

Activity Report
Washington State Institutional Review Board
Fiscal Year 2002

April 2003

Washington State Department of Social and Health Services
Management Services Administration
Research and Data Analysis Division
Human Research Review Section

ACTIVITY REPORT

**DEPARTMENT OF SOCIAL AND HEALTH SERVICES
DEPARTMENT OF HEALTH
DEPARTMENT OF LABOR & INDUSTRIES**

WASHINGTON STATE INSTITUTIONAL REVIEW BOARD

Fiscal Year 2002

April 2003

Department of Social and Health Services
Management Services Administration
Research and Data Analysis
Human Research Review Section
Olympia, Washington 98504-5205

When ordering please refer to
Report # 11.110

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ACKNOWLEDGEMENTS

This report is dedicated to the past and present members of the Washington State Institutional Review Board, who have contributed their time and expertise to represent the interests of those who have been asked to participate as subjects in research conducted within the jurisdiction of the Department of Social and Health Services, the Department of Health, and the Department of Labor and Industries.

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EXECUTIVE SUMMARY

THIS REPORT PROVIDES AN OVERVIEW OF THE WASHINGTON STATE INSTITUTIONAL REVIEW BOARD, FORMERLY KNOWN AS THE DSHS/DOH HUMAN RESEARCH REVIEW BOARD. IT SUMMARIZES THE BOARD'S AUTHORITY AND FUNCTIONS, OUTLINES THE HUMAN RESEARCH REVIEW PROCESS, AND DESCRIBES MAJOR ACTIVITIES DURING FISCAL YEAR 2002. IT ALSO INCLUDES A LOG OF ALL RESEARCH PROJECTS WHICH WERE REVIEWED DURING THIS PERIOD.

Under Federalwide Assurances with the Department of Health and Human Services, the Washington State Institutional Review Board must review and approve all research (except exempted categories) sponsored by the Department of Social and Health Services (DSHS), the Department of Health (DOH), or the Department of Labor and Industries (L&I), conducted by or under the direction of any employee of agent of these state agencies, using any DSHS, DOH, or L&I property or facility, or using any non-public information held by these state agencies to identify or contact human research subjects or prospective subjects.

The review process is intended to protect the rights and welfare of subjects participating in the research, and to assure that the research is sound and is likely to produce benefits which are greater than the risks to subjects. The review also protects the departments from liability resulting from improperly conducted research.

The Washington State Institutional Review Board is comprised of professionals working both within and outside these three state agencies. Each Board also has at least one community representative. Board members volunteer a substantial amount of their time to review proposals submitted by researchers. The membership of Review Board A and Review Board B is shown on pages v and vii.

The Review Board receives administrative support from the Human Research Review Section in the Department of Social and Health Services. Staff in the Section also serve as the Executive Secretary and Associate Executive Secretary of the Board.

More information about the departments' human research review policies and procedures, and copies of the *Washington State Agency Policy on Protection of Human Research Subjects* (revised April 14, 2003) and the departments' Research Application forms, are available on the Review Section's website: <http://www1.dshs.wa.gov/rda/hrrs/>. You may contact the Review Section at (360) 902-8075 or by email at: wsirb@dshs.wa.gov.

ACTIVITY REPORT

Department of Social and Health Services
Department of Health
Department of Labor and Industries

Washington State Institutional Review Board

Fiscal Year 2002

I. PURPOSE

The Department of Social and Health Services (DSHS), Department of Health (DOH), and Department of Labor and Industries (L&I) are responsible for protecting the rights and welfare of clients, employees, and members of the general public who serve as subjects in research within the departments' jurisdiction. DSHS/DOH/L&I have fulfilled this responsibility by establishing a formal policy for the protection of human subjects, and by maintaining a standing Institutional Review Board (IRB) which operates under the auspices of Federalwide Assurances (FWAs) with the federal Department of Health and Human Services. The Washington State Institutional Review Board housed in the Department of Social and Health Services is the IRB for the three state agencies.

The Washington State Institutional Review Board has primary responsibility for implementing the departments' human subjects protection policy. The Review Board conducts an ethical and a technical review of proposed research to assure that the rights and welfare of subjects are adequately protected, and that risks are minimized, are not unreasonable, and are outweighed by potential benefits. The review must also determine that the proposed design and methods are adequate and appropriate in light of stated project objectives.

II. AUTHORITY

The departments' human subjects protection policy complies with federal regulation (45 CFR 46) and with protective requirements of state law (e.g., RCW 42.48; RCW 70.02). Washington Administrative Code (WAC 388-10), DSHS Administrative Policy 12.01, DOH Administrative Policy 03.001, and L&I Administrative Policy 9.43, prohibit any departmental service or administrative unit from allowing the conduct of research and related activities until the plans or protocols have been approved by the Review Board. The departments' policy and procedures are described more fully in the *Washington State Agency Policy on Protection of Human Research Subjects*, revised April 14, 2003, available to download from our website: <http://www1.dshs.wa.gov/rda/hrrs/>.

III. ACTIVITIES SUBJECT TO BOARD REVIEW

Except for research activities specifically exempted in the *Washington State Agency Policy on Protection of Human Research Subjects*, Section XI, the departments' human research review policy applies to all research and related activities that are (i) sponsored by DSHS/DOH/L&I, (ii) conducted by an employee or agent of DSHS/DOH/L&I, (iii) which use any DSHS/DOH/L&I property or facility, or (iv) which involve the use of DSHS/DOH/L&I non-public information to identify or contact human research subjects or prospective subjects. The policy applies to research and related activities contracted by DSHS/DOH/L&I to non-departmental organizations or individuals, regardless of whether the research involves department clients or a nondepartmental subject population.

