699	68.78%
FY 2020	104,739,053	-12.77%
FY 2019	120,070,515	-14.27%
FY 2018	140,064,150	58.11%
FY 2017	88,587,229	12.50%
FY 2016	78,745,920	-6.08%
FY 2015	83,845,325	4.51%
FY 2014	80,229,236	-10.63%
FY 2013	89,775,503	-5.16%
FY 2012	94,657,147	29.90%
FY 2011	72,867,781	-13.35%
FY 2010	84,092,452	N/A
<b>Totals</b>	<b>1,214,448,010</b>	



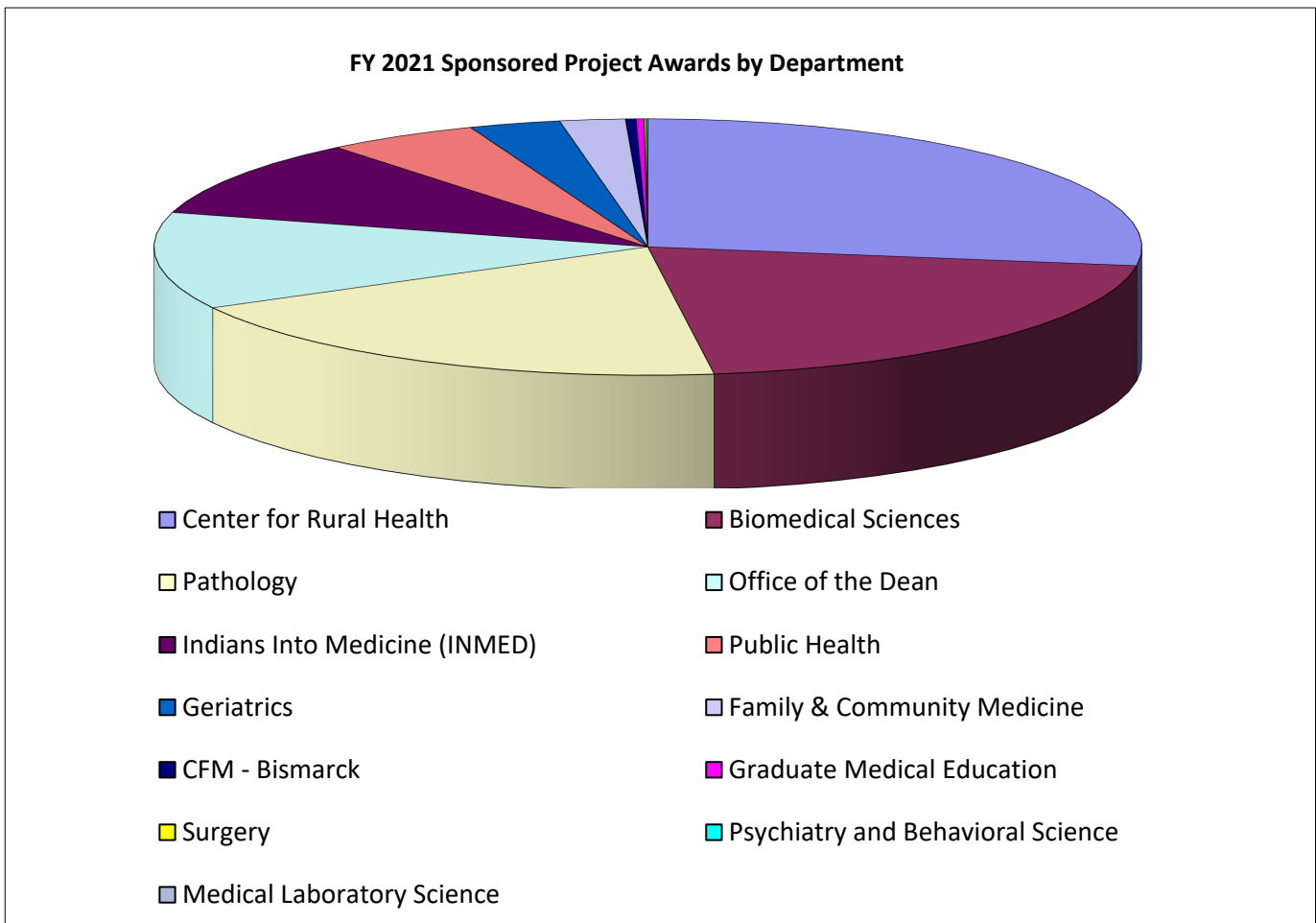
**UNDSMHS**  
**Sponsored Project Awards - Trend Analysis**  
**FY 2021**

Fiscal Year	Awards (\$)	Change From Last Fiscal Year (%)
FY 2021	38,476,968	24.90%
FY 2020	30,805,926	48.21%
FY 2019	20,785,319	-18.06%
FY 2018	25,366,758	24.27%
FY 2017	20,412,330	-26.47%
FY 2016	27,759,188	0.77%
FY 2015	27,547,820	33.26%
FY 2014	20,672,896	-23.77%
FY 2013	27,118,802	121.73%
FY 2012	12,230,393	-38.59%
FY 2011	19,915,255	-12.63%
FY 2010	22,793,108	N/A
<b>Totals</b>	<b><u>293,884,763</u></b>	



**UNDSMHS  
Sponsored Project Awards by Department  
FY 2021**

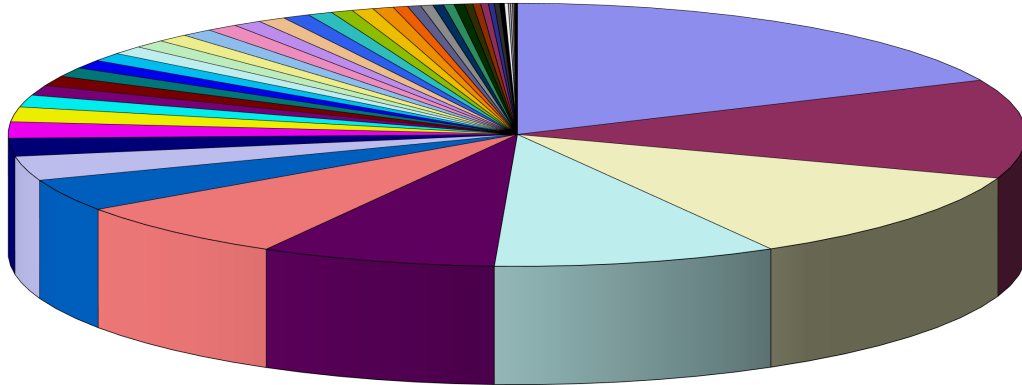
Department	Awards (\$)	Awards (#)	Percent of Total Awards
Center for Rural Health	10,525,399	50	27.36%
Biomedical Sciences	7,888,121	33	20.50%
Pathology	7,410,874	5	19.26%
Office of the Dean	4,697,406	6	12.21%
Indians Into Medicine (INMED)	3,775,335	5	9.81%
Public Health	1,925,851	8	5.01%
Geriatrics	1,150,000	3	2.99%
Family & Community Medicine	825,399	7	2.15%
CFM - Bismarck	130,517	4	0.34%
Graduate Medical Education	100,000	1	0.26%
Surgery	25,000	1	0.06%
Psychiatry and Behavioral Science	22,066	2	0.06%
Medical Laboratory Science	1,000	1	0.00%
<b>Totals</b>	<b>38,476,968</b>	<b>126</b>	<b>100.0%</b>



**UNDSMHS**  
**Sponsored Project Awards by PI**  
**FY 2021**

Principal Investigator	Awards (\$)	Awards (#)	Percent of Total Awards
Sens, Donald	7,010,874	4	18.22%
Warne, Donald	4,685,055	6	12.18%
Basson, Marc	4,359,999	3	11.33%
Sande, Kristine	3,460,221	2	8.99%
Adamsen, Collette	2,873,481	9	7.47%
Combs, Colin	2,759,803	4	7.17%
Ward, Jody	1,527,838	2	3.97%
Jurivich, Donald	1,150,000	3	2.99%
Khan, Mohammad Nadeem	853,186	4	2.22%
Chen, Xuesong; Geiger, Jonathan	767,084	2	1.99%
Lyon-Colbert, Amber	700,000	1	1.82%
Quinn, Rebecca	569,719	3	1.48%
Schroeder, Shawnda	478,098	12	1.24%
Golovko, Mikhail	468,207	1	1.22%
Johnson, Eric	443,700	4	1.15%
Dickson, Lynette	409,453	1	1.06%
Wu, Min	404,956	2	1.05%
Sens, Mary Ann	400,000	1	1.04%
Gibbens, Brad	391,925	2	1.02%
Nagamoto-Combs, Kumi	387,750	1	1.01%
Brown-Borg, Holly	384,518	2	1.00%
Schmitz, David	381,699	3	0.99%
Lei, Saobo	347,500	1	0.90%
Wynne, Joshua	337,407	3	0.88%
Nissen, Kylie	328,410	7	0.85%
Brissette, Catherine	301,500	2	0.78%
Gray, Jacqueline	265,000	2	0.69%
Doze, Van	263,734	4	0.69%
Nechaev, Sergei	251,771	1	0.65%
Vaughan, Roxanne	178,097	1	0.46%
Tulin, Alexei	161,044	2	0.42%
La Pierre, Yvette	150,000	2	0.39%
Quisno, Jacqueline	128,917	3	0.34%
Redvers, Nicole	128,169	2	0.33%
Geiger, Jonathan	126,049	2	0.33%
Becker, Kimberly	100,000	1	0.26%
Sletten, Sarah	96,192	2	0.25%
Kusler, Stacy	93,622	2	0.24%
Rosenberger, Thad	70,500	1	0.18%
Hur, Jung	66,230	1	0.17%
Reiten, Julie	55,572	2	0.14%
Meyer, Michelle	47,441	3	0.12%
Wescott, Siobhan	27,000	1	0.07%
Jensen, Mark	25,000	1	0.06%
Roerig, James	16,066	1	0.04%
Evenson, Ashley	10,962	1	0.03%
Warne, Maylynn Riding In	10,001	1	0.03%
Arnold, Julie	8,118	1	0.02%
Breigenzer, Amy	6,500	1	0.02%
Wilsnack, Sharon	6,000	1	0.02%
Hostetter, Jeffrey	1,600	1	0.00%
Lunak, Zachary	1,000	1	0.00%
<b>Totals</b>	<b>38,476,968</b>	<b>126</b>	<b>100.0%</b>

