



Recommendations for Research on the Health of Military Women: Bibliographies

Committee on Defense Women's Health Research
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Recommendations for Research on the Health of Military Women: Bibliographies

Committee on Defense Women's Health Research
INSTITUTE OF MEDICINE

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The report to which this volume is an addendum, *Recommendations for Research on the Health of Military Women*, has been reviewed by a group other than the authors according to procedures approved by a Report Review Committee consisting of members of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine. The current volume of bibliographies was not subject to report review.

The Institute of Medicine was chartered in 1970 by the National Academy of Sciences to enlist distinguished members of the appropriate professions in the examination of policy matters pertaining to the health of the public. In this, the Institute acts under both the Academy's 1863 congressional charter responsibility to be an adviser to the federal government and its own initiative in identifying issues of medical care, research, and education. Dr. Kenneth I. Shine is president of the Institute of Medicine.

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The serpent has been a symbol of long life, healing, and knowledge among almost all cultures and religions since the beginning of recorded history. The image adopted as a logotype by the Institute of Medicine is based on a relief carving from ancient Greece, now held by the Staatlichemuseum in Berlin.

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Preface

This set of bibliographies was prepared to accompany the report *Recommendations for Research on the Health of Military Women* (Institute of Medicine, 1995).¹ That report is based on a study conducted by the Committee on Defense Women's Health Research of the Institute of Medicine on behalf of the U.S. Army Medical Research and Materiel Command (the Command), which manages the Defense Women's Health Research Program (DWHRP).

DWHRP was established in FY 1994 to support research aimed at addressing the health-related needs of military women. Congress provided \$40 million to the Department of Defense (DoD) in both FY 1994 and FY 1995, with the promise of additional funding in subsequent years, for intramural and extramural research relevant to the goals of the DWHRP. Those goals relate to mission readiness, deployment, and training.

The Command asked the Institute of Medicine for guidance on the use of appropriations for DWHRP. Particular attention was to be directed toward such topics as psychological stressors, physiological stressors, nutritional status, occupational safety issues, design of equipment and clothing, and special health care needs—all as related to servicewomen in training or deployment situations.

The Institute of Medicine appointed a 19-member committee (1) to identify gaps and strengths in past and current research relating to the health and performance of military women, and (2) to provide guidance on establishing research funding priorities. With guidance from the committee, the study staff conducted an extensive search of relevant studies from the published literature and from government reports of currently funded research. The committee reviewed the extensive bibliographies with available abstracts and used a deliberative process and collective expert opinion to develop its recommendations.

The broad scope of the searching resulted in retrieval of more than 5,700 citations of published works and 2,600 citations for current research. Citations that were obviously not relevant to the study were deleted by project staff. At the conclusion of the study, the database covering published works contained more than 2,100 references to relevant research on women's health, and the database covering current research contained more than 1,100 references. This volume lists those references.

[Chapter 1](#) outlines the search terms and online databases used to locate relevant articles and studies. [Chapter 2](#) is divided into two parts. [Part A](#) includes references to published literature from the civilian databases, and [Part B](#) includes references obtained through the Defense Technical Information Center's Defense Research, Development, Testing, and Evaluation Online System (DROLS). [Chapter 3](#) is also divided into two parts. [Part A](#) provides a listing of relevant research in progress, excluding that funded by the Defense Women's Health

¹For ordering information about the report itself and about the published and electronic versions of this book of bibliographies, see the verso title page of this book.

Research Program. **Part B** covers the intramural research funded with FY 1994 appropriations by the Defense Women's Health Research Program.²

For both published and current research, citations were generally omitted if they covered health care problems that make servicewomen ineligible for deployment. Examples include chronic obstructive pulmonary disease, myocardial infarction, human immunodeficiency virus (HIV) infection, and diabetes mellitus. Many studies that dealt with the *prevention* of chronic diseases were included because of their relevance to the long-term health of military women.

It is hoped that potential investigators, current investigators, and Armed Forces practitioners will benefit from these bibliographies. Because of the large number of databases searched, these listings include studies that might be missed by routine searching and that might provide leads for other searches. The topical bibliographic listings provide a convenient starting point for a targeted, critical review of the literature. The topical listings of current research can stimulate communication among investigators with related interests. Review of the combination of published works and work in progress can suggest further aspects of research that have been ignored or require more attention. The electronic version of *Recommendations for Research on the Health of Military Women: Bibliographies* provides great flexibility in use of the references.

REFERENCE

Institute of Medicine. *Recommendations for Research on the Health of Military Women*. Washington, DC: National Academy Press; 1995. (To order an electronic or published copy, see the verso title page.)

²Information about extramural research awards was not public when *Recommendations for Research on the Health of Military Women: Bibliographies* went to press.

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Search Strategies

The following pages contain the search strategies used to retrieve citations related to the health of military women. Searches were conducted from March through May 1995. Search terms were truncated or proximity searched to maximize retrieval. When available, database hierarchical structures were utilized (e.g., MeSH tree structures) to retrieve subordinate terms. Databases were searched for publication years 1985–1995 unless otherwise noted.

The searches are organized by general subject area and bibliographic database. These pages also contain the numbers of citations retrieved (for most of the searches) using the specified search terms or combination of terms. Where the number of citations is missing, the search was so broad that the numbers would not be meaningful.

Search Number	Terms	Number of Citations
Medline—Psychological Stress		
s1	stress, psychological	13,166
s2	stress disorders, post-traumatic	1,928
s3	psychophysiological disorders	4,204
s4	s1 or s2 or s3	18,609
s5	limit to female and human	8,064
s6	s5 not (aged or child or infant or adolescence)	4,132
s7	military personnel or police or emergency medical technicians or war or combat (non-MeSH) or women, working	10,900
s8	s6 and s7	160
s9	s4 and (sex characteristics or sex factors) not (aged or adolescence or child) and human	272
s10	s8 or s9	424
NTIS—Psychological Stress		
s1	stress, psychology	2,003
s2	psychophysiology and disorder	65
s3	post traumatic stress disorder	5
s4	s1 or s2 or s3 and (woman or female or combat or military personnel)	82

Search Number	Terms	Number of Citations
Medline, PsycInfo, Social SciSearch, Sociological Abstracts—Psychological Issues		
s1	depression or suicide	56,481
s2	substance abuse or alcohol or drug abuse or tobacco or eating disorders	47,965
s3	separation or isolation or combat or single parent or family issues	24,126
s4	violence or rape or sexual assault or sexual harassment or child abuse	23,761
s5	social support or cohesion or community resource or unit support	21,686
s6	job stress or training stress or readiness or retention	15,757
s7	job satisfaction or job readiness or deployment or cohesion	29,617
s8	military and (women or female)	808
s9	(s1 through s7) and s8	158
ERIC—Psychosocial Issues		
s1	military personnel or military training or military organizations	3,340
s2	family violence or traumatic stress	465
s3	depression or suicide or substance abuse or drug abuse	9,773
s4	retention or deployment	9,083
s5	separation or single parent	3,467
s6	s2 or s3 or s4 or s5	22,507
s7	s1 and s6	53
PsychInfo—Psychologic and Physiologic Stress		
s1	temperature effects or hypothermia or food deprivation or hunger or thirst or fatigue or water deprivation or dehydration or radiation or thresholds or vasoconstriction or altitude effects or acceleration or occupational stress or environmental stress or physiological stress	23,579
s2	psychological stress or post-traumatic stress disorder or psychophysiological stress	6,290
s3	physical fitness or physical strength or physical endurance or exercise or motor processes or activity level or motor coordination or motor skills or physical agility or physical dexterity or running or muscle tone or perceptual motor processes	29,592
s4	sexual harassment or sexual abuse or gynecological disorders or urinary function disorders or dysmenorrhea or menstrual disorders or dermatitis	33,683
s5	s1 through s4 and human sex differences and language=English and adult not (aging or elderly not child)	118

Search Number	Terms	Number of Citations
Medline—Occupational Exposure		
s1	occupational exposure	5,411
s2	occupational health	4,760
s3	hazardous substances	786
s4	occupational diseases	25,579
s5	combined above terms	33,500
s6	s5 and military personnel	137
s7	s5 and sex characteristics	27
s8	s6 or s7	164
Medline, Embase, NTIS—Organ Toxicity		
s1	neurotox	32,865
s2	reprotox	9,282
s3	immunotox	4,203
s4	hepatotox or nephrotox	23,927
s5	respiratory tox	34,029
s6	cardiovascular tox	31,194
s7	dermatotox	8,141
s8	s1 through s7 combined	129,606
s9	s8 not animal	74,056
s10	s9 and female	4,126
s11	s9 and gender differences or sex characteristics or sex factors	57
s12	s9 and military personnel	19
s13	s11 or s12	76
Medline, Embase, NTIS, Toxline—Pollutants		
s1	organophosphates/adverse effects or oil fumes/adverse effects	268
s2	pollutants or air pollution/adverse effects	4,795
s3	s1 or s2	5,046
s4	s3 and military personnel	16
s5	s3 and gender differences or sex characteristics or sex factors not (aged or child or adolescent or elderly) not (editorial or letter or news or case report)	49
s6	s4 or s5	64
Medline, Embase, NTIS—Infectious Agents and Biologicals		
s1	viruses	69,124
s2	bacteria	102,360
s3	protozoa or fungi	94,807
s4	infectious agents or biologicals	2,652
s5	s1 through s4 combined	250,024
s6	s5 and military personnel	325
s7	s6 not (news or letter or editorial or case report) not (child or adolescent or elderly or aged)	259
s8	s7 and female	3

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Search Number	Terms	Number of Citations
Occupational Safety and Health—Occupational Exposure		
s1	occupational exposure or environmental exposure or pesticides	20,619
s2	s1 or insecticides or pollutants or thermoregulation	23,193
s3	s2 or dermatologic or radiation exposure or electromagnetic fields or hyperbaric	38,408
s4	s3 or hearing impairment or noise or toxic or toxin or hypoxia	43,069
s5	s4 and sex factors and human or workers	85
SpaceLine—Occupational Exposure, Physiological Stressors		
s1	(ionizing radiation or electromagnetic fields or acceleration or anti-G suits or G forces or hypoxia or anoxia or altitude or pressure or hyperbaria) and (physiological responses or health) and human	N/A ¹
Medline, Embase, NTIS, Toxline—Radiation or Biomechanics or Hyperbaric		
s1	biomechanics	21,783
s2	hyperbaric	5,318
s3	electromagnetic fields/adverse effects	473
s4	radiation injuries or radiation/adverse effects	11,705
s5	pesticides/adverse effects or insecticides/adverse effects	3,314
s6	s1 through s5 combined	48,981
s7	s6 and female or woman or women	11,955
s8	s7 limited to human	9,352
s9	s8 and (gender differences or sex characteristics or sex factors or military personnel)	224
s10	s9 not (child or elderly or aged or adolescent) not (news or letter or editorial or case report)	92
Medline, Embase, NTIS—Sunlight, UV, Dark Adaptation		
s1	dark adaptation or dark and health	3,309
s2	ultraviolet light and (adverse effects or health or disease)	544
s3	sunlight or lack of sun	5,564
s4	laser and (adverse effects or health or disease) not (therapy or surgery)	13,281
s5	luminescence and (adverse effects or health or disease)	1,338
s6	s1 or s2 or s3 or s4 or s5	23,863
s7	s6 not (cancer or neoplasm or vitamin D or animal)	17,077
s8	s7 and military personnel	65
s9	s8 and female	0
s10	s6 and (performance or stress)	969
s11	s10 and female	136
s12	s8 or s11 not (elderly or adolescent or child or children or infant or editorial or news or case report or letter)	98

¹N/A=Not Available

Search Number	Terms	Number of Citations
Medline—Clothing and Equipment Design		
s1	protective devices	6,540
s2	clothing	3,966
s3	protective clothing	2,014
s4	equipment design	14,278
s5	s1 through s4 and military personnel	141
Medline, Embase, NTIS—Equipment Design		
s1	equipment design	16,036
s2	s1 and military personnel	39
s3	s1 and gender	24
s4	backpack design and gender	9
s5	s2 or s3 or s4 not (elderly or adolescent or child or aging or children or infant or editorial or news or letter or case report)	53
Textile Technology Digest (1991–1995)—Protective Clothing		
s1	protective clothing	2,374
s2	performance	5,339
s3	thermal properties	2,080
s4	physiological effects	957
s5	s1 through s4 and military uses or gender or female not elderly or child or adolescent	116
Medline, Embase, NTIS—Anthropometry or Weight-Bearing		
s1	anthropometry	19,505
s2	weight bearing or load bearing and capacity	207
s3	s1 or s2 and (sex characteristics or sex factors or gender differences or military personnel) not (news or letter or editorial or case report) not (child or elderly or aged or adolescent) and female or woman or women	60

Search Number	Terms	Number of Citations
Medline—Adverse Effects of Pharmaceuticals		
s1	biological products	66,794
s2	anthelmintics	11,652
s3	antidiarrheals	52,620
s4	anti-inflammatory agents	79,261
s5	antidotes	5,015
s6	antibiotics	110,477
s7	contraceptive agents	18,551
s8	anesthetics	39,473
s9	bronchodilator agents	36,548
s10	antihypertensive agents	52,376
s11	motion sickness/drug therapy	490
s12	s1 through s11 and adverse effects	54,052
s13	s12 and military personnel	49
s14	s12 and sex characteristics	37
s15	s13 or s14	85
Medline, Embase, NTIS—Adverse Effects of Pharmaceuticals		
s1	contraceptives or analgesics or antihistamines	83,452
s2	estrogen replacement therapy or hormone replacement therapy	3,794
s3	altitude sickness and drug therapy	267
s4	vaccines or vaccination	62,578
s5	diet and drug therapy	9,614
s6	s1 through s5 combined and efficacy or efficacious	33,488
s7	pharmacokinetics	218,235
s8	pharmacodynamics	5,951
s9	drug metabolism	43,018
s10	s7 or s8 or s9 and (gender differences or sex characteristics)	308
s11	s6 or s10	33,793
s12	s11 and female	9,358
s13	s12 not (child or adolescent or elderly or infant) not (letter or news or editorial or case report)	5,543
s14	s13 and (stress or exercise or smoking or alcohol or ethanol or military personnel)	170
Medline—Musculoskeletal Injuries and Prevention		
s1	athletic injuries/prevention	698
s2	fractures/prevention	1,165
s3	stress fractures/prevention	12
s4	sprains and strains/prevention	161
s5	musculoskeletal system/injuries/prevention	685
s6	s1 through s5 combined and [military personnel or sex characteristics or sex factors (limit to not aged, aging, infant, child, adolescence)] and human	26
s7	s1 or s2 or s3 or s4 or s5 and military personnel	250
s8	s6 or s7	256

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Search Number	Terms	Number of Citations
Medline—Strength and Fitness		
s1	physical fitness	3,089
s2	muscle contraction	26,385
s3	muscles/physiology	123,534
s4	exercise/physiology	3,972
s5	psychomotor performance	11,355
s6	bone density	4,190
s7	arm/physiology	677
s8	pectoralis muscles	546
s9	upper body strength	29
s10	combine all of the above terms	152,436
s11	combine with sex characteristics or sex factors limit to human not (aged, aging, infant, child, adolescence, amputation)	335
NTIS—Strength		
s1	performance, human or muscle contraction	11,354
s2	s1 or muscle or physiology	12,198
s3	s2 or exercise or physiology	13,472
s4	s3 or psychomotor or bone density	13,918
s5	s4 or physical fitness	14,567
s6	s5 and sex	16
Sport Database—Stressors or Physical Fitness or Health		
s1	stress fractures	416
s2	upper body strength or muscle strength	60
s3	cold or body temperature regulation or aerobic capacity or fatigue or exertion or hunger or thirst or sleep deprivation or stressors	8,747
s4	s3 and sex factor and comparative study	72
s5	nutrition assessment or nutrition status or eating disorders or caloric intake	499
s6	clothing and (sex factor or gender)	13
s7	body fat and (performance or risk factors)	165
s8	(s1 or s2 or s5 or s6 or s7) and (military personnel or sex factor)	177
s9	s8 or s3 not (elderly or child or adolescence) and language=English	106

