



University of California, Davis
Center for Healthcare Policy and Research

2007 – 2008 Annual Report

Klea Bertakis, MD, MPH
Director
Professor and Chair Department of Family and Community
Medicine

Joy Melnikow, MD, MPH
Associate Director
Professor Department of Family and Community Medicine

Debora A. Paterniti, PhD
Deputy Director
Assistant Adjunct Professor Department of Internal Medicine

University of California Davis
Center for Health Services Research in Primary Care

ANNUAL REPORT
2007-2008

The University of California Davis Center for Health Services Research in Primary Care has now completed fourteen years of ongoing growth and development. The Center has developed a solid organizational and research base. Development of research and educational activities has been recognized and acknowledged within the University of California research community and externally. Careful self-analysis and development of our organizational structure continued throughout the 2007-2008 academic year. This annual report will provide an overview of the activities and accomplishments of the past year and highlight the Center's future goals.

I. Activities and Accomplishments of Current Academic Year

A. Administrative and Organizational Development

Center Leadership

During this reporting period, the Center welcomed back its Founding Director, Dr. Klea Bertakis, as the Center Director. She was assisted by Joy Melnikow, MD, MPH (Associate Director), Debora Paterniti, PhD (Deputy Director), Patrick Romano, MD, MPH (Education and Training Director), and Wilhelmina Cottman (Operations Manager).

Reporting Relationships

Dr. Bertakis reported to Dr. Claire Pomeroy, Dean of the School of Medicine, concerning day-to-day administrative affairs. Dr. Bertakis continues to report to Vice Chancellor for Research Barry Klein (through Associate Vice Chancellor Bernd Hamann) for long-term programmatic affairs.

Center Space

The Center remains in the Grange Building which has allowed for consolidation of Center resources and more efficient performance as a Research Center. We continue to face space constraints at the Grange Building. We continue to lease additional office and cubicle space at 3823 V Street, Sacramento (Grange I). Additional office space was leased on American River drive, for one year, to meet the needs of a large 1 year project.

While the current building space is adequate and meets the needs of the research and administrative staff, future grant funding success brings expectations of growth and the addition of new staff and faculty. As we expand our research capability, we anticipate the need for additional space in 2008-2009. The Grange is an older building that is somewhat distant from the Center's core constituencies on the Sacramento campus. The additional sites have recreated an earlier problem of lack of consolidation, sometimes hindering efficient project management.

During the next few years, Center leadership hopes to work with UCDHS and campus administration to identify a larger, more attractive home that will allow the Center to continue to fulfill its research and training missions and perhaps occupy its staff in more contiguous space than current arrangements.

Computing Resources

Center Computing Mission Statement

Over the past year, the Center has made considerable improvements in its computing and information-technology operation capabilities. Upgrades have been made across the board include: increased average workstation processing power, more rational and efficient network management and security measures, implementation of remote office-access capabilities previously unexplored, a completely reconstructed website, and the acquisition of state-of-the-art teleconferencing capabilities.

All of the technological developments we have made over the past year have been with our focused intent on the following enhancements: improved interdepartmental as well as public relations, increased data security, maximal processing power, efficient and user-friendly remote access capabilities, separation of individual data from community data and guaranteed up-to-the-minute data backups. These primary considerations will continue to steer our direction.

Oversight and Management

Ben Timmons continues to be our immediate network administrator and computer systems support provider. Physical network data storage and backup is provided by Dan Cotton and his allied School of Medicine IT staff. Access to any computer system located on our physical plants or within our network is regulated by means of secure login and password authentication assigned and controlled by the network administrator from within a Windows Active Directory console.

Standard Workstation Configuration

All CHPR computers are Microsoft Windows-based and have some version of Microsoft Office 2003 SP 3 or Office 2007 SP1, 2 GB RAM, 80 Gb Hard Disk, INTEL Core Duo or Pentium D processor 1.8 Ghz speed or higher.

Data Access Management

The level of security assigned to local and network computing resources is determined by a balanced consideration of published UC Davis & UC Davis Health System security policies, HIPAA guidelines and the informed prudence of CHPR Network Resource Administrator Ben Timmons, Center Director Klea Bertakis MD, MPH , UCDSOM Domain Administrator Dan

Cotton and Operations Manager Wilhelmina Cottman. We are in compliance with UC Davis Cyber Safety Regulation.

Physical Resource Security

In addition to employing active directory mapping and resource access security to maintain network security, we ensure that all Windows-based computers (which all of our computers currently are) are locally protected by use of IPsec security policies that block external access to the computers. We are “doubly-secured,” falling under the protection of both the Medical Center’s physical firewall protection and the School of Medicine’s logical (Active Directory IPsec policy assigned) firewall protection. All workstations have physically secured with a computer lock for theft prevention.

Interdepartmental Data Management: Maximizing Resources without Security Degradation

The Center’s network-based data is hosted, secured and backed-up by ISMED/UCDSOM domain administrators (located in Tupper Hall on the UCD Campus). Ben Timmons is responsible for organizing and delegating access to all data and storage space on the CHPR-allocated portion of the UCDSOM data server, using Windows Active Directory for account management and workstation administration.

While network data is stored on servers in the UCDSOM domain (physically located in Tupper Hall), all of the software-programs we run at the Center are physically installed on – and accessed from – local CHPR workstations (with the exception of Citrix-based applications, which are hosted by the Health System). Data files containing personal or sensitive information, including information on patients, study participants and employees are kept in secure “private” sections of the network drive – accessible only to the file’s creators and legitimate viewers.

Software Purchasing and Licensing

All software installed and/or used on Center workstations has been properly licensed to the individual systems on which they reside (and to specific individual licensed user(s) when necessary). All center Windows and Office installations are licensed through the UC Davis Microsoft Consolidated Campus Agreement which we purchase annually through TRC. We also maintain several licenses for other software including, but not limited to Stata, SAS, Microsoft Visio and Endnote. All staff members have two email sources, Lotus Notes and a campus email to ensure their ability to communicate with faculty and project staff in the event of an interruption of campus email service.

Virus Protection

All workstations at the Center are protected through McAfee Virus Scan Enterprise 8.0. The policies and virus updates are managed by the Network Associates ePolicy Orchestrator Agent provided and controlled by UCDHS-IS. This scheme has been effective in protecting us against viral and malicious code.

Center Faculty

Current membership has increased to 89. Our new members this year are: Natalia Deeb-Sossa, PhD Assistant Professor, Department of Sociology; Ming-cheng Lo, Associate Professor, Department of Sociology; Daniel J. Tancredi, PhD, Assistant Professor in Residence, Department of Pediatrics; Saskia E. Drösler, MD, Visiting Professor, Professor of Medical Controlling and Medical Computer Science Niederrhein University of Applied Sciences, Krefeld, Germany; Tonya Fancher, MD, MPH, Assistant Professor, Associate Program Director, Department of Internal Medicine; Bo Feng, PhD, Assistant Professor, Department of Communication; Zhongmin Li, PhD, Adjunct Assistant Professor, Department of Internal Medicine; Jeffrey Sherman, PhD, Professor, Department of Psychology; Laramie Taylor, PhD, Assistant Professor, Department of Communication; Elisa Tong, MD, MA, Assistant Professor, Department of Internal Medicine; Shagufta Yasmeen, MD, MRCOG, Assistant Professor, Department of Obstetrics and Gynecology; Joshua Breslau, Ph.D., Sc.D., Assistant Professor In-Residence, Department of Internal Medicine; Erik Fernandez y Garcia, M.D., M.P.H., Assistant Professor, Department of Pediatrics.

Members include School of Medicine faculty, faculty from other UCD campus schools and departments, and several organizations outside the University of California, Davis, including Kaiser and several State of California health agencies. The current mix of Center faculty is 41 (46%) from the School of Medicine and 48 (54%) from non-School of Medicine appointments. A list of faculty members is appended in Appendix 1.

Executive Committee

The Executive Committee continues to provide guidance to the Director on the long-term development of the Center, as well as providing operational guidance, determining the allocation of Center resources, and reviewing and approving faculty membership applications.

The 2007-2008 Executive Committee included the following members:

Klea D. Bertakis, MD, MPH
Center Director and Professor and Chair, Family and Community Medicine

Joy Melnikow, MD, MPH
Center Associate Directors, Professor Family and Community Medicine

Debora A. Paterniti, PhD
Center Deputy Director and Assistant Adjunct Professor, Internal Medicine,
Assistant Adjunct Professor, Sociology

Richard L. Kravitz, MD, MSPH
Professor, Internal Medicine

Adela de la Torre, PhD

Professor and Director, Chicana/o Studies

Anthony Jerant, MD
Associate Professor, Family and Community Medicine

Peter Franks, MD
Core Center Faculty and Professor, Family and Community Medicine

Don Hilty MD
Professor, Psychiatry

Paul Leigh, PhD
Core Center Faculty and Professor, Epidemiology and Preventive Medicine

John Robbins, MD, MHS
Professor, Internal Medicine

Patrick Romano, MD, MPH
Core Center Faculty and Associate Professor, Internal Medicine and Pediatrics

Advisory Board

The purpose of the Advisory Board is to provide CHPR leadership with advice on the direction of its programs. The Board consists of leading community members, state health policymakers, and an emeritus dean. The Board did not meet as a group during the 2007 - 2008 academic year; however, individual board members were tapped for their expertise on a variety of Center-related matters, including issues related to programmatic direction and topic selection and assistance in planning the next Center-sponsored Health Policy conference to be held in the near future. A list of current Board members is provided in Appendix 2.

Administrative Support

CHPR Leadership

With recruitment of an ever-larger and more experienced staff, CHPR's internal management structure has been periodically reorganized and now depends on a team approach. Responsibility for executing CHPR's mission rests with a Director (Klea Bertakis, MD, MPH), an Associate Director (Joy Melnikow, MD, MPH) a Deputy Director (Debora Paterniti, PhD), an Assistant Director for Education and Training (Patrick Romano, MD, MPH), and an Operations Manager (Wilhelmina Cottman). In addition, CHPR employs a financial team of one .75% time Financial Manager, one full-time Financial Assistant, and one full-time Grants Development Officer.

Project Management

Once a project has been funded, CHPR makes available to faculty a number of research support services. A team of experienced *Project Managers* provides expertise in optimizing project resources, supervising research staff, and preparing research reports. *Research Assistants* at the undergraduate, graduate, and post-doctoral levels perform a variety of duties including, formatting of surveys, conduct telephone surveys, code interactional and qualitative data, assist with data entry and preliminary statistical analysis, and perform library searches. *Statistical Analysts* perform data management and analysis of health data. *Nurse Research Coordinators* assist with project management, instrument design, data collection and analysis of clinical data obtained from inpatient and outpatient medical records.

B. Outreach Activities

Intramural Outreach

In line with CHPR's commitment to facilitate interdisciplinary research on the Davis campus, CHPR faculty and staff provide mentorship to junior faculty and post-doctoral fellows whose interests and research fall under the umbrella of health services research. In addition, CHPR has continued its efforts to introduce faculty in the statistical and social sciences to the excitement of multidisciplinary applied health care research.

On March 25, 2008, the Center for Healthcare Policy and Research (CHPR), the Clinical and Translational Science Center (CTSC) and the Center for Reducing Health Disparities (CRHD) jointly hosted a research symposium entitled "Bridging the Causeway:

A Center for Healthcare Policy and Research Symposium." The event was held at the UC Davis Memorial Union on the campus in Davis.

A pilot grant program for collaborative, interdisciplinary proposals was announced, and three key research areas--obesity, cancer and mental health--were explored in breakout groups led by researchers with interests in each field.