A definition of research and a list of categories of research that are exempt from review are provided in the *Washington State Agency Policy on Protection of Human Research Subjects*, Sections IV and XI. In addition, Guidelines developed by the Centers for Disease Control and Prevention, on our website: <http://www1.dshs.wa.gov/rda/hrrs/>, are helpful in distinguishing between public health research and public health practice. However, these documents may not always provide enough information to distinguish between research and related activities that are subject to review and administrative data collection or program monitoring activities that are not subject to review. If in doubt, researchers and program managers should contact Review Section staff to determine the boundaries of Review Board jurisdiction.

IV. ADMINISTRATION

The DSHS Human Research Review Section is a three-person administrative unit that provides staff support to the Review Board, and coordinates and administers the human research review policy. The Section Coordinator and Review Coordinator provide liaison between DSHS/DOH/L&I and other agencies and institutions on human subjects protection issues. The Section Coordinator serves as the Executive Secretary of the Review Board, the Review Coordinator as the Associate Executive Secretary.

Research proposals requiring Board review must be submitted on the departments' application forms. Research application forms may be downloaded from the Review Section's website. Review Section staff are available to assist researchers in completing their applications, and to consult on jurisdictional and policy or procedural questions. Department researchers and managers who are unsure of whether a proposed activity requires Board review should consult with Review Section staff.

V. REVIEW BOARD FUNCTIONS

The primary function of the Washington State Institutional Review Board is to protect the interests of individuals participating in research within the departments' jurisdiction. An important secondary function is to provide DSHS/DOH/L&I management with the necessary expertise to determine whether proposed research is valid, worthwhile, and in compliance with federal and state statutes and regulations. DSHS/DOH/L&I administrators, managers, and supervisors are encouraged to refer all inquiries regarding human subjects research to the Review Section.

VI. REVIEW BOARD MEMBERSHIP

Review Board members are chosen to represent the diversity of programs administered by DSHS/DOH/L&I, and to provide the necessary expertise to conduct a thorough ethical and technical review of proposed research. The Review Board is comprised of Board A, a general purpose board, and Board B, which specializes in the review of mental health, public health, and alcohol and substance abuse proposals but also reviews other areas of research.

Each Review Board includes at least two physician members who are licensed to prescribe drugs in Washington State and at least one member whose primary interests are in nonscientific areas. The majority of Board members have graduate level training in statistics, research design, and research methods, and many are employed in scientific research positions. Each Board retains at least one member whose primary interest is in advocating for the rights of department clients, patients, or wards. Although the majority of members are department employees, the Board also includes university faculty and representatives of the general community who are unencumbered by possible departmental interests. The current membership of Review Board A and Review Board B is listed on pages v and vii.

VII. REVIEW PROCESS

Investigators wishing to conduct human subjects research which falls under DSHS/DOH/L&I jurisdiction should submit their application to the Review Section. Depending on the nature, scope, and complexity of the proposed research, applications are either referred to one of the Review Boards for consideration at a regularly scheduled meeting, or are reviewed by two or more Board members through the expedited process (See Washington State Agency Policy on the Protection of Human Research Subjects, Section X for activities that are eligible for expedited review).

Proposals that require full Board review are pre-reviewed before they are placed on the agenda of a Board meeting. An electronic copy of a proposal for full Board review must be submitted no later than the application deadline for the meeting. Researchers will be informed of the results of the pre-review no later than a week after the application deadline. Researchers then have one week to either revise their application or submit supplemental information as an addendum to their application before the proposal is sent to Board members prior to the meeting. One member is asked to be the "primary reviewer" and to present the proposal to the Board at the meeting. Occasionally, the researcher is invited to attend the meeting to respond to questions or concerns or to provide supplementary information.

The criteria for approval of research are listed in the *Washington State Agency Policy on the Protection of Human Research Subjects*, Section VII. The Board also uses the *WSIRB Review Worksheet*, published by the Review Section and on the website, as a checklist to promote thorough and consistent reviews of all research proposals.

Following presentation of the proposal the primary reviewer is asked for a disposition recommendation. When the motion has been made and seconded, other members are invited to share their comments and/or concerns about the proposal with the Board. The disposition motion may be amended or withdrawn on the basis of the additional discussion.

Final disposition of the proposal is decided by a simple majority vote of all members present at the meeting. The Board may approve the proposal as submitted, approve the proposal subject to specified conditions, hold the proposal in abeyance pending submission of supplemental information, or disapprove the proposal.

Unfavorable review dispositions (i.e., disapproval, restrictions, special approval conditions) are binding and not subject to administrative override. Researchers may appeal unfavorable review dispositions directly to the Review Board. Each proposal approved by the Board is subject to administrative review and concurrence by the appropriate DSHS/DOH/L&I division director or assistant secretary.

If approved research is to be conducted within departmental offices, institutions, or other facilities, the Review Section will provide local administrators with information on Board approved procedures, with a request that they supervise the research to ensure that these procedures are followed.

VIII. MAJOR ACTIVITIES: FISCAL YEAR 2002

Human Subject Protection Activities at the National Level

In a ruling in the summer of 2001 by the Maryland Appeals Court in the case of Grimes vs. Kennedy Krieger Institute, Inc., the Appeals Court overturned a decision for summary judgment in favor of the defendants made by the Circuit Court for Baltimore. The case involved alleged negligent actions of researchers who conducted a study of partial lead abatement of housing units in Baltimore. Apparently, families with small children were recruited into the study and encouraged to remain in partially lead-abated housing units so the children's blood could be periodically analyzed for elevated blood levels. Ostensibly, the study intended to identify the least amount of abatement that would be effective in protecting children's health. The Maryland Appeals Court was so offended by this case that they stated in their opinion parental consent was not sufficient for the participation of healthy children in "non-therapeutic" research. The implication appeared to be that, henceforth, at least in Maryland, all such research requires judicial review.

