

Summary of Research Activities by Disease Categories

Estimates of Funding for Various Diseases, Conditions, and Research Areas

The table below provides insight into NIH research funding on the topics addressed in this chapter. The table is adapted from the most recent¹¹² version of NIH's Estimates of Funding for Various Diseases, Conditions, and Research Areas (<http://www.nih.gov/news/fundingresearchareas.htm>). That publicly available source table displays information that NIH routinely collects on agency-wide funding in areas of special interest. For each area in which NIH collects data on agency-wide funding, the table below indicates whether some of the funding pertains to the topics in this chapter.

Important Notes:

- The FY 2006 and FY 2007 funding levels are based on actual grants, contracts, intramural research, and other mechanisms of support.
- The figures provided are not allocated or set aside for these areas. Rather, the funding level results from myriad individual decisions.
- Funding included in one area may also be included in other areas; for example, Clinical Research includes Clinical Trials, and Fragile X Syndrome, Genetics, and Intellectual Disability each overlap to some extent, as do Topical Microbicides, HIV/AIDS, and Prevention. Because of this overlap, adding the funding of various areas will yield a false sum.
- For most of the areas listed, only a portion of the funding pertains to the indicated topic. For example, only a portion of NIH funding on Agent Orange and Dioxin pertains to Neuroscience and Disorders of the Nervous System, but because a fraction does, that area is checked.

Research/Disease Area	Dollars in Millions		Topics						
	FY 2006 Actual	FY 2007 Actual	Cancer	Neuroscience and Disorders of the Nervous System	Infectious Diseases and Biodefense	Autoimmune Diseases	Chronic Diseases and Organ Systems ¹¹³	Life Stages, Human Development, and Rehabilitation	Minority Health and Health Disparities

¹¹² February 22, 2007

¹¹³ Chronic diseases and organ systems pertain to almost every area listed in the table. Instead of checking most areas, only the areas addressed in this chapter's section on chronic disease are checked.

Acute Respiratory Distress Syndrome	\$74	\$48			X				
Agent Orange & Dioxin	17	18		X					
Aging	2,431	2,462	X	X	X		X	X	X
Alcoholism	511	521	X	X	X		X	X	X
Allergic Rhinitis (Hay Fever)	4	5				X			
ALS	44	39		X					
Alzheimer's Disease	643	645		X				X	
American Indians/Alaska Natives	155	141	X	X	X				X
Anorexia	15	12		X			X	X	
Anthrax	150	105			X				
Antimicrobial Resistance	221	269			X				
Aphasia	15	14		X					
Arctic	17	19			X	X			
Arthritis	355	339		X	X	X	X	X	X
Assistive Technology	182	184		X				X	
Asthma	283	294				X	X		X
Ataxia Telangiectasia	9	11		X					
Atherosclerosis	337	347		X	X		X		
Attention Deficit Disorder (ADD)	116	107		X				X	
Autism	108	127		X				X	
Autoimmune Disease	598	587		X		X			X

Basic Behavioral and Social Science	1,062	1,104	X	X	X	X	X	X	X
Batten Disease	8	8		X					
Behavioral and Social Science	3,001	3,060	X	X	X	X	X	X	X
Biodefense	1,766	1,735		X	X				
Bioengineering	1,546	1,469	X	X	X	X	X	X	
Biotechnology	9,974	9,814	X	X	X	X	X	X	X
Brain Cancer	178	193	X	X					
Brain Disorders	4,732	4,670		X	X	X			
Breast Cancer	718	707	X					X	X
Cancer	5,575	5,643	X	X	X	X		X	X
Cardiovascular	2,349	2,370	X	X			X	X	X
Cerebral Palsy	18	16		X				X	
Cervical Cancer	97	96	X						X
Charcot-Marie-Tooth Disease	7	7		X					
Child Abuse and Neglect Research	38	38		X				X	
Childhood Leukemia	53	55	X					X	
Chronic Fatigue Syndrome	5	4		X		X	X		
Chronic Liver Disease and Cirrhosis	408	379	X		X		X		
Chronic Obstructive Pulmonary Disease	67	91					X		
Climate Change	50	47	X		X				