John M. Westfall, M.D., associate dean for rural health at the University of Colorado, Denver, School of Medicine, delivered the plenary address, entitled "Mystery of the Blue Highway: Engaging Community in Research."

Dr. Melnikow, CHPR Associate Director, announced that up to seven pilot grants of up to \$10,000 each, jointly sponsored by the CTSC, the CHPR, and the Office of Research, will be awarded for collaborative research projects. A total of six projects were awarded, 3 awards to UCDMC Researchers and 3 awards were made to University of Davis campus researchers. These projects are operational and CHPR is excited about publishing their respective outcomes in the next annual report.

**UC Davis Center for Healthcare Policy and Research (CHPR) and Clinical and
Translational Science Center (CTSC)
2008 Collaborative Pilot Grants - Funded**

PI	Title
Deeb-Sossa, Natalia	Migrant agricultural workers' mental health needs and barriers to care: a pilot study
Feng, Bo	What should doctors say when giving prescriptions? The use of persuasive strategies in medical recommendations
Minzenberg, Michael	Social attachment and neurocognitive function as predictors of parental dysfunction in at-risk mothers
Rich, Ben	Designing sustainable educational materials for community-based programs
Shaikh, Ulfat	Validation of a parent exit interview survey to assess physician counseling on diet and physical activity during pediatric well child visits
Zidenberg-Cherr, Sheri	Validating methods for assessing vitamin D status in different ancestry groups

Extramural Outreach

CHPR continues to function as a resource for the Sacramento region and is involved in a number of local, state and national activities. For example, Dr. Melnikow has assembled a coalition to address cancer prevention in Latinos; and Dr. Paterniti is the 2005-2007 Secretary/Treasurer for the Medical Sociology Section of the *American Sociological Association*, and serves on the editorial board of *HEALTH: An Interdisciplinary Journal for the Study of Health, Illness, and Medicine*.

C. Research Proposal Development

As a research center, one of our core activities is providing faculty with assistance in the development and submission of extramural research proposals. Proposals generally fall into three major categories: program project proposals, junior faculty initiated proposals and senior faculty proposals. While program-project proposals impose the greatest demand on resources, a successful proposal will provide additional opportunities to enhance multidisciplinary collaboration. Another major focal point is supporting the efforts of junior faculty members to develop their own areas of research. Particular emphasis is placed on development of proposals to initiate pilot projects as well as full research programs. The center has grants development team; comprised of Center administrative and financial staff who available to assist senior faculty with budget preparation, template sections, and to facilitate and ensure compliance with various submission guidelines and forms. Over time, CHPR has gradually shifted its focus from support of smaller pilot and “starter” proposals to larger multi-year federal grants. Nevertheless, we anticipate continued involvement with a variety of funding sources (federal, state, foundation and other organizations) on projects of varied scope. Appendix 3 summarizes these and other proposals and indicates their funding status at the time of this report.

D. Active Research Projects 2007-2008

Title:	A Culturally Targeted Approach to Medication Adherence among Southeast Asians
Principal Investigator:	Tonya L. Fancher
Grant/Contract Number:	
Source of Support:	UCD Health Systems
Approved/Proposed Dates:	7/1/2005-06/30/09
Total Costs:	\$75,000

The specific aims are to use qualitative methods to develop and refine a culturally targeted psychosocial intervention to improve adherence with antidepressant medication among Vietnamese patients. Over the past year, we have conducted five interviews with key informants from the local Vietnamese community. The informants included a professor, a clinical psychologist, a mental health specialist, a job placement specialist, and a community health program specialist. One patient with depression was interviewed. Lastly, a focus group with five Vietnamese participants, four males and one female, were conducted at a local community center (Boat People S.O.S.). Attempts were made to recruit participants for the Intervention phase of our project; the attempts were all unsuccessful. Furthermore, the transcripts from the interviews and focus group are currently being analyzed. For the second phase of the project, we plan to recruit participants from the Vietnamese Catholic Martyrs Church in Sacramento, distribute culturally sensitive flyers about depression, and screen for depression.

Title:	Patient Coaching for Care of Cancer Pain
Principal Investigator:	Richard Kravitz, MD, MSPH
Grant/Contract Number:	KRPRACS
Source of Support:	American Cancer Society
Approved/Proposed Dates:	01/01/2006-12/31/2009
Total Costs:	\$1,531,562

An estimate of 90% of patients with cancer experience at least moderate pain at some point in their illness, and 42% of patients do not receive adequate palliation. The main objective of this research is to reduce barriers to pain control by creating more effective partnerships between patients and their health care providers. The aims of the study are: 1) to compare the effects on pain, cancer-related symptoms, and health-related quality of life of a standard cancer pain educational leaflet versus face-to-face, tailored education and coaching; 2) to estimate the effect of tailored education and coaching on patients' self-confidence for managing their pain and participating actively in care; and 3) to examine the mechanisms underlying the beneficial effects of the intervention. The proposed model will enhance research on pain management in that it is a pilot-tested intervention that is applicable in the outpatient setting, based on Social Cognitive Theory, and focused on patient activation and education.

Title:	Costs of Occupational Injury and Illness
Principal Investigator	J. Paul Leigh, PhD
Grant/Contract Number	RO1 OH008248
Source of Support	National Institute for Occupational Safety and Health
Approved/Proposed Dates:	06/01/05 – 05/31/10
Total Costs	\$644,813

We will estimate the national costs of occupational injury and illness. Costs will be estimated in: 1) specific economic categories of direct (medical, administrative) and indirect (lost earnings, fringe benefits, home production, employer costs); 2) demographic categories involving gender, race, ethnic, and age groups; 3) fatal diseases such as asthma, COPD, pneumoconiosis, bladder cancer, lung cancer, and coronary heart disease, renal disease; 4) non-fatal diseases such as dermatitis, carpal tunnel syndrome, hernia, poisoning, sprains and strains; 5) injuries such as amputations, burns, concussion, electric shock, fracture. Finally, we will conduct an extensive sensitivity analysis to determine how our estimates vary as key assumptions are altered.

Disease cost for fatal diseases will be estimated by aggregating and cross-classifying the National Hospital Discharge Survey, the Ambulatory Care Visits Survey, the Hospital Inpatient Statistics Reports, National Healthcare Expenditures Reports, and Vital and Health. We will use the prevalence-based approach. We will assign population-attributable risk percents (PAR%) based upon numerous studies that estimate the contribution of occupational exposures to the development of 16 fatal diseases. Costs of fatal occupational injuries will be estimated with the NIOSH/Biddle model, which will use medical cost data and a present value equation to estimate indirect costs. Non-fatal injury and illness estimates will combine data and models from many sources and use the “incidence” method. The BLS Annual Survey estimate of non-fatal injuries and illnesses will be adjusted to reflect the omissions of government workers and the self-employed as well as estimates of over- and under-reporting of injuries.

Data from the NCCI will be combined with Annual Survey data to estimate numbers of injuries and illnesses in the WC categories of cases: medical only, temporary partial and total disability, permanent partial disability, and permanent total disability. NCCI data on medical costs per case of injury or illness will be combined with modified Annual Survey data to estimate total medical costs. NCCI data on WC indemnity data, published statistics on wage-replacement rates and Annual Survey data to estimate lost earnings, lost fringe benefits and lost home production.

Title:	Surveillance Strategies Following Treatment for CIN
Principal Investigator:	Joy Melnikow, MD MPH
Grant/Contract Number:	1 R01 CA109142
Source of Support:	NIH/NCI
Approved/Proposed Dates:	6/1/05-4/30/09
Total Costs:	\$872,747

Though now less common in developed countries than previously, in 2003 cervical cancer is projected to result in 12,200 new cases and 4,100 deaths in the United States. These relatively low rates are attributed to the success of cervical cancer screening and treatment of cervical

intraepithelial neoplasia (CIN). To reduce further the incidence and mortality of cervical cancer in developed countries while avoiding unnecessary procedures and conserving resources is a challenge that confronts clinicians and health policy makers. The recent move away from recommending lifelong annual cervical cancer screening towards consistent screening every two to three years is one example of an effort to meet this challenge. Recent estimates for the US indicate that more than one million women are diagnosed with low-grade neoplasia (CIN I) annually, and that about 500,000 women will have higher-grade lesions (CIN 2 or CIN 3). Follow-up strategies must strike a balance between finding and treating persistent or recurrent lesions and potential overuse of procedures and resources. The recent publication of the findings from the ALTS trial has led to recommendations for the management and follow-up of CIN. These recommendations include follow-up after treatment at 4 to 6 month intervals until three negative cytology results are obtained, followed by annual screening. The duration of annual screening remains unspecified, however, and the long-term risk and time patterns of recurrence of CIN or invasive cancer after treatment remain unclear. The relative cost-effectiveness of these recommendations has not been evaluated. Given the large number of women diagnosed with CIN every year, over time a substantial number of women will be assigned to long-term annual cytology for post-treatment surveillance.

Our study will examine the long-term risks of recurrent CIN and changes in risk over time in a cohort drawn from a comprehensive, population-based dataset. Based on these data and previous work, we will conduct a cost-effectiveness analysis to compare strategies for long-term follow-up of women who have undergone evaluation and treatment of CIN. Data from the cohort study and a systematic review of the literature will be used for recurrence risks, costs will be estimated by coding of clinical pathways, and utilities obtained from diverse populations will be applied to a previously validated Markov model. Alternative strategies for post-treatment surveillance will be evaluated.

Title:	Breast Cancer Experience of Slavic Women
Principal Investigator	Debora A. Paterniti, PhD
Grant/Contract Number:	12AB-3300
Source of Support:	UC CA Breast Cancer Research Program
Approved/Proposed Dates:	07/01/06-03/31/08
Total Costs:	\$167,359

The purpose of this project is to understand, *How do Slavic immigrant women come to understand breast health and breast cancer (i.e., what is their lived experience)? How do Slavic women conceive of (breast) health?; What is their perceived susceptibility to breast cancer?; what drives health seeking behaviors?* In addition to these focuses, additional information that is being studied is what type of social networks/family structures are these woman associated with? How do they come to understand breast cancer screening and disease? What do they view as the benefits and barriers to health seeking behaviors related to breast care/health care? How important is breast health/breast cancer screening? These questions will be part of the questions that guide our qualitative pilot project. The specific aims include an 18-month, qualitative pilot project with the Slavic community of Sacramento and Yolo counties that will involve the use of

qualitative focus group methods to characterize Slavic women’s current perceptions and understandings of breast health and barriers to care and care seeking; and to use these understandings to design and qualitatively (through focus group interviews) assess the acceptability of a health educator program by and for Slavic women.

Title:	Agency for Healthcare Research and Quality (AHRQ) Support for Quality Indicators
Principal Investigator:	Patrick S Romano, M.D., M.P.H.
Grant/Contract Number:	290-04-0020
Source of Support:	Battelle Memorial Institute/AHRQ
Approved/Proposed Dates:	10/01/04-09/30/09
Total Costs:	\$1,169,085

The objectives of this project are to: 1) translate research into practice by providing technical assistance to users of the AHRQ Quality Indicators (QIs); 2) annually update, refine, and develop additional literature-based QIs based on administrative data; 3) evaluate the suitability of the QIs for public reporting by conducting and publishing validation studies based on linked data sets and medical record abstraction; and 4) provide administrative and management support to AHRQ in disseminating information, conducting workshops, and demonstrating and improving the value of the QIs.