FY 2021 Sponsored Project Awards by PI

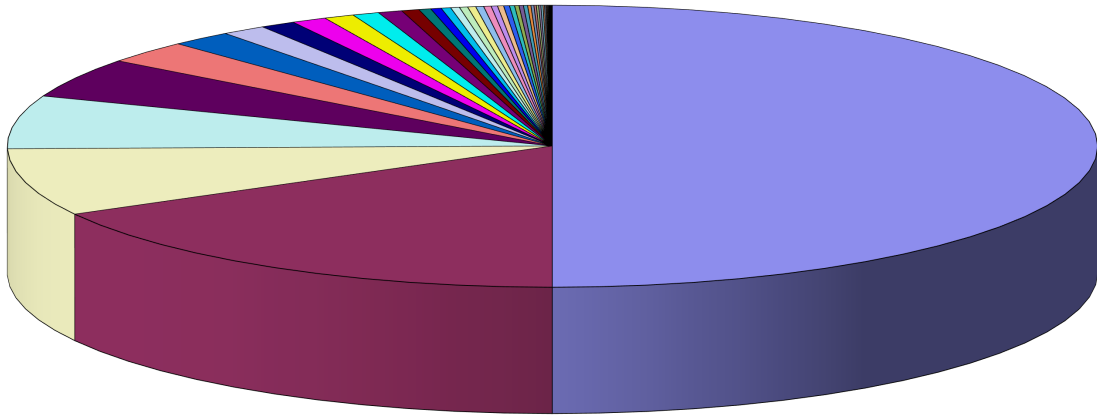


- |                                   |                            |                         |
|-----------------------------------|----------------------------|-------------------------|
| ■ Sens, Donald                    | ■ Warne, Donald            | ■ Basson, Marc          |
| ■ Sande, Kristine                 | ■ Adamsen, Collette        | ■ Combs, Colin          |
| ■ Ward, Jody                      | ■ Jurivich, Donald         | ■ Khan, Mohammad Nadeem |
| ■ Chen, Xuesong; Geiger, Jonathan | ■ Lyon-Colbert, Amber      | ■ Quinn, Rebecca        |
| ■ Schroeder, Shawnda              | ■ Golovko, Mikhail         | ■ Johnson, Eric         |
| ■ Dickson, Lynette                | ■ Wu, Min                  | ■ Sens, Mary Ann        |
| ■ Gibbens, Brad                   | ■ Nagamoto-Combs, Kumi     | ■ Brown-Borg, Holly     |
| ■ Schmitz, David                  | ■ Lei, Saobo               | ■ Wynne, Joshua         |
| ■ Nissen, Kylie                   | ■ Brissette, Catherine     | ■ Gray, Jacqueline      |
| ■ Doze, Van                       | ■ Nechaev, Sergei          | ■ Vaughan, Roxanne      |
| ■ Tulin, Alexei                   | ■ La Pierre, Yvette        | ■ Quisno, Jacqueline    |
| ■ Redvers, Nicole                 | ■ Geiger, Jonathan         | ■ Becker, Kimberly      |
| ■ Sletten, Sarah                  | ■ Kusler, Stacy            | ■ Rosenberger, Thad     |
| ■ Hur, Jung                       | ■ Reiten, Julie            | ■ Meyer, Michelle       |
| ■ Wescott, Siobhan                | ■ Jensen, Mark             | ■ Roerig, James         |
| ■ Evenson, Ashley                 | ■ Warne, Maylynn Riding In | ■ Arnold, Julie         |
| ■ Breigenzer, Amy                 | ■ Wilsnack, Sharon         | ■ Hostetter, Jeffrey    |
| ■ Lunak, Zachary                  |                            |                         |

**UNDSMHS**  
**Sponsored Project Awards by Sponsor**  
**FY 2021**

Sponsor	Awards (\$)	Awards (#)	Percent of Total Awards
National Institutes of Health	19,238,196	21	50.00%
Health Resources and Services Administration	6,530,841	11	16.97%
ND Department of Health	2,967,761	23	7.71%
Margaret A. Cargill Foundation	2,340,000	2	6.08%
Department of Health & Human Services	1,754,617	6	4.56%
ND Department of Human Services	999,718	5	2.60%
Indian Health Service	700,000	1	1.82%
National Science Foundation	506,505	4	1.32%
DHHS - Centers for Disease Control	400,000	1	1.04%
University of New Mexico	400,000	2	1.04%
Boston University	344,018	1	0.89%
Department of Veterans' Affairs	303,764	2	0.79%
Merck & Co	274,306	1	0.71%
Administration for Community Living	200,000	1	0.52%
Agricultural Research Center	137,500	1	0.36%
Minnesota Department of Human Services	120,000	1	0.31%
Drexel University	109,369	1	0.28%
Sanford Health	99,979	5	0.26%
The Ohio University	93,114	1	0.24%
US Army Medical Research and Material	91,917	1	0.24%
Planet Biotechnology, Inc.	90,000	1	0.23%
American Association of Retired Persons	85,000	2	0.22%
BBC Entrepreneurial Training & Consulting	71,951	3	0.19%
Institute for Cancer Research	69,127	1	0.18%
University of Michigan	66,230	1	0.17%
American Association of Immunologist	57,456	1	0.15%
Blue Cross Blue Shield of ND	50,000	1	0.13%
Multi-Sponsor	50,000	4	0.13%
University of Washington	46,954	1	0.12%
North Dakota State University	37,441	2	0.10%
Department of the Navy	33,643	1	0.09%
American Indian Higher Education Consortium	27,000	1	0.07%
National Indian Council on Aging	26,000	1	0.07%
American Medical Association	25,000	1	0.06%
Substance Abuse and Mental Health Services	24,555	1	0.06%
University of Nebraska	16,680	1	0.04%
North Dakota Community Foundation	15,000	1	0.04%
Forum Communications Company	10,962	1	0.03%
University of Alabama at Birmingham	10,299	1	0.03%
University of Southern California	10,001	1	0.03%
American Society for Pharmacology & Therapeutics	9,000	1	0.02%
University of Colorado Denver	8,294	1	0.02%
Mercy Hospital of Devils Lake	6,500	1	0.02%
Public Health Institute	6,000	1	0.02%
Jamestown Regional Medical Center	5,000	1	0.01%
Boise State University	4,670	1	0.01%
Lutheran Social Services	1,600	1	0.00%
American Society of Clinical Pathology	1,000	1	0.00%
<b>Totals</b>	<b>38,476,968</b>	<b>126</b>	<b>100.0%</b>

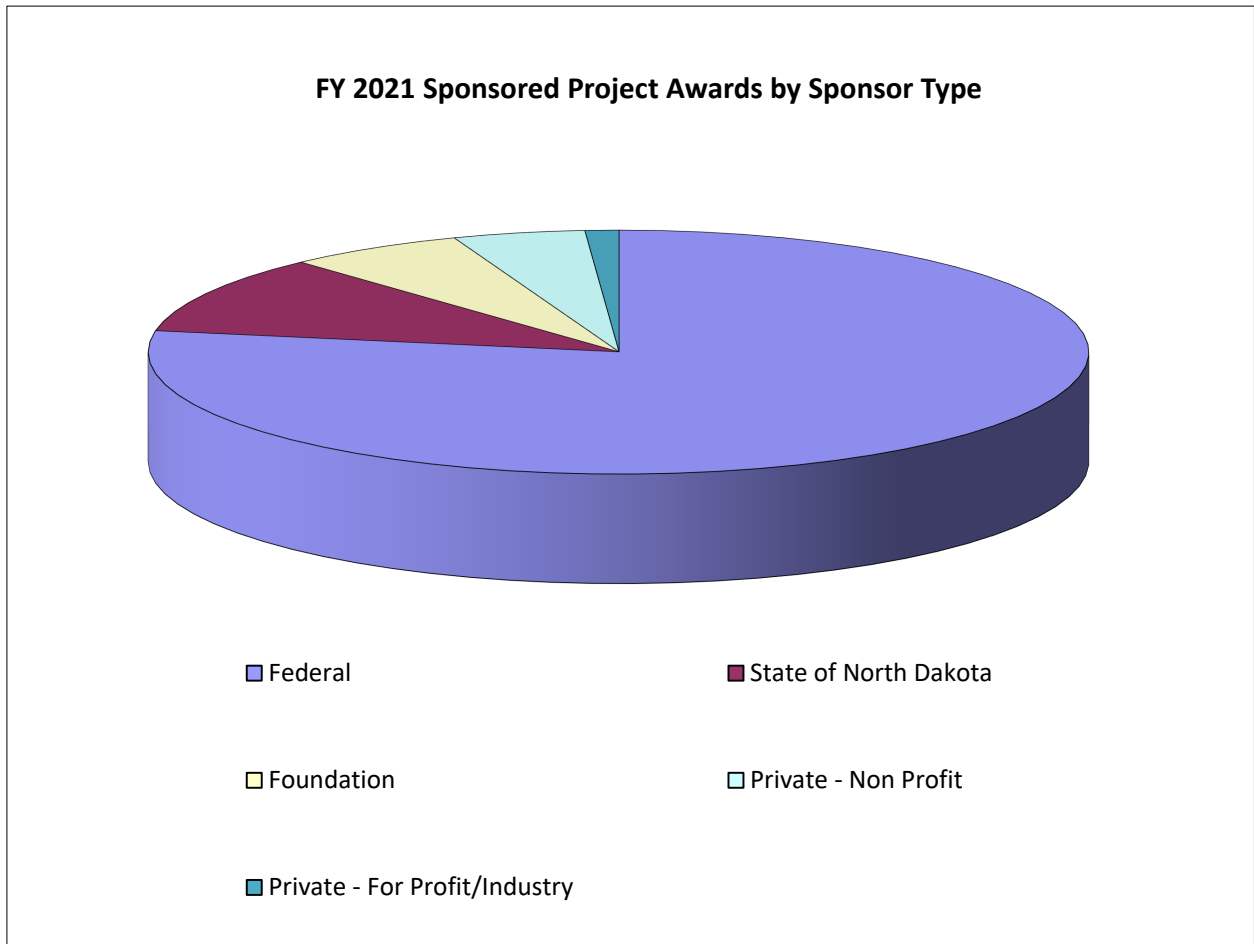
### FY 2021 Sponsored Project Awards by Sponsor