Clinical Research	8,785	9,116	X	X	X	X	X	X	X
Clinical Trials	2,767	2,949	X	X	X	X	X	X	X
Colorectal Cancer	269	282	X						X
Complementary and Alternative Medicine	301	299	X	X	X		X		X
Conditions Affecting Unborn Children	103	110		X	X			X	
Contraception/Reproduction	335	314						X	
Cooley's Anemia	42	34					X		
Cost-Effectiveness Research	143	155	X	X	X				X
Crohn's Disease	64	69				X	X		
Cystic Fibrosis	85	82			X	X	X		
Dental/Oral and Craniofacial Disease	413	417	X	X	X		X	X	X
Depression	335	345		X			X	X	
Diabetes	1,038	1,037		X		X	X	X	X
Diagnostic Radiology	712	694	X	X					
Diethylstilbestrol	8	6	X						
Digestive Diseases	1,252	1,234	X	X	X	X	X		
Digestive Diseases (Gallbladder)	7	6					X		
Digestive Diseases (Peptic Ulcer)	17	23			X	X	X		X
Down Syndrome	14	16		X				X	
Drug Abuse (NIDA only)	990	1,001	X	X	X		X	X	X

Duchenne/Becker Muscular Dystrophy	18	23		X					
Dystonia	19	16		X					
Emerging Infectious Diseases	1,857	1,816	X		X				
Emphysema	17	21	X				X		
Endometriosis	12	12	X				X	X	
Epilepsy	103	105		X					
Estrogen	153	164	X	X				X	
Eye Disease and Disorders of Vision	705	714		X			X		
Facioscapulohumeral Muscular Dystrophy	2	4		X					
Fetal Alcohol Syndrome	29	34		X				X	X
Fibroid Tumors (Uterine)	15	14	X				X	X	
Fibromyalgia	9	9		X			X		
Food Safety	316	278			X				
Fragile X Syndrome	20	27	X	X				X	
Frontotemporal Dementia	33	31		X				X	
Gene Therapy	356	325	X	X	X	X	X		
Gene Therapy Clinical Trials	32	31	X	X	X	X	X		
Genetic Testing	417	395	X				X	X	
Genetics	4,878	4,878	X	X	X	X	X	X	X
Global Warming Climate Change	58	56			X				

Health Disparities	2,766	2,744	X	X	X	X	X	X	X
Health Effects of Climate Change	157	164	X		X				
Health Services	929	1,023	X	X	X	X	X	X	X
Heart Disease	2,087	2,126					X	X	X
Heart Disease: Coronary Heart Disease	398	382					X	X	X
Hematology	1,114	1,128	X		X	X	X		
Hepatitis	177	174	X		X		X		
Hepatitis A	3	2			X				
Hepatitis B	36	42	X		X		X		X
Hepatitis C	122	108	X		X		X		
HIV/AIDS ¹¹⁴	2,902	2,906	X	X	X			X	X
Hodgkin's Disease	21	17	X						
HPV and/or Cervical Cancer Vaccines	14	20	X		X			X	
Human Fetal Tissue	23	19	X	X	X	X			
Human Genome	1,065	1,099	X	X			X		
Huntington's Disease	48	53		X					
Hyperbaric Oxygen	2	2		X					
Hypertension	395	390		X			X	X	X
Immunization	1,438	1,342	X	X	X			X	X

¹¹⁴ Includes research on HIV/AIDS, its associated opportunistic infections, malignancies, and clinical manifestations as well as basic science that also benefits a wide spectrum of non-AIDS disease research.

Infant Mortality/Low Birth Weight	478	464		X	X			X	X
Infectious Diseases	3,132	3,059	X	X	X				X
Infertility	40	51						X	
Inflammatory Bowel Disease	72	80	X			X	X		
Influenza	207	271			X				
Injury (total) Accidents/Adverse Effects	355	403		X				X	X
Injury: Childhood Injuries	28	27						X	
Injury: Trauma (Head and Spine)	233	219		X				X	
Injury: Traumatic Brain Injury	85	82		X				X	
Injury: Unintentional Childhood Injury	25	21		X				X	
Interstitial Cystitis	25	23					X		
Kidney Disease	434	450	X	X	X		X		X
Lead Poisoning	15	15		X				X	
Liver Cancer	88	90	X						X
Liver Disease	450	423			X		X		
Lung	978	1,013	X				X		
Lung Cancer	266	249	X						
Lupus	97	84		X		X			
Lyme Disease	24	22		X	X				
Lymphoma	170	158	X	X	X	X			