Several activities at the federal level were motivated by the call for changes to the human subjects protection system following the death of a participant in a gene transfer trial at the University of Pennsylvania in 1999, the death of a healthy volunteer in early 2001 at a Johns Hopkins-affiliated medical facility, and suspensions of research involving human subjects at a number of prominent research institutions over the past few years. In November 2001, the U.S. General Accounting Office issued a report on financial conflicts of interest (COI) in human subjects research. A portion of the report focused on how such conflicts may impact research participants and the role of IRB's in evaluating conflict of interest. Current federal regulations do not specify the IRB's role in identifying, managing, monitoring, or preventing financial COI, although 45 CFR 46 does prohibit individual IRB members from participating in the review of research in which they have a conflict of any kind.

In addition, there has been a movement for accreditation of IRB's and certification of individual IRB professionals in human subjects protection. For-profit agencies now offer a program of self-assessment, site visits, and development of performance standards for IRB's and human subjects protection systems within institutions. The Veteran's Administration is the only federal agency which requires accreditation of human subjects protection programs.

The charter which authorized the National Bioethics Advisory Commission (NBAC) expired and the commission disbanded in October 2001. The NBAC issued its final report, in which it recommended changes to the current system of protection of human research subjects. NBAC recommended creation of a single, independent agency to provide oversight of human subjects research, and development of a comprehensive federal policy comprising a single set of regulations which would apply to *all* research involving humans. President Bush planned to establish another council to advise on bioethical issues.

In November 2001, the Department of Health and Human Services issued the final revised rule regarding additional protections for pregnant women and human fetuses involved in research (45 CFR Part 46, Subpart B). The revised rule requires the consent of the father, with some exceptions, if the proposed research is directed at the fetus exclusively. Only the consent of the mother is required when the research may offer no benefit to her or the fetus and the risk to the fetus is minimal, provided the study could potentially increase scientific knowledge. All initial and continuation reviews conducted by IRB's after the implementation date of the rule must be reviewed in accordance with the rule.

The federal Office for Human Research Protections announced a voluntary Quality Improvement Program for human subject protection programs. The focus is collaborative, focusing on consultation, advice, and support to institutions. The QI program consists of three stages: agency self-assessment, implementing quality improvement procedures, and continual quality improvement and self-assessment. The intent of the QI initiative is to address systemic problems in human subjects protection programs which may have contributed to incidents of noncompliance with federal regulations and failure to protect the rights of research participants at a number of prominent research institutions nationwide.

In late March 2002, the federal Department of Health and Human Services revised the privacy rules under the Health Insurance Portability and Accountability Act (HIPAA). The public comment period was extended to the end of April 2002. In terms of research activities, the revised rule removes the requirement for a separate signed release for disclosure of medical records; it also eliminates some criteria for IRB approval of disclosure of medical records without the consent of the patient, so that the revised rule more closely resembles 45 CFR Part 46.

The National Institutes of Health created a web-based resource regarding Certificates of Confidentiality, including their purpose, how to obtain one, and who to contact at NIH (<http://grants2.nih.gov/grants/policy/coc/index.htm>). Certificates are intended for research involving sensitive issues or information, and protect the researcher from forcible

disclosure (through subpoena, court order, etc.) of identifiable research information. The Review Board often recommends that researchers obtain a Certificate.

NIH issued a proposed new policy which would require researchers funded by NIH to make final research data available to other researchers for further analyses. NIH would require that plans for data sharing be described in grant applications, or if the researcher does not plan to share research data, an explanation why data cannot be shared. Under the draft policy, data intended for sharing should not contain direct identifiers or other data elements that could lead to deductive identification of individual research participants. The public comment period on the proposed requirement ended June 1, 2002.

Human Subject Protection Activities at the Local Level

The Review Section revised its criteria for disclosure of Social Security numbers for research purposes. In the future, only the last four digits will be disclosed in order to link to other data sources. This revision follows the Governor's Executive Order in 2000, which limits disclosure of personal identifiers collected and held by state agencies.

Review Board bylaws were revised to permit Board membership beyond 10 years. A "Distinguished Member" option was implemented for those members who wish to continue membership beyond the previous 10-year time limit. The first two Distinguished Members are John Steiger, Ph.D. and Dennis McBride, Ph.D.

The revised human subjects application and progress report forms were posted on the Review Section website. The revised application asks for information regarding potential financial conflict of interest; incorporates a checklist for reading levels on recruitment and consent materials; asks about inclusion of non-English speaking persons and plans to translate study documents; and includes sections for a request for a waiver of consent per 45 CFR 46 116(d).

Review Section staff developed a new DSHS policy on Research Misconduct. Administrative Policy 12.06 outlines policies and procedures for assessing allegations and conducting inquiries and investigations into possible misconduct in research. The policy/procedures are based on the model policy/procedures of the DHHS Office of Research Integrity, and meet the federal requirements for reporting and investigating possible misconduct in research supported by the U.S. Public Health Service, in accordance with 42 CFR, Part 50. This policy replaces the *Interim Policy on Scientific Misconduct* that has been in effect since 1995.