Search Number	Terms	Number of Citations
Medline, Embase, NTIS—Physical Fitness		
s1	resistance training or weight training or weight lifting	2,081
s2	contraceptives, oral or contraception	23,541
s3	s2 and (aerobic or strength)	106
s4	estrogen replacement therapy	2,653
s5	s4 and (aerobic or strength)	25
s6	postpartum and (fitness or strength or exercise or in shape)	141
s7	s1 or s3 or s5 or s6	2,343
s8	s7 and female	865
s9	s8 not (elderly or adolescent or child or aging) not (letter or case report or news or editorial) not animal	380
s10	s9 and (athlete or athletes or military personnel)	47
Medline—Nutrition		
s1	nutrition assessment	2,579
s2	nutritional status	4,014
s3	nutritional requirements	3,500
s4	caloric intake	6,741
s5	eating disorders	5,598
s6	s1 through s5 and (military personnel or female athletes or sex characteristics or sex factors) not (aged or aging or infant or child or adolescence) limit to human	274
Medline, Embase, NTIS—Nutrition		
s1	vitamins or antioxidants	101,503
s2	substrate utilization or glucose utilization or free fatty acids	11,914
s3	nutritional supplements	729
s4	calcium or iron	223,950
s5	s1 or s2 or s3 or s4	323,172
s6	s5 not animal	173,229
s7	s6 and (athlete or military personnel)	459
s8	s7 and female	193
s9	s8 not (elderly or adolescent or child) not (letter or case report or editorial or news)	112
Agricola—Nutrition		
s1	nutrition assessment or nutritional requirements	670
s2	nutritional assessment or eating disorders	1,381
s3	caloric intake or nutrient intake	4,579
s4	nutritional status	656
s5	s1 or s2 or s3 or s4 and (military personnel or athlete or sex differences) not (animal or child or elderly or adolescent)	46

Search Number	Terms	Number of Citations
Medline—Operational Stressors		
s1	heat/adverse effects	1,231
s2	cold/adverse effects	844
s3	hypothermia	3,481
s4	humidity	1,564
s5	food deprivation	1,694
s6	hunger	606
s7	water deprivation	668
s8	thirst	496
s9	fatigue	2,859
s10	body temperature regulation	6,708
s11	sleep deprivation	960
s12	noise, occupational	681
s13	hearing loss, noise-induced	1,119
s14	radiation, ionizing	849
s15	sensory thresholds	9,533
s16	water electrolyte imbalance	896
s17	vasoconstriction	6,846
s18	altitude	2,223
s19	work capacity evaluation	1,506
s20	heat exhaustion	477
s21	exertion	24,663
s22	acceleration	849
s23	stress (not psychological)	7,977
s24	combines all of the above searches	64,349
s25	s24 and sex characteristics or sex factors limited to human, not (aged or child or adolescence or infant)	510
NTIS—Physiological Stress		
s1	heat or heat exhaustion or cold or hypothermia or exertion	96,297
s2	s1 or humidity or food deprivation or hunger or water deprivation	102,756
s3	s2 or noise or hearing loss or acceleration or threshold	153,133
s4	s3 or vasoconstriction or stress or radiation or altitude	290,401
s5	s4 or thirst or fatigue or sleep deprivation or body temperature	115,722
s6	s5 and women or females and sex	42
Medline, Embase, NTIS—Circadian Rhythm and Jet Lag		
s1	circadian rhythm or jet lag	24,730
s2	s1 not animal not sleep deprivation	14,550
s3	s2 and female	6,664
s4	s3 and (military personnel or athlete) not (elderly or child or adolescent or fetal) not (letter or case report or editorial or news)	110

Search Number	Terms	Number of Citations
Medline, Embase, NTIS—Physiology		
s1	reaction time or motor skills	24,428
s2	female triad or athlete triad	19
s3	immune function or renal function or kidney function	41,387
s4	gastrointestinal absorption	1,515
s5	s1 or s2 or s3 or s4	67,304
s6	s5 and (athlete or military personnel)	227
s7	s6 and female	71
s8	s7 not animal not (elderly or child or adolescent) not (editorial or news or case report or letter)	44
Medline—Body Fat Assessment and Body Fat Risk Factors		
s1	body weight	32,128
s2	adipose tissue	11,927
s3	body mass index	3,367
s4	skinfold thickness	1,439
s5	obesity	12,598
s6	s1 through s5 combined	54,132
s7	s6 and military personnel	79
s8	s6 and risk factors	2,574
s9	s8 and female not (surgery or aged or aging or infant or child or adolescence) and exercise or exertion or work or performance	101
s10	s7 or s9	178
NTIS—Body Fat		
s1	body composition or body constitution or waist hip ratio	44
s2	body mass or skinfold thickness or body weight or adipose tissue	1,692
s3	risk factors	146
s4	s1 or s2 or s3 and sex	29
Medline, Embase, NTIS—Body Fat Assessment		
s1	body composition	25,676
s2	body fat or fat distribution	7,186
s3	densitometry	8,799
s4	body weight standards	79
s5	s1 or s2 or s3 or s4	38,697
s6	s5 not (adipose or body weight)	30,501
s7	obesity and drugs/adverse effects	459
s8	s6 or s7	30,951
s9	s8 not animal	21,415
s10	s9 and female	5,626
s11	s10 not (elderly or adolescent or child or infant) and athlete or military personnel	157
s12	s11 not (case report or news or letter or editorial)	133

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Search Number	Terms	Number of Citations
Medline, Embase, NTIS—Military Women and Athletes and Reproductive Health		
s1	menstrual cycle or menstruation	18,877
s2	menstruation disorders	4,616
s3	contraceptive agents, female or contraceptive devices, female or birth control	10,976
s4	fetus or fetal	95,430
s5	postpartum or puerperium	11,865
s6	lactation or breast feeding	28,319
s7	lactation disorders	1,143
s8	infertility, female	4,850
s9	s1 through s8 combined	177,283
s10	s9 and military women (not news or letters or editorials)	25
s11	s9 and female athletes (not news or letters or editorials)	255
Medline—Pregnancy and Infants		
s1	pregnancy complications	62,969
s2	pregnancy	135,335
s3	infant, newborn	101,254
s4	infant, newborn, diseases	26,659
s5	fertility and female	3,376
s6	combined above terms and military personnel	87
s7	combined s1 or s2 or s5 and female athletes	17
s8	combined s6 or s7	104
NTIS—Pregnancy		
s1	pregnancy or fertility or postpartum or infant	7,778
s2	s1 and military personnel	37
Medline, Embase, NTIS—Urogenital Diseases		
s1	sexually transmitted diseases	53,994
s2	vaginitis	3,659
s3	urinary tract infections	7,946
s4	cystitis or urinary incontinence	8,261
s5	urogenital diseases	76,978
s6	s1 through s5 combined	164,115
s7	s6 and military women (not news articles or letters or case reports or editorials)	88

Search Number	Terms	Number of Citations
Medline, Embase, NTIS—Military Women and Other Body Systems		
s1	blood pressure or cardiovascular diseases	442,917
s2	cholesterol or headache	97,789
s3	breast diseases or mammograms	43,060
s4	lung diseases or respiratory diseases	143,786
s5	immune complex diseases	3,474
s6	dermatitis	27,464
s7	hearing disorders or hearing loss or deafness or inner ear or auditory loss	26,032
s8	vision disorders or blindness	14,939
s9	neuromuscular diseases	13,818
s10	s1 through s9 combined	765,884
s11	s10 and military women not (news article or letter or editorial or case report) not (child or elderly or adolescent)	67
Medline, Embase, NTIS—Military Women and Other Body Systems		
s1	musculoskeletal diseases	156,248
s2	digestive system diseases	255,803
s3	otorhinolaryngologic diseases	50,092
s4	eye diseases	80,459
s5	skin diseases not dermatitis	90,706
s6	s1 through s5 and military women not (news article or letter or editorial or case report) not (child or elderly or adolescent)	73
Medline, Embase, NTIS—Other Health Conditions		
s1	bladder prolapse or pelvic prolapse	68
s2	proctientia or cystocele or rectocele	467
s3	personal hygiene	822
s4	s1 or s2 or s3 or s4 and (female and human)	652
s5	s4 and military personnel	0
Medline, Embase, NTIS—Rheumatology and Arthritis		
s1	rheumatology or arthritis or bursitis	86,400
s2	s1 and military personnel	47
s3	s1 and female athletes	55
s4	s1 and gender differences or sex characteristics or sex factors	600
s5	s2 or s3 not (animal or elderly or adolescent or child or children or infant or news or letter or case report or editorial)	43

Search Number	Terms	Number of Citations
Medline, Embase, NTIS—Military Women and Health Care Services		
s1	telemedicine	130
s2	health status	18,721
s3	delivery of health care	93,298
s4	health care services	10,403
s5	s1 through s4 combined	122,729
s6	s5 and military women not (news or letter) not (child or elderly or adolescent)	15
ERIC—Military Personnel and Health or Health Care Services		
s1	military personnel or military training or military organizations	3,340
s2	health needs or pregnancy or health services	4,919
s3	gynecology or medical services or health conditions	4,197
s4	s2 or s3	8,348
s5	s1 and s4	35
Health Services/Technology Assessment Research (HStar)		
s1	military not in Medline	819
s2	s1 and (women or training or health or health care or telemedicine or reserves or nutrition or readiness or performance or discharge or mission or supplies field or barrier or access)	364
Dissertation Abstracts—Military Women		
s1	military personnel or soldiers	967
s2	female or woman or women	58,227
s3	s1 and s2	132
s4	s3 not (historical or World War I or World War II)	65
NTIS—Women and Military		
s1	combat or military personnel	11,057
s2	s1 and women or females	139
Defense Technical Information Center Databases—Work Unit and Technical Report		
s1	(pesticides or aromatic hydrocarbons or organophosphates or fumes or pollutants or pollution or toxemia or neurotoxins or toxins or antitoxins) and (females or women)	N/A
s2	(stress fractures or bone fractures or protective clothing or protective equipment or anthropometry or ionizing radiation or electromagnetic radiation or altitude or hypoxia or hyperbaric conditions or low pressure or altitude sickness or noise or deafness or infectious diseases or biomechanics or clothing or bearing capacity) and women	

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Defense Technical Information Center Databases—Work Unit and Technical Report

- s3 (estrous cycle or birth control or contraception or vaginitis or cystitis or urinary tract infection or incontinence or venereal diseases or gonorrhea or chlamydia or pregnancy or lactation or breast feeding or postpartum or immune disorders or cardiovascular diseases or respiratory diseases or skin diseases or gastrointestinal diseases or otorhinolaryngology or eating disorder or bulimia or anorexia or health care or health problem or health status or infectious disease or communicable diseases or mammary glands or orthopedic condition or injury or infertility or fertility or health service) and women
- s4 (physiology or nutrients or nutrient requirements or nutrition status or nutritional status or athlete or operational stressors or tolerance or aerobic fitness or anaerobic fitness or pharmaceutical or biologicals or pollutants or toxicant or prescription drug or amenorrhea or stress fracture or diet or vitamins or antioxidants or calcium or iron or substrate utilization resistance training or physical fitness or strength or body weight or lipids or adipose tissue or endurance or reproduction or strength weight ratio or circadian rhythms or sleep deprivation or food deprivation or jet lag or exertion or hunger or thirst or water deprivation or thresholds or hormone replacement or analgesics or pharmacokinetics or pharmacodynamics or contraception or antihistamines or antiinflammatory agents or antidotes or stress or female athletic triad or reaction time) and women
- s5 (depression or suicide or substance abuse or drug abuse or phobia or chemical warfare or biological warfare or protective clothing or posttraumatic stress disorder or PTSD or traumatic shock or stress or family or parent or isolation or rape or sexual assault or domestic violence or sexual harassment or child abuse or job stress or occupational readiness or personnel retention or training stress or job satisfaction or unit cohesion or sexual behavior) and women

Federal Research in Progress

s1	women or females	7,377
s2	s1 not (elderly or aging or child or adolescent)	5,433
s3	s2 not animal	4,806
s4	depression or suicide	2,457
s5	s3 and s4	180
s6	traumatic stress or combat stress or PTSD	409
s7	s6 and s3	46
s8	substance abuse or drug abuse	1,886
s9	s8 and s3	178
s10	phobia and chemical or biological warfare	0
s11	family separation or role conflict or isolation or single parent	3,286
s12	s11 and s3	96

s13	rape or sexual assault or domestic violence or sexual harassment or child abuse	172
s14	s13 and s3	24
s15	job stress or training stress	18
s16	s15 and s3	0
s17	job satisfaction or sexual behavior or social support	1,058
s18	s17 and s3	143
s19	s5 or s7 or s9 or s12 or s14 or s18	546
s20	menstruation or menstrual or birth control or contraception	631
s21	s20 and s3	297
s22	vaginitis or cystitis or urinary tract infection	204
s23	s22 and s3	24
s24	incontinence or bladder prolapse	165
s25	s24 and s3	12
s26	sexually transmitted diseases or STD or gonorrhea or syphilis or chlamydia	83
s27	s26 and s3	98
s28	pregnancy or pregnant or breast feeding or postpartum or lactation	2,482
s29	s28 and s3	506
s30	personal hygiene and s3	1
s31	immune or cardiovascular or breast or pulmonary or respiratory not (cancer or neoplasm) not treatment	8,258
s32	s31 and s3	316
s33	cutaneous or neurosensory or gastrointestinal or otolaryngologic not treatment	1,781
s34	s33 and s3	42
s35	eating disorder or anorexia or bulimia	214
s36	s36 and s3	54
s37	health care services or health care delivery or access and health	1,036
s38	s35 and s3	116
s39	communicable diseases or infectious diseases or malaria or HIV or AIDS or hepatitis not treatment	5,203
s40	s37 and s3	233
s41	pelvic prolapse or procidentia or cystocele or rectocele or orthopedic or ophthalmologic	151
s42	s39 and s3	5
s43	s21 or s23 or s25 or s27 or s29 or s30 or s32 or s34 or s36 or s38 or s40 or s42	1,336
s44	stress fracture or musculoskeletal injuries	13
s45	s40 and s3	0
s46	protective clothing or protective equipment	48
s47	s42 and s3	0
s48	occupational injury or occupational exposure	177
s49	s44 and s3	17

s50	fracture and s3	64
s51	anthropometry	201
s52	s47 and s3	20
s53	pesticides or insecticides or aromatic hydrocarbons or organophosphates or oil fumes	2,337
s54	s49 and (health or disease)	549
s55	s50 and s3	22
s56	pollutants and (health or disease)	152
s57	s52 and s3	5
s58	reproductive toxicity or nephrotoxicity or hepatotoxicity or immunotoxicity or respiratory toxicity or cardiovascular toxicity or dermatotoxicity	302
s59	s54 and s3	19
s60	radiation and (health or disease)	1,612
s61	s56 and s3	97
s62	hyperbaric or hypobaric or altitude or hypoxia or diving and (health or disease)	574
s63	s58 and s3	11
s64	hearing impairment or noise and health	54
s65	s60 and s3	0
s66	virus or bacteria or protozoa or fungus or fungi or infectious agent or biologicals	12,413
s67	s62 and (health or disease)	6,031
s68	s63 and s3	165
s69	biomechanics and s3	13
s70	fatigue and (sleep or muscle)	157
s71	s66 and s3	11
s72	s44 or s46 or s48 or s49 or s51 or s54 or s56 or s58 or s60 or s62 or s64 or s67 or s68 or s70	417
s73	nutrition or nutritional or caloric intake or vitamin or antioxidant	6,274
s74	s69 and (performance or activity or stress or exercise)	2,567
s75	s70 and s3	168
s76	(calcium or iron) and (nutrient or nutrition)	685
s77	substrate utilization	57
s78	(s72 or s73) and s3	58
s79	resistance training or weight training or postpartum fitness or muscle strength or physical strength	274
s80	s75 and s3	14
s81	body composition or body fat or densitometry or weight standards or adipose	1,245
s82	s77 and s3	130
s83	obesity and (assessment or performance)	77
s84	s79 and s3	11
s85	circadian rhythm or sleep deprivation or jet lag or exertion or hunger or food deprivation	711
s86	s81 and s3	67

s87	thirst or water deprivation or sensory thresholds	107
s88	s83 and s3	5
s89	hormone replacement therapy or analgesics or pharmacokinetics or drug metabolism	2,819
s90	s85 and s3	136
s91	antidiarrheals or antibiotics or anthelmintics	1,949
s92	s87 and s3	68
s93	anti-inflammatory agents or antidotes	214
s94	s89 and s3	8
s95	estrogen replacement therapy	65
s96	s91 and s3	36
s97	female triad or athletic triad or athlete triad	0
s98	pharmaceuticals not (cancer or neoplasm) and s3	27
s99	heat or cold or noise or acceleration or toxicants or pollutants	10,434
s100	s98 and (stress or exercise or performance) and s3	21
s101	osteoporosis and (stress or exercise or performance) and s3	10
s102	s74 or s77 or s79 or s81 or s83 or s85 or s87 or s89 or s91 or s93 or s95 or s97 or s99 or s100	641
s103	s19 or s43 or s71 or s101	2,232
CRIS/USDA—Nutrition Research in Progress		
s1	women or woman or female or females	2,093
s2	s1 limited to the human nutrition subfile	558
s3	s1 not (elderly or aged or adolescent or child or children or infant)	244