- |  |  |
|--|--|
| ■ National Institutes of Health                    | ■ Health Resources and Services Administration |
| ■ ND Department of Health                          | ■ Margaret A. Cargill Foundation               |
| ■ Department of Health & Human Services            | ■ ND Department of Human Services              |
| ■ Indian Health Service                            | ■ National Science Foundation                  |
| ■ DHHS - Centers for Disease Control               | ■ University of New Mexico                     |
| ■ Boston University                                | ■ Department of Veterans' Affairs              |
| ■ Merck & Co                                       | ■ Administration for Community Living          |
| ■ Agricultural Research Center                     | ■ Minnesota Department of Human Services       |
| ■ Drexel University                                | ■ Sanford Health                               |
| ■ The Ohio University                              | ■ US Army Medical Research and Material        |
| ■ Planet Biotechnology, Inc.                       | ■ American Association of Retired Persons      |
| ■ BBC Entreprenurial Training & Consulting         | ■ Institute for Cancer Research                |
| ■ University of Michigan                           | ■ American Association of Immunologist         |
| ■ Blue Cross Blue Shield of ND                     | ■ Multi-Sponsor                                |
| ■ University of Washington                         | ■ North Dakota State University                |
| ■ Department of the Navy                           | ■ American Indian Higher Education Consortium  |
| ■ National Indian Council on Aging                 | ■ American Medical Association                 |
| ■ Substance Abuse and Mental Health Servies        | ■ University of Nebraska                       |
| ■ North Dakota Community Foundation                | ■ Forum Communications Company                 |
| ■ University of Alabama at Birmingham              | ■ University of Southern California            |
| ■ American Society for Pharmacology & Therapeutics | ■ University of Colorado Denver                |
| ■ Mercy Hospital of Devils Lake                    | ■ Public Health Institute                      |
| ■ Jamestown Regional Medical Center                | ■ Boise State University                       |
| ■ Lutheran Social Services                         | ■ American Society of Clinical Pathology       |

**UNDSMHS  
Sponsored Project Awards by Sponsor Type  
FY 2021**

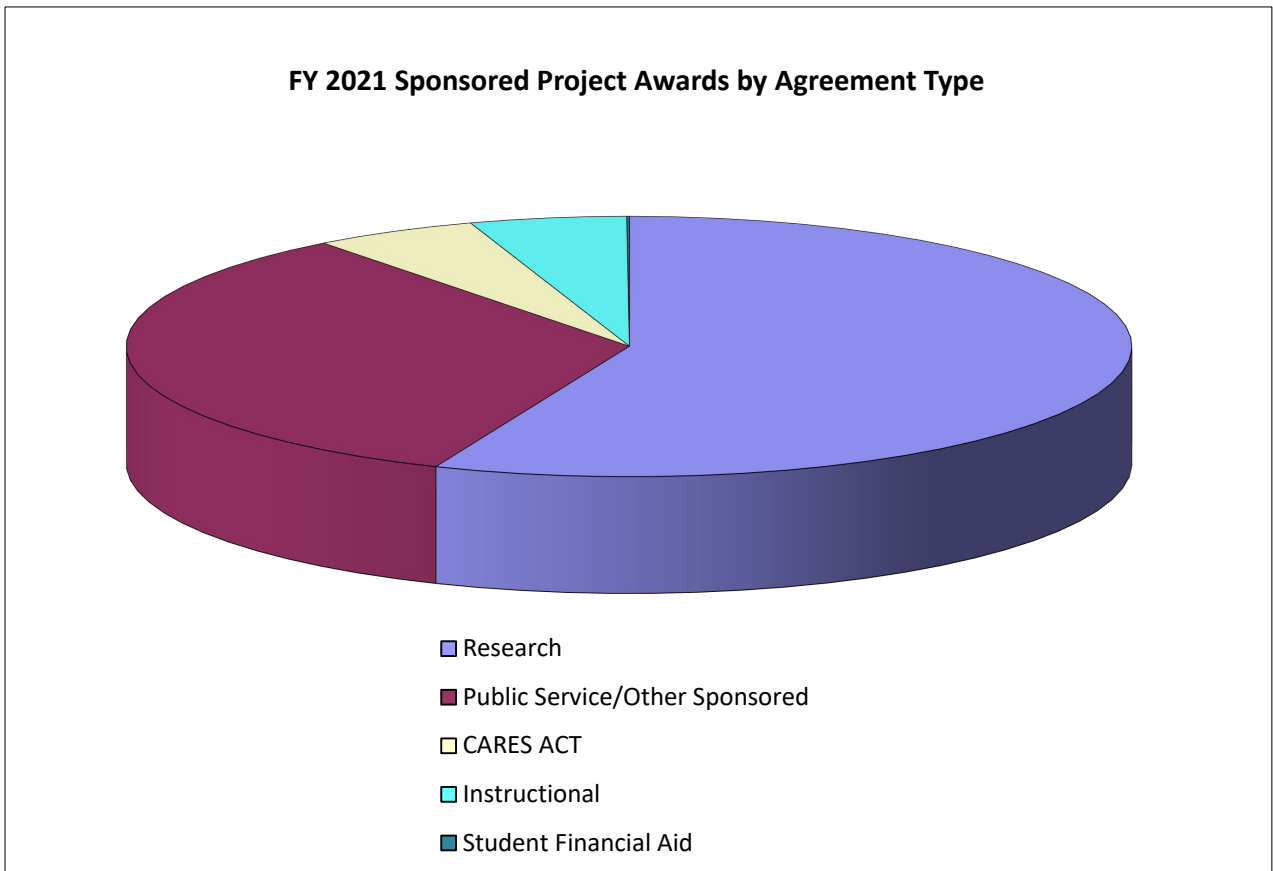
Sponsor Type	Awards (\$)	Awards (#)	Percent of Total Awards
Federal	29,921,538	51	77.76%
State of North Dakota	4,004,920	30	10.41%
Foundation	2,356,000	4	6.12%
Private - Non Profit	1,747,291	35	4.54%
Private - For Profit/Industry	447,219	6	1.16%
<b>Totals</b>	<b>38,476,968</b>	<b>126</b>	<b>100.0%</b>





**UNDSMHS  
Sponsored Project Awards by Agreement Type  
FY 2021**

Agreement Type	Awards (\$)	Awards (#)	Percent of Total Awards
Research	21,652,429	51	56.27%
Public Service/Other Sponsored	12,817,078	64	33.31%
CARES ACT	2,036,720	5	5.29%
Instructional	1,937,098	5	5.03%
Student Financial Aid	33,643	1	0.09%
<b>Totals</b>	<b>38,476,968</b>	<b>126</b>	<b>100.0%</b>



**UNDSMHS SPONSORED PROJECT QUARTERLY REPORT**  
**4th Quarter FY 2021**  
 April 1, 2021 through June 30, 2021

*Awards (\$)*

Fiscal Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Cumulative
2021	15,324,445	3,138,958	3,994,100	16,019,465	38,476,968
2020	13,373,450	1,810,197	1,131,226	14,491,053	30,805,926
2019	8,231,889	2,331,626	675,632	9,546,172	20,785,319
2018	8,574,853	3,557,673	1,248,272	11,985,960	25,366,758
2017	5,393,409	3,280,381	1,902,286	9,836,254	20,412,330

*Awards (#)*

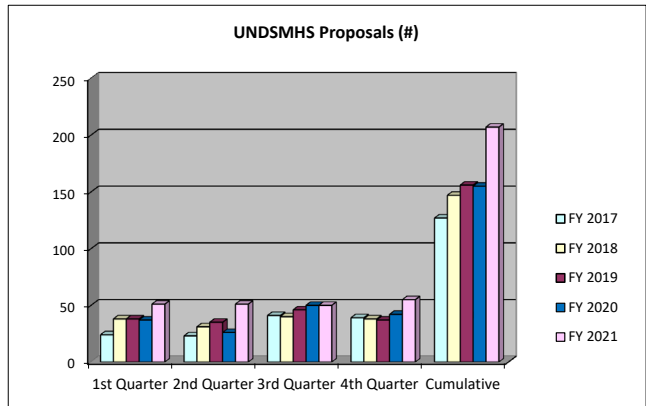
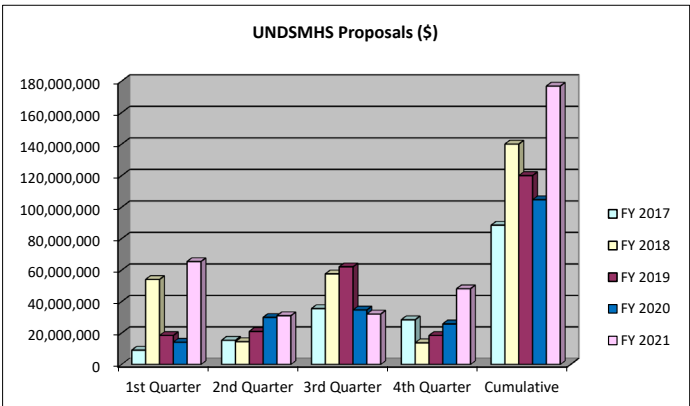
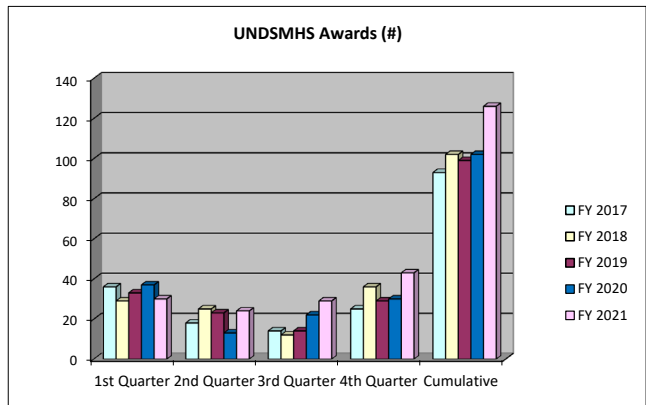
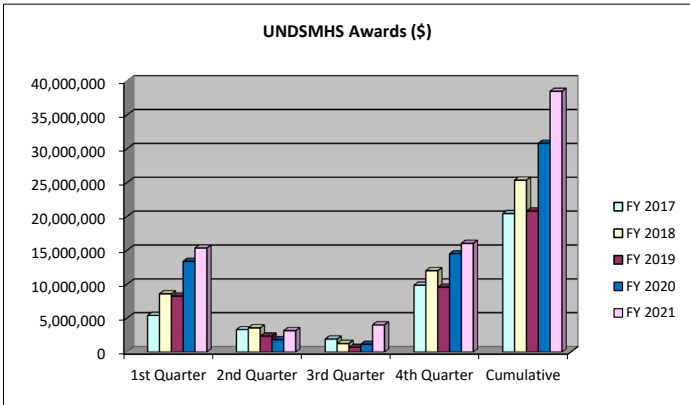
Fiscal Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Cumulative
2021	30	24	29	43	126
2020	37	13	22	30	102
2019	33	23	14	29	99
2018	29	25	12	36	102
2017	36	18	14	25	93