The *Guide to DSHS/DOH Policy on Protection of Human Research Subjects* was revised and has a new title: *Washington State Agency Policy on Protection of Human Research Subjects*. The revisions involve changes in exempt and expedited review categories; adding an education and training requirement for researchers, IRB staff and members; and adding information on conflict of interest and adverse event reporting requirements.

The name for the Review Board was changed to the Washington State Institutional Review Board (WSIRB), effective July 1, 2002. The name change reflects a trend toward the Board reviewing research for a growing number of state and local agencies. The new

name also is consistent with how the Board is identified at local academic and research institutions, where it is commonly known as the “State IRB.”

Also effective July 1, 2002, investigators engaged in the conduct of research and members and staff of the Washington State Institutional Review Board are required to complete education and training in the protection of human research subjects. Investigators are required to provide documentation of completion of appropriate education and training in human subjects protection with their applications for initial and continuing review of their research by the WSIRB. Initial or continuing study approval will not be extended until the DSHS Human Research Review Section (HRRS) receives confirmation that the required training has been completed. WSIRB members and staff must complete the education and training requirement within three months of their initial appointment to the WSIRB or their employment as WSIRB staff.

A half-day training for new IRB members took place on October 19, 2001 at the University of Washington. Effective July 1, 2002, the Review Section subscribed to the web-based human subjects protection course developed by the Collaborative IRB Training Initiative (CITI) at the University of Miami. The CITI provides 12 training modules in human subjects protection, with an optional thirteenth module specifically for the individual institutions that utilize the CITI training program. The CITI training course meets the new requirements for human subjects protection training of IRB members, staff, and researchers. The training also is available at no cost to all DSHS, DOH, and L&I staff on our website: <http://www1.dshs.wa.gov/rda/hrrs/hrtraining.htm>.

Plans were underway for DSHS request legislation to amend RCW 42.48 during the 2003 legislative session. This state Release of Records for Research law provides greater protections to confidential state agency records disclosed for research than otherwise would be available. This statute currently does not include the Department of Labor and Industries as a state agency covered by the law, and requires *each* state agency to establish its own IRB rather than designating another agency’s IRB as allowed under the new federal-wide assurance process. The law also would be amended to harmonize the definition of research with the federal definition and to extend special confidentiality protections to all research subjects rather than just to department clients and employees.

Late in the fiscal year, plans were developed to launch a quality improvement initiative for the Review Board. The quality improvement initiative was intended to streamline Board reviews, revise the way in which proposals are presented at convened meetings, and to increase efficiency and effectiveness of Review Board meetings. Review Board staff and the two Board Chairs met to discuss ideas about the focus of the quality improvement initiative, and to formulate recommendations for discussion with all Board members.

The Review Board changed its meeting location to the Rhodes Conference Center in downtown Tacoma, which is a facility managed by the Washington State Department of General Administration.

IX. REVIEW VOLUME AND TRENDS

Figure 1 provides three measures of Review Board activity during the past 20 years. The number of new research proposals submitted for review increased slowly during the period between 1983 to 1990, increased significantly in 1991, and has fluctuated since that time while continuing a general upward trend.

A better measure of Review Board workload is the total number of projects reviewed during the fiscal year, which includes both initial reviews of new proposals, and annual reviews of continuing projects. The total number of projects reviewed has increased 72% during the ten-year period from 1993 to 2002, from 179 in 1993 to 308 in 2002

