THE DIVISION OF RESEARCH conducts, publishes, and disseminates high-quality epidemiologic and health services research to improve the health and medical care of Kaiser Permanente members and the society at large. It seeks to understand the determinants of illness and well being and to improve the quality and cost-effectiveness of health care. To accomplish these goals, the Division of Research is committed to providing a supportive research environment that fosters independent thinking, creativity, continued learning and adherence to the highest scientific standards.
LAKE MERRITT: A large tidal lagoon that lies just east of downtown Oakland, California and is surrounded by parkland and city neighborhoods. A popular walking and jogging path runs along its perimeter.

The Tribune Tower, Oakland, California

Jonathan Parker painting hanging on the walls of DOR

Snow Park, Oakland California

City Center, Oakland California

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33 Words from the Founder of the Division of Research
The Division of Research conducts research primarily among the 3.4 million Kaiser Permanente members of Northern California using interviews, computer-stored data, medical records, and clinical examinations. Projects include epidemiologic and health services studies, as well as, clinical trials and program evaluations. They cover a wide range of topics including cardiovascular disease, cancer, diabetes, substance abuse, mental health, maternal and child health, women’s health, drug safety, studies of the impact of changing health care policy and practice, health and health care disparities and genetic influences on health and illness. DOR researchers contributed more than 200 scientific articles to the medical and public health literature in 2006 and have published well over 2000 articles during DOR’s 45 year history. In addition, DOR researchers frequently share research findings with physicians of The Permanente Medical Group (TPMG), with Kaiser Foundation Health Plan leadership, and with the public through presentations and articles in the lay press.

A unique feature of many DOR studies is their large size and high level of accuracy and detail that are the result of Kaiser Permanente’s foresight over the years in building and maintaining high quality clinical databases. Population-based studies of the scope achievable within Kaiser Permanente simply can’t be done elsewhere. In all of this work, researchers are guided by Kaiser Permanente’s Institutional Review Board, which reviews and approves each project before its initiation, ensuring that risks to study participants, to their safety or their privacy, are minimized and that the potential benefits of each study always outweigh any possible risks.

Increasingly, our studies include collaborations with clinicians and operations staff from elsewhere in TPMG or the larger Kaiser Permanente community. These partnerships are another noteworthy feature of research at DOR, creating opportunities to translate research findings into practice much more quickly than in other settings. A growing number of our studies feature collaboration with researchers from other regions of Kaiser Permanente, and with researchers from other health plan-based centers affiliated with the HMO Research Network. Collaborations with academic colleagues from across the country, and especially from academic centers in the Bay Area, provide opportunities to join our population research skills with those of other disciplines. Cutting edge research today frequently requires the joint efforts of two or more individuals working as members of inter-disciplinary research teams. We appreciate all of these collaborations and welcome inquiries from scientists who may be interested in working with us.

Finally, a word of recognition and thanks to our funders. More than 90% of the DOR’s $50 million annual budget comes from competitive awards, primarily from the NIH, from other federal sources including the CDC, AHRQ and the FDA; from private foundations, from industry sponsors, and from internal Kaiser Permanente sources, including the Northern California Community Benefit Program and the Garfield Memorial Fund.

Core funding continues to come from our parent organization, The Permanente Medical Group.

We salute all of our collaborators, both those from within our organization and those from other institutions. We thank you for your collegiality and hard work. We look forward to continuing our work with you for the improvement of the health of Kaiser Permanente members, our local communities, and the broader world community.

IA M PLEASED to present the 2006 Research Activities Report of Kaiser Permanente Northern California’s Division of Research (DOR). Its primary purpose is to familiarize you with the DOR, its 42 research scientists, their achievements, and the more than 250 projects they currently have underway.
THE ADMINISTRATION Department at the Division of Research (DOR) includes grants and contracts, fiscal operations, human resources, research operations, public affairs, and research compliance (IRB). The Grants and Contracts Division maintains a team of experienced, customer-focused Research Administrators providing all pre-award services. The Finance Department provides all the necessary services to Principal Investigators and project staff in regard to post-award administration of grants.

Administration also employs a full-time IRB liaison who serves as a consultant to Investigators and staff on all aspects of IRB transactions, as well as employing a Public Affairs/Media Relations liaison who is responsible for facilitating communications between the DOR research staff and regional and national public affairs staff in order to assist in media training for scientists and to ensure that DOR publicizes research that is of interest and of value to the public at large.