*Proposals (\$)*

Fiscal Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Cumulative
2021	65,504,894	31,018,801	32,078,260	48,171,744	176,773,699
2020	14,216,978	29,992,897	34,680,184	25,848,994	104,739,053
2019	18,462,076	21,043,515	62,114,019	18,450,905	120,070,515
2018	54,087,027	14,505,732	57,620,859	13,850,532	140,064,150
2017	9,139,387	15,426,274	35,549,380	28,472,188	88,587,229

*Proposals (#)*

Fiscal Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Cumulative
2021	51	51	50	55	207
2020	37	26	50	42	155
2019	38	35	46	37	156
2018	38	31	40	38	147
2017	24	23	41	39	127



**UNDSMHS  
Awards Received - FY 2021**

P.I.	Department Name	Sponsor	Title	Award Amount	
<b>Listing of Grants/Contracts for the Month of July</b>					
Lunak,Zachary R	Medical Laboratory Science	American Society of Clinical	Special Stain Kits for Rural Clinical Affiliates	1,000.00	UND0024925
Schroeder,Shawnda Marie	Rural Health	ND Department of Health	HRSA Oral Health Program, ND DoH Oral Health	5,702.00	UND0024161
Schroeder,Shawnda Marie	Rural Health	ND Department of Health	CDC Oral Health Program, ND DoH Oral Health	5,702.00	UND0024160
Schmitz,David Frederick	Family & Community Medicine	University of Washington	HRSA Academic Units for Training Rural PREP Project	46,954.00	UND0022950
Brisette,Catherine Ayn	Biomedical Sciences	Planet Biotechnology, Inc.	FH/Fc Enhances Immune-Mediated Clearance of	90,000.00	UND0024663
Combs,Colin Kelly	Biomedical Sciences	The Ohio State University	Mechanisms of exposure-induced tissue functional...	93,114.00	UND0021660
Johnson,Eric Lind	Family & Community Medicine	ND Department of Health	ND Quits	323,247.00	UND0025142
Chen,Xuesong	Biomedical Sciences	National Institutes of Health	Tat endolysosome escape and HAND	352,500.00	UND0023117
Dickson, Lynette	Rural Health	Health Resources & Services	BHWET-YEAR 4-Dickinson (CRH)	409,452.92	UND0025439
Warne,Donald Keith	INMED	Indian Health Service	INMED 20-21	700,000.00	UND0024920

10 2,027,671.92

<b>Listing of Grants/Contracts for the Month of August</b>					
Evenson, Ashley	Masters of Public Health	Forum Communications Company	Forum Communications Outreach	10,962.00	UND0025383
Schroeder,Shawnda Marie	Rural Health	Health Resources & Services	Rural Research to Diverse Audiences (Gateway)	33,750.00	UND0021966
Schroeder,Shawnda Marie	Rural Health	ND Department of Health	North Dakota Oral Health HRSA 2020-2021: ND DoH	35,000.00	UND0025305
Schroeder,Shawnda Marie	Rural Health	ND Department of Health	North Dakota Oral Health CDC 2020-2021: ND DoH	80,000.00	UND0025306
Adamsen,Collette Marie	Rural Health	Margaret A. Cargill Foundation	Native Aging in Place Project (NAPP)	240,000.00	UND0021345
Adamsen,Collette Marie	Rural Health	U.S. Department of Health & Human	National Resource Center on Native American Aging	247,350.00	UND0024954
Nechaev,Sergei Yurievich	Biomedical Sciences	National Science Foundation	CAREER: Organization of global transcriptomes by	251,771.00	UND0022660
Warne,Donald Keith	Masters of Public Health	ND Department of Health	COVID 19 Response 2	763,000.00	UND0025358
Sens,Donald	Pathology	National Institutes of Health	ND INBRE Health & the Environment	3,379,827.00	UND0023886

9 5,041,660.00

<b>Listing of Grants/Contracts for the Month of September</b>					
Adamsen,Collette Marie	Rural Health	University of Colorado Denver	Investigator Development Pilot - Alzheimers in	8,294.00	UND0023597
Wu,Min	Biomedical Sciences	American Association of	Gut Microbiota Modulate innate Lymphoid Cells To	57,456.00	UND0025178
Hur,Jung UK	Biomedical Sciences	University of Michigan	Integrated Systems Biology Approach to Diabetic	66,229.88	UND0022192
Vaughan,Roxanne	Biomedical Sciences	National Institutes of Health	Epigenomics of Development and Disease	178,097.00	UND0025025
Khan,Mohammad Nadeem	Biomedical Sciences	Merck & Co	Anti-capsular immunity to pneumococcal serotypes	274,306.25	UND0023031
Gibbens,Brad Perry	Rural Health	Health Resources & Services	Area Health Education Centers (AHEC)	296,470.00	UND0022191
Nagamoto-Combs,Kumi	Biomedical Sciences	National Institutes of Health	Investigation of Chronic Allergen Exposure as a Risk	387,750.00	UND0024820
Sande,Kristine Marie	Rural Health	Health Resources & Services	Rural Assistance Center for ORHP Cooperative	500,000.00	UND0025413
Ward,Jody L	Rural Health	Health Resources & Services	Medicare Rural Hospital Flexibility Program 2019-2021	1,065,742.00	UND0023877
Combs,Colin Kelly	Biomedical Sciences	National Institutes of Health	Communicating Intestinal Inflammation to the Brain in	1,420,768.00	UND0024658
Basson,Marc D	Dean's Office Med	National Institutes of Health	DaCCoTA Year 3 Request, Year 2 RPPR	4,000,000.00	UND0025222

11 8,255,113.13

30 15,324,445.05

<b>Listing of Grants/Contracts for the Month of October</b>					
Schroeder,Shawnda Marie	Rural Health	Substance Abuse and Mental Health	MHTTC Provider Well-Being, Practitioner Self-Care,	24,555.00	UND0025690
Wescott,Siobhan M	Indians into Medicine	American Indian Higher Education	AIHEC Contract	27,000.00	UND0025296
Schroeder,Shawnda Marie	Rural Health	ND Department of Health	ND State Alzheimer's Disease Plan	45,000.00	UND0025443
Adamsen,Collette Marie	Rural Health	U.S. Department of Health & Human	National Resource Center on Native American Aging	61,837.00	UND0024954
Redvers,Nicole	Public Health Program	ND Department of Health	North Dakota Tribal Tobacco Control Program	87,469.00	UND0025060
Sens,Donald	Pathology	National Institutes of Health	ND INBRE Health & the Environment	134,096.00	UND0023886
Gray,Jacqueline S	Rural Health	Administration for Community Living	Native American Elder Justice Initiative Year 3	200,000.00	UND0025462

7 579,957.00

<b>Listing of Grants/Contracts for the Month of November</b>					
Geiger,Jonathan David	Biomedical Sciences	University of Nebraska	Great Plains IDEa-CTR Year 5	16,680.00	UND0025760
Johnson,Eric Lind	Family & Community Medicine	American Medical Association	AMA Blood Pressure Study	25,000.00	UND0025730
Wynne,Joshua	Dean's Office Med	Department of the Navy Office of	NAVY - EDUCATIONAL SERVICE AGREEMENT	33,642.64	UND0004528
Jurivich,Donald A	Geriatrics	University of New Mexico	AHRQ ECHO National Nursing Home COVID-19 Action	42,030.00	UND0025624
Wynne,Joshua	Dean's Office Med	Department of Veterans' Affairs	VA - RESIDENTS ROTATIONS	97,578.43	UND0004570
Johnson,Eric Lind	Family & Community Medicine	Agriculture Research Service	Clinical Research	137,500.00	UND0025303
Wu,Min	Biomedical Sciences	National Institutes of Health	Long noncoding RNAs interact with miRNAs to	347,500.00	UND0023290
Jurivich,Donald A	Geriatrics	University of New Mexico	AHRQ ECHO National Nursing Home COVID-19 Action	357,970.00	UND0025624
Lyon-Colbert, Amber Dawn	Public Health Program	ND Department of Human Services	State of North Dakota COVID-19 Household	700,000.00	UND0025508

9 1,757,901.07

<b>Listing of Grants/Contracts for the Month of December</b>					
Nissen,Kylie Jean	Rural Health	Jamestown Regional Medical Center	Jamestown Community Health Needs Assessment	5,000.00	UND0025771
Nissen,Kylie Jean	Rural Health	Multi-sponsor	Community Health Needs Assessment - West River	5,000.00	UND0025746
Nissen,Kylie Jean	Rural Health	Multi-sponsor	Community Health Needs Assessment - West River	5,000.00	UND0025746
Meyer,Michelle Marie	Rural Health	ND Department of Human Services	NECC Family Caregiver Online Tool	10,000.00	UND0025572
Warne,Maylynn Riding In	Rural Health	University of Southern California	National Center on Elder Abuse (NCEA) Fact Sheet	10,001.00	UND0024670
Gray,Jacqueline S	Rural Health	American Association of Retired	Tribal Elder Abuse Services Survey	65,000.00	UND0025601
Brown-Borg, Holly	Biomedical Sciences	Boston University	R56 Frailty: Prediction of Onset and Progression	344,018.00	UND0025454
Khan,Mohammad Nadeem	Biomedical Sciences	National Institutes of Health	Pathogenic role of IL-17 response in Streptococcus	357,081.00	UND0023824

8 801,100.00

24 3,138,958.07

<b>Listing of Grants/Contracts for the Month of January</b>					
Schroeder,Shawnda Marie	Rural Health	Health Resources & Services	Rural Research to Diverse Audiences (Gateway)	1,340.00	UND0021966
Schmitz,David Frederick	Family & Community Medicine	Boise State University	Health Professions Education in Rural Communities	4,670.00	UND0025575
Quisno,Jacqueline Elaine	Bismarck CFM	ND Department of Health	HIV/HepC Testing 2021	5,000.00	UND0025804
Sletten,Sarah Rae	Biomedical Sciences	National Institutes of Health	Indians Into Medicine: Native Educator University	8,587.00	UND0023009