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2

Publications

This chapter lists the published scientific literature located through the online database searching described in [Chapter 1](#) of this book and in *Recommendations for Research on the Health of Military Women*. This chapter is divided into two parts. [Part A](#) lists the citations retrieved in searches of Medline, EMBASE, PsycInfo, Agricola, NTIS, ERIC, Dissertation Abstracts, Occupational Safety and Health, Sociological Abstracts, SpaceLine, HStar, Social SciSearch, Sport, Textile Technology Digest, and Toxline. [Part B](#) lists the citations retrieved in searches of the Technical Reports database of the Defense Technical Information Center (DTIC). Since many of the Technical Reports citations are also found in the NTIS database, duplicates are listed only once, in [Part B](#). Animal studies were retrieved only for studies in the Technical Reports database on military-related toxins. For foreign language articles, the language is given in brackets at the end of the citation. The indexing terms listed on the following page were used to assist the committee and the reader in organizing the large volume of literature. The initial page number(s) for each category in [Part A](#) and [Part B](#) of this chapter appear after each term. Some citations have been placed in more than one category.

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PART A CITATIONS FROM CIVILIAN DATABASES

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- Buchholz B, Armstrong T, Goldstein S. Anthropometric data for describing the kinematics of the human hand. *Ergonomics* 1992;35(3):261-73.
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3

Research in Progress

This chapter lists information on federally funded research currently in progress. It is divided into two parts. Part 1 lists the information retrieved by searching several online databases (Federal Research in Progress, CRIS/USDA, and the DTIC Work Unit) and through information received from federal agencies, including the Agency for Health Care Policy and Research, Centers for Disease Control and Prevention (CDC), Environmental Protection Agency, and the Maternal Child Health Bureau. The year of the award is included if it was available. Part B lists the intramural projects funded by the Defense Women's Health Research Program for FY 1994. Dollar amounts are reported for all studies for which they were available. These citations have been categorized as in chapter 2 with the terms on the following page. The initial page number(s) for each category in Part A and Part B of this chapter appear after each term. Some studies have been placed in more than one category.

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PART A CURRENT RESEARCH

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- Ramirez-Ronda CH (Department of Veterans Affairs, Medical Center, San Juan, PR). Safety and efficacy of two doses of FK-037 in skin infections. Department of Veterans Affairs, Research and Development.
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DATABASE

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- Barber WD (Colorado State University, Fort Collins, CO). 1994. Regulation of proximal gastrointestinal tract. National Institute of Neurological Disorders and Stroke. \$173,261.
- Cannon D (Department of Veterans Affairs, Medical Center, Dallas, TX). Impulsivity and 5-HT-LA receptor function in bulimia nervosa. Department of Veterans Affairs, Research and Development.
- Eckert ED (University of Minnesota Twin Cities, Minneapolis, MN). 1994. Nociception of bulimia nervosa. National Institute of Mental Health. \$197,149.
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- Etgen AM (Yeshiva University, New York, NY). 1994. Steroid hormones—brain and behavior. National Institute of Mental Health. \$227,310.

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- Kahn SE (University of Washington, Seattle, WA). 1994. NIDDM primary prevention trial (DPT-2). National Institute of Diabetes and Digestive and Kidney Diseases. \$197,988.
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- Mauldin T (University of Georgia, Athens, GA). Causes and consequences of divorce: differences by gender and age. U.S. Department of Agriculture, Cooperative State Research Service.
- National Center for Health Statistics, Beltsville, MD. Improving the quality of reporting of abortions by women of child-bearing age. Centers for Disease Control and Prevention.

- Tucker MB (University of California, Los Angeles, CA). 1994. Mate availability, family formation and well-being. National Institute of Mental Health. \$493,522.
- Williams JK (University of Iowa, Iowa City, IA). 1994. Genetic knowledge—psychosocial impact. National Institute of Nursing Research. \$109,421.

GASTROINTESTINAL CONDITIONS

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- Blackburn GL (New England Deaconess Hospital, Boston, MA). 1992. Mucosal proliferation and fish oil in colorectal cancer. National Cancer Institute.
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- Gammon MD (Columbia University School of Public Health, New York, NY). 1992. Adenocarcinomas of the esophagus and gastric cardia. National Cancer Institute.
- Greene JM (Department of Veterans Affairs, Medical Center, Brockton, MA). Multicenter study of GR122311X vs. ranitidine and GR88502X for prophylaxis of NSAID associated ulcers in patients with arthritis. Department of Veterans Affairs, Research and Development.
- Hsieh C (Harvard University, Boston, MA). 1992. Case-control study of cancer of extrahepatic bile duct. National Cancer Institute.
- Layden TJ (Department of Veterans Affairs, Medical Center, Chicago, IL). Effect of ranitidine bismuth on gastric ulcer healing. Department of Veterans Affairs, Research and Development.
- Lyons J (Walter Reed Army Medical Center, Washington, DC). 1992. Large bowel adenomatous polyp dietary intervention study. National Cancer Institute.
- Moore JG (Department of Veterans Affairs, Medical Center, Salt Lake City, UT). Circadian rhythms in stomach defensive mechanisms. Department of Veterans Affairs, Research and Development.
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HEALTH SERVICES

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- Bailey WC (Department of Veterans Affairs, Medical Center, Birmingham, AL). Chronic obstructive pulmonary disease (COPD) prevention trial. Department of Veterans Affairs, Research and Development.
- Baker SA (University of Washington, Seattle, WA). 1994. Safer sex groups for women. National Institute of Mental Health. \$617,489.
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- Cohen JD (St. Louis University, St. Louis, MO). 1994. Trials of hypertension prevention. National Heart, Lung and Blood Institute. \$349,673.
- Connors GJ (Research Institute on Addictions, Buffalo, NY). 1994. Enhancing involvement in outpatient alcoholism treatment. National Institute on Alcohol Abuse and Alcoholism. \$224,876.
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- Martin M Jr (Evanston, IL). 1993. Using interactive media in health practices. Department of Health and Human Services. \$50,000.
- Massachusetts University Medical School. 1994. Effects of meditation-based stress reduction in younger women with breast cancer. \$800,000.
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- Oberman A (University, of Alabama, Birmingham, AL). 1994. Trials of Hypertension Prevention (TOHP)—phase II. National Heart, Lung and Blood Institute. \$301,299.

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- Shear MK (University of Pittsburgh, Pittsburgh, PA). 1994. Treatment effectiveness studies in women. National Institute of Mental Health. \$400,001.
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HIV/AIDS

- Ahluwalia IB (University of North Carolina, Chapel Hill, NC). Psychosocial predictors of pregnancy, women at HIV risk. Agency for Health Care Policy and Research. \$20,260.
- Allen SA (University of California, San Francisco, CA). 1994. Heterosexual transmission and the natural history of HIV. National Institute of Allergy and Infectious Diseases. \$604,190.
- Anastos K (Bronx-Lebanon Hospital Center, New York, NY). 1994. New York City collaborative working group on HIV infection in women. National Institute of Allergy and Infectious Diseases.
- Atrash H (National Center for Chronic Disease Prevention and Health Promotion, Atlanta, GA). Prevention of HIV infection in women and infants and reduction of morbidity and mortality among infected women. Centers for Disease Control and Prevention.
- Blower SM (University of California, Berkeley, CA). 1994. Diffusion of HIV epidemics. National Institute on Drug Abuse. \$94,309.
- Burton DR (Scripps Research Institute, San Diego, CA). 1994. Antibodies to HIV-1 by repertoire cloning. National Institute of Allergy and Infectious Diseases. \$489,728.
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- Carney PA (University of Washington, Seattle, WA). HIV prevention in primary care: an objective assessment. Agency for Health Care Policy and Research. \$21,600.
- Catania JA (University of California, San Francisco, CA). 1994. Sex and AIDS methodology survey—minority expansion. National Institute of Mental Health. \$341,252.
- Chiappelli F (Department of Veterans Affairs, Medical Center, Los Angeles, CA). Cellular immunotoxicity of cocaethylene. Department of Veterans Affairs, Research and Development.
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- Dancy BL (University of Illinois, Chicago, IL). 1994. Tailoring AIDS prevention programs to be relevant. National Institute of Mental Health. \$76,066.
- Desmond DP (University of Texas Health Science Center, San Antonio, TX). 1994. Center for behavioral studies in AIDS and substance abuse. National Institute on Drug Abuse. \$448,866.
- Diiorio CK (Emory University, Atlanta, GA). 1994. AIDS risk reduction practices among college students. National Institute of Nursing Research. \$439,570.
- Dukes CS (Department of Veterans Affairs, Medical Center, Durham, NC). HIV infection of mononuclear phagocytes: a study of effector functions. Department of Veterans Affairs, Research and Development.
- Eldridge JH (University of Alabama, Birmingham, AL). 1994. Antigen delivery system for HIV and SIV vaccines. National Institute of Allergy and Infectious Diseases.
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- Friedman HM (University of Pennsylvania, Philadelphia, PA). 1994. AIDS clinical trial. National Institute of Allergy and Infectious Diseases. \$1,404,312.
- Friedman SR (National Development & Research Institutes, New York, NY). 1994. Social factors and HIV risk. National Institute on Drug Abuse. \$187,923.
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- Greenblatt RM (University of California, San Francisco, CA). 1994. Bay Area women's HIV study. National Institute of Allergy and Infectious Diseases. \$2,103,267.
- Greenblatt RM (University of California, San Francisco, CA). 1994. Women's interagency HIV study organization, management and communications. National Institute of Allergy and Infectious Diseases.
- Jackson S (University of Alabama, Birmingham, AL). 1994. Mucosal and serum IGA systems in AIDS. National Institute of Allergy and Infectious Diseases. \$196,893.
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- Kalichman SC (Medical College of Wisconsin, Milwaukee, WI). 1994. Videotape based HIV prevention intervention. National Institute of Mental Health. \$306,412.
- Kauth MR (Department of Veterans Affairs, Medical Center, New Orleans, LA). Social support and quality of life among HIV seronegative men and women. Department of Veterans Affairs, Research and Development.
- Kelly JA (Medical College of Wisconsin, Milwaukee, WI). 1994. AIDS/HIV prevention for vulnerable urban population. National Institute of Mental Health. \$819,723.
- Kosten TR (Yale University, New Haven, CT). 1994. Reducing AIDS risks. National Institute on Drug Abuse. \$1,187,086.
- Lehner T (University of London, London, England). 1994. Rectal immunization against HIV infection. National Institute of Allergy and Infectious Diseases. \$91,638.
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- Lockwood D (University of Delaware, Newark, DE). 1994. Efficacy of female condoms for women at high HIV risk. National Institute on Drug Abuse. \$195,914.
- Magana JR (University of California, Irvine, CA). 1994. AIDS education to empower IDU partners. National Institute of Mental Health. \$670,949.
- Marthas ML (University of California, Davis, CA). 1994. Vaccination against infection with cell-associated HIV. National Institute of Allergy and Infectious Diseases. \$275,059.
- Marx PA (University of Alabama, Birmingham, AL). 1994. Mucosal and systemic immunity to SIV and HIV antigens. National Institute of Allergy and Infectious Diseases.
- Miles J (National Center for Prevention Services, Atlanta, GA). Minority and other community-based organization (CBO) HIV prevention projects. Centers for Disease Control and Prevention.
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- Minkoff HL (Health Science Center, New York, NY). 1994. Women's AIDS study. National Institute of Allergy and Infectious Diseases. \$1,462,774.
- Montgomery, DH (Florida State University, Tallahassee, FL). 1994. HIV prevention among culturally diverse at-risk women. National Institute of Child Health and Human Development. \$430,282.
- Neutra MR (Children's Hospital, Boston, MA). 1994. Mucosal immune response to HIV GP120 vaccines. National Institute of Allergy and Infectious Diseases. \$254,329.
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- Schneiderman N (University of Miami, Miami, FL). 1994. HIV-1, ethnicity, gender and acute stress reactivity. National Institute of Mental Health.
- St. Lawrence JS (Jackson State University, Jackson, MS). 1994. Evaluation of AIDS prevention models for minority women. National Institute of Child Health and Human Development. \$363,453.
- Stevens CE (New York Blood Center, New York, NY). 1994. Evaluating a candidate population for HIV vaccine trials. National Institute of Allergy and Infectious Diseases. \$935,857.
- Wawer MJ (Columbia University, New York, NY). 1994. HIV prevention study. National Institute of Child Health and Human Development. \$398,173.
- Webne SL (Department of Veterans Affairs, Medical Center, Lexington, KY). HIV prevention among female sexual partners of males undergoing substance abuse treatment: a test of intervention efficacy. Department of Veterans Affairs, Research and Development.
- Wyatt GE (University of California, Los Angeles, CA). 1994. AIDS related decision making. National Institute of Mental Health. \$212,102.