Role: Principal investigator, subcontract to Battelle Memorial Institute

Title:	Quality Measures Evaluation Project
Principal Investigator:	Patrick S Romano, M.D., M.P.H.
Grant/Contract Number:	05MC-1A016
Source of Support:	State of California Dept. of Managed Health Care Office of the Patient Advocate
Approved/Proposed Dates:	06/01/06-04/30/09
Total Costs:	\$225,399

The objectives of this project are to conduct exploratory analyses of OPA data sets, to identify and analyze data elements in Quality Compass for potential inclusion in the California Quality of Care Report Card, and to develop recommendations for OPA regarding future activities in performance reporting.

Role: Principal investigator

E. Education and Training Activities

Seminar Series

CHPR sponsors a weekly seminar series for all interested faculty, staff and students. The goal of the weekly Seminars is to enhance the intellectual environment for health services research at UC Davis and to help faculty and trainees develop the skills to conduct first-class health services

research projects. Continuing Medical Education credit is available to practicing physicians; graduate students in Epidemiology can earn 1 unit of course credit for each quarter of regular attendance. Appendix 4 provides titles of the Seminar Series from visiting presenters and UCD faculty and staff presenters for 2007-2008.

Primary Care Outcomes Research Fellowship Program (PCOR)

The mission of PCOR is to prepare primary care physicians for careers as outstanding clinical investigators and primary care educators, especially in California's underserved communities. With start-up funds from the Dean of the SOM and participation from the Departments of Internal Medicine, Family Medicine, and Pediatrics, CHPR launched this unique, interdisciplinary research training fellowship in July 2002 and received a three-year federal award in 2003. The PCOR program continues to flourish through additional support and internal development. Through training in the clinical, statistical, and social sciences, PCOR fellows will make scholarly contributions in clinical epidemiology, health services research, and health policy, addressing issues of access, quality, efficiency and equity. Ultimately the goal is to have graduating fellows educate the next generation of primary care physicians and serve as role models and advocates in caring for culturally diverse, underserved populations as well as leaders in academic medicine and government. PCOR Fellows' affiliate departments and research interests as well as PCOR training seminar classes for 2007- 2008 are provided in **Appendix 5** and **Appendix 6**, respectively.

Academic Instruction

CHPR faculty have cooperated with the School of Medicine, the Graduate Group in Epidemiology, the Division of Social Sciences, and the Program in Public Health to teach undergraduate and graduate courses in health economics (Leigh), epidemiology (Kravitz, Paterniti, Romano, Hodge), sociology (Paterniti), and health administration (Leigh, Troidl), as well as provide mentoring and serve on dissertation committees. A list of graduate students and undergraduates who have participated as interns or research assistants on CHPR projects during 2007-2008 is documented in **Appendix 7**.

F. Publications

Appendix 8 represents the scope of our faculty's publications in health services research. They demonstrate the multidisciplinary nature of our research with representative publications from all areas of expertise.

G. Translational Research

The CHPR, under the leadership of Dr. Bertakis continues to be involved in translational research.

A Brief Tutorial on T2 Translation and Implementation Science

Improvements in health and health care depend not only on new scientific discoveries ("doing

better things”) but also applying what is known with high fidelity, in real clinical settings (“doing things better”). Substantial evidence suggests that quality of care in the United States is far from optimal; on average, patients receive about 55% of services supported by clinical trials and recommended by experts. Moreover, quality is unevenly distributed, so that the likelihood of receiving effective services, safely delivered, varies as a function of insurance, income, education, race, ethnicity, disability, and most importantly -- geography. Getting *more* services is not necessarily better, as studies show that the adjusted per capita health care expenditures are about twice as high in New Jersey than in Hawaii, with no gains in outcomes. It’s a matter of getting the right services, rightly delivered, at the right time.

In one view translational research exists along a continuum from laboratory studies to policy research.

Bench Research	T1 Translational Research Clinical Science	Clinical Trials	T2 Translational Research Implementation Science	Health Policy
-------------------	--	--------------------	---	------------------

T2 translational research, also termed “implementation science” is all about getting evidence-based interventions into practice. Community based participatory research is a means to connect researchers (who develop solutions) with clients (who ultimately implement them). The movement is a welcome development insofar as the results of research are more likely to be applied by those who have a stake in the research. Nevertheless, “communities” are just one of the health care actors who are critical to implementing evidence based practices. The other **key actors** are hospitals, physicians, other health care professionals and workers, patients, and families. T2 is about applying social science principles (especially cognitive and social psychology, sociology, and economics) to shape the behavior of health care organizations, providers, and patients.

Examples and Continuing CHPR/PC T2 Translational Successes during 2007-2008

Local

- Richard Pan and Debora Paterniti implemented a community-based child advocacy block rotation for UCDMC pediatric residents and evaluated its effect on residents and on the community.
- CHPR/PC has trained scores of UCD undergraduates and medical students in applying health services research techniques in the community.

State

- CHPR/PC also works closely with the State OPA (Office of the Patient Advocate). Current projects involve improving the delivery of information to consumers so they can choose health plans based on quality as well as price.

- CHPR/PC represents UC Davis on the UCOP-sponsored CHBRP (California Health Benefits Review Program), which performs rapid-turnaround evidence-based reviews of proposed legislative health coverage mandates.
- The Center has sponsored two consecutive annual conferences relevant to state health policy. Under the theme “From Research to Policy,” the first conference focused on emergency care and the second on mental health disparities. Both conferences were well attended by legislative staff and community activists.
- The ELSI Genetics Project and End-of-Life Project are developing computer based curricula for medical students and residents statewide (M. Wilkes, PI).

National

- Under Dr. Romano’s leadership, CHPR/PC has been heavily involved in developing a toolbox of quality measures for the US Agency for Health Care Quality and Research (AHRQ) and for the National Quality Foundation (NQF).
- Multiple projects using large national datasets have provided insights into the genesis of racial/ethnic health disparities and suggested possible solutions (P. Franks with J. Melnikow, P. Leigh and others).

II. Summary of Progress and Future Plans

CHBRP

The UC Davis Center for Healthcare Policy and Research (the Center) partners with sister UC campuses throughout the state to inform the California State Legislature of evidence-based impacts of proposed health benefit mandates. The California Health Benefits Review Program (CHBRP), a legislatively mandated program established in 2002, is administered through the UC Office of the President and provides medical, financial, and public health impact analyses of health insurance benefit mandates and repeals proposed by the state legislature. Each report summarizes scientific evidence relevant to the proposed mandate but does not make recommendations, instead deferring policy decision-making to the Legislature. CHBRP staff support the Task Force faculty and researchers from UC campuses, Loma Linda University, University of Southern California, and Stanford University as well as actuarial consultants and a National Advisory Council (composed of experts from outside of California with an interest in health insurance benefit mandates) which reviews draft reports for quality and accuracy before they are submitted to the Legislature.

This year, the Center received a request to produce a medical effectiveness analysis on a breast cancer mandate (AB 2234) and a public health analysis on an HIV Screening mandate (AB 1894). The Center teams, composed of Richard Kravitz, M.D., M.S.P.H., Joy Melnikow, M.D., M.P.H., Stephen McCurdy, M.D., M.P.H., Dominique Ritley, M.P.H., and Banafsheh Sadeghi, M.D., Ph.D., collaborated with their colleagues at UCLA, UCSF, UC Berkeley and the CHBRP staff. Through multiple conference calls (February through April), the three analytic teams, CHBRP staff, a medical librarian, an actuarial consultant, and a content expert hashed out the bill’s intent and report assumptions, summarized literature reviews, and discussed cost modeling.

Future initiatives include further development of CHPR's capacity to perform high quality, rapid turn-around, policy-relevant health care research for clients within the California state government, and continuing to attract and maintain a growing portfolio of state-sponsored grants and contracts that could lead to one or more long-term agreements.

Proposed Initiatives

During this period the Center is focusing on conducting a national search for a new center Director.

In the Center's five-year plan, two sets of new initiatives were proposed. They were aimed at achieving two of CHPR's strategic goals established during CHPR's Strategic Planning Retreat on January 8, 2003. These strategic goals are: 1. to engage additional social, behavioral, and managerial scientists in health services research, and 2. to integrate CHPR's programs more effectively with the strategic plan of the UC Davis Health System.

Progress on Strategic Goal 1: Engage additional social, behavioral, and managerial scientists in health services research.

Collaboration with campus social science faculty: The performance of high-quality health services research depends on involvement of multiple disciplines, including the clinical, statistical, and social sciences. CHPR has been extremely successful in fostering interaction among faculty *within* the School of Medicine, but we lack a solid history of involvement with social scientists from the UC Davis campus. Under CHPR auspices, SOM faculties have enjoyed highly productive interactions with faculty from the departments of Communication, Economics, and Graduate School of Management, among others. Yet, more needs to be done to alleviate bottlenecks, obstacles, and disincentives that currently dissuade campus faculty from participating in collaborative ventures with CHPR. We continue to seek the talent of faculty from the social sciences and humanities on the UC Davis campus. Faculty in political science, statistics, and sociology have been identified and targeted for potential Center membership and participation in Center-related grants and affairs. Identification of specific incentives for faculty participation is necessary. One significant and successful accomplishment in this area was the "Bridging the Causeway" Conference.

Progress on Strategic Goal 2: More effectively integrate CHPR's programs with relevant University strategic plans.

Establish a Program in Health Communication within CHPR. One of the *Bridging the Causeway* Pilot Grants was awarded to new Center faculty member Bo Feng, for a research project entitled "What Should Doctors Say When Giving Prescriptions?: The use of Persuasive Strategies in Medical Recommendations." This study aims to perform a descriptive analysis of doctors' use (and nonuse) of persuasive strategies pertaining to the four dimensions of medical recommendations—problem seriousness, treatment effectiveness, patient's self-efficacy, limitations with the recommended treatment. A second aim is to compare the outcomes (in terms

of patient intention to comply with recommendations and satisfaction with clinical visit) of addressing the four dimensions of medical recommendations.

UCD has a strong core of faculty interested in health communication, including CHPR members Drs. Kravitz, Melnikow, Meyers, Bell, Paterniti, Callahan, Bertakis, Lara, Jerant, Alcalay, García, and Wilkes. These faculty members are doing cutting-edge work in cancer communication, patient-centered care, social marketing, and media outreach. At this time, initiatives to establish a Health Communication Program, as described in the 2003-2004 five-year report, have not been fully developed. However, acknowledgement of the number of faculty with an interest in communication has not only led to further collaboration on projects and grant proposals emphasizing improved communication and literacy as outcomes but also a heightened awareness of faculty expertise and strength in this area. Future Center initiatives will continue to consider the development of a Health Communication Program as resources allow.

Create strategic links with other departments. CHPR is working on a set of joint recruitments with the Department of Internal Medicine that would establish a program in Vascular Population Health and Outcomes research. CHPR has been sharing resources with the Clinical and Translational Science Center. CHPR has provided support in the following areas to CTSC projects and administration: evaluation services, technical support and statistical support. The CTSC in turn has provided the following support to CHPR: space, data base programming and development. This collaborative relationship allows for the leveraging of valuable subject matter expert resources, with minimal cost while meeting the needs of researchers, research project outcomes and staff.

III. Financial Reporting

The Center transitioned administrative management from the School of Medicine, Department of Internal Medicine, to an Organized Research Unit (ORU) under the Office of Vice Chancellor for Research (OVCR) in 2003-2004. This transition, deemed critical in sustaining the long-term success of the Center, allowed direct management of the Center's fiscal and personnel resources. Center administration, although struggling with the challenges of cross-training and retention, has developed an infrastructure that will allow the Director and Associate Director to manage the Center's administrative functions and support multidisciplinary research in a more efficient and cost-effective manner by allowing sponsored research by investigators from varied schools and departments.

As part of this transition and efficiency, organizational charts, slips to track employee funding, and flow sheets describing work processes, including pre and post award grant tasks and responsibilities, continue to make the work flow more transparent to Center-affiliated staff, PIs, and stake holders.