Basson, Marc D	Dean's Office Med	U.S. Department of Health & Human	Developing a Novel FAK Activator to Heal the Gut	25,000.00	UND0025557
Jensen, Mark	Surgery	BBC Entrepreneurial Training &	Augmented Reality Surgical Training for Mastery of	25,000.00	UND0025592
Meyer, Michelle Marie	Rural Health	North Dakota State University	Technical Assistance for ND QSPs Supplement	26,429.00	UND0025704
Tulin, Alexei	Biomedical Sciences	Institute for Cancer Research	Histone-dependent PARP-1 inhibitors: a novel	69,127.00	UND0022863
Quinn, Rebecca Cheney	Rural Health	ND Department of Human Services	State Epidemiological Outcomes Workgroup (SEOW)	80,000.00	UND0025574
Sletten, Sarah Rae	Biomedical Sciences	National Institutes of Health	Indians Into Medicine: Native Educator University	87,605.00	UND0023009
Geiger, Jonathan David	Biomedical Sciences	Drexel University	Effects of Opiates on Neurons and their Impact on HIV	109,369.00	UND0023444
Brissette, Catherine Ayn	Biomedical Sciences	National Institutes of Health	Borrelia miyamotoi meningioencephalitis R21	211,500.00	UND0023779
				12	653,627.00

**Listing of Grants/Contracts for the Month of February**

Wilsnack, Sharon C	Psychiatry and Behavioral Sci	Public Health Institute	Alcohol's Harm to Others: Multinational Cultural	6,000.00	UND0020276
Arnold, Julie B	Rural Health	Sanford Health	Pediatric Mental Health Website	8,118.00	UND0024982
Khan, Mohammad Nadeem	Biomedical Sciences	University of Alabama at Birmingham	PspA binds necroptotic cells to cause disease and	10,299.00	UND0024897
Reiten, Julie Ann	Rural Health	ND Department of Health	Project ECHO Chronic Disease Series	12,954.00	UND0025865
Adamsen, Collette Marie	Rural Health	American Association of Retired	AARP Urban Indian Project Incentives (Supplemental)	20,000.00	UND0025527
Redvers, Nicole	Public Health Program	ND Department of Health	North Dakota Tribal Tobacco Control Program	40,700.00	UND0025060
Nissen, Kylie Jean	Rural Health	Blue Cross Blue Shield of ND	BCBS Rural Health Grant Program	50,000.00	UND0018336
Rosenberger, Thad	Biomedical Sciences	National Institutes of Health	Epigenetic Modulation of Purinergic Signaling	70,500.00	UND0024114
Warne, Donald Keith	Indians into Medicine	National Institutes of Health	Indigenous Trauma & Resilience Research Center	2,115,001.00	UND0024728
				9	2,333,572.00

**Listing of Grants/Contracts for the Month of March**

Quisno, Jacqueline Elaine	Bismarck CFM	ND Department of Health	Family Planning PHQ-2 and PHQ-9 Screening	2,250.00	UND0025972
Breigenzer, Amy K	Rural Health	Mercy Hospital of Devils Lake	Community Health Needs Assessment - Devils Lake	6,500.00	UND0026000
Schroeder, Shawnda Marie	Rural Health	ND Department of Health	North Dakota Oral Health HRSA 2020-2021: ND DoH	12,000.00	UND0025305
Sens, Donald	Pathology	BBC Entrepreneurial Training &	Sustainable Heartland Accelerator Regional	21,951.00	UND0023559
Schroeder, Shawnda Marie	Rural Health	ND Department of Health	North Dakota Oral Health CDC 2020-2021: ND DoH	22,700.00	UND0025306
Nissen, Kylie Jean	Rural Health	Multi-sponsor	Community Health Needs Assessment 6 Hospitals	30,000.00	UND0025998
Khan, Mohammad Nadeem	Biomedical Sciences	National Institutes of Health	Utilization of the Adjuvant Effect of CRM197 Protein to	211,500.00	UND0025255
Warne, Donald Keith	Indians into Medicine	U.S. Department of Health & Human	I.H.S. - Indians into Medicine	700,000.00	UND0025905
				8	1,006,901.00
				29	3,994,100.00

**Listing of Grants/Contracts for the Month of April**

Johnson, Eric Lind	Family & Community Medicine	ND Department of Health	ND Quits	-42,047.00	UND0025142
Kusler, Stacy Lynn	Rural Health	ND Department of Health	North Dakota Primary Care Office 2020-2021	3,000.00	UND0024939
Doze, Van Alan	Biomedical Sciences	American Society for Pharmacology	Summer Undergraduate Research Fellowship (SURF)	9,000.00	UND0024422
Meyer, Michelle Marie	Rural Health	North Dakota State University	TECHNICAL ASSISTANCE FOR ND INDEPENDENT QSPs	11,012.00	UND0025658
La Pierre, Yvette M	Public Health Program	ND Department of Health	North Dakota Tribal Tobacco Control Resource	19,877.00	UND0026090
Adamsen, Collette Marie	Rural Health	U.S. Department of Health & Human	National Resource Center on Native American Aging	50,000.00	UND0024954
Kusler, Stacy Lynn	Rural Health	ND Department of Health	Primary Care Office (PCO) 2021-2022	90,622.00	UND0026070
Tulin, Alexei	Biomedical Sciences	U.S. Army Medical Research and	Novel Targeted Therapeutics for Castration-Resistant	91,917.00	UND0022336
Gibbens, Brad Perry	Rural Health	Health Resources & Services	Area Health Education Centers Program COVID	95,455.00	UND0026159
La Pierre, Yvette M	Public Health Program	ND Department of Health	North Dakota Tribal Tobacco Control Resource	130,123.00	UND0026090
Warne, Donald Keith	Public Health Program	ND Department of Health	COVID 19 Response 2	173,720.00	UND0025358
Combs, Colin Kelly	Biomedical Sciences	National Institutes of Health	Oral Cavity and Brain Cross-talk in Alzheimer's Disease	1,230,093.00	UND0025348
				12	1,862,772.00

**Listing of Grants/Contracts for the Month of May**

Hostetter, Jeffrey E	Bismarck CFM	Lutheran Social Services of ND	LSS - Refugee Service	1,600.00	UND0025560
Nissen, Kylie Jean	Rural Health	Multi-sponsor	Community Health Needs Assessment 2 Hospitals	10,000.00	UND0026078
Combs, Colin Kelly	Biomedical Sciences	Sanford Health	Center for Biobehavioral Mechanisms of Eating	15,828.00	UND0025813
Roerig, James	Psychiatry and Behavioral Sci	Sanford Health	Center for Biobehavioral Mechanisms of Eating	16,066.00	UND0026255
Schroeder, Shawnda Marie	Rural Health	Sanford Health Fargo	Rural Behavioral Health Program - Working Group	17,349.00	UND0025134
Doze, Van Alan	Biomedical Sciences	National Science Foundation	REU Site: Genes & the Environment	40,000.00	UND0023405
Brown-Borg, Holly	Biomedical Sciences	National Institutes of Health	Fourteenth & Fifteenth International Symposia on	40,500.00	UND0022483
Quisno, Jacqueline Elaine	Bismarck CFM	ND Department of Health	Family Planning Clinic	121,667.00	UND0025780
Doze, Van Alan	Biomedical Sciences	National Science Foundation	REU Site: Genes & the Environment	154,080.00	UND0023405
Wynne, Joshua	Dean's Office Med	Department of Veterans' Affairs	VA - RESIDENTS ROTATIONS	206,185.65	UND0004570
Basson, Marc D	Dean's Office Med	ND Department of Human Services	HBOT Concussion Study	334,999.00	UND0026219
Sens, Mary	Pathology	Centers for Disease Control	North Dakota Statewide Cancer Registry	400,000.00	UND0022937
Chen, Xuesong	Biomedical Sciences	National Institutes of Health	Tat endolysosome escape and HAND	414,584.00	UND0023117
Ward, Jody L	Rural Health	U.S. Department of Health & Human	Small Hospital Improvement Program (SHIP) NCC 2021-	462,096.00	UND0025974
Golovko, Mikhail Y	Biomedical Sciences	National Institutes of Health	Validation of adenylosuccinate as a novel endogenous	468,207.00	UND0026224
Jurivich, Donald A	Geriatrics	Health Resources & Services	Geriatrics Workforce Enhancement Program (GWEP)	750,000.00	UND0026370
Sande, Kristine Marie	Rural Health	Health Resources & Services	National Rural Health Information Clearinghouse	2,960,221.00	UND0026003
Sens, Don	Pathology	National Institutes of Health	ND INBRE Year One RPPR Year Two Funds	3,475,000.00	UND0025995
				18	9,888,382.65

**Listing of Grants/Contracts for the Month of June**

Quinn, Rebecca Cheney	Rural Health	ND Community Foundation	Brain Injury and Criminal Justice Strategic Plan	15,000.00	UND0025918
Adamsen, Collette Marie	Rural Health	National Indian Council on Aging	Tribal Long-Term Services and Support	26,000.00	UND0025041
Reiten, Julie Ann	Rural Health	Sanford Health	Project ECHO Pediatric Mental Health (Sanford)	42,618.00	UND0025816
Doze, Van Alan	Biomedical Sciences	National Science Foundation	REU Site: Genes & the Environment	60,654.00	UND0023405
Becker, Kimberly Dawn	Graduate Medical Education	ND Department of Human Services	North Dakota State Hospital - Psychiatry 2021-2023	100,000.00	UND0026357
Adamsen, Collette Marie	Rural Health	Minnesota Department of Human	Minnesota Tribal Elder Project	120,000.00	UND0026296
Schroeder, Shawnda Marie	Rural Health	Health Resources & Services	Rural Health Research Dissemination Program	195,000.00	UND0025728
Nissen, Kylie Jean	Rural Health	Health Resources & Services	State Offices of Rural Health Program (SORH) 5-year	223,410.00	UND0025881
Warne, Donald Keith	Indians into Medicine	U.S. Department of Health & Human	I.H.S. - Indians into Medicine	233,334.00	UND0025905
Schmitz, David Frederick	Family & Community Medicine	ND Department of Health	ND Quits	330,075.00	UND0026332