Lastly, research operations support include a Data Entry Department, a Medical Records Analyst Department, an Information Technology Department, a Library, as well as, a Strategic Programming Unit. The Data Entry Department consults on the design of research questionnaires and data collection forms for DOR investigators, as well as, for investigators throughout the Northern California region. The Medical Record Analyst Department provides data retrieval consulting services.

The Information Technology Department maintains over 700 computers and servers supporting the research needs of the DOR investigators. The Library maintains extensive access to hundreds of journals, as well as, performs database and internet searches. The Strategic Programming Unit develops new data sources and linkage strategies that cut across the needs of the division.

In Fiscal Year 2006 there were over 250 funded studies with extramural support totaling $49,293,843. The pie chart above illustrates the distribution of all funding at the Division of Research during calendar year 2006. It can be noted that in 1994, the Division’s portfolio stood at 9.4 million dollars. During the next 10 years, DOR’s portfolio grew by more than 400%. During the past five years the extramural portfolio has almost doubled. This increase is attributable to both growth in the number of and career maturation among DOR’s research scientists.

More than 50% of current projects represent multi-center studies in which data are collected within Kaiser Permanente and merged with those from at least one other site, in which DOR investigators collaborate with researchers based elsewhere. In addition, DOR maintains collaborations with numerous academic institutions across the country and internationally.
Annette E. Aalborg, DrPH
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Epidemiology), University of California, San Francisco, CA; MPH (Epidemiology), University of California, Berkeley, CA.

Research Interests: Reproductive epidemiology; infectious etiology of chronic disease; cancer epidemiology; biostatistical methods.

Gabriel J. Escobar, MD
Research Scientist, Division of Research, Staff Pediatrician, The Permanente Medical Group, Director, Division of Research Perinatal Research Unit, and Director of Systems Research Initiative, Kaiser Permanente, Northern California.

Education: MD (Medicine), Yale University, New Haven, CT; Residency (Pediatrics), University of California, San Francisco, CA; Health Services Research, Robert Wood Johnson Scholar, Stanford University, CA.

Research Interests: Perinatal health services research; informatics and electronic decision support; guideline development; critical care research; severity of illness scoring; outcome of high risk newborns; patient safety; human error; assessment of prenatal care.

Assiamira Ferrara, MD, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine), Residency (Internal Medicine) and Fellowship (Diabetology), Università degli Studi di Napoli Federico II, Italy; PhD (Pathophysioloogy of Vascular Disease), Università degli Studi di Napoli Federico II, Italy; Fellowship in University of California, San Diego, CA.

Research Interests: Epidemiology of diabetes; cardiovascular disease; obesity, hormones, gestational diabetes; menopause, early determinants of adult diseases.

Academic Affiliations: Affiliate Assistant Professor, Department of Epidemiology, University of Washington, WA.

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Bruce Fireman, MA
Biostatistician and Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MA (Sociology), Harvard University, Boston, MA.

Research Interests: Cost and outcomes of medical care; effectiveness and costs of chronic care and disease management programs; variations in the delivery and use of health services; vaccine efficacy and safety; patient participation in medical decisions.

Alan S. Go, MD
Research Scientist, Division of Research, Senior Physician, The Permanente Medical Group, Kaiser Permanente, Northern California, Oakland, CA.

Education: MD (Medicine), University of California, San Francisco, CA; Residency (Internal Medicine) and Fellowship (Clinical Research), University of California, San Francisco, CA.

Research Interests: Cardiovascular health service research and clinical epidemiology, atrial fibrillation and stoke prevention; chronic renal insufficiency and cardiovascular complications; genetic factors influencing risk of cardiovascular disease; management and outcomes of coronary disease and heart failure; electrocardiographic finding and outcomes in heart disease; race/ethnic variation in treatment and outcomes in cardiovascular disorders.

Academic Affiliations: Assistant Professor, Department of Epidemiology and Biostatistics, University of California, San Francisco, CA; Assistant Clinical Professor, Department of Medicine, University of California, San Francisco, CA; Volunteer Clinical Staff Preceptor, General Internal Medicine Section, San Francisco Veterans Administration Medical Center, San Francisco, CA.