For Fiscal Year 2007-2008 Center expenditures were \$2,575,146 from research funds and \$371,617 from core funds. Fifteen new proposals were submitted seeking funding of \$14,726,983. At the time of this report, a total of eight new proposals submitted during the

reporting period have been approved for funding, totaling ~\$4,576,471. In 2007-2008, we project expenditures of \$1,613,353 in research funds and \$420,512 in core funds.

Accomplishments and Challenges

As the Center enters its seventh year as an officially-designated Organized Research Unit, it is fitting to reflect on several important accomplishments as well as several ongoing challenges.

Over the past seven years, the Center has:

- Facilitated a dramatic increase in funded health services research activity. This upswing in activity has occurred along several dimensions, including total research funding, federal funding, number of funded investigators, number and size of proposals submitted, and number of peer-reviewed publications. In fiscal year 1998-1999, the Center submitted 19 grant proposals requesting \$8,642,508--eleven to extramural agencies and eight for intramural funding opportunities resulting in four funded proposals totaling \$1,034,408. During fiscal year 2007-2008, fifteen new proposals were submitted seeking funding of \$14,726,983. At the time of this report, eight proposals submitted during the reporting period have been approved for funding, totaling ~\$4,576,471.
- Supported the career development of junior faculty through mentorship, seminars, journal clubs, assistance with research proposal development, mini-grant funding, and analytic assistance. Most beneficiaries (e.g., Fancher, Garcia, Hilty, Hodge, Hogarth, Jerant, Keenan, Marcin, Nuovo, Pan, Paterniti, Srinivasan, Yasmeen) have appointments in the School of Medicine.
- Created a unique, interdisciplinary research training program (the PCOR Fellowship). With start-up funds from the Dean of the SOM and participation from the Departments of Medicine, Family Medicine, and Pediatrics, the Center launched the fellowship in July 2002 and received a three-year federal award in 2003. Two graduating fellows have already accepted faculty positions at UC Davis. During this reporting period another proposal was completed to HRSA for funding during 2008-2011.
- Recruited a talented and dedicated staff of approximately 40 administrators, analysts, nurses, and research assistants who are available to help faculty conduct research and further the Center's mission. Several senior staff members have progressed to the point where they are PIs on their own grants. Additionally, several junior and senior staff members are actively pursuing undergraduate and graduate degrees (Master and Doctoral level) at UC Davis, California State University, and Los Rios Community College.
- Contributed to the development of new Health System faculty (Tonya Fancher in Internal Medicine; Ronald Fong in Family & Community Medicine).
- Facilitated the recruitment of prestigious senior-level faculty members to the UCD Health System (Jill Joseph and Sergio Gaxiola-Aguilar).

- Been involved with the recruitment of prestigious faculty in other departments, such as Lars Ellison in Urology, and continued participation in recruitment of faculty to the Program in Vascular Health and Disease.
- Led internal initiatives to create a practice-based research network (PC-AWARE) and a research program in patient safety (CROPS).
- Cooperated with the School of Medicine, the Graduate Group in Epidemiology, the Division of Social Sciences, and the Program in Public Health to teach undergraduate and graduate courses in health economics (Leigh), epidemiology (Kravitz, Romano, Hodge), sociology (Paterniti), and health administration (Leigh, Troidl).
- Consulted with UCD Health System, campus, and UCOP administrators on issues related to the Center's expertise, including chronic disease management, program evaluation, health benefits mandates, implementation of the electronic medical record, residency training, and faculty development.
- Developed the State Health Policy Unit, which has increased CHPR's visibility within the state government, and begun to attract a growing portfolio of state-sponsored grants and contracts.

Notwithstanding our pride in these accomplishments, the Center faces several challenges:

- The 2007-2008 fiscal period Dr. Bertakis initiated a plan to launch a nationwide search for a new Center Director for CHPR. This plan initially was focused on completing recruitment activities to have a new director in place for the commencement of fiscal period 2008-2009. The search activities are in their final stages and the completion is anticipated by the beginning of fiscal period 2009.
- We have been more successful in engaging the interest and participation of faculty in the School of Medicine than other Schools and Colleges. In fact, the vast majority of Center-based grants have been led by SOM faculty. Many campus-based faculty (including Bell, Azari, Polonik, Drake, Helms, Cameron, Palmer, and Robins) have been enthusiastic collaborators. In addition, the Center has continued to develop internal strengths in the social sciences through recruitment of Drs. Leigh and Paterniti and through collaboration with social scientists Callahan and Gibson and statisticians Beckett and Harvey. The Center will continue to develop its own contingent of applied social and statistical sciences, but *we will also need to find ways to encourage campus-based faculty to take leadership roles in center-based proposals.*
- An additional challenge involves becoming an indispensable policy resource to the California State government. The Center has taken great strides in this direction: We have developed the State Health Policy Unit, including interactions with state officials during quarterly seminars and the CHPR State Policy conference; Dr. Romano has a longstanding relationship with the Office of Statewide Planning and Development; the Center conducted a major study for the Department of Health Services concerning nurse staffing ratios; we are working with the Department of Managed Care and the Office of

the Patient Advocate on several smaller projects; and have a more concentrated presence due to the work of Dr. Bair. Nevertheless, *the Center needs to identify sources of flexible funding that can be used to recruit and temporarily support master's- and PhD-level applied scientists who are interested in state health policy work.*

On January 8, 2003, the Center convened a meeting of key stakeholders to consider future directions and plan new initiatives. Approximately 15 faculty and 10 staff participated. Following an introductory presentation and discussion, participants broke into three workgroups focused on mission, faculty, and operations.

Key recommendations emerging from the workgroups and responses from Center administration are as follows:

- Change center name and expand mission to better reflect current and future scope of work: The proposal to change the Center name to UC Davis Center for Health Care Policy and Research (CHCPR) was approved by the Office of Research in October of 2008.
- Maintain strength in health communication, quality of care, patient centered-care, clinical outcomes and women's health: Efforts in these areas have been made largely through responses to RFAs and state-related contracts in these domains.
- Expand programs in racial and ethnic health disparities, aging and pediatric HSR. This core area of health services research is now the focus of a new Center for Reducing Health Disparities.
- Facilitate collaborative workgroups with defined focus areas linked to specific funding opportunities.
- Improve internal and external communication: We identified three operational principles (coherence, efficiency and learning) during 2004-2005 that facilitate an open and interactive forum for communication between staff, faculty, committee members, and the community. The Center continues to work towards internal and external processes and procedures that are seamless, innovative, and interactive.

In the coming year, Center leadership will focus on expanding upon our accomplishments and meeting the challenges noted above.

APPENDIX 1

UC Davis Center for Health Services Research in Primary Care Membership List Fiscal Year 2007 - 2008

Name	Department
Alcalay, Rina, PhD*	Communication
Anders, Thomas, MD*	Psychiatry
Azari, Rahman, PhD	Statistics
Bair, Aaron, MD	Internal Medicine
Balsbaugh, Thomas A., MD	Family and Community Medicine
Beckett, Laurel, PhD	Epidemiology and Preventive Medicine
Bell, Robert, PhD	Communication
Bertakis, Klea, MD, MPH	Family and Community Medicine
Breslau, Joshua PhD, ScD	Internal Medicine
Byrd, Robert, MD, MPH	Pediatrics
Callahan, Edward, PhD	Family and Community Medicine
Cameron, Colin, PhD	Economics
Chantry, Caroline, MD	Pediatrics
Deeb-Sossa, Natalia PhD	Sociology
de la Torre, Adela PhD	Chicano/Chicana Studies
Derlet, Robert, MD	Emergency Medicine
Drake, Christiana, PhD	Statistics
Droesler, Saskia MD	Visiting Faculty/Niederrhein University of Applied Sciences
Ducore, Jonathan, MD	Pediatrics
Fancher, Tonya MD, MPH	Internal Medicine
Fenton, Joshua J, MD	Family and Community Medicine
Feng, Bo PhD	Communications
Fernandez y Garcia, Erik MD, MPH	Pediatrics
Franks, Peter, MD	Family and Community Medicine
Garcia, Jorge, MD, MS	General Medicine
Garcia, Lorena, MPH, DrPH	Chicana/o Studies
Halfmann, Drew, PhD	Sociology
Hansen, Robin, MD	Pediatrics
Helms, L. Jay, PhD	Economics
Hilty, Donald M., MD	Psychiatry
Hinton, Ladson, MD	Psychiatry
Hirsch, Calvin, MD	General Medicine
Jerant, Anthony F., MD	Family and Community Medicine
Joye, Nancy, MD	Pediatrics

Name	Department
Kalauokalani, Donna, MD, MPH	Anesthesiology and Pain Medicine
Kravitz, Richard L., MD, MSPH	Internal General Medicine
Krener-Knapp, Penelope K., MD*	Psychiatry and Pediatrics
Kuppermann, Nathan, MD, MPH	Emergency Medicine and Pediatrics
Leigh, J. Paul, PhD	CHSR/PC
Li, Su-Ting, MD	Pediatrics
Li, Zhongmin, PhD	General Medicine
Lo, Ming-cheng PhD	Sociology
Loewy, Erich, MD*	General Medicine - Bioethics
Lowey-Ball, Albert, MS, MA	ALBA, Inc./Economics, Holy Names College
Lyman, Donald, MD, DTPH	California Department of Health Services
Marcin, James, MD, MPH	Pediatrics
McDonald, Craig, MD	Physical Medicine and Rehabilitation
Melnikow, Joy, MD, MPH	Family and Community Medicine
Meyers, Frederick J., MD	Internal Medicine Administration
Moore, Charles, MD, MBA	Kaiser Permanente Hospital System
Müller, Hans-Georg, PhD, MD	Statistics
Murray-Garcia, Jann, MD, MPH	Private health policy consultant
Nesbitt, Thomas, MD, MPH	Family and Community Medicine
Palmer, Donald, PhD	Graduate School of Management
Pan, Richard J.D., MD, MPH	Pediatrics
Park, Jeanny, MD	Pediatrics
Paterniti, Debora, PhD	CHSRPC and Sociology
Raingruber, Bonnie, RN, PhD	Center for Nursing Research
Rainwater, Julie, PhD	General Medicine
Rich, Ben, PhD	General Medicine/Bioethics
Robbins, John, MD, MHS	General Medicine
Rocke, David M., PhD	Graduate School of Management
Romano, Patrick, MD, MPH	General Medicine & Pediatrics
Roussas, George, PhD	Statistics
Ruebner, Boris, MD*	Pathology
Schenker, Marc, MD, MPH	Epidemiology and Preventive Medicine
Shaikh, Ulfat, MD, MPH	Pediatrics
Sherman, Jeffrey PhD	Psychology
Srinivasan, Malathi, MD	General Medicine
Styne, Dennis, MD	Pediatrics
Tabnak, Farzaneh, PhD	Office of AIDS, Calif. Dept. of Health Services
Tancredi, Daniel J. PhD	Pediatrics
Taylor, Laramie PhD	Communication
Tong, Elisa MD, MA	Internal Medicine

Name	Department
Urquiza, Anthony, PhD	Pediatrics
Utts, Jessica, PhD	Statistics
vonFriederichs-Fitzwater, Marlene, PhD, FAAPP	California State University, Sacramento, Center for Healthcare Communication
Walsh, Donal*	Veterinary Medicine
Wang, Jane-Ling, PhD	Statistics
Warden, Nancy, MD	Pediatrics
West, Daniel C., MD	Pediatrics
White, Richard, MD	General Medicine
Wilkes, Michael S., MD, PhD.	Vice Dean, Medical Education
Wisner, David H., MD	Department of Surgery
Wydick, Richard, LLB*	School of Law
Yasmeen, Shagufta, MD, MRCOG	Obstetrics/Gynecology and Internal Medicine
Yellowlees, Peter, MD	Psychiatry and Behavioral Sciences
Zane, Nolan, PhD	Psychology