Lei,Saobo	Biomedical Sciences	National Institutes of Health	Cellular and molecular mechanisms of vasopressin in	347,500.00	UND0024260
Quinn,Rebecca Cheney	Rural Health	ND Department of Human Services	North Dakota Brain Injury Network (NDBIN) 21-23	474,719.00	UND0026277
Adamsen,Collette Marie	Rural Health	Margaret A. Cargill Foundation	Expanding the Native Aging in Place Project	2,100,000.00	UND0025861
				13	<u>4,268,310.00</u>
				43	<u>16,019,464.65</u>
				126	<u>38,476,967.77</u>

## UNDSMHS

## Proposals Submitted - FY 2021

P.I.	Department	Sponsor	Title	Submit Amount
<b>Proposals Processed: July</b>				
Wescott, Siobhan	INMED	HHS	AIHEC Contract	27,000
Schroeder, Shawnda	Center for Rural Health	ND Department of Health/HRSA	North Dakota Oral Health CDC 2020-2021: ND DoH	35,000
Quinn, Rebecca	Center for Rural Health	CHI St. Alexius Health/HRSA	Williston CHI RCORP Planning Grant	36,000
Schmitz, David	Family & Community Medicine	University of Washington/HRSA	The Collaborative for Rural Primary Care Research, Education, and Practice	46,954
Schroeder, Shawnda	Center for Rural Health	ND Department of Health/CDC	North Dakota Oral Health CDC 2020-2021: ND DoH	80,000
Johnson, Eric	Family & Community Medicine	ARS/HNRC	Clinical Research	137,500
DeKumar, Bony	Biomedical Sciences	NIH	Transcriptome Based Cellular 3D Map of Developing Somites	141,000
Khan, Mohammad Nadeem	Biomedical Sciences	NIH	Host Replicative Response to Influenza Lung Pathogenesis	387,750
Khan, Mohammad Nadeem	Biomedical Sciences	NIH	Utilization of the Adjuvant Effect of CRM197 Protein to Develop a Trivalent	387,750
Mathur, Ramkumar	Geriatrics	NIH	Understating the Role of Necroptosis in Aging and Gut Inflammation	387,750
Solaymani-Mohammadi, Shahram	Biomedical Sciences	NIH	The Role of IL-12/IL-12R2 in the Regulation of Inflammation in the Colon	387,750
Hur, Junguk	Biomedical Sciences	University of Michigan/NIH	Integrative Ontological and Bioinformatics Studies on Coronavirus Disease	611,344
Warne, Donald Keith	INMED	NIH/HIS	Building Indigenous Research Capacity for Health (BIRCH)	1,467,000
Takaku, Motoki	Biomedical Sciences	NIH	Mechanisms of Context-Dependent Chromatin Reprogramming by a Pioneer	1,762,500
Mishra, Bibhuti	Biomedical Sciences	NIH	Transcriptional Gate Keeping of Innate Memory Response in Pneumonia	2,722,038
Basson, Marc	Dean's Office - Medicine	NIH	Developing FAK Activators to Heal GI Mucosal Injury by NSAIDs	3,645,544
Basson, Marc	Dean's Office - Medicine	NIH	DaCCoTA Year 3/Year 2 RPPR	4,000,000
			17	16,262,880

**Proposals Processed: August**

Evenson, Ashley	MPH	Forum Communications Company (Forum C	Forum Communications Outreach	10,962
Nechaev, Sergei	Biomedical Sciences	Duke University	Mechanisms of R-loop Regulation by Xist lncRNA in Female-Specific Blo	59,344
Adamsen, Colette	Center for Rural Health	Margaret A. Cargill Foundation	Native Aging in Place Project (NAPP) Supplement 20-21	240,000
Tulin, Alexei	Biomedical Sciences	NSF	Poly (ADP-Ribose) Glycohydrolase in Development Control	987,588
Warne, Donald Keith	MPH	ND Department of Health	COVID 19 Response 2	763,000
Sharma, Jyotika	Biomedical Sciences	NIH	Neutrophil Extracellular Traps in Host Immunity	1,762,500
Wu, Min	Biomedical Sciences	NIH	Generation of CRISPR-CAS Therapeutic with Reduced Off-Target Effects	1,762,500
Mehedi, Masfique	Biomedical Sciences	NIH	Disparities in SARS-CoV-2 Induced Pathophysiology in Health, Asthmatic	1,762,500
Mehedi, Masfique	Biomedical Sciences	NIH	Demystifying Virus-Induced Cytoskeletal Inflammation	2,115,000
Combs, Colin	Biomedical Sciences	NIH	Oral Cavity and Brain Cross-Talk in Alzheimer's Disease	2,138,337
Jurivich, Donald	Geriatrics	Substance Abuse and Mental Health Service	Center of Excellence for Behavioral Health Disparities Among Older Pop	3,500,000
			11	15,101,731

**Proposals Processed: September**

Schmitz, David	Family & Community Medicine	Boise State University/HRSA	Health Professions Education in Rural Communities (HPERC) Apgar	4,670
Adamsen, Colette	Center for Rural Health	American Association of Retired Persons	AARP Urban Indian Project Incentives (Supplemental)	20,000
Basson, Marc	Dean's Office - Medicine	Sharp Hub/NIH	Developing a Novel FAK Activator to Heal the Gut Mucosa	25,000
Jensen, Mark	Surgery	Sharp Hub/NIH	Augmented Reality Surgical Training for Mastery of Open Operations	25,000
Schroeder, Shawnda	Center for Rural Health	ND Department of Health	ND State Alzheimer's Disease Plan	45,000
Adamsen, Colette	Center for Rural Health	Administration for Community Living	NRCNNA Supplemental Funding 2020-2021	61,838
Redvers, Nicole	Masters of Public Health	ND Department of Health	North Dakota Tribal Tobacco Control Program	128,169
Gray, Jacqueline	Center for Rural Health	Administration for Community Living	Native American Elder Justice Initiative Year 3	266,666
Takaku, Motoki	Biomedical Sciences	The Pew Charitable Trusts	Mechanism of Cell-Type Specific Gene Activation by Pioneer Transcription	300,000
Brown-Borg, Holly	Biomedical Sciences	Boston University/NIH	R56 Frailty: Prediction of Onset and Progression	344,018
Sande, Kristine	Center for Rural Health	Health Resources & Services Administrati	Rural Assistance Center for ORHP Cooperative Agreement	500,000
Schwartz, Gary	Population Health	Environmental Protection Agency	Promoting Radon Testing and Mitigation via the "North Dakota Quits" T	600,000
Takaku, Motoki	Biomedical Sciences	Department of Defense - Army USAMRAA	Breast Cancer Suppression by Progesterone Receptor-Induced MicroRN	634,500
Basson, Marc	Dean's Office - Medicine	NIH	Amber Lyon-Colbert - COVID-19 Seroprevalence Study of Underserved a	700,000
Tulin, Alexei	Biomedical Sciences	Department of Defense - Army USAMRAA	New PARP-1 Inhibitors: Therapeutic Modality for Renal Cell Carcinoma	719,100
Hur, Junguk	Biomedical Sciences	University of Michigan/NIH	VIOLIN 2.0: Vaccine Informatics and Ontology Linked Knowledgebase	870,977
Tulin, Alexei	Biomedical Sciences	Department of Defense - Army USAMRAA	Inhibiting PARP-1 Suppresses Prostate Cancer Tumorigenesis via Contr	1,057,500
Chen, Xuesong; Geiger, Jonathan	Biomedical Sciences	NIH	SARS-CoV-2 Endolysosome Escape	2,474,766
Yakoub, Abram	Biomedical Sciences	NIH	Understanding SARS-CoV-2 Entry and Tropism in Disease and Therapeu	2,567,612
Wu, Min	Biomedical Sciences	NIH	CRISPR-based COVID-19 Therapeutics with Spatio-Temporal Control to	2,904,350
Yakoub, Abram	Biomedical Sciences	NIH	SARS-CoV-2 Tropism in the Brain and its Relationship to COVID-19 Path	4,433,023
Wescott, Siobhan	INMED	NIH	A Systematic Approach to Reducing Racism in Research	4,935,000
Combs, Colin; Bradley, David	Biomedical Sciences	NIH	Center for Excellence in Host Pathogen Interactions	10,523,094
			23	34,140,283
			51	65,504,894

**Proposals Processed: October**

Hostetter, Jeffrey	Bismarck CFM	Lutheran Social Services	LSS - Refugee Service	1,620
Meyer, Michelle	Center for Rural Health	ND Department of Human Services	NECC Family Caregiver Online Tool	10,000
Gray, Jacqueline	Center for Rural Health	University of Southern California	National Center of Elder Abuse (NCEA) Fact Sheet Collaboration #2	10,000
Gray, Jacqueline	Center for Rural Health	American Association of Retired Persons	Tribal Elder Abuse Services Survey	65,000
Quinn, Rebecca	Center for Rural Health	ND Department of Human Services	State Epidemiological Outcomes Workgroup (SEOW) 20-21	80,000
Cooper-Robinson, Khasahna	Biomedical Sciences	NSF	Mechanism of Pioneer Factor GATA3-Induced Cell Fate Transition	138,000
Milavetz, Barry	Biomedical Sciences	NIH	Dissecting the Role of Nucleosome Location, Histone Modifications, and	141,000
Jurivich, Donald	Geriatrics	University of New Mexico/NIH	AHRQ ECHO National Nursing Home COVID-19 Action Network	240,000
Nagamoto-Combs, Kumi	Biomedical Sciences	NIH	Contribution of Brain Mast Cells to Vascular Permeability and Neuroinfla	387,750
Schwartz, Gary	Population Health	NIH	Promoting Radon Testing via Smartphones: A Clinical Trial in a High Rad	387,750
Mathur, Ramkumar	Geriatrics	NIH	Understand the Role of IL22/IL22R Axis in Regulating Aging Gut Patholog	387,750
Nookala, Suba	Biomedical Sciences	NIH	MC950 as an Adjuvant in Treatment of Group A Streptococcal Necrotizing F	387,750
Manoch, Gunjan	Geriatrics	NIH	Role of Peripheral Immune Sstem in Alzheimer's Disease Pathogenesis	387,750
Yakoub, Abram	Biomedical Sciences	NIH	Analysis of the Autism-Associated Gene CNTNAP5 in Human Brain Circu	387,750
Yakoub, Abram	Biomedical Sciences	NIH	Autophagy targeting in Zika Virus Disease Pathogenesis and Antiviral Th	387,750