HORMONE REPLACEMENT THERAPY

- Barrett-Connor E (University of California, San Diego, CA). 1994. Postmenopausal estrogen progestin intervention. National Center for Research Resources.
- Bowers C (Tulane University, New Orleans, LA). 1994. Clinical and hormonal effects of growth hormone releasing peptide. National Center for Research Resources.
- Bush TL (Johns Hopkins University, Baltimore, MD). 1994. Postmenopausal estrogen-progestin intervention (PEPI). National Heart, Lung and Blood Institute. \$10,078.
- Cannon RO (National Heart, Lung and Blood Institute, Bethesda, MD). 1994. Effect of 17 beta-estradiol on coronary vascular hemodynamics in postmenopause. National Heart, Lung and Blood Institute.
- Cannon RO (National Heart, Lung and Blood Institute, Bethesda, MD). 1994. Estradiol and oxidizability of low density lipoprotein in postmenopausal women. National Heart, Lung and Blood Institute.
- Cefalu W (Wake Forest University, Winston-Salem, NC). 1994. Comparison trial of effects of estrogen and hormone replacement therapy. National Center for Research Resources.
- Eggena P (Department of Veterans Affairs, Medical Center, Sepulveda, CA). Postmenopausal Estrogen/Progestin Interventions. Department of Veterans Affairs, Research and Development.
- Howard JL (University of California Los Angeles, Los Angeles, CA). 1994. Postmenopausal Estrogen/Progestin Interventions Trial. National Center for Research Resources.
- Jayo MJ (Wake Forest University, Winston-Salem, NC). 1994. Thiazide effects on bone and arteries. National Institute of Arthritis and Musculoskeletal and Skin Diseases. \$346,063.
- Judd HL (University of California, Los Angeles, CA). 1994. Postmenopausal Estrogen-Progestin Intervention. National Heart, Lung and Blood Institute. \$21,955.
- Leboff MS (Brigham and Women's Hospital, Boston, MA). 1994. Effects of postmenopausal estrogen/provera hormone replacement. National Center for Research Resources.
- Miller VT (George Washington University, Washington, DC). 1992. Postmenopausal Estrogen/Progestin Intervention Trial. National Heart, Lung and Blood Institute.
- Newman WP (Department of Veterans Affairs, Medical Center). Evaluation of symptoms caused by various climacteric hormonal replacement protocols versus no therapy. Department of Veterans Affairs, Research and Development.
- Nuwaysar ES (Biotek, Inc., Woburn, MA). 1994. Estrogen-progestin patch for estrogen replacement. National Institute of Child Health and Human Development. \$257,910.
- Pauerstein CJ (University of Texas Health Sciences Center, San Antonio, TX). 1992. Postmenopausal Estrogen/Progestin Interventions. National Heart, Lung and Blood Institute.
- Petitti DB (Kaiser Foundation Research Institute, Oakland, CA). 1994. Stroke and MI in users of estrogen/progestogen. National Heart, Lung and Blood Institute. \$350,903.
- Riggs BL (Mayo Foundation, Rochester, MN). 1994. Relationship of the renal leak in postmenopausal women to parathyroid hormone. National Center for Research Resources.
- Rothert ML (Michigan State University, East Lansing, MI). 1994. Women's judgments of estrogen replacement therapy. National Institute of Nursing Research. \$76,210.
- Schrott HG (University of Iowa, Iowa City, IA). 1992. Postmenopausal Estrogen/Progestin Interventions. National Heart, Lung and Blood Institute.
- Subbiah MT (University of Cincinnati, Cincinnati, OH). 1994. Antioxidant potential of estrogens in menopause. National Heart, Lung and Blood Institute. \$153,770.
- Wells HB (Wake Forest University, Winston-Salem, NC). 1994. Postmenopausal Estrogen-Progestin Intervention (PEPI)—coordinating center. National Heart, Lung and Blood Institute. \$1,077,202.
- Williams JK (Wake Forest University, Winston-Salem, NC). 1994. Tamoxifen and coronary heart disease. National Heart, Lung and Blood Institute. \$350,063.
- Wood PD (Stanford University, Stanford, CA). 1992. Stanford postmenopausal hormone replacement study. National Heart, Lung and Blood Institute.

JOB SATISFACTION

- Glass JL (University of Notre Dame, Iowa City, IA). 91. Work conditions, pregnancy, and employment continuity. National Science Foundation. \$120,000.

JOB STRESS

- Marmot MG (University of London, London, England). 1994. Social and occupational influences on health and illness. National Heart, Lung and Blood Institute. \$114,958.
- Williams RB (Duke University, Durham, NC). 1994. Biobehavioral correlates of hostility in a high stress work environment. National Heart, Lung and Blood Institute.

MEDICAL TECHNOLOGY

- Andre MP (Department of Veterans Affairs, Medical Center, San Diego, CA). High resolution digital whole-breast mammography. Department of Veterans Affairs, Research and Development.
- Bolt, Beranek and Newman, Inc. (Cambridge, MA). 1994. Increasing the accuracy of mammogram interpretation. Army Medical Research and Materiel Command, Ft. Detrick, MD. \$790,000.
- Campbell JL (Department of Veterans Affairs, Medical Center, Kansas City, MO). Detection of biochemical markers of alcohol abuse. Department of Veterans Affairs, Research and Development.
- Cole LA (Yale University, New Haven, CT). 1994. Urinary HCGB subunit/core fragment in gynecologic cancer. National Cancer Institute. \$248,150.
- Drexel University. 1994. Development of methods for improved breast imaging ultrasound. Army Medical Research and Materiel Command, Ft. Detrick, MD. \$200,000.
- Erb JL (Innovation Associates, Inc., Ann Arbor, MI). 1994. Fertile period identification with a TIRF biosensor. National Institute of Child Health and Human Development. \$287,070.
- Erb JL (Innovation Associates, Inc., Ann Arbor, MI). 1994. Fiber optic sensor for reproductive hormones. National Institute on Aging. \$78,232.
- Evans MI (Wayne State University, Detroit, MI). 1994. Prenatal diagnosis using fetal cells from maternal blood—clinical trial. National Institute of Child Health and Human Development. \$196,066.
- Hampar B (Bio-Molecular Technology, Inc., Frederick, MD). 1993. Detection of an active HSV infection during pregnancy. Department of Health and Human Services. \$50,000.
- Jackson LG (Thomas Jefferson University, Philadelphia, PA). 1994. Prenatal diagnosis using fetal cells from maternal blood—clinical trial. National Institute of Child Health and Human Development. \$179,249.
- Panza JA (National Heart, Lung and Blood Institute, Bethesda, MD). 1994. Dobutamine echocardiography for detection of coronary disease in women. National Heart, Lung and Blood Institute.
- Savage HCJ (Apollo Light Systems, Inc., South Orem, UT). 1993. Reproductive medicine phototherapy. Department of Health and Human Services. \$49,825.
- Siddiqi TA (University of Cincinnati, Cincinnati, OH). 1994. Ultrasound dosimetry in human OB/GYN examination. National Institute of Child Health and Human Development. \$151,647.

MENSTRUAL CYCLE

- Arafat ES (Rust College, Holly Springs, MS). 1994. Steroid hormones/monoamine neurotransmitters in premenstrual syndrome. National Institute of General Medical Sciences.
- Cameron JL (University of Pittsburgh, Pittsburgh, PA). 1992. Etiology of exercise-induced amenorrhea. National Institute of Child Health and Human Development.
- Canfield RE (Columbia University, New York, NY). 1994. Hormonal parameters of the normal menstrual cycle. National Center for Research Resources.
- Evans WS (University of Virginia, Charlottesville, VA). 1994. Deconvolution of LH, FSH and prolactin in normal cycling women. National Center for Research Resources.
- Fanger MW (Dartmouth College, Hanover, NH). 1994. Characterization of myeloid cells. National Institute of Allergy and Infectious Diseases.
- Ferin M (Columbia University, New York, NY). 1994. The gonadotropin-releasing hormone pulse generator. National Institute of Child Health and Human Development.
- Harlow SD (University of Michigan, Ann Arbor, MI). 1994. An epidemiologic assessment of menstrual cycle patterns. National Institute of Child Health and Human Development. \$102,461.
- Irwin MR (University of California, San Diego, CA). 1994. Immunological effects of menstrual cycle and sleep deprivation. National Center for Research Resources.
- Kripke DF (University of California, San Diego, CA). 1994. Behavioral and light effects on menstrual cycle regulation. National Institute of Mental Health. \$68,526.
- Kripke DF (Department of Veterans Affairs, Medical Center, San Diego, CA). Effects of night lights on irregular menstrual cycle. Department of Veterans Affairs, Research and Development.
- Leslie CA (Department of Veterans Affairs, Medical Center, Bedford, MA). Gender, eicosanoid synthesis and immunity. Department of Veterans Affairs, Research and Development.
- Lewis LL (University of Washington, Seattle, WA). 1994. Nursing appraisal, stress and endocrine dynamics in PMS. National Institute of Nursing Research. \$122,622.
- Lewis LL (University of Washington, Seattle, WA). 1994. Premenstrual syndrome—stress and endocrine dynamics. National Center for Research Resources.
- Liebenluft E (National Institute of Mental Health, Bethesda, MD). 1994. The role of gonadal steroids in regulating circadian rhythms in women. National Institute of Mental Health.
- McClintock MK (University of Chicago, Chicago, IL). 1994. Pheromones, behavior and the regulation of fertility. National Institute of Mental Health. \$270,917.

- Phillips SF (Mayo Foundation, Rochester, MN). 1994. Does gastrointestinal transit of healthy women change during the menstrual cycle. National Center for Research Resources.
- Pogach LM (Department of Veterans Affairs, Medical Center, East Orange, NJ). Characterization of normal and abnormal menstrual cycle and endometrial function. Department of Veterans Affairs, Research and Development.
- Reame NE (University of Michigan, Ann Arbor, MI). 1992. Nursing assessment: menstrual cycle clinical models.
- Rogol AD (University of Virginia, Charlottesville, VA). 1994. Reproductive system function in endurance trained women. National Center for Research Resources.
- Rubinow DR (National Institute of Mental Health, Bethesda, MD). 1994. Psychobiology and treatment of menstrually-related mood disorders. National Institute of Mental Health.
- Schlechte JA (University of Iowa, Iowa City, IA). 1994. Efficacy of estrogen in hyperprolactinemic amenorrhea. National Institute of Diabetes and Digestive and Kidney Diseases. \$200,051.
- Selim AJ (Department of Veterans Affairs, Medical Center, Boston, MA). N.V.A. blood pressure study, Department of Veterans Affairs, Research and Development.
- Shenker Y (Department of Veterans Affairs, Medical Center, Madison, WI). Effects of ANF on AVP secretion during the menstrual cycle. Department of Veterans Affairs, Research and Development.
- Soules MR (University of Washington, Seattle, WA). 1994. Different clinical methods for the diagnosis of luteal phase deficiency. National Center for Research Resources.
- Stouffer RL (Oregon Regional Primate Research Center, Beaverton, OR). 1994. Subpopulations of luteal cells in the ovary. National Institute of Child Health and Human Development. \$196,917.
- Strickland OL (Emory University, Atlanta, GA). 1994. Nursing assessment of PMS—neurometric indices. National Institute of Nursing Research. \$316,237.
- Taylor D (University of California, San Francisco, CA). 1994. Nursing strategies for perimenstrual symptom management. National Institute of Nursing Research. \$99,410.
- Wagner DR (Cornell University Medical Center, New York, NY). 1994. Sleep, temperature and melatonin in LLLPDD. National Institute of Mental Health. \$163,990.
- Warren MP (St. Luke's Roosevelt Hospital Center, New York, NY). 1992. Estrogen replacement and complications of amenorrhea. National Institute of Child Health and Human Development.
- Weinshel EH (Department of Veterans Affairs, Medical Center, New York, NY). Effects of the menstrual cycle on the ECG. Department of Veterans Affairs, Research and Development.
- Yen SS (University of California, San Diego, CA). 1994. Biological rhythms of reproductive hormones and neurotransmitters. National Center for Research Resources.
- Yen SS (University of California, San Diego, CA). 1994. Hormonal dynamics during folliculogenesis. National Center for Research Resources.
- Yen SSC (University of California, San Diego, CA). 1994. Estrogen/progesterone fluctuation effect on premenstrual symptoms. National Center for Research Resources.

MISCELLANEOUS

- Shaver JL (University of Washington, Seattle, WA). 1994. Nursing study of perimenopausal insomnia. National Institute of Nursing Research. \$305,529.
- Smith TW (National Opinion Research Center, Chicago, IL). 1994. Gender differences in self reports on sensitive behaviors. National Science Foundation. \$219,301.
- Steele CM (Stanford University, Stanford, CA). 1994. Protective dis-identification and academic performance. National Institute of Mental Health. \$148,092.
- Tomer KB 1994. Collaborative projects in environmental health sciences. National Institute of Environmental Health Sciences.
- Warren DW (University of Southern California, Los Angeles, CA). 1994. Sex hormone regulation of lacrimal gland secretion. National Eye Institute. \$275,706.
- Wood PA (Department of Veterans Affairs, Medical Center). Mechanisms of the circadian coordination of erythropoiesis. Department of Veterans Affairs, Research and Development.

MUSCULOSKELETAL, BIOMECHANICS

- Fleming R, Rempel D (National Institute for Occupational Safety and Health, Atlanta, GA). 1994. Intracarpal pressure during hand maneuvers of men and women. Centers for Disease Control and Prevention.
- Morris TL (Department of Veterans Affairs, Medical Center, Hines, IL). Development of a low-dimensional state space representation of lifting dynamics. Department of Veterans Affairs, Research and Development.
- Myklebust B (Department of Veterans Affairs, Medical Center, Milwaukee, WI). Kinesiologic electromyographic studies in normal adult subjects. Department of Veterans Affairs, Research and Development.

MUSCULOSKELETAL, INJURIES

- Clegg DO (Department of Veterans Affairs, Medical Center, Salt Lake City, UT). Genetic epidemiology of rheumatoid arthritis. Department of Veterans Affairs, Research and Development.
- Davidson A (Yeshiva University, New York, NY). 1994. Using idiotypes to assess SLE in minority women. National Institute of Arthritis and Musculoskeletal and Skin Diseases. \$234,021.
- Everett JG (University of Michigan, Ann Arbor, MI). 1994. Construction tasks for overexertion injuries. National Institute for Occupational Safety and Health. \$37,460.
- Fleming R, Agnew J (National Institute for Occupational Safety and Health, Atlanta, GA). 1994. Age and cumulative trauma disorders in women garment workers. Centers for Disease Control and Prevention.
- Grant K, Sweeney M (National Institute for Occupational Safety and Health, Cincinnati, OH). 1994. Assessment of musculoskeletal disorders in the retail food industry. Centers for Disease Control and Prevention.
- Grisso JA (University of Pennsylvania, Philadelphia, PA). 1992. Causes of hip fractures among black and white women. National Institute of Arthritis and Musculoskeletal and Skin Diseases.
- Roy RR (University of California, Los Angeles, CA). 1994. Response of inactive skeletal muscles to neuromuscular activation. National Institute of Neurological Disorders and Stroke.
- Tanaka S, Behrens V (National Institute for Occupational Safety and Health, Cincinnati, OH). 1994. Analysis of the 1988 National Health Interview Survey (NHIS), Occupational Health Supplement (OHS) Data. Centers for Disease Control and Prevention.

MUSCULOSKELETAL, TREATMENT

- Gershuni DH (Department of Veterans Affairs, Medical Center, San Diego, CA). Treatment of non-union fractures with the IatroMed Bone Growth Stimulator. Department of Veterans Affairs, Research and Development.

NEUROSENSORY CONDITIONS

- De Simone JA (Virginia Commonwealth University, Richmond, VA). 1994. Voltage clamp probe of taste responses in development. National Institute on Deafness and Other Communication Disorders. \$182,601.
- Doty RL (University of Pennsylvania, Philadelphia, PA). 1994. Neuroendocrine factors and brain mechanisms in olfactory function. National Institute on Deafness and Other Communication Disorders.
- Essick GK (University of North Carolina, Chapel Hill, NC). 1994. Evaluation of perioral directional sensitivity. National Institute of Dental Research.
- Lentz MJ (University of Washington, Seattle, WA). 1994. Measuring sleep changes—accuracy of alternatives to PSG. National Institute of Nursing Research. \$127,495.
- Schneider JE (Lehigh University, Bethlehem, PA). 1995. Metabolic and endocrine control of behavior. National Science Foundation. \$344,515.