Figure 1
Review Volume
Fiscal Years 1983 - 2002

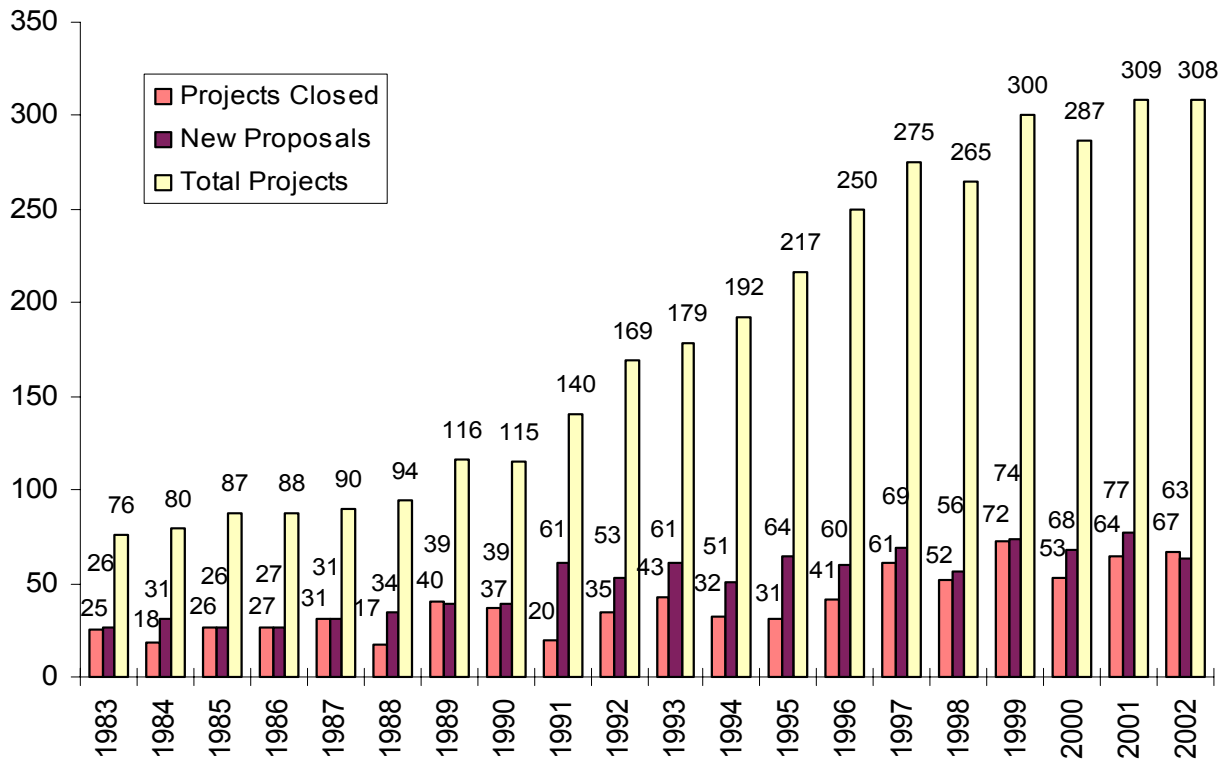


Figure 2 shows the distribution of new research proposals by agency and program for Fiscal Year 2002. Twenty-nine percent of all new proposals were for research involving Epidemiology and Health Statistics in DOH, which reflects a 7% increase from Fiscal Year 2001. Fifteen percent of all proposals reviewed this year were related to programs in DOH Community and Family Health. Four DSHS programs also accounted for a significant percentage of proposals reviewed: Division of Alcohol and Substance Abuse (10%); Medical Assistance Administration (10%); Mental Health Division (8%); and Economic Services Administration (8%).

Figure 2
 Research Proposals by Agency Program
 FY 2002
 N=63

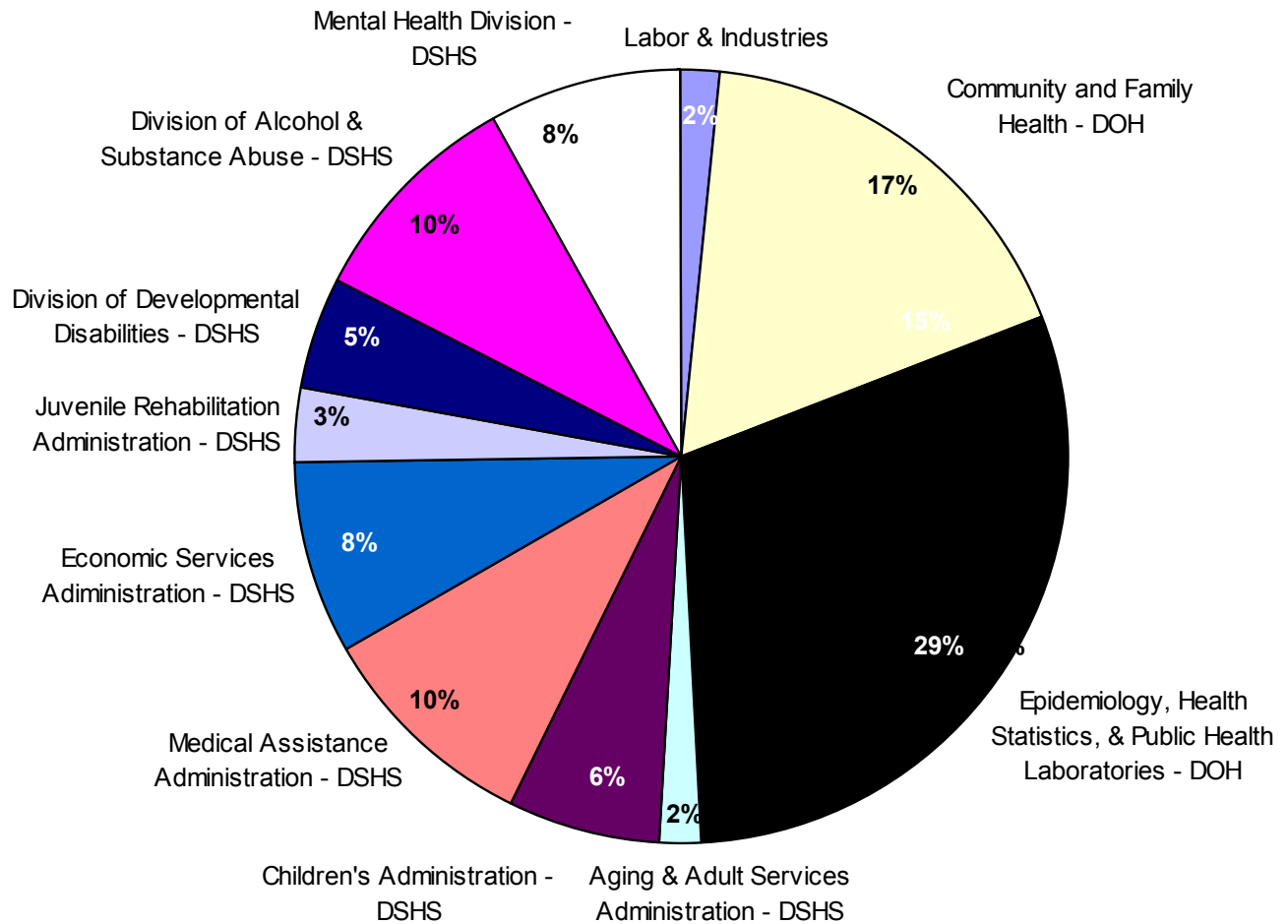
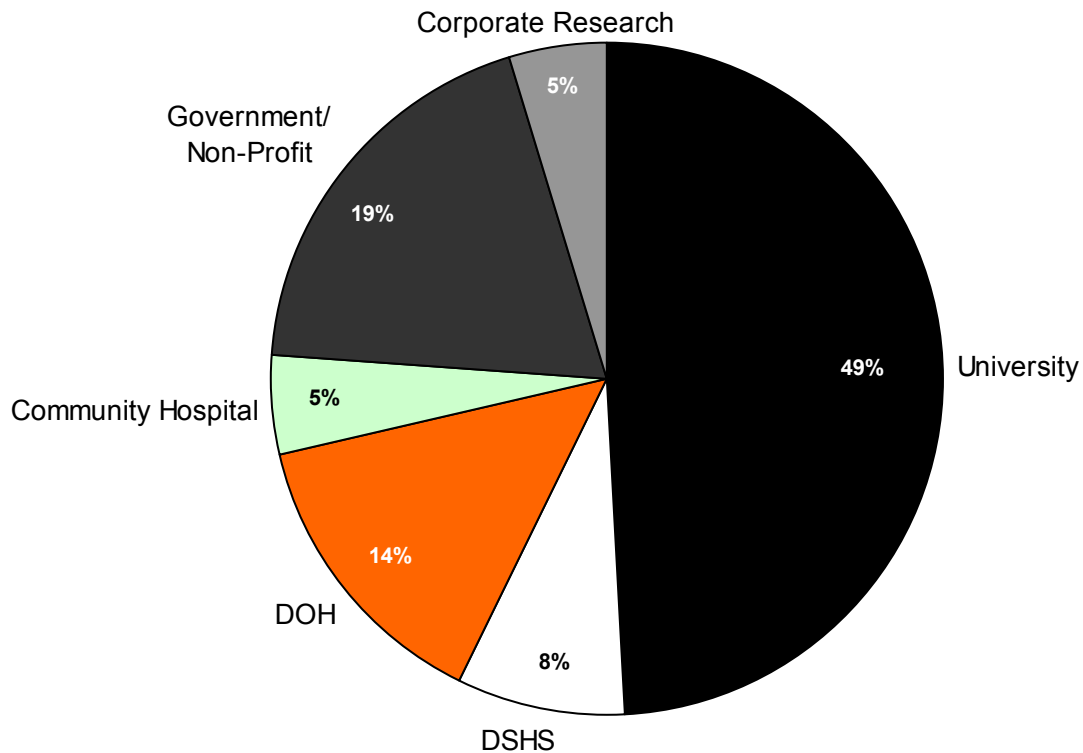