Nancy P. Gordon, ScD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: ScD (Behavioral Sciences), Harvard School of Public Health, Boston, MA; MA (Counseling and Psychology), University of California, San Diego, CA.

Research Interests: Evaluation of health services, patient and provider education interventions to improve chronic disease management and/or risk factor reduction; member health surveys, including data about prevalence of chronic diseases and health risk factors; alternative therapy use among Kaiser Permanente members and primary care clinicians.

Elisabeth P. Gruskin, DrPH
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Research Interests: Lesbian, gay, bisexual health research; sexuality research; substance use; Samoan health.

Erika P. Gunderson, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Epidemiology), MPH (Public Health Nutrition), and MS (Nutritional Sciences), University of California, Berkeley, CA.

Research Interests: Epidemiology of obesity in young women; persistent effects of pregnancy on women’s health including adverse effects on risk factors for cardiovascular disease and development of Type 2 diabetes; gestational gain and behavioral factors related to postpartum weight retention; lactation and postpartum behaviors associated with development of Type 2 diabetes after pregnancy complicated by gestational diabetes; perinatal nutrition, obesity and pregnancy outcomes.

Academic Affiliations: Assistant Professor, Department of Epidemiology and Biostatistics, University of California, San Francisco, CA.

Enid M. Hunkeler, MA
Co-Associate Director, Health Care Effectiveness (Acting) (2004) and Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MA (Sociology), Harvard University, Boston, MA.

Research Interests: Cost and outcomes of medical care; effectiveness and costs of chronic care and disease management programs; variations in the delivery and use of health services; vaccine efficacy and safety; patient participation in medical decisions.

Carlos Iribarren, MD, MSc, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine), Universidad Complutense de Madrid, Spain; PhD (Preventive Medicine), University of Southern California, Los Angeles, CA; MSc (Public Health), University of Leeds, England.

Research Interests: Cardiovascular epidemiology; genetic determinants of psychopharmacology; elderly; children and adolescents; behavioral health; and hypertension. continued on next page
coronary heart disease; vascular calcification, psychosocial factors in coronary disease, smoking-related diseases, inflammation; endothelial function, congestive heart failure.

Academic Affiliations: Assistant Adjunct Professor, Department of Epidemiology and Biostatistics, University of California, San Francisco, CA.

Andrew J. Karter, PhD
Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Epidemiology) and MA (Ecology), University of California, Davis, CA.

Research Interests: Epidemiology of diabetes and its complications; race/ethnic, social class and socioeconomic disparities in health; pharmacoepidemiology; health services and epidemiologic methods.

Academic Affiliations: Affiliate Professor, Department of Epidemiology, School of Public Health & Community Health, Washington University, Faculty member, Robert Wood Johnson Foundation’s Health and Society Scholars Program.

Lawrence H. Kushi, ScD
Associate Director for Etiology and Prevention Research and Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: ScD (Nutrition), Harvard School of Public Health, Boston, MA.

Research Interests: Nutritional epidemiology, diet and nutrition in the etiology of coronary artery disease; diet and nutrition in the etiology and progression of breast and other cancers.

Theodore R. Levin, MD
Research Scientist, Division of Research and Staff Physician (Gastroenterology) and the Regional Director of Colorectal Cancer Screening, The Permanente Medical Group, Kaiser Permanente, Northern California.

Education: MD (Medicine), Emory University, Atlanta, GA; Residency (Internal Medicine) and Fellowship (Gastroenterology), University of California, San Francisco, CA; MS (Physiology), Georgetown University, Washington, DC.

Research Interests: Health services and outcomes research related to colorectal cancer screening in average risk populations and in patients with a positive family history of colorectal cancer; outcomes research related to gastroesophageal reflux disease and dyspepsia.

Academic Affiliations: Assistant Clinical Professor of Medicine, School of Medicine, University of California, San Francisco, CA.

De-Kun Li, MD, MPH, PhD
Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine) and MPH (Occupational Epidemiology), Shanghai Medical University, Shanghai, China; PhD (Epidemiology), Postdoctoral (Environmental and Molecular Epidemiology), University of Washington, Seattle, WA.

Research Interests: Reproductive, prenatal, and pediatric epidemiology; childhood diseases including cancer and neurological disorders; genetics and gene-environment interaction.