NUTRITION

- Adlercreutz C (University of Helsinki, Helsinki, Finland). 1992. Metabolism of soybean isoflavonoids and lignans in man. National Cancer Institute.
- Amos RJ (Iowa State University, Ames, IA). 1993. Behavioral and health factors that influence the food consumption of young adults. U.S. Department of Agriculture, Cooperative State Research Service.
- Armstrong JE (Washington State University, Pullman, WA). 1993. Culture-specific factors that influence dietary quality in multi-cultural communities. U.S. Department of Agriculture, Cooperative State Research Service.
- Auslander W (Washington University, St. Louis, MO). 1992. Modifying dietary patterns by empowering black women. National Institute of Diabetes and Digestive and Kidney Diseases.
- Bailey L (University of Florida, Gainesville, FL). 1993. Folate utilization and nutrient interaction in human subjects. U.S. Department of Agriculture, Cooperative State Research Service.
- Bailey LB (University of Florida, Gainesville, FL). 1994. Folate kinetics in pregnant human subjects. National Center for Research Resources.
- Baird DD (National Institute of Environmental Health Sciences, Research Triangle Park, NC). 1994. Biological effects of plant estrogens in postmenopausal women. National Institute of Environmental Health Sciences.
- Battaglia FC (University of Colorado Health Sciences Center, Denver, CO). 1994. Evaluation of in vivo placental permeability. National Center for Research Resources.
- Behall K, Canary J (Georgetown University, Washington, DC). 1992. Metabolic effect of incorporation high amylose foods in self-selected diets. U.S. Department of Agriculture, Agricultural Research Service.
- Beresford SA (University of Washington, Seattle, WA). 1992. Dietary intervention trial in primary care practices. National Cancer Institute.
- Bidlack B, Love J, Cate R (Iowa State University, Ames, IA). 1992. Research program: center for designing foods to improve nutrition. U.S. Department of Agriculture, Cooperative State Research Service.

- Boozler CN (St. Luke-Roosevelt Institute for Health Sciences, New York, NY). 1994. Fat metabolism and regulation of energy balance. National Institute of Diabetes and Digestive and Kidney Diseases. \$106,930.
- Bray G (Louisiana State University, Baton Rouge, LA). Dietary fat, food intake, energy expenditure and body composition. U.S. Department of Agriculture, Cooperative State Research Service.
- Brown I (Clark Atlanta University, Atlanta, GA). 1994. Anti-carcinogenesis properties of retinoids. National Institute of General Medical Sciences.
- Butera PC (Niagara University, Niagara, NY). 1994. Potentiation of CCK-8 on food intake by estradiol. National Institute of Diabetes and Digestive and Kidney Diseases. \$69,582.
- Connor W (Oregon Health Science University, Portland, OR). Lipid responsiveness to dietary fat in black and white women. U.S. Department of Agriculture, Competitive Research Grants Office.
- Dawson-Hughes B, Krall E, Harris S (Tufts University, Boston, MA). 1992. The vitamin D intake requirement in healthy postmenopausal women. U.S. Department of Agriculture, Competitive Research Grants Office.
- Demitrack M (University of Michigan, Ann Arbor, MI). 1994. Dieting effects on ovulation in college women. National Institute of Child Health and Human Development.
- Dennis KE (Department of Veterans Affairs, Medical Center, Baltimore, MD). GRECC nutrition clinical demonstration project. Department of Veterans Affairs, Research and Development.
- Diamond M (Yale University, New Haven, CT). 1994. Glucose homeostasis evaluation. National Center for Research Resources.
- Diamond MP (Vanderbilt University, Nashville, TN). 1994. Evaluation of glucose homeostasis. National Center for Research Resources.
- Dowdy R (University of Missouri, Columbia, MO). 1993. Nutritional health of vulnerable populations. U.S. Department of Agriculture, Cooperative State Research Service.
- Dratman MB (Department of Veterans Affairs, Medical Center). Post-prandial thyroid hormone levels in normal patients. Department of Veterans Affairs, Research and Development.
- Druzin M (Stanford University, Stanford, CA). 1994. Metabolic and fetal status response to variations in dietary carbohydrate. National Center for Research Resources.
- Edens NK (University of Maryland, College Park, MD). 1994. Regulation of adipocyte free fatty acid reesterification. National Institute of Diabetes and Digestive and Kidney Diseases. \$114,543.
- Elmer PJ (University of Minnesota Twin Cities, Minneapolis, MN). 1994. Dietary effects on lipoprotein and thrombogenic activity (DELTA). National Center for Research Resources.
- Elmer PJ (University of Minnesota Twin Cities, Minneapolis, MN). 1994. Multicenter studies of diet and lipoproteins. National Heart, Lung and Blood Institute. \$528,613.
- Elson C, Shrago E (University of Wisconsin, Madison, WI). Health maintenance aspects of dietary recommendations designed to modify lipid metabolism. U.S. Department of Agriculture, Cooperative State Research Service.
- Emken E, Adlof R, Mounts T (Northern Regional Research Center, Peoria, IL). 1993. Conversion of dietary fatty acids in humans. U.S. Department of Agriculture, Agricultural Research Service.
- Finley J, Vanderpool R (Agricultural Research Service, Grand Forks, ND). Absorption and homeostasis of trace elements. U.S. Department of Agriculture, Agricultural Research Service.
- Freudenheim JL (State University of New York, Buffalo, NY). 1994. Nutritional epidemiology of cancer. National Cancer Institute. \$69,349.
- Gabel KA (University of Idaho, Moscow, Idaho). 1993. Dietary fat and fiber: knowledge, perceived risk and dietary practices. U.S. Department of Agriculture, Cooperative State Research Service.
- Gerber L (University of Rhode Island, Kingston, RI). 1993. Beta-carotene and the prevention of cancer. U.S. Department of Agriculture, Cooperative State Research Service.
- Goldstein-Shapses SA (Rutgers State University, New Brunswick, NJ). 1994. Nutritional regulation of bone turnover. National Institute on Aging. \$123,700.
- Goodman M (University of Hawaii, Honolulu, Hawaii). 1994. Collaborative study of ovarian cancer in two risk groups. National Cancer Institute. \$517,367.
- Gregory JF III (University of Florida, Gainesville, Florida). 1994. Nutritional properties of pyridoxine-beta-glucoside. National Institute of Diabetes and Digestive and Kidney Diseases. \$86,280.
- Grunewald KK (Kansas State University, Manhattan, KS). 1993. Sucrose loading effects on cognitive function in young adults. U.S. Department of Agriculture, Cooperative State Research Service.
- Heaney RP (Creighton University, Omaha, NE). 1994. Calcium absorptive physiology. National Institute of Arthritis and Musculoskeletal and Skin Diseases.
- Heaney RP (Creighton University, Omaha, NE). 1994. Calcium bioavailability from certain food sources. National Institute of Arthritis and Musculoskeletal and Skin Diseases.

- Hill JO (University of Colorado Health Sciences Center, Denver, CO). 1994. The influence of diet on nutrient balance in man. National Institute of Diabetes and Digestive and Kidney Diseases. \$284,061.
- Hoerr SL (Michigan State University, East Lansing, MI). 1993. Behavioral and health factors that influence the food consumption of young adults. U.S. Department of Agriculture, Cooperative State Research Service.
- Howat P (Louisiana State University, Baton Rouge, LA). Reasoning and implications for inaccuracies of reported diet intake data. U.S. Department of Agriculture, Cooperative State Research Service.
- Iacono J, Cumberland W (University of California, Los Angeles, CA). 1992. Biostatistical and epidemiological methodology development in dietary intervention studies. U.S. Department of Agriculture, Agricultural Research Service.
- Icano J, Blair M (Vanderbilt University, Nashville, TN). 1992. Dietary studies on blood pressure and prostanoid metabolism. U.S. Department of Agriculture, Agricultural Research Service.
- Istfan NW (New England Medical Center Hospitals, Inc., Boston, MA). 1994. Nutrient partitioning and insulin resistance in obesity. National Institute of Diabetes and Digestive and Kidney Diseases.
- Jacob R, Csallany A (University of Minnesota, St. Paul, MN). Dietary studies of lipid peroxidation. U.S. Department of Agriculture, Agricultural Research Service.
- Jensen MD (Mayo Foundation, Rochester, MN). 1994. Regional fatty acid metabolism in humans. National Institute of Diabetes and Digestive and Kidney Diseases. \$253,281.
- Judd J, Canary T (Georgetown University, Washington, DC). 1992. Effect of type and amount of dietary fat on hormones in adult human. U.S. Department of Agriculture, Agricultural Research Service.
- Judd J, Muesing R (George Washington University, Washington, DC). Human lipoprotein metabolism in response to diet. U.S. Department of Agriculture, Agricultural Research Service.
- Judd JT (Agricultural Research Center, Beltsville, MD). 1993. Effect of dietary trans fatty acids on blood lipids. U.S. Department of Agriculture, Agricultural Research Service.
- Kalkwarf HJ (Children's Hospital Medical Center, Cincinnati, OH). 1994. Dietary calcium, lactation, and weaning on calcium status in women. National Center for Research Resources.
- Kasim SE (University of California, Davis, CA). 1994. High density lipoproteins—biomarkers of low-fat diet. National Cancer Institute. \$321,381.
- Keim N, Johnson H, Kretsch M (Agricultural Research Service, San Francisco, CA). Healthy body weight influences of nutritional, biological and environmental factors. U.S. Department of Agriculture, Agricultural Research Service.
- Kramer T (Agricultural Research Service, Beltsville, MD). Carotenoids and immune responses of humans. U.S. Department of Agriculture, Agricultural Research Service.
- Kramer TR (Agricultural Research Service, Beltsville, MD). 1993. Nutritional status and immune function of Ranger trainees following nutritional intervention. U.S. Department of Agriculture, Agricultural Research Service.
- Kretsch MJ (Agricultural Research Service, San Francisco, CA). 1993. Computerized dietary assessment of individuals: nutrition evaluation scale system development. U.S. Department of Agriculture, Agricultural Research Service.
- Kurzer M (University of Minnesota, St. Paul, MN). 1993. Dietary regulation of sex hormone synthesis and metabolism. U.S. Department of Agriculture, Cooperative State Research Service.
- Lawless HT (Cornell University, Ithaca, NY). 1993. Food flavor perception. U.S. Department of Agriculture, State Agricultural Experiment Station.
- Leklem J, Miller L (Oregon State University, Corvallis, OR). Vitamin B-6 - riboflavin: nutrient interaction, metabolism and status in women. U.S. Department of Agriculture, Competitive Research Grants Office.
- Lu LW (University of Texas, Galveston, TX). 1994. Pharmacokinetics of soybean anticarcinogens in humans. National Center for Research Resources.
- Mattes RD (Monell Chemical Senses Center, Philadelphia, PA). 1994. Hedonics and dietary intake of fat. National Institute of Diabetes and Digestive and Kidney Diseases. \$108,031.
- McGee B (Southern University, Baton Rouge, LA). Metabolic psychological behavioral and environmental concomitants of weight regulation in black women. U.S. Department of Agriculture, Cooperative State Research Service.
- Miller DR (New England Medical Center Hospitals, Inc, Boston, MA). 1994. Long term health impact of body weight change. National Institute of Diabetes and Digestive and Kidney Diseases.
- Molnar I, Glaser J, Bleich D (Lincoln University, Jefferson City, MO). Nutritional parameters in the etiology and control of adult onset diabetes in black women. U.S. Department of Agriculture, Cooperative State Research Service.
- Nair P, McMacken R Jr (John Hopkins University, Baltimore, MD). 1993. Relation between nutrition, aging and mutagenicity. U.S. Department of Agriculture, Agricultural Research Service.
- Nielsen F, Klevay L, Lukaski H (Agricultural Research Service, Grand Forks, ND). Human mineral element requirements and their modification by stressors. U.S. Department of Agriculture, Agricultural Research Service.

- Ohio Department of Health (Cleveland, OH). 1994. Interventions in iron deficiency anemia among women. Centers for Disease Control and Prevention.
- Olson AK (University of Alabama, Birmingham, AL). 1994. Effect of diet on weight, metabolism, thermogenesis and energy expenditure. National Center for Research Resources.
- Pak CYC (University of Texas Southwest Medical Center, Dallas, TX). 1994. Calcium bioavailability—risk for calcium stone formation. National Center for Research Resources.
- Penland JG (Agricultural Research Service, Grand Forks, ND). Trace element nutrition, neuropsychological function and behavior. U.S. Department of Agriculture, Agricultural Research Service.
- Picciano M (Pennsylvania State University, University Park, PA). Dietary folate requirement of lactating women. U.S. Department of Agriculture, Competitive Research Grants Office.
- Prior R, Sadowski L, Ferland J (Agricultural Research Service, Boston, MA). 1993. Function and metabolism of vitamin K and vitamin K-dependent proteins during aging. U.S. Department of Agriculture, Agricultural Research Service.
- Rumpler W, Conway J, Seale J (Agricultural Research Service, Beltsville, MD). Relationship between energy expenditure and identifiable sources of variation in humans. U.S. Department of Agriculture, Agricultural Research Service.
- Sachan D (University of Tennessee, Knoxville, TN). Choline-carnitine interactions: metabolic and nutritional significance. U.S. Department of Agriculture, Cooperative State Research Service.
- Salomon RM (Department of Veterans Affairs, Medical Center, West Haven, CT). The behavioral effects of acute tryptophan depletion in healthy subjects and depressed patients. Department of Veterans Affairs, Research and Development.
- Sanjur D, Ortega I, Rodriguez M (Cornell University, Ithaca, NY). 1993. Dietary risk-factors among Hispanic families. U.S. Department of Agriculture, Cooperative State Research Service.
- Schatzkin A (National Institutes of Health, Bethesda, MD). 1992. A dietary intervention study of the recurrence of large bowel adenomatous polyps. National Cancer Institute.
- Schwartz K (Johns Hopkins University, Baltimore, MD). 1994. Breath ethane, biomarker of vitamin A and E deficiency roles of participants. National Center for Research Resources.
- Scott BJ, St. Jeor ST, Brunner RL (University of Nevada, Reno, NV). 1993. Assessment of temporal changes in type and level of dairy food intake. U.S. Department of Agriculture, State Agricultural Experiment Station.
- Shultz TD (Washington State University, Pullman, WA). 1993. Dietary fat, fiber, phytochemicals, hormone metabolism, and cancer risk. U.S. Department of Agriculture, Cooperative State Research Service.
- Slavin JL (University of Minnesota, St. Paul, MN). 1993. Defining a desirable dietary fiber intake. U.S. Department of Agriculture, Cooperative State Research Service.
- Speizer FE (Brigham and Women's Hospital, Boston, MA). 1992. Dietary risk factors for diabetes in a cohort of women. National Institute of Diabetes and Digestive and Kidney Diseases.
- Spence J, Canary J (Georgetown University, Washington, DC). 1992. Modifying nutrient bioavailability and protection of human health. U.S. Department of Agriculture, Agricultural Research Service.
- Spencer H (Veterans Administration Medical Center, Hines, IL). 1992. Survey of food intake. Veteran's Administration.
- Stallings S, Wolman P (Winthrop College, Rock Hill, SC). 1993. Nutritional status and body composition of healthy, black, normal-weight, middle-age females. U.S. Department of Agriculture, Cooperative State Research Service.
- Tinsley AM (University of Arizona, Tucson, AZ). 1992. Factors that influence the food consumption of young adults. U.S. Department of Agriculture, Cooperative State Research Service.
- Trumbo P (Purdue Research Foundation, West Lafayette, IN). Pregnancy and vitamin B-6 bioavailability. U.S. Department of Agriculture, Competitive Research Grants Office.
- Tufts University (Boston, MA). 1994. Effect of a soy dietary supplement on menopausal symptoms and hormones in women at high risk of breast cancer. Army Medical Research and Materiel Command, Ft. Detrick, MD. \$800,000.
- Turlund J, Hawkes WC (Agricultural Research Service, San Francisco, CA). 1993. Dietary mineral requirements and nutritional status of humans. U.S. Department of Agriculture, Agricultural Research Service.
- Veillon C, Morris E (Agricultural Research Service, Beltsville, MD). Bioavailability of essential trace elements using stable isotopes. U.S. Department of Agriculture, Agricultural Research Service.
- Wallace RB (University of Iowa, Iowa City, IA). 1994. Women's Health Initiative. National Center for Research Resources.
- Wander RC (Oregon State University, Corvallis, OR). 1993. Interaction of vitamin E and fish oil on lipid peroxidation in older women. U.S. Department of Agriculture, Competitive Research Grants Office.
- Webb RE (Virginia Polytechnic Institute, Blacksburg, VA). 1993. Urinary conjugates in adult females and the effect of dietary broccoli. U.S. Department of Agriculture, Cooperative State Research Service.