Figure 3 shows the organizational affiliation of the principal investigators for new research proposals received during Fiscal Year 2002. Forty-nine percent of the principal investigators were university-based, with the University of Washington accounting for the large majority. DSHS-affiliated researchers submitted about 8%, and DOH-affiliated researchers about 14%, of the new proposals reviewed during Fiscal Year 2002.

Figure 3
 Researcher's Affiliation
 FY 2002
 N=63



X. RESEARCH PROPOSALS: FISCAL YEAR 2002

New research proposals reviewed by the Board during Fiscal Year 2002 are listed in chronological order of receipt in the Project Log. These new proposals account for approximately one-third of the total number of ongoing research projects under the Review Board's jurisdiction at the end of Fiscal Year 2002.

Some examples of typical research conducted in the departments' jurisdiction are briefly described below. These projects are listed in the Project Log by the date of receipt, which is indicated by the numerical component in the Project Code. Projects discussed below are identified by the numerical component of the project code in parentheses.

DOH sponsored research focusing on tobacco use (062402), HIV/AIDS prevention needs (050602, 050302), child abuse (031502), and a survey of youth in public schools (110801). Studies which utilized identifiable DOH records focused on topics as varied as spinal surgery (050802), site of death (041702), health disparities for children with special health care needs (031902), perinatal outcomes (111601), racial disparities in pre-term birth (110901), CABG and PCI procedures (102901), and reproductive outcomes among flight attendants (090401).

Several studies focused on mental health issues among DSHS clients, such as a clinical trial of treatment for early onset schizophrenia (121701) and evaluations of the mental health conditions of juvenile offenders (122401, 080301). Other areas of research evaluated programs for children at risk (080601), child abuse (050102), Medicaid recipients (012902, 092801, 072301), substance abuse treatment (092401, 031902), and child support (091101).

The Review Board continues to review a variety of research projects from students, most of whom are graduate students in public health, social work, Robert Wood Johnson Clinical Scholars, as well as students in other areas of the social and health sciences. Student research over the past fiscal year involved quality of care for children under Medicaid (042302) medication errors (022502), an intervention for individuals with severe disabilities (013102), support for families with a developmentally disabled child (122601), substance abuse treatment (110801), behavioral health care in rural areas (072401), and smoking during pregnancy (072401).

The Human Research Review Section does not distribute final reports or other research products resulting from the studies under review. Information about the research listed in the Project Log, as well as research reports, should be requested directly from the principal investigator of each study.