M. Michele Manos, PhD, MPH, DVM
Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Microbiology), SUNY- Stony Brook/Cold Spring Harbor Laboratory, New York; NY; MPH (Epidemiology), Johns Hopkins School of Public Health, Baltimore, MD; DVM (Livestock & Wildlife Medicine), University of California, Davis, CA.

Research Interests: Etiology and prevention of cervical cancer; utility of human papillomavirus; etiology and prevention of cervical cancer; utility of human papillomavirus testing; and other new technologies to improve Pap screening; molecular epidemiology of cancers; women’s reproductive health in minority populations; chronic liver disease.

Academic Affiliations: Associate Adjunct Professor, Department of Epidemiology and Biostatistics, University of California, San Francisco, CA.

Charles P. Quesenberry, Jr., PhD
Biostatistician and Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Biostatistics), University of California, Berkeley, CA.

Research Interests: Biostatistical methods; survival analysis; cost of disease.

Catherine Schaefer, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Epidemiology), MS (Epidemiology), University of California, Berkeley, CA; Postdoctoral (Psychiatric Epidemiology), Yale University, New Haven, CT.

Research Interests: Epidemiology of psychiatric and neurologic disorders; early antecedents of adult chronic disease; genetic epidemiology.

Joe V. Selby, MD, MPH
Director and Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine), Northwestern University, Chicago, IL; Residency (Family Medicine), Contra Costa County Hospital, Martinez, CA; MPH (Epidemiology) and Residency (Preventive Medicine), University of California, Berkeley, CA.

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JONATHAN PARKER painting hanging on the walls of DOR
Research Interests: Cardiovascular disease; women's health, including the relationship of oral contraceptives and hormone replacement therapy to cardiovascular disease, physical fitness and cardiovascular risk; obesity, health effects of marijuana use.

Academic Affiliations: Consultant, Department of Epidemiology, School of Public Health, University of California, Berkeley, CA.

Joe Terdiman, MD, PhD
Administrative Director for Information Technology and Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine), Johns Hopkins University, Baltimore, MD; MPH (Epidemiology), University of California, Los Angeles, CA.

Research Interests: Race/ethnicity and progression of HIV/AIDS; Complications of highly-active antiretroviral therapy (HAART); Older age and HAART response and tolerability, HAART use, cancer incidence and progression; Dyslipidemia, cardiovascular outcomes and HIV/AIDS, HIV.

Carol P. Somkin, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Sociology), Columbia University, New York, NY.

Research Interests: Breast cancer and cancer screening; clinical trials; race/ethnic, social class and socioeconomic disparities in health; multiracial interventions, cross cultural communication, health services research.

Academic Affiliations: Faculty member, Robert Wood Johnson Foundation's Health and Society Scholars Program.

Barbara Sternfeld, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Epidemiology), University of California, Berkeley, CA.

Research Interests: Epidemiology of benign genitourinary conditions, prostate and other cancers; environmental and occupational diseases; Parkinson's disease; amyotrophic lateral sclerosis, Restless Legs Syndrome; neuphropathy.

Academic Affiliations: Lecturer, Department of Health Research and Policy, Stanford University School of Medicine, Palo Alto, CA.

Stephen K. Van Den Eeden, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine), University of Washington, School of Public Health and Community Medicine, Seattle, WA; MS (Public Health and Occupational Health Nursing), University of Illinois, Chicago, IL.

Research Interests: Epidemiology of benign genitourinary conditions, prostate and other cancers; environmental and occupational diseases; Parkinson’s disease; amyotrophic lateral sclerosis, Restless Legs Syndrome; neuroepidemiology.

Academic Affiliations: Lecturer, Department of Health Research and Policy, Stanford University School of Medicine, Palo Alto, CA.

Stephen Sidney, MD, MPH
Associate Director for Clinical Research and Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine), Stanford University, Palo Alto, CA; Residency (Internal Medicine), Kaiser Permanente Medical Center, Santa Clara, CA; MPH (Epidemiology), University of California, Berkeley, CA.

Research Interests: Population management of diabetes and cardiovascular disease; evaluation of cancer screening tests; primary care enhancement; impact of cost-sharing.

Academic Affiliations: Lecturer, Department of Epidemiology and Biostatistics, University of California School of Medicine, San Francisco, CA; Consulting Professor, Health Research and Policy, Stanford University School of Medicine, Palo Alto, CA.