APPENDIX 2

UC Davis Center for Health Services Research in Primary Care Board of Advisors Fiscal Year 2007 – 2008

Gary A. Fields, MD
Medical Director, Sutter Physicians Alliance
2800 L St
Sacramento, CA 95816
(916) 454-6653
Email: fieldsg@sutterhealth.org

Bette G. Hinton, MD, MPH
Health Officer, Yolo County Health Department
10 Cottonwood St
Woodland, CA 95695
(530) 666-8645
Email: bette.hinton@ccm.yolocounty.org

T. Warner Hudson, MD, FACOEM, FAAFP
Director, Health, Safety & Environment
DST Output
1102 Investment Blvd, #3033
El Dorado Hills, CA 95762
(916) 939-5580
Email: warner_hudson@dstoutput.com

Richard L. Kravitz, MD, MSPH
Professor and co-Vice Chair, Research
Department of Internal Medicine
Core Faculty Member, CHPR
2103 Stockton Blvd., Ste 2226
Sacramento, CA 95817
(916) 734-1248
Email: rlkravitz@ucdavis.edu

Carol A. Lee, Esq.
President and CEO
California Medical Association Foundation
1201 J St, Ste 350
Sacramento, CA 95814
(916) 551-2562
Email: cleec@cmanet.org

Kathryn Lowell
Vice President
MAXIMUS
103 8th Ave.
San Francisco, Ca 94118
916-952-5910
Email: klowell@maxinc.com

Len McCandliss
President, Sierra Health Foundation
1321 Garden Highway
Sacramento, CA 95833
(916) 922-4755
Email: lmccandliss@sierrahealth.org

Jack Rozance, MD
Physician-in-Chief, Kaiser Permanente
2025 Morse Ave
Sacramento, CA 95825
(916) 973-7404
Email: jack.rozance@kp.org

Murray N. Ross, PhD
Director, Health Policy Analysis and Research
Kaiser Permanente Institute for Health Policy
One Kaiser Plaza
Oakland, CA 94612
(510) 271-5691
Email: Murray.Ross@kp.org

Estelle Saltzman
President, Runyon, Saltzman, & Einhorn
1 Capitol Mall, Ste 400
Sacramento, CA 95814
(916) 446-9900
Email: esaltzman@RS-E.com

Hibbard E. Williams, MD
Professor and Dean Emeritus Sponsored Programs
UC Davis School of Medicine
Davis, CA 95616
(530) 752-5358
Email: hewilliams@ucdavis.edu

APPENDIX 3

UC Davis Center for Health Services Research in Primary Care Summary of Grant Proposals Submitted Fiscal Year 2007 – 2008

PI	DEPARTMENT	PROJECT TITLE	AGENCY	SUBMISSION DATE	AMOUNT REQUESTED	OUTCOME
Breslau Josh	Internal Medicine	Mental Health and Mexico-US Migration	NIH	2/1/2008	\$1,248,537	Not Funded
Breslau Josh	Internal Medicine	Mexico-US Migration and Risk for Psychiatric Disorders: A cross National Study	UCD / HRSA	2/1/2008	\$99,199	Funded
DeFreitas, Donna	Infectious Disease	Central Valley Men's Soul Food Project	California HIV/AIDS Research Program	9/24/07	\$600,000	Not Funded
Franks, Peter	Family & Comm. Med	Using Social Risk to Guide Cholesterol Treatment	Prime: NIH; UCD Subcontract with U of Rochester	To Rochester 7/1/07	\$240,900	Funded
Kravitz, Richard	CHPR	SIP II-Targeted and Tailored Messages to Enhance Depression Care	NIMH	7/07	\$2,934,256	Funded
Kravitz, Richard	CHPR	SIP III – Understanding and Reducing Gaps in Initial Care of Depression in Older Adults	NIMH	3/5/08	\$3,745,611	Not Funded
Kravitz, Richard	CHPR	SIP III – Understanding and Reducing Gaps in Initial Care of Depression in Older Adults	NIMH	6/30/08	\$3,757,613	Not Funded
Kravitz, Richard	CHPR	SIP II-Targeted and Tailored Messages to Enhance Depression Care – Minority Supplement	NIMH Minority Supplement SIP II	3/19/08	\$431,175	Funded
Melnikow, Joy	CHPR	Administrative Supplement – Existing RO1	NCI	1/26/08	\$99,709	Not Funded
Miller, Elizabeth	Pediatrics	Randomized Controlled Trial of a Family Planning Clinic-based IPV/SA Intervention	NIH	7/26/07	\$99,089	Not Funded
Paterniti, Debora	CHPR	Implementing A Community-Based Program for Slavic Women	UCOP CRC	2/28/08	\$599,953	Not Funded
Romano, Patrick	CHPR	Understanding and Decreasing Variations in Care for Congestive Heart Failure Across UC Medical Centers	California Health Care Foundation/ UCLA	To UCLA 7/30/07	\$150,586	Funded
Romano, Patrick	CHPR	Emergency Preparedness Measures	Battelle Memorial Institute	10/1/07	\$674,961	Funded
Romano, Patrick	CHPR	Quality HealthCare Indicators	Battelle Memorial Institute	10/1/07	\$36,394	Funded
Walsh, Holly	Neurology	Pre-Treatment of Contrast Induced Nephropathy	Sigma Theta Tau International/Roche Diagnostics	9/1/07	\$9,000	Funded

APPENDIX 4

**UC Davis Center for Health Services Research in Primary Care
Seminar Series
Fiscal Year 2007 – 2008**

Visiting Presenters

Presenter	Company Represented	Presentation	Date
Shawn Martin	Guest: CA Legislative Analyst's Office	Building the State's Budget for Health Programs	10/11/2007
Richard Sun, MD, MPH	Medical Consultant, Medical Policy Section, Policy and Financial Management Branch, CA Department of Health Care Services.	How Valid Are Three Recent Studies Comparing Medi-Cal Managed Care with Medi-Cal Fee-for-Service?	10/18/2007
Marge Ginsburg	Guest: Executive Director, Sacramento Healthcare Decisions	Defining 'Basic' Coverage: The priorities of the uninsured	11/8/2007
Mohsen Malekinejad, MPH	Dr.PH student, UC Berkeley	Enhancing HIV Surveillance Capacity in Iran: Lessons Learned from Implementation of Respondent-Driven Sampling (RDS) among Injecting Drug Users	12/6/2007
Saskia Drösler, MD	Economics Engineering and Healthcare, Niederrhein University of Applied Sciences, Krefeld, Germany	International Application of AHRQ Patient Safety Indicators	12/13/2007
Michael Byrne	Guest: Office of Statewide Health Planning and Development	The California Healthcare Atlas: A live, web-based query tool	2/28/2008

UCD Faculty, Student and Staff Presenters

Presenter	Department Represented	Presentation	Date
Joshua Breslau, PhD, ScD	Dept of Internal Medicine; Center for Reducing Health Disparities	Social Consequence of Psychiatric Disorders: Termination of Education in a US National Sample	9/6/2007
Benjamin Rich	Bioethics, Internal Medicine	Medical Malpractice Litigation: Interpreting the Data	9/13/2007
Paul Leigh, PhD	Public Health Sciences	Costs of needlestick injuries and subsequent hepatitis and HIV	9/20/2007
Joy Melnikow, MD, MPH	Family and Community Medicine	Recurrence of Cervical Intraepithelial Neoplasia (CIN) Following Treatment: A Population-Based Cohort Study	9/27/2007
Anthony Jerant, MD	Family and Community Medicine	RCT of a home-based, peer coached chronic illness self-management intervention: outcomes and moderators of effects	10/4/2007
Joshua Fenton, MD, MPH	Dept of Family and Community Medicine	Perils and challenges of translational research: A case study in computer-aided mammography	11/1/2007
Elizabeth Miller, MD, PhD	Center for Reducing Health Disparities	Adolescent Intimate Partner Violence: What About the Boys?	11/15/2007
Shagufta Yasmeen	Obstetrics and Gynecology	Measuring Outcomes Of Diabetes Education Program Among Culturally Diverse South Asian and Middle Eastern Muslims in Sacramento	11/29/2007
Este Geraghty, Jann Murray-Garcia	General Medicine/ Postdoctorate Fellow	The Accidental Epidemiologist / Linking Schooling Outcomes and Developmental Experiences to Health Disparities and the Public's Health	12/20/2007
Este Geraghty, MD, MS, MPH	General Medicine	Update in Health GIS	1/17/2008
Christiana Drake	Dept of Statistics	Study Designs and Measures of Association - Statistical Aspects	1/24/2008
Laurel Beckett and Dan Tancredi	Division of Biostatistics, Public Health Science	Mild Cognitive Impairment and the Alzheimer's Disease Neuroimaging Initiative: A Clinical and Health Policy Research Challenge	1/31/2008

Presenter	Company Represented	Presentation	Date
Peter Franks, MD	Family and Community Medicine	Is Personality a Key Missing Variable in Healthcare Research?	2/21/2008
DaeHwan Kim	PhD Candidate, Economics	Obesity and Wages: A Simultaneous Equations Model with Continuous and Dichotomous Endogenous Variables	3/6/2008
Jane-ling Wang, PhD	Dept of Statistics	Death on Mount Everest: Is there a Kareem Abdul-Jabbar effect? -- An example of collaborative research with statisticians at UCD	3/13/2008
Elisa Tong, MD, MA	Division of General Internal Medicine	Asian American Smoking Behavior and the Effect of Smoke-free Homes with Immigration	3/20/2008
Christiana Drake	Dept of Statistics	Study Designs and Measures of Association - Statistical Aspects - Part II	3/27/2008
Tonya Fancher, MD, MPH	Department of Internal Medicine	Discussing Suicide in Primary Care (a practice presentation for the SGIM)	4/3/2008
Bo Feng, PhD	Department of Communication	What Do Physicians Say When Giving Prescriptions?: An Examination of Medical Recommendation from a Communication Perspective	4/10/2008
Juan Du	PhD Candidate, Economics	Does Family Caregiving Reduce Institutional Care for Seniors? : A Bayesian Two-part Model Analysis	4/17/2008
J. Paul Leigh, PhD	Department of Public Health Sciences	What Do Economists Mean by Demand and Elasticity ? Is it true that elasticity is to linear regression what odds ratio is to logistic regression ? Applications to gasoline prices, car crash deaths, and air pollution deaths	4/24/2008
Dan Tancredi, PhD	Dept of Pediatrics	Evaluation of two clinic-based interventions for reducing HIV transmission risk behavior	5/1/2008

Presenter	Company Represented	Presentation	Date
Dan Tancredi, PhD	Dept of Pediatrics	A critique of the design and analysis used in a cluster-randomized study of an intervention in Philadelphia schools for preventing overweight and obesity	5/15/2008
Erik Fernandez, M.D., M.P.H.	Department of Pediatrics	Subgroup Reporting in the General Medical Literature: Do Investigators Misinterpret Their Own Findings	5/22/2008
Pat Zrelak, Ph.D., C.N.R.N., C.N.A.A., B.C. / Patrick Romano, M.D., M.P.H.		Positive Predictive Value of AHRQ Patient Safety Indicators in a National Sample of Hospitals / Impact of Public Reporting of Coronary Artery Bypass Graft Surgery Performance Data on Market Share, Mortality, and Patient Selection	5/29/2008
Mollie Teng, MD	MD, MPH Candidate, UC Davis	Determinants of Early Stage Ovarian Cancer Diagnosis	6/5/2008
Peter Franks, MD	Department of Family and Community Medicine	The Moral Hazard of Health Economists	6/12/2008