- Weigel MM (University of Illinois, Urbana, IL). 1993. Diet, ethnicity and chronic disease risk in three U.S. Hispanic groups. U.S. Department of Agriculture, Cooperative State Research Service.
- Young VR (Massachusetts Institute of Technology, Cambridge, MA). 1994. Human amino acid kinetics and requirements. National Institute of Diabetes and Digestive and Kidney Diseases. \$285,485.

NUTRITION AND EXERCISE

- Broeder CE (Department of Veterans Affairs, Medical Center, Mountain Home, TN). The effects of aerobic fitness on resting metabolic rate and the thermogenic effect of feeding in women. Department of Veterans Affairs, Research and Development.
- Brooks GA (University of California, Berkeley, CA). 1994. Exercise substrate utilization—the crossover concept. National Institute of Arthritis and Musculoskeletal and Skin Diseases. \$329,469.
- Carlson MG (Vanderbilt University, Nashville, TN). 1994. Regulation of fat metabolism during exercise in humans. National Institute of Diabetes and Digestive and Kidney Diseases. \$109,200.
- Gardner SN (Westat, Inc., Rockville, MD). 1994. Continuation of followup on participants. National Cancer Institute. \$307,910.
- Geliebter A (St. Luke's-Roosevelt Institute for Health Sciences, New York, NY). 1994. Aerobic vs. strength training during dieting in obesity. National Institute of Diabetes and Digestive and Kidney Diseases. \$201,390.
- Goldberg AP (Department of Veterans Affairs, Medical Center, Baltimore, MD). Effects—obesity/physical conditioning/age and sertraline on adipose tissue metabolism/glucose tolerance/insulin/sympathetic nervous system activity & metabolic rate. Department of Veterans Affairs, Research and Development.
- Gowans S (Northwestern University, Chicago, IL). 1994. Effect of diet and exercise on insulin sensitivity after gestational diabetes. National Center for Research Resources.
- Hoffman MD (Department of Veterans Affairs, Medical Center, Milwaukee, WI). Comparison of caloric expenditure among indoor aerobic exercise modes. Department of Veterans Affairs, Research and Development.
- Houtkooper L, Howell W (University of Arizona, Tucson, AZ). Energy balance and body composition of sedentary and highly trained women. U.S. Department of Agriculture, Cooperative State Research Service.
- Klein S (Washington University, St. Louis, MO). 1994. Weight reduction and exercise training in obesity. National Institute of Diabetes and Digestive and Kidney Diseases. \$220,833.
- Williams PT (University of California, Berkeley, CA). 1994. Running and diet effects on lipoprotein subclasses. National Heart, Lung and Blood Institute. \$81,879.
- Williams PT (University of California, Berkeley, CA). 1994. Weight set-point and HDL concentration in runners. National Heart, Lung and Blood Institute. \$355,155.
- Wolfe RR (University of Texas Medical Center, Galveston, TX). 1994. Exercise, lipolysis and fat oxidation. National Institute of Diabetes and Digestive and Kidney Diseases. \$231,415.

OTOLARYNGOLOGICAL CONDITIONS

- Larson VD (Department of Veterans Affairs, Medical Center, Augusta, GA). The clinical efficacy of simultaneously acquired multi-frequency tympanograms. Department of Veterans Affairs, Research and Development.

PHARMACEUTICAL

- Anderson KE (University of Texas Medical Center, Galveston, TX). 1994. Efficacy of histrelin in acute porphyria. National Center for Research Resources.
- Badger TM (University of Arkansas, Little Rock, AR). 1994. Alcohol direct and indirect effects on drug metabolism. National Institute on Alcohol Abuse and Alcoholism. \$325,802.
- Bourgoignie JJ (University of Miami, Miami, FL). 1994. African American study of kidney disease. National Institute of Diabetes and Digestive and Kidney Diseases. \$299,254.
- Boyden TW (Department of Veterans Affairs, Medical Center, Tucson, AZ). Efficacy and safety of pravastatin in patients with primary hypercholesterolemia compared to placebo. Department of Veterans Affairs, Research and Development.
- Boyer WF (Department of Veterans Affairs, Medical Center, Decatur, GA). A clinical evaluation of Risperdal in the treatment of schizophrenia. Department of Veterans Affairs, Research and Development.
- Boza RA (Department of Veterans Affairs, Medical Center, Miami, FL). A multi-dose double blind study comparing four doses of Haldol decanote. Department of Veterans Affairs, Research and Development.
- Boza RA (Department of Veterans Affairs, Medical Center, Miami, FL). Seroquel vs. Haldol in prevention of relapse in stable outpatients with schizophrenia. Department of Veterans Affairs, Research and Development.

- Bryg RJ (Department of Veterans Affairs, Medical Center). Comparison of simvastatin and fluvastatin in patients with primary hypercholesterolemia (type IIA and IIB). Department of Veterans Affairs, Research and Development.
- Fenster L (California Public Health Foundation, Berkeley, CA). 1994. Caffeine and human reproduction. National Institute of Child Health and Human Development. \$107,883.
- Keogh JP (University of Maryland, Baltimore, MD). 1994. Phase IV chemoprevention trial beta-carotene/retinol. National Cancer Institute. \$409,376.
- Murphy DL (National Institute of Mental Health, Bethesda, MD). 1994. Neuropharmacology of neuroendocrine and neurotransmitter regulatory mechanisms. National Institute of Mental Health.
- Rosenberg L (Boston University, Boston, MA). 1994. Case-control surveillance of serious illnesses and drugs. National Cancer Institute. \$581,418.
- Thiobonni M (Case Western Reserve University, Cleveland, OH). 1994. Bioavailability study of levothyroxine (300 mcg) preparations. National Center for Research Resources.

PHYSICAL FITNESS, GENERAL

- Goldberg AP (Department of Veterans Affairs, Medical Center, Baltimore, MD). Effects of strength training on risk factors for cardiovascular disease and self perceptions in post menopausal women. Department of Veterans Affairs, Research and Development.
- Lowenthal DT (Department of Veterans Affairs, Medical Center, Gainesville, FL). Cross validation of submaximal cycle ergometry estimates of aerobic capacity. Department of Veterans Affairs, Research and Development.
- Maki KC (Department of Veterans Affairs, Medical Center, Hines, IL). Estimating energy expenditure with the AMS-1000 physical activity monitor. Department of Veterans Affairs, Research and Development.
- Pratley RE (Department of Veterans Affairs, Medical Center, Baltimore, MD). Effects of strength training on risks factors for cardiovascular disease and self perceptions in post menopausal women. Department of Veterans Affairs, Research and Development.

PSYCHOLOGICAL CONDITIONS

- Barr LC (Department of Veterans Affairs, Medical Center, West Haven, CT). Tryptophan depletion and vulnerability to depression. Department of Veterans Affairs, Research and Development.
- Cartwright RD (Rush-Presbyterian-St. Luke's Medical Center, Chicago, IL). 1994. Sex differences in mood disorder and REM sleep/dreaming. National Institute of Mental Health. \$153,688.
- Clarkin JF (Cornell University Medical Center, New York, NY). 1994. Marital treatment for bipolar disorder patients. National Institute of Mental Health. \$277,378.
- Frank E (University of Pittsburgh, Pittsburgh, PA). 1994. Maintenance psychotherapy in recurrent depression. National Institute of Mental Health. \$763,453.
- Genero NP (Wellesley College, Wellesley, MA). 1995. Peer support in high-risk mothers of young children. Maternal and Child Health Bureau.
- Heimberg C (Department of Veterans Affairs, Medical Center, Little Rock, AR). A randomized, comparative study of paroxetine in the treatment of depression as used in a clinical practice setting. Department of Veterans Affairs, Research and Development.
- Howlett BA (Department of Veterans Affairs, Medical Center, Coatesville, PA). An investigation of the relationship between general belief patterns and well-being. Department of Veterans Affairs, Research and Development.
- Kendler KS (Virginia Commonwealth University, Richmond, VA). 1994. Epidemiology of mood, anxiety and alcohol disorders. National Institute of Mental Health. \$1,261,972.
- Leibenluft E (National Institute of Mental Health, Bethesda, MD). 1994. Chronobiological evaluation of rapidcycling bipolar disorder. National Institute of Mental Health.
- Linehan MM (University of Washington, Seattle, WA). 1994. Assessment and treatment of parasuicide patients. National Institute of Mental Health. \$390,641.
- Major B (State University of New York, Buffalo, NY). 1994. Predicting psychological adjustment to abortion. National Institute of Mental Health. \$259,878.
- Meller W (University of Minnesota Twin Cities, Minneapolis, MN). 1994. Luteinizing hormone secretion in major depression. National Center for Research Resources.
- Mintz J (University of California, Los Angeles, CA). 1994. Work outcome in depression, anxiety, and schizophrenia. National Institute of Mental Health. \$52,085.
- Neal AM (Kent State University, Kent, OH). 1994. Race, reactivity, variability, and panic disorder. National Institute of Mental Health. \$88,668.
- Nolen-Hoeksema SK (Stanford University, Stanford, CA). 1994. Gender differences in depression across the lifespan. National Institute of Mental Health. \$323,794.
- Parry B (University, of California, San Diego, CA). 1994. Chronobiology of PMS and seasonal depression. National Center for Research Resources.
- Parry BL (University of California, San Diego, CA). 1994. Chronobiology of postpartum depression. National Center for Research Resources.

- Parry BL (University of California, San Diego, CA). 1994. Melatonin sensitivity to light in women with PMS and mood disorders. National Center for Research Resources.
- Rubinow DR (National Institute of Mental Health, Bethesda, MD). 1994. Hormonal studies of affective disorders. National Institute of Mental Health.
- Rubinow DR (National Institute of Mental Health, Bethesda, MD). 1994. Psychobiology and treatment of menstrually-related mood disorders. National Institute of Mental Health.
- Rubinow DR (National Institute of Mental Health, Bethesda, MD). 1994. Psychobiology and treatment of perimenopausal mood disorders. National Institute of Mental Health.
- Salomon RM (Department of Veterans Affairs, Medical Center, West Haven, CT). Serotonin mechanisms in sleep deprivation therapy for depression. Department of Veterans Affairs, Research and Development.
- Stahl SM (Department of Veterans Affairs, Medical Center, San Diego, CA). An open label, long term safety study of DN-2327 in the treatment of patients with generalized anxiety disorder. Department of Veterans Affairs, Research and Development.
- Trapp GA (Department of Veterans Affairs, Medical Center, Dallas, TX). Double-blind study to assess the efficacy of maintenance sertraline treatment in the prevention of recurrence in chronic depression. Department of Veterans Affairs, Research and Development.
- Willer JK (Department of Veterans Affairs, Medical Center, Chicago, IL). Mental health needs of female veterans. Department of Veterans Affairs, Research and Development.
- Young EA (University of Michigan, Ann Arbor, MI). 1994. Stress and reproductive hormones in depressed women. National Institute of Mental Health. \$200,215.

RADIATION

- Graham C (Midwest Research Institute, Kansas City, MO). 1994. EMF effects on melatonin hormones and immunity. National Institute of Environmental Health Sciences. \$280,953.
- London SJ (University of Southern California, Los Angeles, CA). 1994. Magnetic fields and breast cancer risk. National Institute of Environmental Health Sciences. \$176,249.
- Rinehart CA (University of North Carolina, Chapel Hill, NC). 1994. Evaluation of transforming potential of EMF. National Institute of Environmental Health Sciences. \$231,340.
- Ullrich RL (University of Texas, Galveston, TX). 1994. Carcinogenic interactions of radiation and chemicals. National Cancer Institute. \$229,022.
- Wilkinson GS (University of Texas Medical Center, Galveston, TX). 1994. Mortality among female nuclearweapons workers. National Institute for Occupational Safety and Health. \$240,739.

RESPIRATORY CONDITIONS

- Cassano PA (Cornell University, Ithaca, NY). 1994. Risk factors for chronic obstructive pulmonary disease. National Heart, Lung and Blood Institute. \$95,774.
- Chodosh SMD (Department of Veterans Affairs, Medical Center, Boston, MA). A multicenter investigator-blind efficacy and azithromycin vs. trimethoprim/sulfamethoxazole in the treatment of acute bacterial. Department of Veterans Affairs, Research and Development.
- Chodosh S (Department of Veterans Affairs, Medical Center, Boston, MA). Sparfloxacin vs. ciprofloxacin the treatment of acute bacterial exacerbations of chronic bronchitis. Department of Veterans Affairs, Research and Development.
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- Atrash H (National Center for Chronic Disease Prevention and Health Promotion, Atlanta, GA). Prevention of violence against women associated with reproductive health. Centers for Disease Control and Prevention.
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- Testa ML (New York State Council for Mental Hygiene Planning, Albany, NY). 1994. Alcohol and sexual risk taking among women. National Institute on Alcohol Abuse and Alcoholism. \$99,694.
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- Wheeler CM (University of New Mexico, Albuquerque, NM). 1994. PCR based natural history study of HPV infections. National Institute of Allergy and Infectious Diseases. \$77,199.

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- Ammenheuser MM (University of Texas Medical Center, Galveston, TX). 1994. Mutant T-cells in pregnant abusers of drugs and tobacco. National Institute on Drug Abuse. \$73,428.
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- Badger TM (University of Arkansas, Little Rock, AR). 1994. Alcohol direct and indirect effects on drug metabolism. National Institute on Alcohol Abuse and Alcoholism. \$325,802.
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- Fisher SE (North Shore University Hospital, Manhasset, NY). 1994. Ethanol and fetal growth—role of the placenta. National Institute on Alcohol Abuse and Alcoholism. \$405,862.
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- Gilbert DG (Southern Illinois University, Carbondale, IL). 1994. Gender and vulnerability factors in cigarette abstinence. National Institute on Drug Abuse. \$252,264.
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- Jamner LD (Department of Veterans Affairs, Medical Center, Fresno, CA). Stress, nicotine, and blood pressure: influences of gender and oral contraceptives. Department of Veterans Affairs, Research and Development.
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- Klesges RC (University of Memphis, Memphis, TN). 1994. Sex, smoking rate, and postcessation weight gain. National Heart, Lung and Blood Institute. \$313,868.
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- Rost KM (University of Arkansas, Little Rock, AR). 1994. Service use and course of drinking in rural drinkers. National Institute on Alcohol Abuse and Alcoholism. \$407,382.
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- Sullivan SE (Park Nicollet Medical Foundation, Saint Louis Park, MN). 1994. Reducing smoking-related risk for cervical cancer. National Cancer Institute. \$28,675.
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TOXINS

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- Armstrong Laboratory (Brooks Air Force Base, TX) 1994. DERA health standards—quantitative health and risk analysis.
- Baden JM (Department of Veterans Affairs, Medical Center). Adrenergic mechanisms of nitrous oxide-induced teratogenicity. Department of Veterans Affairs, Research and Development.
- Bhattacharyya MH (Argonne National Laboratory, Argonne, IL). Biochemical mechanisms of chemically induced health effects. U.S. Department of Energy.
- Blair AE (National Cancer Institute, Bethesda, MD). 1994. Studies of occupational cancer. National Cancer Institute.
- California Public Health Foundation. 1994. Measurements of dioxin, PCB and organochlorine levels in breast adipose tissue from women with and without breast cancer. Army Medical Research and Materiel Command, Ft. Detrick. \$149,000.
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- Klein NW (University of Connecticut, Storrs, CT). 1994. Pollutants, laminin antibody and reproductive failure. National Institute of Environmental Health Sciences. \$145,500.
- Kupfer D (Worcester Foundation for Experimental Biology, Shrewsbury, MA). 1994. Chlorinated hydrocarbons effects. National Institute of Environmental Health Sciences. \$435,467.