Carolyn Agans, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Epidemiology), University of California, Berkeley, CA.

Research Interests: Women’s health, including the relationship of oral contraceptives and hormone replacement therapy to cardiovascular disease, physical fitness and cardiovascular risk; obesity, health effects of marijuana use.

Academic Affiliations: Consultant, Department of Epidemiology, School of Public Health, University of California, Berkeley, CA.

Rachel Whitmer, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: PhD (Physiology and Bioengineering), University of Illinois Medical Center, Chicago, IL.

Research Interests: Medical informatics; technology assessment; cardiovascular epidemiology; cardiovascular and visual physiology.

Stephen K. Van Den Eeden, PhD
Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: MD (Medicine), New York University, New York, NY; PhD (Physiology and Bioengineering), University of Illinois Medical Center, Chicago, IL.

Research Interests: Epidemiology of benign genitourinary conditions, prostate and other cancers; environmental and occupational diseases; Parkinson’s disease; amyotrophic lateral sclerosis, Restless Legs Syndrome; neuroepidemiology.

Academic Affiliations: Lecturer, Department of Health Research and Policy, Stanford University School of Medicine, Palo Alto, CA.

Constance M. Weisner, DrPH, MSW
Senior Research Scientist, Division of Research, Kaiser Permanente, Northern California.

Education: DrPH (Public Health), University of California, Berkeley, CA; MSW (Social Work), University of Minnesota, Minneapolis, MN.

Research Interests: Drug and alcohol epidemiology; treatment outcomes and cost-effectiveness; access and utilization of behavioral health care.

Academic Affiliations: Professor, Department of Psychiatry, University of California, San Francisco, CA.

Robert Wood Johnson Foundation’s Health and Society Scholars Program.

Diabetes, glycemic control and risk of cognitive decline and dementia; modifiable risk factors of Alzheimer's Disease.

Education: PhD (Aging, Human Development), University of California, Davis, CA. Postdoctoral (Epidemiology), University of California, Berkeley, CA.

Research Interests: Dementia epidemiology, glycemic control and cognitive functioning, hormonal, inflammatory, and vascular predictors of cognitive decline and dementia, modifiable risk factors of Alzheimer’s Disease. Diabetes, glycemic control and risk of cognitive decline and Alzheimer’s disease, Obesity, Adipocytokines and Dementia, Midlife Predictors.

Academic Affiliations: Scholar, Building Interdisciplinary Research Careers in Women’s Health (BIRCHW) Program, Department of Epidemiology and Biostatistics, University of California, San Francisco, CA.
The individuals below are Division of Research (DOR) Adjunct Research Scientists. In this capacity, they work closely with DOR scientists to conduct their research.

James Allison, M.D., FAC, is a retired Permanente Medical Group gastroenterologist, and currently a Clinical Professor of Medicine at the University of California, San Francisco. In May 2004, Dr. Allison received a Distinguished Clinical Scientist Award for his research in Gastrointestinal Association. Dr. Allison is interested in a broad spectrum of gastrointestinal disorders, with a primary focus on screening for colorectal cancer and inflammatory bowel disease.

Lisa Barcellos, Ph.D., is an Assistant Professor of Epidemiology at the School of Public Health, University of California at Berkeley, and holds an additional faculty appointment in the Department of Neurology at the University of California, San Francisco. Dr. Barcellos' primary research interests are genetic epidemiology, immunology, and statistical analysis of complex genetic diseases, including systemic lupus erythematosus and rheumatoid arthritis.

Morris F. Collen, M.D., is a DOR Director Emeritus and currently retired from medical practice. Dr. Collen maintains an active role as a consultant to both DOR and Kaiser Permanente.

Mark Davock, M.D., Ph.D., is an Assistant Professor of Medicine at the University of California, San Francisco. Dr. Eisner's primary research interests include epidemiologic research in adult asthma and chronic obstructive pulmonary disease.

Bruce Ettinger, M.D., is a retired Permanente Medical Group endocrinologist and currently a Clinical Professor of Medicine and Radiology at the University of California, San Francisco. Dr. Ettinger's primary research interests include osteoporosis, hormones, menopause, pharmacoeconomics, and kidney stones and calculus metabolism.