APPENDIX 5

**UC Davis Center for Health Services Research in Primary Care
Primary Care Outcomes Research Program (PCOR) Fellows
Fiscal Year 2007-2008**

Name	Affiliated Department	Research Interests	Year of Matriculation
Svetlana Popova, MD	Obstetrics and Gynecology	Breast Cancer and Disparities in HealthCare	2007
Erik Fernandez y Garcia, MD	Pediatrics	Maternal-child health/healthcare disparities/clinician and patient interaction/quality	2007

APPENDIX 6

UC Davis Center for Health Services Research in Primary Care
PCOR Seminar Series
Fiscal Year 2007-2008

Presenter	Department	Presentation	Date
Joshua Breslau, PhD, ScD	Dept of Internal Medicine; Center for Reducing Health Disparities	Social Consequence of Psychiatric Disorders: Termination of Education in a US National Sample	9/6/2007
Benjamin Rich	Bioethics, Internal Medicine	Medical Malpractice Litigation: Interpreting the Data	9/13/2007
Paul Leigh, PhD	Public Health Sciences	Costs of needlestick injuries and subsequent hepatitis and HIV	9/20/2007
Joy Melnikow, MD, MPH	Family and Community Medicine	Recurrence of Cervical Intraepithelial Neoplasia (CIN) Following Treatment: A Population-Based Cohort Study	9/27/2007
Anthony Jerant, MD	Family and Community Medicine	RCT of a home-based, peer coach-led chronic illness self- management intervention: outcomes and moderators of effects	10/4/2007
Shawn Martin	Guest: CA Legislative Analyst's Office	Building the State's Budget for Health Programs	10/11/2007
Richard Sun, MD, MPH	Medical Consultant, Medical Policy Section, Policy and Financial Management Branch, CA Department of Health Care Services.	How Valid Are Three Recent Studies Comparing Medi-Cal Managed Care with Medi-Cal Fee-for-Service?	10/18/2007

Presenter	Department	Presentation	Date
Joshua Fenton, MD, MPH	Dept of Family and Community Medicine	Perils and challenges of translational research: A case study in computer-aided mammography	11/1/2007
Marge Ginsburg	Guest: Executive Director, Sacramento Healthcare Decisions	Defining 'Basic' Coverage: The priorities of the uninsured	11/8/2007
Elizabeth Miller, MD, PhD	Center for Reducing Health Disparities	Adolescent Intimate Partner Violence: What About the Boys?	11/15/2007
Shagufta Yasmeen	Obstetrics and Gynecology	Measuring Outcomes Of Diabetes Education Program Among Culturally Diverse South Asian and Middle Eastern Muslims in Sacramento	11/29/2007
Mohsen Malekinejad, MPH	Dr.PH student, UC Berkeley	Enhancing HIV Surveillance Capacity in Iran: Lessons Learned from Implementation of Respondent-Driven Sampling (RDS) among Injecting Drug Users	12/6/2007
Saskia Drösler, MD	Economics Engineering and Healthcare, Niederrhein University of Applied Sciences, Krefeld, Germany	International Application of AHRQ Patient Safety Indicators	12/13/2007
Este Geraghty, Jann Murray- Garcia	General Medicine/ Postdoctorate Fellow	The Accidental Epidemiologist / Linking Schooling Outcomes and Developmental Experiences to Health Disparities and the Public's Health	12/20/2007
Este Geraghty, MD, MS, MPH	General Medicine	Update in Health GIS	1/17/2008

Presenter	Department	Presentation	Date
Christiana Drake	Dept of Statistics	Study Designs and Measures of Association - Statistical Aspects	1/24/2008
Laurel Beckett and Dan Tancredi	Division of Biostatistics, Public Health Science	Mild Cognitive Impairment and the Alzheimer's Disease Neuroimaging Initiative: A Clinical and Health Policy Research Challenge	1/31/2008
Peter Franks, MD	Family and Community Medicine	Is Personality a Key Missing Variable in Healthcare Research?	2/21/2008
Michael Byrne	Guest: Office of Statewide Health Planning and Development	The California Healthcare Atlas: A live, web-based query tool	2/28/2008
DaeHwan Kim	PhD Candidate, Economics	Obesity and Wages: A Simultaneous Equations Model with Continuous and Dichotomous Endogenous Variables	3/6/2008
Jane-ling Wang, PhD	Dept of Statistics	Death on Mount Everest: Is there a Kareem Abdul-Jabbar effect? -- An example of collaborative research with statisticians at UCD	3/13/2008
Elisa Tong, MD, MA	Division of General Internal Medicine	Asian American Smoking Behavior and the Effect of Smoke-free Homes with Immigration	3/20/2008
Christiana Drake	Dept of Statistics	Study Designs and Measures of Association - Statistical Aspects - Part II	3/27/2008
Tonya Fancher, MD, MPH	Department of Internal Medicine	Discussing Suicide in Primary Care (a practice presentation for the SGIM)	4/3/2008

Presenter	Department	Presentation	Date
Bo Feng, PhD	Department of Communication	What Do Physicians Say When Giving Prescriptions?: An Examination of Medical Recommendation from a Communication Perspective	4/10/2008
Juan Du	PhD Candidate, Economics	Does Family Caregiving Reduce Institutional Care for Seniors? : A Bayesian Two-part Model Analysis	4/17/2008
J. Paul Leigh, PhD	Department of Public Health Sciences	What Do Economists Mean by Demand and Elasticity ? Is it true that elasticity is to linear regression what odds ratio is to logistic regression ? Applications to gasoline prices, car crash deaths, and air pollution deaths	4/24/2008
Dan Tancredi, PhD	Dept of Pediatrics	Evaluation of two clinic-based interventions for reducing HIV transmission risk behavior	5/1/2008
Dan Tancredi, PhD	Dept of Pediatrics	A critique of the design and analysis used in a cluster-randomized study of an intervention in Philadelphia schools for preventing overweight and obesity	5/15/2008
Erik Fernandez, M.D., M.P.H.	Department of Pediatrics	Subgroup Reporting in the General Medical Literature: Do Investigators Misinterpret Their Own Findings	5/22/2008
Pat Zrelak, Ph.D., C.N.R.N., C.N.A.A., B.C. / Patrick Romano, M.D., M.P.H.	Center for HealthCare Policy and Research	Positive Predictive Value of AHRQ Patient Safety Indicators in a National Sample of Hospitals / Impact of Public Reporting of Coronary Artery Bypass Graft Surgery Performance Data on Market Share, Mortality, and Patient Selection	5/29/2008

Presenter	Department	Presentation	Date
Mollie Teng, MD	MD, MPH Candidate, UC Davis	Determinants of Early Stage Ovarian Cancer Diagnosis	6/5/2008
Peter Franks, MD	Department of Family and Community Medicine	The Moral Hazard of Health Economists	6/12/2008

APPENDIX 7

UC Davis Center for Health Services Research in Primary Care Listing of Students Involved in Center Research Projects Fiscal Year 2007 – 2008

Graduate Students

Student	Project worked on
Nicole Bloser Gabler	Pfizer
Camille Cipri	Social Influences on Practice
Banafsheh Sadeghi	INQUIRE and ARHQ Support for Quality Indicators

Undergraduate Students

Thuan Le	The See It Project
My Lin Vo	The See It Project

* Volunteers

APPENDIX 8

UC Davis Center for Health Services Research in Primary Care Publication List Fiscal Year 2007 – 2008

(Names of current and former Center for Health Services Faculty and Staff have been underlined)

[A qualitative study of the barriers to chronic pain management in the ED.](#)

Wilsey BL, Fishman SM, Crandall M, Casamaluapa C, Bertakis KD. *The American Journal of Emergency Medicine* 2008; Mar;26(3):255-63.

[Patient gender and physician practice style.](#)

Bertakis KD, Azari R. *J Womens Health (Larchmt)*. 2007 Jul;16(6):859-68.

[Do personal and societal preferences differ by socio-demographic group?](#) Franks P, Lubetkin EI, Melnikow J. *Health Econ*, 2007 Mar;16(3):319-25.

[A procedure to characterize geographic distributions of rare disorders in cohorts.](#)

Van Meter KC, Christiansen LE, Hertz-Picciotto I, Azari R, Carpenter TE. *International Journal of Health Geographics* 2008 May 28;7:26.

[Determinants of Physician Discussion Regarding Tobacco and Alcohol Abuse.](#)

Bertakis KD, Azari R. *The Journal of Health Communication* 2007; 12:513-525.

[Correlates of injection drug use among female sex workers in two Mexico–U.S. border cities.](#)

Strathdee SA, Philbin MM, Semple SJ, Pu M, Orozovich P, Martinez G, Lozada R, Fraga M, de la Torre A, Staines H, Magis-Rodríguez C, Patterson TL. *Drug and Alcohol Dependence*. 2008 Jan 1;92(1-3):132-40.

[Determinants of Racial/Ethnic Colorectal Cancer Screening Disparities](#) Jerant AF, Fenton JJ, Franks P. *Archives of Internal Medicine* 2008 Jun 23;168(12):1317-24.

[Body Mass Index and Employment-Based Health Insurance](#) Fong RL, Franks P. *BMC Health Services Research* 2008 May 9;8:101.

[Continuity of care and cancer screening among health plan enrollees.](#) Fenton JJ, Franks P, Reid RJ, Elmore JG, Baldwin LM. *Medical Care*. 2008 Jan;46(1):58-62.

[Primary care visit length, quality, and satisfaction for standardized patients with depression.](#)

Geraghty EM, Franks P, Kravitz RL. *Journal of General Internal Medicine*. 2007 Dec;22(12):1641-7.

[Let's not talk about it: suicide inquiry in primary care.](#) Feldman MD, Franks P, Duberstein PR, Vannoy S, Epstein R, Kravitz RL. *Annals of Family Medicine*. 2007 Sep-Oct;5(5):412-8.

[Costs of needlestick injuries and subsequent hepatitis and HIV infection.](#) Leigh JP, Gillen M, Franks P, Sutherland S, Nguyen HH, Steenland K, Xing G. *Current Medical Research and Opinion*. 2007 Sep;23(9):2093-105.

[Does providing cost-effectiveness information change coverage priorities for citizens acting as social decision makers?](#) Gold MR, Franks P, Siegelberg T, Sofaer S. *Health Policy*. 2007 Sep;83(1):65-72.

[Post Partum Discharge Against Medical Advice: Who Leaves and Does it Matter?](#) Fiscella K, Meldrum S, Franks P. *Matern Child Health J*. 2007 Sep;11(5):431-6.

[Using e-health to enable culturally appropriate mental healthcare in rural areas.](#) Yellowlees P, Marks S, Hilty D, Shore JH. *Telemedicine Journal and e-health* 2008 Jun;14(5):486-92.

[Telepsychiatry Reduces Geographic Physician Disparity in Rural Settings, But Is It Financially Feasible Because of Reimbursement?](#) Hilty DM, Cobb HC, Neufeld JD, Bourgeois JA, Yellowlees PM. *Psychiatric Clinics of North America*. 2008 Mar;31(1):85-94.

[A retrospective analysis of a child and adolescent eMental Health program.](#) Yellowlees PM, Hilty DM, Marks SL, Neufeld J, Bourgeois JA. *Journal of the American Academy of Child and Adolescent Psychiatry*. 2008 Jan;47(1):103-7.

[Management of Mental Illness in Patients with Diabetes.](#) Hilty DM, McCarron RM, Ton H. *Primary Care*. 2007 Dec;34(4):713-30.