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- Monson RR (Harvard University, Boston, MA). 1994. Superfund toxic substances—exposure and disease. National Institute of Environmental Health Sciences. \$1,898,411.
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- Sandler DP (National Institute of Environmental Health Sciences, Research Triangle Park, NC). 1994. Environmental exposures and chronic renal and other diseases. National Institute of Environmental Health Sciences.
- Schur PH (Brigham and Women's Hospital, Boston, MA). 1994. Effects of silicone on the immune response. National Institute of Arthritis and Musculoskeletal and Skin Diseases. \$296,645.
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- Ultman JS (Pennsylvania State University, University Park, PA). 1994. Distribution of ozone in intact lungs. National Institute of Environmental Health Sciences. \$164,940.
- Vandevort C (University of California, Davis, CA). 1994. Mechanisms and biomarkers of female reproductive toxicity. National Institute of Environmental Health Sciences.
- Wolf G (Row Sciences, Inc., Rockville, MD). 1994. Reproductive toxicity test system. National Institute of Environmental Health Sciences. \$1,200,000.

TRAUMATIC STRESS, COMBAT

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- Dohrenwend BP (Columbia University, New York, NY). 1994. Israeli reactions to SCUD attacks during the Gulf War. National Institute of Mental Health. \$161,913.
- Kubany ES (Department of Veterans Affairs, Medical Center, Honolulu, HI). Trauma-related guilt: scale development and validation. Department of Veterans Affairs, Research and Development.
- Morgan CA III (Department of Veterans Affairs, Medical Center, West Haven, CT). Acoustic startle response in war veterans. Department of Veterans Affairs, Research and Development.
- Morgan CA III (Department of Veterans Affairs, Medical Center, West Haven, CT). Effects of diazepam and buspirone anxiolytics on baseline and fear potentiated startle in war veterans. Department of Veterans Affairs, Research and Development.
- Murburg MM (Department of Veterans Affairs, Medical Center, Palo Alto, CA). Sympathetic nervous system function in female and male veterans with post-traumatic stress disorder. Department of Veterans Affairs, Research and Development.
- Murphy RT (Department of Veterans Affairs, Medical Center, Palo Alto, CA). Combat exposure, early trauma, and alcohol problems. Department of Veterans Affairs, Research and Development.
- Sutker PB (Department of Veterans Affairs, Medical Center, New Orleans, LA). Evaluation of cognitive functioning in Persian War Gulf veterans reporting war-related health problems. Department of Veterans Affairs, Research and Development.
- Sutker PB (Department of Veterans Affairs, Medical Center, New Orleans, LA). Psychological assessment of Operation Desert Storm (ODS) returnees. Department of Veterans Affairs, Research and Development.
- West JA (Department of Veterans Affairs, Medical Center, New Orleans, LA). Relationship between sensory and perceptual process to patterns of psychopathology and PTSD in Vietnam and ODS theater veterans. Department of Veterans Affairs, Research and Development.

TRAUMATIC STRESS, OTHER

- Baker DG (Department of Veterans Affairs, Medical Center, Cincinnati, OH). Multicenter/parallel-group, double-blind/placebo controlled trial of brofaromine hydrochloride in patients with post-traumatic stress disorder. Department of Veterans Affairs, Research and Development.

- Burt MR (Urban Institute, Washington, DC). 1994. Cognitive representations, coping, and rape recovery. National Institute of Mental Health. \$80,864.
- Chen C (Department of Veterans Affairs, Medical Center, East Orange, NJ). Seasonal variation of PTSD. Department of Veterans Affairs, Research and Development.
- Davidson JR (Duke University, Durham, NC). 1994. Fluoxetine treatment of posttraumatic stress disorder. National Institute of Mental Health. \$346,933.
- Davidson JRT (Department of Veterans Affairs, Medical Center, Durham, NC). Double-blind comparison of sertraline and placebo in outpatients with post-traumatic stress disorder. Department of Veterans Affairs, Research and Development.
- Errebo NE (Department of Veterans Affairs, Medical Center, Fort Harrison, MT). Empirical validation of a model of traumatic guilt. Department of Veterans Affairs, Research and Development.
- Foa EB (Medical College of Pennsylvania, Philadelphia, PA). 1994. Prevention of PTSD following rape and aggravated assault. National Institute of Mental Health. \$295,805.
- Foa EB (Medical College of Pennsylvania, Philadelphia, PA). 1994. Rape victims—persistent reactions and their treatment. National Institute of Mental Health. \$364,796.
- Hall SP (North Carolina). Intimate relationship abuse perception scale. Agency for Health Care Policy and Research. \$19,992.
- Hertzberg M (Department of Veterans Affairs, Medical Center, Durham, NC). Double-blind comparison of sertraline and placebo in outpatients with post-traumatic stress disorder. Department of Veterans Affairs, Research and Development.
- Hertzberg M (Department of Veterans Affairs, Medical Center, Durham, NC). Preliminary study of fluvoxamine treatment of post-traumatic stress disorder. Department of Veterans Affairs, Research and Development.
- Holbrook TL (University of California, San Diego, CA). 1994. Prospective study of functional limitation after trauma. Agency for Health Care Policy and Research. \$420,610.
- Holman W (Department of Veterans Affairs, Medical Center, Birmingham, AL). The immune-adrenal axis in humans. Department of Veterans Affairs, Research and Development.
- Keller TW (Department of Veterans Affairs, Medical Center, Seattle, WA). A placebo-controlled, double blind, parallel trial of brofaromine hydrochloride in patients with PTSD. Department of Veterans Affairs, Research and Development.
- Koss MP (University of Arizona, Tucson, AZ). 1994. Cognitive processing of traumatic sexual victimization. National Institute of Mental Health. \$126,477.
- Kudler HS (Department of Veterans Affairs, Medical Center, Durham, NC). Fluoxetine treatment of post-traumatic stress disorder. Department of Veterans Affairs, Research and Development.
- Marmar CR (Department of Veterans Affairs, Medical Center, San Francisco, CA). Rescue worker responses to the I-880 freeway collapse. Department of Veterans Affairs, Research and Development.
- Morgan CA III (Department of Veterans Affairs, Medical Center, West Haven, CT). Fear acquisition and fear extinction in post traumatic stress disorder. Department of Veterans Affairs, Research and Development.
- Najavits LM (McLean Hospital, Belmont, MA). 1994. Group cognitive behavior therapy and dual diagnosis—women. National Institute on Drug Abuse. \$81,261.
- Resick PA (University of Missouri, St. Louis, MO). 1994. Cognitive processes in PTSD: treatment. National Institute of Mental Health. \$305,994.
- Sutker PB (Department of Veterans Affairs, Medical Center, New Orleans, LA). Psychological outcomes to hurricanes: a risk factor model. Department of Veterans Affairs, Research and Development.
- Watson CG (Department of Veterans Affairs, Medical Center, St. Cloud, MN). The incidence of posttraumatic stress disorder (PTSD) in abused women. Department of Veterans Affairs, Research and Development.

PART B FY 1994 DEFENSE WOMEN'S HEALTH RESEARCH PROGRAM INTRAMURAL PROJECTS

The following intramural projects were funded by the Defense Woman's Health Research Program, FY 1994. Some projects have been placed in more than one category.

BONE

- Craft DW (Dwight David Eisenhower Army Medical Center, Ft. Gordon, GA). 1994. The Effect of Levonorgestrel (Norplant) on the Immune Regulation of Bone Morphogenesis.
- Duncan WE (Walter Reed Army Medical Center, Washington, DC). 1994. Osteoporosis in Servicewomen: Causes, Therapy, Outcomes, and Relationships to Fractures.
- Hanson BS (Dwight David Eisenhower Army Medical Center, Ft. Gordon, GA). 1994. The Effects of Estrogen and Progesterone Levels on Osseointegration of Dental Implants.
- Jones C (Madigan Army Medical Center, Tacoma, WA). 1994. Use of Pulsing Electromagnetic Fields for the Treatment of Pelvic Stress Fractures among Female Soldiers.
- McDermott MT (Fitzsimmons Army Medical Center, Aurora, CO). 1994. The Effects of Region-Specific Resistance Exercises on Bone Mass in Premenopausal Military Women.
- Shaffer RA (Naval Health Research Center, San Diego, CA). 1994. Use of Noninvasive Bone Structural Measurements to Evaluate Stress Fracture Susceptibility among Female Recruits in U.S. Marine Corps Basic Training.
- Snedecor MR (Office for Prevention and Health Services Assessment, Brooks Air Force Base, TX). 1994. Injury and Morbidity Rates Among Air Force Female Basic Military Recruits.
- Strider JW Jr. (Dwight David Eisenhower Army Medical Center, Fort Gordon, GA). 1994. Women's Health Care Issues: The Incidence of Localized Osteitis in Female Soldiers Using Norplant Contraceptive.

CARDIOVASCULAR HEALTH

- Calagan JL (Fitzsimmons Army Medical Center, Aurora, CO). 1994. Chest Pain Syndrome in Active Duty Females: Screening and Diagnosis.
- McBiles M (Fitzsimmons Army Medical Center, Aurora, CO). 1994. Simultaneous Transmission/Emission Protocol (STEP) for Attenuation Correction of Breast and Diaphragmatic Attenuation Artifacts during SPECT 99mTc-Sestamibi Myocardial Perfusion.

COMMUNICABLE DISEASES

- Andersen SL (Walter Reed Army Institute of Research, Washington, DC). 1994. Comparison of the Efficacy and Tolerance of Azithromycin to that of Doxycycline in Prophylaxis against *Plasmodium falciparum* Malaria.
- Copeland R (U.S. Army Medical Research Unit, Nairobi, Kenya). 1994. Attraction of Malaria Mosquitoes to Women under Different Physiological Conditions.
- Duffy PE (U.S. Army Medical Research Unit, Kenya). 1994. Identification of Placental Ligands and Cytokines Involved in Maternal Malaria.
- Engler RJM (Walter Reed Army Medical Center, Washington, DC). 1994. Protective Immunity to Hepatitis B and *Streptococcus* Pneumonia in Active Duty Women versus Men: Prevalence and Responses to Preventive Immunization.
- Sjogren MH (Walter Reed Army Medical Center, Washington, DC). 1994. Clinical Impact of Hepatitis C Infection in Military Active Duty Women.
- Strickman D (Walter Reed Army Medical Center, Washington, DC). 1994. Antibiotics for the Treatment of Scrub Typhus During Pregnancy.

DATABASE

- Burch HB (Walter Reed Army Medical Center, Washington, DC). 1994. Endocrine Deficiency in the Service-woman: An Assessment of Prevalence, Adequacy of Therapy, and Impact on Deployability in Patients Evaluated at the Walter Reed Army Medical Center Endocrinology Clinic.
- Calderon R (Naval Health Research Center, San Diego, CA). 1994. The Health Status of Women in the Military: An Epidemiological Study of Active Duty Navy and Marine Corps Personnel.
- Garland FC (Naval Health Research Center, San Diego, CA). 1994. Hospitalization Rates for Military Women: Feasibility and Design of a Tri-service Relational Database Architecture Allowing Service-Specific and Tri-Service Reporting.
- Garland FC (Naval Health Research Center, San Diego, CA). 1994. Women aboard Navy Ships: A Comprehensive Health and Readiness Research Project.
- Gunzenhauser JD (Madigan Army Medical Center, Tacoma, WA). 1994. Comparative Morbidity Study of Active Duty Women Serving in Korea and Ft. Lewis.

- Meyer JG (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. Injury and Illness among Air Force Female Military Recruits.
Ursano RJ (Uniformed Services University of the Health Sciences, Bethesda, MD). 1994. Stress and Women's Health: Combat Deployment Contingency Operations and Trauma.

GYNECOLOGIC/GENITO-URINARY

- Claybaugh JR (Tripler Army Medical Center, Honolulu, HI). 1994. Effects of Time of Day, Age, and Gender on the Ability to Conserve a Water Load.
Davis G (Fitzsimmons Army Medical Center, Aurora, CO). 1994. Evaluation of the Performance Impact and Treatment of Exercise Induced Urinary Incontinence Among Female Soldiers.

GYNECOLOGIC/REPRODUCTIVE HEALTH, BIRTH CONTROL

- Craft DW (Dwight David Eisenhower Army Medical Center, Ft. Gordon, GA). 1994. The Effect of Levonorgestrel (Norplant) on the Immune Regulation of Bone Morphogenesis.
Strider JW Jr. (Dwight David Eisenhower Army Medical Center, Fort Gordon, GA). 1994. Women's Health Care Issues: The Incidence of Localized Osteitis in Female Soldiers Using Norplant Contraceptive.

GYNECOLOGIC/REPRODUCTIVE HEALTH, LONG-RANGE IMPLICATIONS

- Becker RL Jr. (Armed Forces Institute of Pathology, Washington, DC). 1994. Prognostic Stratification of Atypical Endometrial Hyperplasia: Definition of Cases Not Requiring Prophylactic Hysterectomy.

GYNECOLOGIC/REPRODUCTIVE HEALTH, POSTPARTUM

- Bute BG (Fitzsimmons Army Medical Center, Aurora, CO). 1994. The Non-invasive Detection and Characterization Treatment and Potential Prevention of Anal Incontinence in the Parous Active Duty Female Population.
Dettori JR (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. A Comparison of the Medical, Nutritional, and Performance Status among Postpartum Soldiers, Postpartum Family Members, and Non-pregnant Soldiers.

GYNECOLOGIC/REPRODUCTIVE, HEALTH PREGNANCY

- Brodine SK (Naval Health Research Center, San Diego, CA). 1994. Assessment and Intervention for the Reduction of Adverse Gynecologic and Obstetric Clinical Events in Women aboard Ship.
Creedon JF (Evans Army Community Hospital, Ft. Carson, CO). 1994. Relationships between Female Soldier's Military Occupational Specialty (MOS) and Birth Outcome.
Hume RF Jr. (Madigan Army Medical Center, Tacoma, WA). 1994. Pregnancy Outcomes Comparison between Active Duty Military Women and Working and Non-working Family Members.
Manzo CB (Walter Reed Army Medical Center, Washington, DC). 1994. Comparison of Predicted vs. Actual 24-Hour Measured Creatinine Clearance in Pregnant Females.
Martin R (Madigan Army Medical Center, Tacoma, WA). 1994. The Relationship of Bacterial Contamination and Interleukin-6 in Amniotic Fluid in Preterm Labor and Delivery.
Meier CM (Madigan Army Medical Center, Tacoma, WA). 1994. Exercise, Blood Pressure, and Heart Rate Response in Pregnancy as a Predictor of Preeclampsia.
Satin AJ (Wilford Hall Medical Center, Lackland Air Force Base, TX). 1994. The Relationship among Active Duty Service and Pregnancy and Neonatal Outcomes.
Smoak BL (Walter Reed Army Institute of Research, Washington, DC). 1994. The Effects of Inadvertent Exposure of Mefloquine Chemoprophylaxis on Pregnancy Outcomes and Infants of U.S. Army Servicewomen Returning from Somalia.
Wanersdorfer EM (Fitzsimmons Army Medical Center, Aurora, CO). 1994. Evaluation of a Structural Physical Fitness Program for Pregnant Soldiers: Effects on Weight Gain, Blood Pressure, Lost Duty Time, Length of Labor, Birth Weight, and Ability to Pass First Physical Training Test Post Delivery.