Harold J. Farber, M.D., is a Permanente Medical Group pediatric pulmonologist and hospitalist at Kaiser Permanente Medical Center, Vallejo, California, and part of the clinical faculty and an Adjunct Clinical Assistant Professor at Touro University College of Osteopathic Medicine, Vallejo, California. Dr. Farber specializes in pediatric asthma research.

Gary Friedman, M.D., M.S., is a DOR Director Emeritus and a Consulting Professor at the Department of Health Research and Policy at Stanford University School of Medicine, Stanford, California. Dr. Friedman's research interests include the epidemiology of cancer, cardiovascular disease, gallbladder disease, the effects of alcohol, smoking, medicinal drugs, and the efficacy of screening tests.

David Gritz, M.D., MPH, is an Adjunct Research Scientist and a Permanente Medical Group ophthalmologist at Kaiser Permanente Medical Center, Oakland, California. Dr. Gritz is also an Assistant Clinical Professor at the Francis I. Proctor Foundation, Department of Ophthalmology, University of California, San Francisco. Dr. Gritz's research interests include uveitis, keratitis, and ophthalmology antibacterial therapies.

Mary N. Haan, M.P.H., Dr.P.H., is an Adjunct Research Scientist and an Associate Professor, Department of Epidemiology, School of Public Health, University of Michigan, Ann Arbor. Dr. Haan's primary research interests include alcohol, kidney, and ophthalmology and bacteriological diseases.

William Hargreaves, Ph.D., is a Professor of Medical Psychology, Department of Psychiatry, University of California, San Francisco. Dr. Hargreaves' research interests include schizophrenia and depression.

Robert A. Hilt, M.D., Ph.D., is a Senior Scientist for the national Kaiser Permanente Medical Care Program in Oakland, the Director of Population Science and Deputy Director of the UCSF Comprehensive Cancer Center. In addition, he is Professor of Epidemiology and Biostatistics at UCSF and a past President, American Society for Preventive Oncology. His primary research interests are cancer epidemiology and studies of cancer screening both in terms of effectiveness and efficiency and effectiveness in diverse community settings. In addition, Dr. Hilt has taken a leadership role in developing a national agenda for cancer prevention and control research initiatives in large-scale health care delivery settings, and in promoting the training of epidemiologists, centers for the study of population health and health disparities, and studies of the quality of cancer care.

S. Claiborne Johnston, M.D., MPH, Ph.D., is an Associate Professor in Neurology and Epidemiology in Residence and the Director of the University of California, San Francisco, Stroke Service. Dr. Johnston's research interests include transient ischemic attack evaluation and treatment, cerebral aneurysm and subarachnoid hemorrhage treatment, cognitive dysfunction and stroke risk factors, infection and stroke risk, and optimizing the prevention of stroke.

Jennifer Kelsey, Ph.D., is Professor of Health Research and Policy, Division of Epidemiology, Stanford University School of Medicine. Dr. Kelsey's primary research interests include birth defects, hip fracture, osteoporosis, and geriatrics.

Larry A. Klatsky, M.D., is a retired Permanente Medical Group cardiologist who maintains a Senior Consultant relationship with Cardiology at the Kaiser Permanente Medical Center in Oakland. Dr. Klatsky was also a 2004 recipient of the Morris F. Collen Permanente Medical Group Research Award. His primary research interests include alcohol and health, coffee and health, cardiovascular risk and disease in Asian American ethnic groups, and cardiovascular disease risk factors.

Nancy Krieger, Ph.D., is an Associate Professor of Sociology, Human Development, and Health, in the Department of Society, Human Development, and Health, as well as an Associate Director for the National Center for Society and Health, both of which are part of the Harvard School of Public Health, Boston, Massachusetts. Dr. Krieger's primary research interests focus on the social inequalities in health.

Vicky Liu, Ph.D., MPH, is an Associate Professor in the Department of Health Policy and Management, Harvard School of Public Health, Boston, Massachusetts. Dr. Liu's research interests include pediatric primary care delivery, including immunization and asthma and perinatal services, medical decision-making, and cost-effectiveness measures.

Caitrin Midanik, Ph.D., is an Associate Dean for Academic Affairs and a Professor at the School of Social Welfare, University of California, Berkeley. She is also an Affiliated Senior Scientist at the National Alcohol Research Center, Berkeley, California. Dr. Midanik's areas of research interest include research methodology, health services research, health behavior, alcohol and drug policy, and the evaluation of treatment interventions, employee assistance programs, retirement, and the development of government programs.