Lyon-Colbert, Amber	Masters of Public Health	ND Department of Health/CDC	State of ND COVID-19 Household Seroprevalence Study 2020-2022	700,000
Combs, Colin	Biomedical Sciences	University of West Virginia/NIH	Modeling Sex Differences in Alzheimer's Disease Cognition and Pathology	1,093,634
Combs, Colin	Biomedical Sciences	NIH	Contribution of Air Particulate Matter to Lung-Brain Axis Dysfunction in	1,386,750
Tulin, Alexei	Biomedical Sciences	NIH	Poly (ADP-Ribose) Polymerase 1 in Chromatin and Transcriptional Regulation	1,762,500
Tulin, Alexei	Biomedical Sciences	NIH	High-throughput Screening Approach to Target Poly (ADP-ribosyl) Pathways	1,762,500
Solaymani-Mohammadi, Shahrana	Biomedical Sciences	NIH	Imprinting of Colon Tissue-Resident Memory (TRM) CD4+ T Cell	1,762,500

21 11,867,754

**Proposals Processed: November**

Nissen, Kylie	Center for Rural Health	Jamestown Regional Medical Center	Jamestown Community Health Needs Assessment	5,000
Johnson, Eric	Family & Community Medicine	Omnias LLC/NSF	Novel Non-Invasive Rapid, Smart Sensor for Diabetes	5,262
Nissen, Kylie	Center for Rural Health	Multi-Sponsor	Community Health Needs Assessment - West River Health Services & Li	10,000
Meyer, Michelle	Center for Rural Health	NDSU/NDHHS	Technical Assistance for ND Independent QSP's	11,012
Johnson, Eric	Family & Community Medicine	American Medical Association	AMA Blood Pressure Study	25,000
Meyer, Michelle	Center for Rural Health	NDSU/NDHHS	Technical Assistance for ND QSP's Supplement	26,429
Hostetter, Jeffrey	Bismarck CFM	DHHS	HHS CARES Funding Phase 3	34,358
Doze, Van	Biomedical Sciences	NSF	Supplement for REU Site: Genes & the Environment: Research Experi	100,000
Sahu, Bijayani	Biomedical Sciences	BrightFocus Foundation	Risk of Allergy and Asthma to the Development of Alzheimer's Disease	200,000
Kaur, Harpreet	Biomedical Sciences	BrightFocus Foundation	Understanding the Age and Sex-Dependent Effects of Probiotics in Alzhe	300,000
Foster, Jamie	Biomedical Sciences	NIH	Monoamine Transporter Palmitoylation	387,750
Schroeder, Shawnda	Center for Rural Health	HRSA	Rural Health Research Dissemination Program (Gateway) 2021-2026	725,000
Singhal, Sandeep	Pathology	Columbia University/NIH	Genetic Ancestry, Epithelial Plasticity and Breast Cancer: The Role of CE	847,694
Khan, Mohammad Nadeem	Biomedical Sciences	NIH	Inflammation and Barrier Cross-Talk I Acute Lung Injury to Influenza Inf	1,762,500
Golovko, Mikhail	Biomedical Sciences	NIH	Validation of Adenylosuccinate as a Novel Endogenous Pro-Angiogenic F	2,948,985

15 7,388,990

**Proposals Processed: December**

Quisno, Jacqueline	Bismarck CFM	NDDH/DHHS	HIV/HepC Testing 2021	5,000
Wilsnack, Sharon	Psychiatry and Behavioral Science	Public Health Institute	GENAHTO Supplement	6,000
Arnold, Julie	Center for Rural Health	Sanford Health/ND Department of Health/D	Pediatric Mental Health - Website Maintenance	8,118
Schroeder, Shawnda	Center for Rural Health	HRSA/DHHS	Rural Health Research Dissemination (Gateway) Supplement	33,750
Reiten, Julie	Center for Rural Health	Sanford/NDDH/DHHS	Project ECHO Pediatric Mental Health (Sanford)	42,618
Larson, Shawn	Center for Rural Health	Blue Cross Blue Shield	BCBS Rural Health Grant - Year 16	50,000
Adamsen, Colette	Center for Rural Health	Administration for Community Living	Tribal Long-Term Services and Support (Years 2&3)	52,000
Germundson, Danielle	Pathology	NIH	The Impact of Peripheral Mast Cell Infiltration During Allergic Sensitizat	79,236
Quisno, Jacqueline	Bismarck CFM	NDDH/DHHS	Family Planning Clinic	123,779
Combs, Colin; Roerig	Biomedical Sciences	Sanford Health/NIH	Center for Biobehavioral Mechanisms of Eating Behavior	165,251
Tulin, Alexei	Biomedical Sciences	NSF	Poly (ADPribose) Polymerase in Chromatin and Transcriptional Regulatio	987,588
Brown-Borg, Holly	Biomedical Sciences	Boston University/NIH	Factors Contributing to Frailty Onset and Progression	1,753,610
Chen, Xuesong; Geiger, Jonathan	Biomedical Sciences	NIH	17-estradiol and HAND	2,572,476
Combs, Colin	Biomedical Sciences	NIH	Lung-Brain Axis in Alzheimer's and Chronic Lung Diseases	2,870,250
Mishra, Bibhuti	Biomedical Sciences	NIH	Lung Macrophage Memory Development and Responses in Secondary P	3,012,381

15 11,762,057

51 31,018,801

**Proposals Processed: January**

Reiten, Julie	Center for Rural Health	ND Department of Health	Project ECHO Chronic Disease Series	12,954
Johnson, Eric	Family & Community Medicine	University of Southern Alabama/NSF	RII Track 2 FEC: Smart Breath-Based Wearable Device for Point-of-Care	80,000
Hur, Junguk	Biomedical Sciences	University of Michigan/NIH	Metabolic Coupling between Schwann cells and axons is functionally dis	819,987
Nissen, Kylie	Center for Rural Health	DHHS/HRSA	State Offices of Rural Health Program (SORH) 5-year Competing Continu	1,150,000
Adamsen, Colette	Center for Rural Health	Margaret A. Cargill Foundation	Expanding the Native Aging in Place Project	2,098,244
DeKumar, Bony	Biomedical Sciences	NIH	The Role of Epitranscriptomic Changes on Microglial Aging	2,366,662
Yakoub, Abram	Biomedical Sciences	NIH	Autophagocytosis: an Autophagy-Functionalizing Gene Therapy Tool for Neur	3,050,989

7 9,578,836

**Proposals Processed: February**

Quisno, Jacqueline	Bismarck CFM	ND Health/HRSA	Family Planning PHQ-2 and PHQ-9 Screening	2,250
Solberg, Brooke	Medical Laboratory Science	American Society for Clinical Pathology Four	Rural Laboratory Workforce Promotion	10,700
Jurivich, Donald	Geriatrics	NDSU/NIH	Grip Assessments for Protocol Enhancements (GRAPE) - Jurivich	10,998
Quinn, Rebecca	Center for Rural Health	Consensus Council	Brain Injury and Criminal Justice Strategic Plan	15,000
Schroeder, Shawnda	Center for Rural Health	ND Health/HRSA	Oral Health Project ECHO: Reaching Primary Care	34,700
Golovko, Mikhail	Biomedical Sciences	Marshall University/NIH	Redox Regulation of Adipose-SPMs in Aging	63,604
Takaku, Motoki	Biomedical Sciences	University of Wisconsin-Madison/NIH	Establishment of the Accessible Chromatin Landscape for Androgen Act	68,729
Milavetz, Barry	Biomedical Sciences	NIH	Analyzing the Role of Histone Modification in the Regulation of the SV40	141,000
Yakoub, Abram	Biomedical Sciences	NIH	A Novel Model of Alzheimer's Disease Using Gene-Edited Human Neuro	387,750
Mathur, Ramkumar	Geriatrics	NIH	Molecular Regulation of Motor Dependent Necroptosis in Aging Gut Pat	387,750
Ward, Jody	Center for Rural Health	DHHS	Small Hospital Improvement Program (SHIP) NCC 2021-2022	426,780
Sens, Mary Ann	Pathology	CDC	ND Statewide Cancer Registry - year 5	450,000
Singhal, Sandeep	Pathology	Columbia University/NIH	The Role of Kaiso as a Predictive Breast Cancer Biomarker in Africa and	578,100
Warne, Donald Keith	INMED	IHS	IHS - Indians into Medicine	700,000
Tulin, Alexei	Biomedical Sciences	NIH	Roly (ADP-Ribose) Glycohydroiase in Developmental Progression and Re	1,762,500
Solaymani-Mohammadi, Shahrana	Biomedical Sciences	NIH	The IL-21/IL-21R Axis Regulation of Mucosal Immunity in the Colon	1,782,769
Sens, Donald	Pathology	NIH	ND INBRE Year One RPPR Year Two Funds	3,475,000

17 10,297,630

**Proposals Processed: March**

Nissen, Kylie	Center for Rural Health	Mercy Hospital of Devils Lake	Community Health Needs Assessment - Devils Lake	6,500
Nissen, Kylie	Center for Rural Health	Multi-Sponsor	Community Health Needs Assessment 2 Hospitals	10,000
Schroeder, Shawnda	Center for Rural Health	Sanford Health	Rural Behavioral Health Program - Working Group Year 2	17,349
La Pierre, Yvette	Public Health Program	ND Department of Health/CDC	North Dakota Tribal Tobacco Control Resource Development Project	19,877
Haage, Amanda	Biomedical Sciences	Burroughs Wellcome Fund	Developing a Data-driven Individualized Development Plan for Academi	25,000
Nissen, Kylie	Center for Rural Health	Multi-Sponsor	Community Health Needs Assessment - 6 Hospitals	30,000