[Depressive symptoms moderated the effect of chronic illness self-management training on self-efficacy.](#) Jerant A, Kravitz R, Moore-Hill M, Franks P. *Med Care*. 2008 May;46(5):523-31.

[N-of-1 trials of expensive biological therapies: a third way?](#) Kravitz RL, Duan N, White RH. *Archives of Internal Medicine*. 2008 May 26;168(10):1030-3.

[How much time does it take to prescribe a new medication?](#) Tarn DM, Paterniti DA, Kravitz RL, Heritage J, Liu H, Kim S, Wenger NS. *Patient Education and Counseling*. 2008 Apr

[The CABG surgery volume-outcome relationship: temporal trends and selection effects in California, 1998-2004.](#) Marcin JP, Li Z, Kravitz RL, Dai JJ, Rocke DM, Romano PS. *Health Services Research*. 2008 Feb;43(1 Pt 1):174-92.

[Factors affecting physicians' responses to patients' requests for antidepressants: focus group study.](#) Tentler A, Silberman J, Paterniti DA, Kravitz RL, Epstein RM. *Journal of General Intern Medicine*. 2008 Jan;23(1):51-7..

[High Gasoline Prices and Mortality From Motor Vehicle Crashes and Air Pollution.](#) Leigh JP, Geraghty EM. *Journal of Occupational and Environmental Medicine*. 2008 Mar;50(3):249-54.

[Cigarette prices, smoking, and the poor: implications of recent trends.](#) Franks P, Jerant AF, Leigh JP, Lee D, Chiem A, Lewis I, Lee S. *American Journal of Public Health*. 2007 Oct;97(10):1873-7. Epub 2007 Aug 29.

[Overcoming barriers to cancer clinical trial accrual: Impact of a mass media campaign.](#) Umutyran A, Chiechi C, Beckett LA, Paterniti DA, Turrell C, Gandara DR, Davis SW, Wun T, Chen MS Jr, Lara PN Jr. *Cancer*. 2008 Jan 1;112(1):212-9

[How often are potential patient safety events present on admission?](#) Houchens RL, Elixhauser A, Romano PS. *Joint Commission Journal on Quality and Patient Safety*. 2008 Mar;34(3):154-63.

[Using patient safety indicators to estimate the impact of potential adverse events on outcomes.](#) Rivard PE, Luther SL, Christiansen CL, Shibe Zhao , Loveland S, Elixhauser A, Romano PS, Rosen AK. *Medical Care Research and Review*. 2008 Feb;65(1):67-87.

[The Children's Sleep Habits Questionnaire in toddlers and preschool children.](#) Goodlin-Jones BL, Sitnick SL, Tang K, Liu J, Anders TF. *J Dev Behav Pediatr*. 2008 Apr;29(2):82-88.

[The use of actigraphy to study sleep disorders in preschoolers: some concerns about detection of nighttime awakenings.](#) Sitnick SL, Goodlin-Jones BL, Anders TF. *Sleep*. 2008 Mar 1;31(3):395-401.

[Nocturnal sleep and daytime nap behaviors in relation to salivary cortisol levels and temperament in preschool-age children attending child care.](#) Ward TM, Gay C, Alkon A, Anders TF, Lee KA. *Biol Res Nurs*. 2008 Jan;9(3):244-53.

[The pharmaceutical industry, academic medicine, and the FDA.](#) Anders TF. *J Child Adolesc Psychopharmacol*. 2007 Oct;17(5):727-30; discussion, 731-2.

[A web-based data repository and review system for faculty evaluation and promotion.](#) Howell LP, Poon B, Nesbitt TS, Anders TF. *Acad Med*. 2007 Jul;82(7):704-12.

[Images in emergency medicine. Profunda femoral artery pseudoaneurysm after a stab wound.](#) Holmes JF, Link DP, Scherer L, Bair AE. *Ann Emerg Med*. 2008 Mar;51(3):330, 342

[Interventions to support diabetes self-management: the key role of the patient in diabetes care.](#) Nuovo J, Balsbaugh T, Barton S, Fong R, Fox-Garcia J, Levich B, Fenton JJ. *Curr Diabetes Rev*. 2007 Nov;3(4):226-8.

[A practical guide to ACR MRI accreditation.](#) Bell RA. Radiol Manage. 2007 Sep-Oct;29(5):58-62.

[Differential item functioning between ethnic groups in the epidemiological assessment of depression.](#) Breslau J, Javaras KN, Blacker D, Murphy JM, Normand SL. J Nerv Ment Dis. 2008 Apr;196(4):297-306.

[The effect of migration to the United States on substance use disorders among returned Mexican migrants and families of migrants.](#) Borges G, Medina-Mora ME, Breslau J, Aguilar-Gaxiola S. Am J Public Health. 2007 Oct;97(10):1847-51.

[Social factors, psychopathology, and maternal smoking during pregnancy.](#) Gilman SE, Breslau J, Subramanian SV, Hitsman B, Koenen KC. Am J Public Health. 2008 Mar;98(3):448-53.

[Strategies to reduce HIV risk behavior in HIV primary care clinics: brief provider messages and specialist intervention.](#) Callahan EJ, Flynn NM, Kuenneth CA, Enders SR. AIDS Behav. 2007

[After 9/11: goal disruption, emotional support, and psychological health in a lower exposure sample.](#) MacGeorge EL, Samter W, Feng B, Gillihan SJ, Graves AR. Health Commun. 2007;21(1):11-22.

[Mammography facility characteristics associated with interpretive accuracy of screening mammography.](#) Taplin S, Abraham L, Barlow WE, Fenton JJ, Berns EA, Carney PA, Cutter GR, Sickles EA, Carl D, Elmore JG. J Natl Cancer Inst. 2008 Jun 18;100(12):876-87.

[MECP2 PROMOTER METHYLATION AND X CHROMOSOME INACTIVATION IN AUTISM.](#) Nagarajan RP, Patzel KA, Martin M, Yasui DH, Swanberg SE, Hertz-Picciotto I, Hansen RL, Van de Water J, Pessah IN, Jiang R, Robinson WP, Lasalle JM. Autism Res. 2008 Jun;1(3):169-178.

[Sleep problems in children with autism spectrum disorders, developmental delays, and typical development: a population-based study.](#) Krakowiak P, Goodlin-Jones B, Hertz-Picciotto I, Croen LA, Hansen RL. J Sleep Res. 2008 Jun;17(2):197-206.

[Regression in autism: prevalence and associated factors in the CHARGE Study.](#) Hansen RL, Ozonoff S, Krakowiak P, Angkustsiri K, Jones C, Deprey LJ, Le DN, Croen LA, Hertz-Picciotto I. Ambul Pediatr. 2008 Jan-Feb;8(1):25-31.

[Cognitive and temperament clusters in 3- to 5-year-old children with aggressive behavior.](#) Sakimura JN, Dang MT, Ballard KB, Hansen RL. J Sch Health. 2008 Jan;78(1):38-45.

[Orthostatic panic attacks among Vietnamese refugees.](#) Hinton DE, Hinton L, Tran M, Nguyen

[Neuropsychiatric symptoms are associated with disability in cognitively impaired Latino elderly with and without dementia: results from the Sacramento Area Latino study on Aging.](#) Hinton L, Tomaszewski Farias S, Wegelin J. Int J Geriatr Psychiatry. 2008 Jan;23(1):102-8.

[Practice constraints, behavioral problems, and dementia care: primary care physicians' perspectives.](#) Hinton L, Franz CE, Reddy G, Flores Y, Kravitz RL, Barker JC. J Gen Intern Med. 2007 Nov;22(11):1487-92. Epub 2007 Sep 7.

[Nonmedical influences on the use of cholinesterase inhibitors in dementia care.](#) Franz CE, Barker JC, Kravitz RL, Flores Y, Krishnan S, Hinton L. Alzheimer Dis Assoc Disord. 2007 Jul-Sep;21(3):241-8.

[Black holes, uncanny spaces and radical shifts in awareness.](#) Hinton L. J Anal Psychol. 2007 Sep;52(4):433-47.

[Association of carotid artery intima-media thickness, plaques, and C-reactive protein with future cardiovascular disease and all-cause mortality: the Cardiovascular Health Study.](#) Cao JJ, Arnold AM, Manolio TA, Polak JF, Psaty BM, Hirsch CH, Kuller LH, Cushman M. Circulation. 2007 Jul 3;116(1):32-8.

[Bee stings--a remedy for postherpetic neuralgia? A case report.](#) Janik JE, Wania-Galicia L, Kalauokalani D. Reg Anesth Pain Med. 2007 Nov-Dec;32(6):533-5.

[Children with bacterial meningitis presenting to the emergency department during the pneumococcal conjugate vaccine era.](#) Nigrovic LE, Kuppermann N, Malley R; Bacterial Meningitis Study Group of the Pediatric Emergency Medicine Collaborative Research Committee of the American Academy of Pediatrics. Acad Emerg Med. 2008 Jun;15(6):522-8.

[Prolonged QT interval corrected for heart rate during diabetic ketoacidosis in children.](#) Kuppermann N, Park J, Glatter K, Marcin JP, Glaser NS. Arch Pediatr Adolesc Med. 2008 Jun;162(6):544-9.

[Revisiting the emergency medicine services for children research agenda: priorities for multicenter research in pediatric emergency care.](#) Miller SZ, Rincón H, Kuppermann N; Pediatric Emergency Care Applied Research Network. Acad Emerg Med. 2008 Apr;15(4): 377-83.

[DKA-related cerebral edema and intravenous fluid therapy: potential pitfalls of uncontrolled retrospective studies.](#) Glaser N, Kuppermann N. J Pediatr. 2008 Jan;152(1):145; author reply

[Development of the capacity necessary to perform and promote knowledge translation research in emergency medicine.](#) Dayan PS, Osmond M, Kuppermann N, Lang E, Klassen T, Johnson D, Strauss S, Hess E, Schneider S, Afilalo M, Pusic M. Acad Emerg Med. 2007 Nov;14(11):978-83.

[A new implicit review instrument for measuring quality of care delivered to pediatric patients in the emergency department.](#) Dharmar M, Marcin JP, Kuppermann N, Andrada ER, Cole S, Harvey DJ, Romano PS. BMC Emerg Med. 2007 Aug 23;7:13.

[Lack of agreement in pediatric emergency department discharge diagnoses from clinical and administrative data sources.](#) Gorelick MH, Knight S, Alessandrini EA, Stanley RM, Chamberlain JM, [Kuppermann N](#), Alpern ER; Pediatric Emergency Care Applied Research Network. Acad Emerg Med. 2007 Jul;14(7):646-52. Epub 2007 Jun 6.

[Primary operative management for pediatric empyema: decreases in hospital length of stay and charges in a national sample.](#) [Li ST](#), Gates RL. Arch Pediatr Adolesc Med. 2008 Jan;162(1):44-8.

[A national survey of pediatric clerkship directors' approaches to meeting the LCME ED-2 requirement for quantified patient criteria for medical students.](#) [Li ST](#), Smith S, Gigante J. Teach Learn Med. 2007 Fall;19(4):352-6.

[Index of suspicion.](#) Pingul M, Shah L, Denton S, Walenz E, Weisgerber M, Conley S, [Li ST](#), Hollander MC. Pediatr Rev. 2007 Jul;28(7):269-75. No abstract available.

[The "occasional open heart surgeon" revisited.](#) Carey JS, Parker JP, Brandeau C, [Li Z](#). J Thorac Cardiovasc Surg. 2008 Jun;135(6):1254-60.