PROJECT LOG

**Research Proposals Reviewed by the
Washington State Institutional Review Board
during Fiscal Year 2002**

PROJECT LOG KEY

Project Code

Prefix	Designates Review Board A or B
Number	Designates month, day, and year proposal received
Suffix	Designates state agency jurisdiction (S=DSHS; H=DOH; L=L&I)

Program

Department of Social and Health Services

A&AS	Aging and Adult Services
CA	Children's Administration
DASA	Division of Alcohol and Substance Abuse
DDD	Division of Developmental Disabilities
DVR	Division of Vocational Rehabilitation
ESA	Economic Services Administration
JRA	Juvenile Rehabilitation Administration
MAA	Medical Assistance Administration
MHD	Mental Health Division

Department of Health

CFH	Community and Family Health
EHS	Epidemiology, Health Statistics, & Public Health Laboratories
HSQA	Health Systems Quality Assurance
EHP	Environmental Health Programs

Department of Labor and Industries

SHARP	Safety and Health Assessment & Research for Prevention
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Status

Ongoing	Project pending final approval, or approved and continuing
Canceled	Project was discontinued
Completed	Project was finished
Suspended	Project activity on hold
Exempt	Project was reviewed and found to be outside of the HRRB jurisdiction

Project Code	Proposal Title and Principal Investigator	Program	July 1, 2002 Status
A-070301-H	"Rapid MR vs. X-Ray: Randomized Outcome Trial for Back Pain", Jeffrey G. Jarvik, M.D., Department of Radiology, University of Washington	EHS	Ongoing
A-070901-S	"Descriptive Study of the Care of Chronically Ill Patients Residing in Noninstitutional Settings", Pamela Pasquale, School of Nursing, University of Washington	A&AS	Canceled
A-072301-S	"Postcard Advertisements for Enhancing Use of Medicaid Dental Benefits in Yakima County", Susan E. Coldwell, Ph.D., Dental Public Health Sciences, University of Washington	MAA	Ongoing
A-072401-H	"Smoking during First Pregnancy and Risk of Breast Cancer", Lisa A. De Roo, M.P.H., Fred Hutchinson Cancer Research Center	CFH	Ongoing
B-072401-S	"Rural Behavioral Health Care in Washington State", Brooklyn Brown-Northrup, M.S.W., Heller School of Advanced Studies in Social Welfare Policy, Brandeis University	MHD	Ongoing
B-080301-S	"Clinical Evaluation of the JRA Co-Occurring Disorders Project", Eric W. Trupin, Ph.D., Department of Psychiatry & Behavioral Sciences, University of Washington	JRA	Ongoing
A-080601-S	"Tukwila Community Schools Collaboration", Jean B. Lanz, Ph.D., Children's Administration, Department of Social & Health Services	CA	Ongoing
A-080701-H	"Youth Empowerment Survey", Julia Dilley, M.E.S., Tobacco Prevention & Control Program, Department of Health	CFH	Ongoing
B-080701-H	"Healthy Youth Survey 2001", Julia Dilley, M.E.S., Tobacco Prevention & Control Program, Department of Health	CFH	Ongoing
A-080801-S	"A Comparison of Welfare Results Since the Implementation of TANF", Andrea Coon, Department of Economics, University of Utah	ESA	Canceled

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B-080901-H	"Focus Groups to Assess Barriers to Colorectal Cancer Screening", Lauren Jenks, M.P.H., Office of Epidemiology, Department of Health	EHS	Ongoing
A-082001-S	"Kinship Caregivers in Washington State", Jim Mayfield, M.A., Washington State Institute for Public Policy	CA	Ongoing
B-083001-H	"Public Cost of Motor Vehicle Injuries to Unrestrained Occupants", Anna Yamada, M.A., Washington Traffic Safety Commission	EHS	Ongoing
A-090401-H	"Reproductive Outcomes among Female Flight Attendants", Elizabeth A. Whelan, Ph.D., National Institutes for Occupational Safety & Health	EHS	Ongoing
B-091001-S	"Characteristics of Adolescents with Multiple Parasuicidal Events", Cindy Smith, M.D., M.P.H., Children's Hospital & Regional Medical Center	MHD	Canceled
A-091101-S	"Parent Access to Child Support Enforcement Services", Ruth Ann Dorrill, M.P.A., Office of Inspector General, Department of Health & Human Services	ESA	Ongoing
A-091801-H	"Evaluation of the Pediatric Trauma Designation System in Washington State", Monica S. Vavilala, M.D., Harborview Medical Center	EHS	Ongoing
B-092001-S	"Cognitive Complexity and Managerial Leadership Skills of Assistant Nurse Managers", Gail J. Ray, Ph.D., Intercollegiate School of Nursing, Washington State University	MHD	Ongoing
B-092401-S	"1996 Discharge Co-Occurring Disorders Project", Gary B. Cox, Ph.D., Alcohol & Drug Abuse Institute, University of Washington	DASA	Ongoing
A-092801-S	"Avoidable Hospitalizations among Medicaid Recipients", Stephen C. Lerch, Ph.D., Washington State Institute for Public Policy	MAA	Ongoing
A-092901-H	"Northwest Tribal Registry Project", Mark R. Stenger, M.A., Infectious Disease & Reproductive Health Assessment Unit, Department of Health	CFH	Ongoing

