

Summary Tables

**NATIONAL SCIENCE FOUNDATION
NETWORKING AND INFORMATION TECHNOLOGY R&D SUMMARY
FY 2021 BUDGET REQUEST TO CONGRESS**

(Dollars in Millions)

	BIO	CISE	ENG	GEO	MPS	SBE	RRA	EHR	Total
Total, FY 2019 Actual	\$77.00	\$980.32	\$129.45	\$20.00	\$173.71	\$26.56	\$1,407.04	\$9.90	\$1,416.94
Artificial Intelligence	15.00	135.92	59.23	-	23.52	1.29	234.96	-	234.96
Computing-Enabled Human Interaction,	-	68.53	16.11	-	-	9.99	94.63	-	94.63
Computing-Enabled Networked Physical Systems	1.00	64.36	11.73	-	-	-	77.09	-	77.09
Cyber Security & Privacy	-	99.85	2.17	-	1.70	6.54	110.26	-	110.26
Education and Workforce	6.00	61.23	4.27	-	0.11	-	71.61	9.90	81.51
Enabling-R&D for High-Capability Computing System	-	102.82	1.90	-	74.05	-	178.77	-	178.77
High Capability Computing Infrastructure & Applications	2.50	111.41	9.77	20.00	52.49	-	196.17	-	196.17
Intelligent Robotics and Autonomous Systems	-	30.72	15.17	-	-	-	45.89	-	45.89
Large-Scale Data Management and Analysis	38.00	120.01	7.49	-	21.85	6.90	194.24	-	194.24
Large Scale Networking	-	130.65	0.66	-	-	-	131.31	-	131.31
Software Productivity, Sustainability and Quality	14.50	54.82	0.95	-	-	1.84	72.11	-	72.11
Delta from FY 2019 Actual to FY 2021 Request	\$13.00	\$82.08	\$12.92	-\$1.00	\$39.68	\$5.11	\$151.79	-\$0.40	\$151.39
Artificial Intelligence	1.42	107.36	15.10	-	57.35	8.92	190.15	-	190.15
Computing-Enabled Human Interaction,	-	-0.13	-0.53	-	-	-1.60	-2.26	-	-2.26
Computing-Enabled Networked Physical Systems	-0.06	6.60	-0.74	-	-	-	5.80	-	5.80
Cyber Security & Privacy	-	-0.45	-0.08	-	-0.75	-2.74	-4.02	-	-4.02
Education and Workforce	-0.36	-19.53	-0.08	-	-0.11	-	-20.08	-0.40	-20.48
Enabling-R&D for High-Capability Computing System	-	-8.22	-0.04	-	-7.55	-	-15.81	-	-15.81
High Capability Computing Infrastructure & Applications	-0.15	-8.92	-0.18	-1.00	-15.56	-	-25.81	-	-25.81
Intelligent Robotics and Autonomous Systems	-	11.96	-0.27	-	-	-	11.69	-	11.69
Large-Scale Data Management and Analysis	13.02	16.96	-0.23	-	-10.71	0.56	19.61	-	19.61
Large Scale Networking	-	-17.30	-0.01	-	17.00	-	-0.31	-	-0.31
Software Productivity, Sustainability and Quality	-0.87	-6.25	-0.02	-	-	-0.03	-7.17	-	-7.17
Total, FY 2021 Request	\$90.00	\$1,062.40	\$142.37	\$19.00	\$213.39	\$31.67	\$1,558.83	\$9.50	\$1,568.33
Artificial Intelligence	16.42	243.28	74.33	-	80.87	10.21	425.11	-	425.11
Computing-Enabled Human Interaction,	-	68.40	15.58	-	-	8.39	92.37	-	92.37
Computing-Enabled Networked Physical Systems	0.94	70.96	10.99	-	-	-	82.89	-	82.89
Cyber Security & Privacy	-	99.40	2.09	-	0.95	3.80	106.24	-	106.24
Education and Workforce	5.64	41.70	4.19	-	-	-	51.53	9.50	61.03
Enabling-R&D for High-Capability Computing System	-	94.60	1.86	-	66.50	-	162.96	-	162.96
High Capability Computing Infrastructure & Applications	2.35	102.49	9.59	19.00	36.93	-	170.36	-	170.36
Intelligent Robotics and Autonomous Systems	-	42.68	14.90	-	-	-	57.58	-	57.58
Large-Scale Data Management and Analysis	51.02	136.97	7.26	-	11.14	7.46	213.85	-	213.85
Large Scale Networking	-	113.35	0.65	-	17.00	-	131.00	-	131.00
Software Productivity, Sustainability and Quality	13.63	48.57	0.93	-	-	1.81	64.94	-	64.94