Adamsen, Colette	Center for Rural Health	Administration for Community Living	NRCNA Supplemental Funding 2020-2021, #2	50,000
Kusler, Stacy	Center for Rural Health	ND Department of Health/DHHS	Primary Care Office (PCO) 2021-2022	90,622
Tulin, Alexei	Biomedical Sciences	Department of Defense	Novel Targeted Therapeutics for Castration-Resistant Prostate Cancer	91,917
Kaur, Harpreet	Biomedical Sciences	Alzheimer's Association	Sex Dependent Effects of Gut Microbiota Manipulation in Alzheimer's D	120,000
Casselli, Timothy	Biomedical Sciences	NIH	Identification of Linear Plasmid Ip36-encoded Virulence Determinants in	141,000
Sahu, Bijayani	Biomedical Sciences	Alzheimer's Association	Risk of Allergy and Asthma to the Alzheimer's Disease	155,000
Warne, Donald Keith	Public Health Program	ND Department of Health/CDC	COVID 19 Response 2 Supplement	173,720
Brishti, Afrina	Biomedical Sciences	Alzheimer's Association	Potential Impact of Food Allergy on the Progression of Alzheimer's Disea	175,000
Singhal, Sandeep	Pathology	Columbia University/Department of Defense	Shining a Light on a Darc Connctions in Breast Cancer	226,160
Quinn, Rebecca	Center for Rural Health	Amachi Mentoring/HRSA	Lake Region Rural Communities Opioid Response Implementation	244,863
Yakoub, Abram	Biomedical Sciences	NIH	Identifying Essential Entry Receptors and Factors for Zika Virus Infection	387,750
Wu, Min	Biomedical Sciences	NIH	Modulating Bacterial Virulence by Adaptive Immune Systems to Influen	387,750
Warne, Donald Keith	INMED	University of Cincinnati/NIH	Great Plains Tribal Engagement for Ohio Valley Node Clinical Trials Netw	472,411
Sletten, Sarah	Biomedical Sciences	NIH	Indians into Medicine: Native Educator University Research Opportunity	517,800
Hur, Junguk	Biomedical Sciences	University of Michigan/NIH	VAXIGN 3: Next-Generatiion Mechanism-Driven Vaccine Design and its	651,487
Basson, Marc	Dean's Office - Medicine	NIH	Identifying SARS-CoV-2 Variants in Native American and Other North Da	695,000
Tulin, Alexei	Biomedical Sciences	NSF	Poly (ADP-ribose) Glycohydrolase - Dependent Chromatin Remodeling in	987,588
Mehedi, Masfique	Biomedical Sciences	NIH	Elucidating the Mechanism of RSV-Induced Cytoskeletal Inflammation in	1,762,500
Wu, Min	Biomedical Sciences	NIH	Mitophagy Pathways Attenuate Inflammatory Response in Lung Infectio	1,762,500
Sande, Kristine	Center for Rural Health	DHHS/HRSA	National Rural Health Information Clearinghouse Program (RHihub) ND	3,000,000
			26	12,201,794
			50	32,078,260

**Proposals Processed: April**

Golovko, Mikhail	Biomedical Sciences	DaCCoTA/NIH	Chemotherapy Delivery Via Engineered 'Nano-missiles' for Halting Progr	62,702
Gibbens, Brad	Center for Rural Health	DHHS/HRSA	Area Health Education Centers Program COVID	95,455
Sens, Donald	Pathology	NIH	ND INBRE Research Supplement	142,002
Combs, Colin	Biomedical Sciences	The Ohio University/NIH	Influence of Air Particulate Matter on Alzheimer Disease Development:	164,678
Combs, Colin	Biomedical Sciences	NIH	Host-Pathogen COBRE Equipment Supplement - Lecia Stellaris 5 Confoc	249,968
Sens, Donald	Pathology	NIH	ND INBRE Equipment Supplement	250,000
Yakoub, Abram	Biomedical Sciences	NIH	Autophagy Targeting in Zika Virus Disease Pathogenesis and Antiviral Th	387,750
Chen, Xuesong; Geiger, Jonathan	Biomedical Sciences	NIH	Interactions between Morphine, SARS-CoV-2, and HIV-1 at Endolysosom	387,750
Brown-Borg, Holly	Biomedical Sciences	Boston University/NIH	Cellular Mechanisms of Frailty Onset	1,745,024
Vaughan, Roxanne	Biomedical Sciences	NIH	Epigenetics of Development and Disease - RPPR Year 7 - Year 8 Request	2,026,852
Mishra, Bibhuti	Biomedical Sciences	NIH	Transcriptional Gate Keeping of Innate Memory Response in Pneumonia	3,612,465
			11	9,124,646

**Proposals Processed: May**

Evenson, Ashley	Public Health Program	ND Department of Health/CDC	COVID-19 Student Projects	8,372
Johnson, Eric	Family & Community Medicine	American Medical Association	AMA-Student Blood Pressure Module	20,000
Doze, Van	Biomedical Sciences	NSF	REU Site: Genes & the Environment: Research Experience for Undergrad	40,000
Doze, Van	Biomedical Sciences	NSF	REU Site: Genes & the Environment: Research Experience for Undergrad	74,904
Golovko, Mikhail	Biomedical Sciences	NDSU/NIH	Strategies for Inhibiting ERK-Signaling in Pancreatic Cancer	107,740
Sauter, Shannon	Bismarck CFM	ND Department of Health/HHS	Regional Children's Asthma Clinic	117,681
Yakoub, Abram	Biomedical Sciences	ND Soybean Council	Developing an Alzheimer's Disease Therapy out of Soybean	177,851
Basson, Marc	Dean's Office - Medicine	ND Department of Human Services/HHS	HBOT Concussion Study	334,999
Mishra, Bibhuti	Biomedical Sciences	University of Texas San Antonio/NIH	Glycolytic Metabolites, Calcium Entry and Sjogren's Syndrome	466,358
Quinn, Rebecca	Center for Rural Health	ND Department of Human Services	North Dakota Brain Injury Network (NDBRIN) 21-23	474,719
Schwartz, Gary	Population Health	University of North Carolina at Chapel Hill/NIH	The Epidemiology & Somatic Pathogenesis of Radon-Related Stroke	480,709
Ward, Jody	Center for Rural Health	DHHS/HRSA	Medicare Rural Hospital Flexibility Program (FLEX) NCC 2021-2022	1,065,742
Quinn, Rebecca	Center for Rural Health	ND Department of Human Services/ACL	ACL Traumatic Brain Injury State Partnership Program	1,250,000
Nagamoto-Combs, Kumi	Biomedical Sciences	NIH	The Role of Peripheral Immune Cell Activity in Food-Allergy-Induced Ne	1,897,759
Yakoub, Abram	Biomedical Sciences	NIH	Autophagy Machinery in HSV-1 Brain and Cornea Infections	2,995,101
Golovko, Mikhail	Biomedical Sciences	NIH	Validation of Adenylosuccinate as a Novel Endogenous Pro-Angiogenic F	3,498,588
			16	13,010,523

**Proposals Processed: June**

Gray, Jacqueline	Center for Rural Health	Administration for Community Living	Native Indigenous Elder Justice Initiative (NIEJI) Supplement 2021	50,000
Becker, Kimberly	Psychiatry and Behavioral Science	ND Department of Human Services/HHS	SEHSC - Psychiatry Residents 2021-2023	57,508
Williams, Andrew	Public Health Program	ND Department of Health/CDC	COVID-19 Healthy Equity Project	64,367
Sens, Mary Ann	Pathology	ND Department of Health	ND Cancer Registry State Match	98,000
Becker, Kimberly	Psychiatry and Behavioral Science	ND Department of Human Services/HHS	North Dakota State Hospital - Psychiatry 2021-2023	100,000
Schwartz, Gary	Population Health	Prevent Cancer Foundation	Promoting Radon Testing via Smartphone App: A Clinical Trial in High Ra	100,000
Adamsen, Colette	Center for Rural Health	MN Department of Human Services	Minnesota Tribal Elder Project	120,000
La Pierre, Yvette	Public Health Program	ND Department of Health/CDC	North Dakota Tribal Tobacco Control Resource Development Project S	130,123
Basson, Marc	Dean's Office - Medicine	West Virginia University/NIH	DaCCoTA Admin Supplement for Cloud Storage	157,861
Basson, Marc	Dean's Office - Medicine	Harrington Foundation	Harrington Scholar-Innovator "Small Molecule FAK Activators to Heal N	212,000
Nicola, Jessica	ND STAR	Multi-Sponsor	Sustaining SIM-ND Program	300,000
Combs, Colin	Biomedical Sciences	NIH	Communicating Intestinal Inflammation to the Brain in Alzheimer's Dise	320,383
Schmitz, David	Family & Community Medicine	ND Department of Health	ND Quits	330,075
Burd, Larry	Pediatrics	ND Department of Health	Preventing Fetal Alcohol Syndrome	350,458
Jurivich, Donald	Geriatrics	HRSA	Great Plains Mountain GWEP Consortium on Resiliency in Long Term Ca	375,000
Mathur, Ramkumar	Geriatrics	NIH	IL22R Signaling Regulating Aging Gut Epithelial Fucosylation and Medica	387,750
Schroeder, Shawnda	Center for Rural Health/Nursing	Stanford/SAMHSA	Mountain Plains Mental Health Technology Transfer Center - Suppleme	500,000
Singhal, Sandeep	Pathology	Columbia University/NIH	The Role of CtBP in Breast Cancer	578,555
Evenson, Ashley	Public Health Program	ND Department of Health/Department of Tr	COVID 19 Contact Tracing University Students	581,500
Warne, Donald Keith	INMED	American Indian Higher Education Consortiu	Building Indigenous Research Capacity for Health (BIRCH)	1,026,642
Gray, Jacqueline	Center for Rural Health	Administration for Community Living	National Indigenous Elder Justice Initiative 2021-2026	1,500,000
Khan, Mohammad Nadeem	Biomedical Sciences	NIH	The Role of Type-II Interferon in Immune-Mediated Lung Pathology Agair	1,762,500
Khan, Mohammad Nadeem	Biomedical Sciences	NIH	Pathologic Contribution of CXCR3 in Influenza Host Response Mediated	1,762,500



Takaku, Motoki	Biomedical Sciences	NIH	Function of GATA3 and its Mutations in Breast Cancer	1,776,148
Mathur, Ramkumar	Geriatrics	NIH	Mitochondrial TFAM in the Regulation of FOXP3+Tcell Mediated Immun	1,786,040
Chen, Xuesong; Geiger, Jonathan	Biomedical Sciences	NIH	Role of Endolysosomes and Estrogen in SARS-CoV-2 S1 Protein-Induced	2,991,289
Basson, Marc	Dean's Office - Medicine	NIH	DaCCoTA Year 4 Request, Year 3 RPPR	4,000,000
Yakoub, Abram	Biomedical Sciences	NIH	Aging-Dependent Effects of SARS-CoV-2 on the Brain, and its Interactio	4,381,876
				28
				<u>26,036,575</u>
				55
				<u>48,171,744</u>
				207
				<u>176,773,699</u>