Macular Degeneration	60	70		X			X	X	
Malaria	98	104			X				
Malaria Vaccine	35	36			X				
Mental Health	1,824	1,853		X			X	X	X
Intellectual Disability	188	204		X				X	
Methamphetamine	45	45		X			X		X
Mind and Body	136	133	X	X					
Minority Health	2,423	2,407	X	X	X	X	X	X	X
Mucopolysaccharidoses	10	10	X	X			X	X	
Multiple Sclerosis	110	98		X		X			
Muscular Dystrophy	40	47		X					
Myasthenia Gravis	9	6		X		X			
Myotonic Dystrophy	7	8		X					
Nanotechnology	192	215	X	X	X				
Networking Information Technology R&D	423	507	X				X		
Neurodegenerative	1,217	1,166		X					
Neurofibromatosis	16	13	X	X					
Neuropathy	54	59	X	X			X		
Neurosciences	4,830	4,809	X	X	X	X	X	X	X
Nutrition	1,039	1,075	X	X	X		X	X	X
Obesity	594	661	X	X			X	X	X
Organ Transplantation	363	358	X			X	X		

Orphan Drug	1,255	1,158	X	X	X	X			
Osteogenesis Imperfecta	5	5					X		
Osteoporosis	169	164					X	X	
Otitis Media	17	15			X		X		
Ovarian Cancer	102	103	X						
Paget's Disease	6	4					X		
Pain Conditions, Chronic	220	224	X	X			X		
Parkinson's Disease	208	187		X					
Pediatric	3,161	3,173	X	X	X	X	X	X	X
Pediatric AIDS	276	262	X	X	X			X	
Pediatric Research Initiative	141	171		X	X			X	
Pelvic Inflammatory Disease	4	3	X		X			X	
Perinatal: Birth, Preterm (Low Birth Weight)	374	351		X	X			X	
Perinatal: Neonatal Respiratory Distress Syndrome	8	9						X	
Perinatal Period, Conditions Originating in Perinatal Period	407	387		X				X	
Pick's Disease	1	1		X				X	
Pneumonia	145	132			X				
Pneumonia and Influenza	351	405			X				
Polycystic Kidney Disease	32	36	X				X		
Prevention	6,815	6,729	X	X	X	X	X	X	X

Prostate Cancer	348	345	X						X
Psoriasis	8	10				X	X		
Regenerative Medicine	614	575	X	X	X	X	X	X	
Rehabilitation	324	344	X	X				X	
Rett's Syndrome	5	6		X				X	
Reye's Syndrome	1	1						X	
Rural Health	202	208	X	X	X				X
Schizophrenia	364	358		X				X	
Scleroderma	11	12				X	X		
Septicemia	49	49			X				
Sexually Transmitted Diseases/Herpes	264	288	X	X	X		X	X	X
Sickle Cell Disease	91	94		X			X		
Sleep Disorders	199	190		X					
Smallpox	149	122			X				
Smoking and Health	517	534	X	X			X	X	X
Spina Bifida	11	9		X				X	
Spinal Cord Injury	66	64		X				X	
Spinal Muscular Atrophy	15	11		X					
Stem Cell Research	643	657	X	X	X	X	X	X	
Stem Cell Research: Human Embryonic	38	42		X	X	X	X	X	
Stem Cell Research: Non-Human Embryonic	110	106	X	X	X	X	X	X	

Stem Cell Research: Human Non-Embryonic	206	203	X	X	X	X	X	X	
Stem Cell Research: Non-Human Non-Embryonic	289	306	X	X	X	X	X	X	
Stem Cell Research Involving Umbilical Cord Blood / Placenta	19	22	X	X	X	X	X	X	
Stem Cell Research Involving Umbilical Cord Blood/Placenta: Human	16	19	X	X	X	X	X	X	
Stem Cell Research Involving Umbilical Cord Blood/Placenta: Non-Human	4	2	X	X	X	X	X	X	
Stroke	342	340		X				X	X
Substance Abuse	1,490	1,523	X	X	X		X	X	X
Sudden Infant Death Syndrome	77	81		X				X	X
Suicide	32	43		X				X	
Teenage Pregnancy	21	16						X	
Temporomandibular Muscle/Joint Disorder	17	15		X			X		
Tobacco	515	536	X	X			X	X	
Topical Microbicides	88	99			X			X	
Tourette Syndrome	13	11		X					
Transmissible Spongiform Encephalopathy	35	43		X	X				
Transplantation	551	534	X	X		X	X		
Tuberculosis	150	166			X				
Tuberculosis Vaccine	22	17			X				

Tuberous Sclerosis	9	12		X			X		
Urologic Diseases	536	526	X		X		X		
Uterine Cancer	28	22	X						
Vaccine Related	1,449	1,358	X	X	X			X	
Vaccine Related (AIDS)	593	597	X		X				
Vector-Borne Diseases	464	424			X				
Violence Research	113	106							X
West Nile Virus	85	69			X				
Women's Health	3,498	3,470	X	X	X	X	X	X	X