Charles Moore, M.D., MBA, MS, is a Medical Director of the Chemical Dependency Research Program, Department of Psychiatry, University of California, Sacramento, the Subregional Chief of Mental Health and Chemical Dependency Services, Kaiser Permanente Medical Care Program, Sacramento Valley Local Market, and he also maintains a small internal medicine practice in Carmichael, California. Dr. Moore's primary research interest is using advanced computational methods to determine the costs and benefits of medical and pharmaceutical treatment in Kaiser Permanente's integrated health care delivery system.

Corine Nelson, Ph.D., is an Associate Professor in the Division of Health Policy, Stanford University School of Medicine, Stanford, California. Dr. Nelson's primary research interests are neuropsychological assessment of mood disorders, Parkinson's disease, amyotrophic lateral sclerosis, autism disorders, and epidemiologic methods.

Nancy Newman, M.D., MPH, is Professor of Epidemiology and Biostatistics, Laboratory Medicine and Pediatrics Departments, Head, Clinical Epidemiology Program; and Chief, Division of Clinical Epidemiology, Department of Epidemiology and Biostatistics, at the University of San Francisco, California. Dr. Newman is also a Kroc Foundation Visiting Professor of Pediatrics at the St. Barnabas Hospital in the New York Bronx, and a temporary member of the Pediatric Advisory Subcommitte of the Anti-Infective Drugs Advisory Committee of the United States Food and Drug Administration. Dr. Newman is also an Assistant Clinical Professor at the Francis I. Proctor Foundation, Department of Ophthalmology, University of California, San Francisco, Department of Ophthalmology, School of Medicine, University of Utah, Salt Lake City. Dr. Stolley's primary research interests include evaluating distal and physical activity as they relate to cancer.

David Thom, M.D., MPH, is a Professor with the Department of Family and Community Medicine, School of Medicine, University of California, San Francisco. Dr. Thom's research interests include primary care issues, patient-physician interactions, filariasis pneumonia, and urinary incontinence.

Margaret Wrensch, M.D., Ph.D., is a Professor in the Department of Epidemiology and Biostatistics, and Interim Head, Cancer Epidemiology Division, School of Medicine, University of California, San Francisco. Dr. Wrensch's research interests include both cancer and the genetic and molecular epidemiology of adult gliomas.

Yvonne Wu, M.D., Ph.D., is the Director of the Clinical Research Program in Child Neurology and an Adjunct Assistant Professor in Neurology and Pediatrics, School of Medicine, University of California, San Francisco. Dr. Wu's research seeks to bridge the gap between obstetrics, neonatology, genetics, and child neurology.


Escobar GJ, Clark RH, Greene JD. Short-term outcomes of infants born at 35 and 36 weeks gestation: we need to ask more questions Semin Perinatol 2006 Feb;30(1):28-33.


total serum bilirubin levels of 25 mg per deciliter or more N Engl J Med 2006 May 25; 354 (22):1889-900.


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LINCOLN UNIVERSITY Oakland, California


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DOR at 3451 Piedmont Avenue, Oakland, California

PUBLICATIONS
Sixty years ago, when Kaiser Permanente began providing health care to shipyard workers, Sidney Garfield, a co-founder, wrote that the organization should always provide its own research since health services research is essential to providing and maintaining a high quality of patient care and services.

This 2006 Research Activities Report of the Kaiser Permanente Division of Research demonstrates that this goal of our founders is being fulfilled. The continuing growth and expansion of the Division of Research promises a rewarding future.

The high quality of research conducted by Kaiser Permanente has been acclaimed nationally as a model for prepaid group practices. The Division of Research has been applauded for its large and varied body of published research, for the research methods employed, for the research areas examined, and reported, and for the effects of its research on medical practice.
THE DIVISION OF RESEARCH conducts, publishes, and disseminates high-quality epidemiologic and health services research to improve the health and medical care of Kaiser Permanente members and the society at large. It seeks to understand the determinants of illness and well-being and to improve the quality and cost-effectiveness of health care. To accomplish these goals, the Division of Research is committed to providing a supportive research environment that fosters independent thinking, creativity, continued learning and adherence to the highest scientific standards.

THE DIVISION OF RESEARCH 2000 Broadway, Oakland, California 94612