[Severity of chronic kidney disease as a risk factor for operative mortality in nonemergent patients in the California coronary artery bypass graft surgery outcomes reporting program.](#) Yeo KK, [Li Z](#), Yeun JY, Amsterdam E. Am J Cardiol. 2008 May 1;101(9):1269-74. Epub 2008 Mar 7.

[Clinical characteristics and 30-day mortality among Caucasians, Hispanics, Asians, And African-Americans in the 2003 California coronary artery bypass graft surgery outcomes reporting program.](#) Yeo KK, [Li Z](#), Amsterdam E. Am J Cardiol. 2007 Jul 1;100(1):59-63. Epub 2007 May 11.

[Ethics and evidence-based medicine: is there a conflict?](#) [Loewy EH](#). MedGenMed. 2007 Aug 6;9(3):30.

[Framing issues in health care: do American ideals demand basic health care and other social necessities for all?](#) [Loewy EH](#), Loewy RS. Health Care Anal. 2007 Dec;15(4):261-71. Review.

[Clinical management and patient outcomes among children and adolescents receiving telemedicine consultations for obesity.](#) [Shaikh U](#), Cole SL, [Marcin JP](#), Nesbitt TS. Telemed J E Health. 2008 Jun;14(5):434-40.

[Comparison of critically ill and injured children transferred from referring hospitals versus in-house admissions.](#) Gregory CJ, Nasrollahzadeh F, Dharmar M, Parsapour K, [Marcin JP](#).

[Pediatric patient safety events during hospitalization: approaches to accounting for institution-level effects.](#) Slonim AD, [Marcin JP](#), Turenne W, Hall M, [Joseph JG](#). Health Serv Res. 2007 Dec;42(6 Pt 1):2275-93; discussion 2294-323.

[Size matters to a model's fit.](#) Marcin JP, Romano PS. Crit Care Med. 2007 Sep;35(9):2212-3. No abstract available.

[Unplanned extubations: they're not accidental.](#) Marcin JP. Pediatr Crit Care Med. 2007 Jul;8(4):406-7.

[Review of the acuity scoring systems for the pediatric intensive care unit and their use in quality improvement.](#)

[Inaugural paediatric telehealth colloquium.](#) Parsapour K, Smith AC, Armfield N, Marcin JP. J Telemed Telecare. 2007;13(3):159-61. No abstract available.

[The validity of compliance monitors to assess wearing time of thoracic-lumbar-sacral orthoses in children with spinal cord injury.](#)

Hunter LN, Sison-Williamson M, Mendoza MM, McDonald CM, Molitor F, Mulcahey MJ, Betz RR, Vogel LC, Bagley A. Spine. 2008 Jun 15;33(14):1554-61.

[Chronic pain in persons with myotonic dystrophy and facioscapulohumeral dystrophy.](#) Jensen MP, Hoffman AJ, Stoelb BL, Abresch RT, Carter GT, McDonald CM. Arch Phys Med Rehabil. 2008 Feb;89(2):320-8.

[Effect of thoracolumbosacral orthoses on reachable workspace volumes in children with spinal cord injury.](#) Sison-Williamson M, Bagley A, Hongo A, Vogel LC, Mulcahey MJ, Betz RR, McDonald CM. J Spinal Cord Med. 2007;30 Suppl 1:S184-91.

[Treatment options for muscle-invasive urothelial cancer for patients who were not eligible for cystectomy or neoadjuvant chemotherapy with methotrexate, vinblastine, doxorubicin, and cisplatin: report of Southwest Oncology Group Trial 8733.](#) Higano CS, Tangen CM, Sakr WA, Faulkner J, Rivkin SE, Meyers FJ, Hussain M, Baker LH, Russell KJ, Crawford ED; Southwest Oncology Group Trial 8733. Cancer. 2008 May 15;112(10):2181-7.

[Diverse populations can use hospice services appropriately.](#) Meyers FJ, Lin A, Sribney WM, Aguilar-Gaxiola S. Am J Med. 2008 Apr;121(4):e1-2. No abstract available.

[The immunobiology of mushrooms.](#) Borchers AT, Krishnamurthy A, Keen CL, Meyers FJ, Gershwin ME. Exp Biol Med (Maywood). 2008 Mar;233(3):259-76. Review.

[On reversing the persistence of memory: hematopoietic stem cell transplant for autoimmune disease in the first ten years.](#) Deane S, Meyers FJ, Gershwin ME. J Autoimmun. 2008 May;30(3):180-96. Epub 2008 Jan 31. Review.

[Racial and ethnic differences in treatment and survival among adults with primary extremity soft-tissue sarcoma.](#) Martinez SR, Robbins AS, Meyers FJ, Bold RJ, Khatri VP, Goodnight JE Jr. Cancer. 2008 Mar 1;112(5):1162-8.

[Redesigning residency training in internal medicine: the consensus report of the Alliance for Academic Internal Medicine Education Redesign Task Force.](#) Meyers FJ, Weinberger SE, Fitzgibbons JP, Glassroth J, Duffy FD, Clayton CP; Alliance for Academic Internal Medicine Education Redesign Task Force. Acad Med. 2007 Dec;82(12):1211-9.

[Palliative care for prison inmates: "don't let me die in prison".](#) Linder JF, Meyers FJ. JAMA. 2007 Aug 22;298(8):894-901.

[Day hospital and residential addiction treatment: randomized and nonrandomized managed care clients.](#) Witbrodt J, Bond J, Kaskutas LA, Weisner C, Jaeger G, Pating D, Moore C. J Consult Clin Psychol. 2007 Dec;75(6):947-59.

[Preliminary evidence of behavioral predictors of recurrent drug-induced psychosis in methamphetamine abuse.](#) Salo R, Nordahl TE, Leamon MH, Natsuaki Y, Moore CD, Waters C, Carter CS. Psychiatry Res. 2008 Jan 15;157(1-3):273-7. Epub 2007 Oct 24.

[Findings of preserved implicit attention in methamphetamine dependent subjects.](#) Salo R, Leamon MH, Natsuaki Y, Moore C, Waters C, Nordahl TE. Prog Neuropsychopharmacol Biol Psychiatry. 2008 Jan 1;32(1):217-23. Epub 2007 Aug 19.

[Financing graduate medical education to meet the needs of children and the future pediatrician workforce.](#) American Academy of Pediatrics Committee on Pediatric Workforce, Shipman SA, Pan RJ. Pediatrics. 2008 Apr;121(4):855-61. Review.

[Hepatitis C videoconferencing: the impact on continuing medical education for rural healthcare providers.](#) Rossaro L, Tran TP, Ransibrahmanakul K, Rainwater JA, Csik G, Cole SL, Prosser CC, Nesbitt TS. Telemed J E Health. 2007 Jun;13(3):269-77.

[Physician-led outpatient breastfeeding medicine clinics in the United States.](#) Shaikh U, Smillie CM. Breastfeed Med. 2008 Mar;3(1):28-33.

[Optimizing breastfeeding promotion and support in adolescent mothers.](#) Feldman-Winter L, Shaikh U. J Hum Lact. 2007 Nov;23(4):362-7.

[The effects of vitamin D deficiency and insufficiency on the endocrine and paracrine systems.](#) Alpert PT, Shaikh U. Biol Res Nurs. 2007 Oct;9(2):117-29. Review.

[Electronic communication with patients for breastfeeding support.](#) Thomas JR, Shaikh U. J Hum Lact. 2007 Aug;23(3):275-9.

[A high-carbohydrate diet in the immediate postnatal life of rats induces adaptations predisposing to adult-onset obesity.](#) Srinivasan M, Mitrani P, Sadhanandan G, Dodds C, Shbeir-ElDika S, Thamotharan S, Ghanim H, Dandona P, Devaskar SU, Patel MS. J Endocrinol. 2008 Jun;197(3):565-74.

[Metabolic programming in the immediate postnatal period.](#) Srinivasan M, Patel MS. Trends Endocrinol Metab. 2008 May-Jun;19(4):146-52. Epub 2008 Mar 7. Review.

[Attitudes toward pay-for-performance initiatives among primary care osteopathic physicians in small group practices.](#) Locke RG, Srinivasan M. J Am Osteopath Assoc. 2008 Jan;108(1):21-4.

[End-of-Life care: guidelines for patient-centered communication.](#) Ngo-Metzger Q, August KJ, Srinivasan M, Liao S, Meyskens FL Jr. Am Fam Physician. 2008 Jan 15;77(2):167-74.

[Developing the master educator: cross disciplinary teaching scholars program for human and veterinary medical faculty.](#) Srinivasan M, Pratt DD, Collins J, Bowe CM, Stevenson FT, Pinney SJ, Wilkes MS. Acad Psychiatry. 2007 Nov-Dec;31(6):452-64.

[Death due to recurrent thromboembolism among younger healthier individuals hospitalized for idiopathic pulmonary embolism.](#) White RH, Zhou H, Murin S. Thromb Haemost. 2008 Apr;99(4):683-90

[The effects of race/ethnicity and sex on the risk of venous thromboembolism.](#) Keenan CR, White RH. Curr Opin Pulm Med. 2007 Sep;13(5):377-83. Review.

[Additional uses for the classic matrix band.](#) White RH, Geissberger MJ. Oper Dent. 2007 Jul-Aug;32(4):412-4. No abstract available.

[Seasonal dynamics of soil micronutrients in compost-amended bermudagrass turf.](#) Provin TL, Wright AL, Hons FM, Zuberer DA, White RH. Bioresour Technol. 2008 May;99(7):2672-9. Epub 2007 Jun 13.

[Compost impacts on dissolved organic carbon and available nitrogen and phosphorus in turfgrass soil.](#) Wright AL, Provin TL, Hons FM, Zuberer DA, White RH. Waste Manag. 2008;28(6):1057-63. Epub 2007 Jun 4.

[Predicting risk of breast cancer in postmenopausal women by hormone receptor status.](#) Chlebowski RT, Anderson GL, Lane DS, Aragaki AK, Rohan T, Yasmeen S, Sarto G, Rosenberg CA, Hubbell FA; Women's Health Initiative Investigators. J Natl Cancer Inst. 2007 Nov 21;99(22):1695-705. Epub 2007 Nov 13.

[Low-fat dietary pattern and cancer incidence in the Women's Health Initiative Dietary Modification Randomized Controlled Trial.](#) Prentice RL, Thomson CA, Caan B, Hubbell FA, Anderson GL, Beresford SA, Pettinger M, Lane DS, Lessin L, Yasmeen S, Singh B, Khandekar J, Shikany JM, Satterfield S, Chlebowski RT. J Natl Cancer Inst. 2007 Oct 17;99(20):1534-43. Epub 2007 Oct 9.

[Clinicians need to redesign their clinical practices to further stimulate the adoption of electronic health records.](#) Yellowlees P. Medscape J Med. 2008 Jun 2;10(6):129.

[Standards-based, open-source electronic health record systems: a desirable future for the U.S. health industry.](#) Yellowlees PM, Marks SL, Hogarth M, Turner S. Telemed J E Health. 2008 Apr;14(3):284-8.

[Can virtual reality be used to conduct mass prophylaxis clinic training? A pilot program.](#) Yellowlees P, Cook JN, Marks SL, Wolfe D, Mangin E. Biosecur Bioterror. 2008 Mar;6(1):36-44.

[3-D telestration: a teaching tool for robotic surgery.](#) Ali MR, Loggins JP, Fuller WD, Miller BE, Hasser CJ, Yellowlees P, Vidovszky TJ, Rasmussen JJ, Pierce J. J Laparoendosc Adv Surg Tech A. 2008 Feb;18(1):107-12.

[Community health information sources--a survey in three disparate communities.](#) Dart J, Gallois C, Yellowlees P. Aust Health Rev. 2008 Feb;32(1):186-96.