HEALTH, GENERAL

- Gunzenhauser JD (Madigan Army Medical Center, Tacoma, WA). 1994. Comparative Morbidity Study of Active Duty Women Serving in Korea and Ft. Lewis.
Merrill LL (Naval Health Research Center, San Diego, CA). 1994. The Impact of the Health Care Perceptions of Female Patients and their Health Care Providers on Women's Health Aboard Ships Compared to Women at Shore Stations.
Ursano RJ (Uniformed Services University of the Health Sciences, Bethesda, MD). 1994. Stress and Women's Health: Combat Deployment Contingency Operations and Trauma.

HEALTH SERVICES

- Calderon R (Naval Health Research Center, San Diego, CA). 1994. The Health Status of Women in the Military: An Epidemiological Study of Active Duty Navy and Marine Corps Personnel.
- Robbins AS (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. Availability, Accessibility, and Adequacy of Health Care Provided to USAF Active Duty Women in Theater During Operation Desert Shield/Desert Storm (ODS).

JOB SATISFACTION

- Johnson PL (Tripler Army Medical Center, Honolulu, HI). 1994. Evaluation of Psychological and Stress Factors Affecting Retention and Deployability of Women in the Military.

JOB STRESS

- Fiedler ER (Wilford Hall Medical Center, Lackland Air Force Base, TX). 1994. Predicting Military-Induced Stress Responses in Servicewomen.

LOAD-BEARING

- Harper WH (U.S. Army Research Laboratory). 1994. Investigation of Female Load Bearing Capabilities.

MEDICAL TECHNOLOGY

- Becker RL Jr. (Armed Forces Institute of Pathology, Washington, DC). 1994. Prognostic Stratification of Atypical Endometrial Hyperplasia: Definition of Cases Not Requiring Prophylactic Hysterectomy.
- Ho VB (Madigan Army Medical Center, Tacoma, WA). 1994. Magnetic Resonance Mammography (MRM): A Promising Application for Fat Suppression by Phase Unwrapping in the 3-Point-Dixon Method.
- O'Leary TJ (Armed Forces Institute of Pathology, Washington, DC). 1994. Automated Rescreening of Pap Smears.
- Seidman J (Armed Forces Institute of Pathology, Washington, DC). 1994. Prognostic Factors in Breast Cancer.

MENSTRUAL CYCLE

- Euhus DM (Tripler Army Medical Center, Honolulu, HI). 1994. Influence of Parenteral Progesterone Administration in the Prevalence and Severity of Mastodynia in Active Duty Servicewomen.
- Golenda C (Walter Reed Army Institute of Research, Washington, DC). 1994. Efficacy and Duration of Army Extended Duration Topical Insect/Arthropod Repellent (EDTIAR) Formulation on Female Personnel and Attractiveness of Mosquitoes to Females During Different Phases of the Menstrual Cycle.
- Hnatiuk OW (Walter Reed Army Medical Center, Washington, DC). 1994. Effects of Menstrual Phase on Pulmonary Function and Exercise Performance in Young Active Duty Women.
- Langford TL (U.S. Army Aeromedical Research Laboratory, Ft. Rucker, AL). 1994. The Effect of the Menstrual Cycle on the Ability of Women Aviators to Extract Information from 3-Dimensional Head-Up Cockpit Displays.
- Powell J (Madigan Army Medical Center, Tacoma, WA). 1994. Effect of Premenstrual Syndrome and Primary Dysmenorrhea on Women's Cognitive Functioning and Job Performance Before and After Biofeedback Treatment.
- Rock PB (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. The Effect of Menstrual Cycle Phase on Physical Work Performance During Exposure to High Terrestrial Altitude.

MUSCULOSKELETAL, INJURIES

- Amoroso PJ (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. The Impact of Injuries on the Health and Readiness of Women in the Army from 1980 to 1994.
- Shaffer RA (Naval Health Research Center, San Diego, CA). 1994. The Epidemiology of Illness, Injury, and Attrition Among Select U.S. Military Female Populations.

MUSCULOSKELETAL, TREATMENT

- Shaffer RA (Naval Health Research Center, San Diego, CA). 1994. Use of Noninvasive Bone Structural Measurements to Evaluate Stress Fracture Susceptibility among Female Recruits in U.S. Marine Corps Basic Training.

NOISE, HEARING LOSS

Nixon CW (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. Vulnerability of Female Produced Speech in Operational Environments.

NUTRITION

Cline AD (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Assessment of Iron Status and Dietary Intake of Female Army Soldiers.

Kepczyk T (Fitzsimmons Army Medical Center, Aurora, CO). 1994. Gastrointestinal Lesions in Iron Deficient Premenopausal Women.

Westphal KA (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Prevalence of Negative Iron Nutrition and Relationship with Immuno-competence and Fitness Level in U.S. Army Servicewomen.

NUTRITION AND EXERCISE

McDermott MT (Fitzsimmons Army Medical Center, Aurora, CO). 1994. Assessment of Dietary Calcium Intake, Physical Activity and Habits Affecting Skeletal Health among Premenopausal Military Women.

Singh A (Uniformed Services University of the Health Sciences, Bethesda, MD). 1994. Micronutrient/Antioxidant Supplementation and Immune Function in Women: Effects of Physiologic Stress.

PERFORMANCE

Elliott LR (Armstrong Laboratory/CFTO, Brooks Air Force Base, TX). 1994. Gender Composition of High Stress Tactical Decisionmaking Teams: Impact on Team Process and Outcome.

Flynn C (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. Self-Administered Computerized Battery to Assess Psychological Factors in Female Aviators.

Marcinik EJ (Naval Medical Research Institute, Bethesda, MD). 1994. Gender Differences in Emergency Shipboard Damage-Control Task Performance: Human Factors Solutions.

Regian JW (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. Instructional Interventions for Reductions of Gender Differences in Learning.

PHARMACEUTICAL

Andersen SL (Walter Reed Army Institute of Research, Washington, DC). 1994. Comparison of the Efficacy and Tolerance of Azithromycin to that of Doxycycline in Prophylaxis against *Plasmodium falciparum* Malaria.

Caldwell JA (U.S. Army Aeromedical Research Laboratory, Ft. Rucker, AL). 1994. Sustaining Female UH-60 Pilot Performance with Dexedrine During Continuous Operations.

Comperatore CA (U.S. Army Aeromedical Research Laboratory, Ft. Rucker, AL). 1994. Menstrual Regularity in Rapid Deployment and Night Operations: Can Melatonin Affect Ovulation in Female Personnel?

Copeland R (U.S. Army Medical Research Unit, Nairobi, Kenya). 1994. Attraction of Malaria Mosquitoes to Women under Different Physiological Conditions.

Engler RJM (Walter Reed Army Medical Center, Washington, DC). 1994. Protective Immunity to Hepatitis B and *Streptococcus* Pneumonia in Active Duty Women versus Men: Prevalence and Responses to Preventive Immunization.

Golenda C (Walter Reed Army Institute of Research, Washington, DC). 1994. Efficacy and Duration of Army Extended Duration Topical Insect/Arthropod Repellent (EDTIAR) Formulation on Female Personnel and Attractiveness of Mosquitoes to Females During Different Phases of the Menstrual Cycle.

Johnson RF (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Effects of Caffeine on Target Detection and Rifle Firing Accuracy of Men and Women during Three Hours of Simulated Sentry Duty.

Manzo CB (Walter Reed Army Medical Center, Washington, DC). 1994. Comparison of Predicted vs. Actual 24-Hour Measured Creatinine Clearance in Pregnant Females.

Smoak BL (Walter Reed Army Institute of Research, Washington, DC). 1994. The Effects of Inadvertent Exposure of Mefloquine Chemoprophylaxis on Pregnancy Outcomes and Infants of U.S. Army Servicewomen Returning from Somalia.

Strickman D (Walter Reed Army Medical Center, Washington, DC). 1994. Antibiotics for Treatment of Scrub Typhus During Pregnancy.

Tseng J (Walter Reed Army Institute of Research, Washington, DC). 1994. Pathological Reactions of Toxic Shock Syndrome Toxin-1 and Development of a Prototype Vaccine and Treatment Agents.

Young SA (Walter Reed Army Medical Center, Washington, DC). 1994. Treatment of Premenstrual Dysphoric Disorder with Sertraline During Luteal Phase.

PHYSICAL FITNESS, STRENGTH/ENDURANCE

- Boyea SR (Walter Reed Army Medical Center, Washington, DC). 1994. Pushup Performance by Women.
- Harman E (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Effects of a Specifically Designed Physical Conditioning Program on the Load Carriage and Lifting Performance of Female Soldiers.
- Harper WH (U.S. Army Research Laboratory). 1994. Investigation of Female Load Bearing Capabilities.
- Knapik J (Army Research Laboratory, Aberdeen Proving Ground, MD). 1994. Strength Training to Improve Women's Lifting Capacity.
- Pokorski TL (Naval Aerospace Medical Research Laboratory, Pensacola, FL). 1994. Performance-based Occupational Strength Testing for Candidate Navy Pilots/Naval Flight Officers.
- Rice V (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Identification of Military Manual Lifting Capabilities.
- Robinson MD (Walter Reed Army Medical Center, Washington, DC). 1994. Muscle Activity and Fatigue during Pushups Performed by Women. An Electromyographic and Cinemagraphic Analysis of Fifteen Muscles.
- Treadwell TA (U.S. Army Research Laboratory, Aberdeen Proving Ground, MD). 1994. The Effects of Sustained Operations on Female Soldier Performance.
- Weisman IM (William Beaumont Army Medical Center, El Paso, TX). 1994. Impact of Smoking on Aerobic and Anaerobic Performance During Upper and Lower Body Exercise in Female Soldiers.

PROTECTIVE CLOTHING AND EQUIPMENT

- Cornum KG (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. Urination in Aviation: Evaluation of Urine Collection Equipment for Female Aviators.
- Endrusick TL (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Physiological and Psychological Evaluation of Women Wearing Protective Clothing with Varying Moisture Vapor Transmission Rates (MVTR).
- Gonzalez RR (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Development of a Thermoregulatory Model Specific for Women Exposed to Cold and Heat Stress Wearing Military Clothing.
- Hawley-Bowland C (William Beaumont Army Medical Center, El Paso, TX). 1994. Lady J and Freshette Complete System. A Field Trial for the Active Duty Woman.
- Hodgdon J (Naval Health Research Center, San Diego, CA). 1994. Countermeasure to Heat Stress in Females.
- Licina JR (U.S. Army Aeromedical Research Laboratory, Ft. Rucker, AL). 1994. Female Aviator Anthropometric Clothing and Cockpit Compatibility Assessment.
- Self DA (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. Research Program Leading to Female Acceleration Tolerance Enhancement through Development of Gender-Specific Life Support Equipment.
- Smith SD (Armstrong Laboratory, Wright-Patterson Air Force Base, OH). 1994. Female Seat Cushion Study.

RADIATION

- Stamper DA (Walter Reed Army Institute of Research, U.S. Army Medical Research Unit, Brooks Air Force Base, TX). 1994. The Effects of Laser Glare on Pursuit Tracking Performance with Males and Females in the Field and with a Laboratory Simulator.

RESPONSES TO STRESSORS, OTHER

- Claybaugh JR (Tripler Army Medical Center, Honolulu, HI). 1994. Effects of Time of Day, Age, and Gender on the Ability to Conserve a Water Load.
- Hodgdon J (Naval Health Research Center, San Diego, CA). 1994. Neck and Back Strain Profiles of Rotary-Wing Female Pilots.
- Mayorga MA (Walter Reed Army Institute of Research, Washington, DC). 1994. The Effects of Blast Overpressure (BOP) on Intra-abdominal Organs.
- McCloskey K (Armstrong Laboratory, Wright-Patterson Air Force Base, OH). 1994. Female Performance under High-G during Fatigue and after G-layoff.
- Treadwell TA (U.S. Army Research Laboratory, Aberdeen Proving Ground, MD). 1994. The Effects of Sustained Operations on Female Soldier Performance.

RESPONSES TO STRESSORS, PHYSICAL ACTIVITY

- Kamimori GH (Walter Reed Army Institute of Research, Washington, DC). 1994. Effect of Gender and Time of Cycle (Menstrual) on Hormonal and Endocrine Response, Cognitive Performance, and Mood in Females and Males during Moderate and Heavy Exercise.
- South-Paul JE (Uniformed Services University of the Health Sciences, Bethesda, MD). 1994. The Impact of Physical Activity on Premenstrual Syndrome.

RESPONSES TO STRESSORS, PRESSURE

- Pilmanis AA (Armstrong Laboratory, Brooks Air Force Base, TX). 1994. The Effect of Gender on Susceptibility to Altitude Decompression Sickness.
- Rock PB (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Effect of Menstrual Cycle Hormone Changes on Occurrence of Acute Mountain Sickness (AMS) in Women Exposed to High Terrestrial Altitude.
- Rock PB (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. The Effect of Menstrual Cycle Phase on Physical Work Performance During Exposure to High Terrestrial Altitude.

RESPONSES TO STRESSORS, TEMPERATURE

- Kolka MA (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Non-compensable Heat Stress in Women during Exercise-Heat Exposure.
- Santee WR (U.S. Army Research Institute of Environmental Medicine, Natick, MA). 1994. Casualty Evacuation by Female Litter Teams under Hot-Dry Conditions.

SEXUAL ASSAULT/HARASSMENT

- Bostock DJ (60th Medical Group Army Medical Center, Travis Air Force Base). 1994. Sexual Assault on Active Duty Air Force Women: A Preliminary Study.
- Evans MA (Walter Reed Army Institute of Research, Washington, DC). 1994. Women in the Military: Pregnancy, Command Climate, Organizational Behavior, and Outcomes.
- Rosen LN (Walter Reed Army Institute of Research, Washington, DC). 1994. Integration of Women into Military Units: Impact of Gender Bias and Sexual Harassment.

STDs

- Artenstein AW (Walter Reed Army Institute of Research). 1994. Measurement of HIV-1 Specific Immunologic Responses in the Female Genital Tract and Correlation with Other Contemporaneous Mucosal and Systemic Immune Responses in HIV-1 Infected Women.
- Brodine SK (Naval Health Research Center, San Diego, CA). 1994. Assessment and Intervention for the Reduction of Adverse Gynecologic and Obstetric Clinical Events in Women Aboard Ship.
- Lo S (Armed Forces Institute of Pathology, Washington, DC). 1994. Mycoplasma Infections and Non-gonococcal Urethritis and Pelvic Inflammatory Disease in Women.
- Vahey MT (Walter Reed Army Institute of Research, Washington, DC). 1994. The Natural History of HIV Infection in Women: Evaluation of Viral Load and CD4 Lymphocyte Numbers as Surrogate Markers of Disease Progression.

TOXINS

- Caldwell DJ (Medical Research Development, Wright Patterson Air Force Base, OH). 1994. Protocol for the Identification of Reproductive Toxins Which May Affect Women within the U.S. Department of Defense.