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B-100401-H	“Justice System Response and Recurrence of Partner Violence”, Victoria L. Holt, Ph.D., Department of Epidemiology, University of Washington	EHS	Ongoing
B-100501-S	“Net Impact and Cost-Benefit Evaluation of Washington State’s Workforce Training System”, John Bauer, Ph.D., Workforce Training & Education Coordinating Board	ESA	Ongoing
B-100801-S	“Welfare-to-Work Housing Voucher Evaluation”, Gregory B. Mills, Ph.D., Abt Associates, Bethesda, Maryland	ESA	Ongoing
A-101001-S	“Outpatient Gastroenteritis Treatment in Children”, Su-Ting T. Li, M.D., Child Health Institute, University of Washington	MAA	Ongoing
A-102201-S	“Intussusception and OPV: Is There an Association?”, Su-Ting T. Li, M.D., Child Health Institute, University of Washington	MAA	Ongoing
A-102901-H	“Mother-Child Dental Utilization and Low Birthweight”, Philippe P. Hujoel, M.S.D., Ph.D., Department of Dental Public Health Sciences, University of Washington	EHS	Ongoing
B-102901-H	“Re-Admissions Following CABG or PCI Procedures in Washington State”, J. Richard Goss, M.D., M.P.H., Clinical Outcomes Assessment Program, University of Washington	EHS	Ongoing
B-110601-H	The Accuracy of Maternally Linked Birth Records in Washington”, Mona Lydon-Rochelle, Ph.D., M.P.H., School of Nursing, University of Washington	EHS	Ongoing
A-110801-H	“Healthy Youth Survey 2002”, Lillian Bensley, Ph.D., Office of Epidemiology, Department of Health	EHS	Ongoing
B-110801-S	“Substance Abuse Treatment for Sexual Minorities”, Bryan N. Cochran, M.S., Department of Psychology, University of Washington	DASA	Ongoing

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A-110901-H	Mechanisms for Racial Disparity in Preterm Birth (A Better Chance Project)", Jane E. Hitti, M.D., Department of Obstetrics/Gynecology, University of Washington	EHS	Ongoing
B-111401-S	"Washington State Needs Assessment Household Survey 2001-2004", David Mancuso, Ph.D., Research & Data Analysis Division, Department of Social & Health Services	DASA	Ongoing
B-111501-H	"The Epidemiology of Abruptio Placentae", Michelle A. Williams, Sc.D., Swedish Medical Center	EHS	Canceled
A-111601-H	"Perinatal Outcomes after Fetal Death", Kay Tomashek, M.D., M.P.H., Division of Reproductive Health, Centers for Disease Control & Prevention	EHS	Ongoing
A-121701-S	"The Role of Men in Family Formation and Parenting", Renate Forste, Ph.D., Department of Sociology, Brigham Young University	ESA	Ongoing
B-121701-S	"Treatment of Early Onset Schizophrenia and Schizoaffective Disorders", Jon M. McClellan, M.D., Child Study & Treatment Center, Department of Social & Health Services	MHD	Ongoing
B-122401-S	"Mental Health and Juvenile Justice: Building a Model for Effective Service Delivery", Eric W. Trupin, Ph.D., Department of Psychiatry & Behavioral Sciences, University of Washington	JRA	Ongoing
B-122601-S	"Family Support for Families of Color in Washington", Elizabeth A. Arjun, M.S.W., School of Public Health & Community Medicine, University of Washington	DDD	Ongoing
A-012902-S	"Quality of Care Received by Children with Sickle Cell Anemia", Colin Sox, M.D., Child Health Institute, University of Washington	MAA	Ongoing
A-013102-S	"The Effect of Vestibular Stimulation on Back Extensor Tone", Jeanne M. Shepard, Department of Occupational Therapy, University of Washington	DDD	Ongoing

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B-013102-S	"Long OP Co-Occurring Disorders Project", Gary B. Cox, Ph.D., Alcohol & Drug Abuse Institute, University of Washington	DASA	Ongoing
A-020102-H	"Seasonal Farmworkers HIV/AIDS Needs Assessment", Frances Munet-Vilaró, Ph.D., R.N., Washington Association of Community & Migrant Health Centers	CFH	Canceled
B-020402-H	"Evaluation of Tobacco Cessation Telephone Counseling Service for Youth and Young Adults", Julia Dilley, M.E.S., Tobacco Prevention & Control Program, Department of Health	CFH	Ongoing
B-020602-S	"Evaluation of Polypharmacy in an Inpatient Psychiatric Hospital", Alice Basford, Cardiff University, Wales	MHD	Completed
B-022502-S	"Evaluation of Medication Administration and Errors in an IMR Facility", Mark R. Charlton, Gonzaga University, Spokane	DDD	Ongoing
A-031102-H	"Birth to Capture Rate: A Study on Mobility and Continuation in the Seattle Public Schools", Patrick O'Hagan, M.A., Seattle Public Schools	EHS	Ongoing
A-031502-S	"Student Survey of Risk and Protective Factors", Michael Arthur, Ph.D., Social Development Research Group, University of Washington	DASA	Ongoing
B-031502-H	"Community Perceptions Regarding Child Abuse", Lillian Bensley, Ph.D., Office of Epidemiology, Department of Health	EHS	Ongoing
A-031802-L	"Capture-Recapture Estimates of Workplace Injury Rates", Les I. Boden, Ph.D., School of Public Health, Boston University	SHARP	Ongoing
A-031902-H	"Development of Indicators for Measurement of Health Disparities for Children with Special Health Care Needs", Shervin S. Churchill, M.P.H., Children's Hospital & Regional Medical Center	EHS	Ongoing

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B-031902-S	“Effectiveness of Specialized Treatment for Women with Children”, Robert G. Orwin, Ph.D., WESTAT, Rockville, Maryland	DASA	Ongoing
A-040802-H	“Trauma Survivors Outcome and Support (TSOS) Study”, Douglas F. Zatzick, M.D., Harborview Medical Center	EHS	Ongoing
A-041702-H	“Geography of the Site of Death”, Maria J. Silveira, M.D., M.P.H., Division of General Medicine, University of Michigan	EHS	Ongoing
B-042302-S	“Perceived Delay in Accessing Care for Children with Medicaid: Predictors and Effects of Utilization”, Alison Galbraith, M.D., School of Public Health & Community Medicine, University of Washington	MAA	Ongoing
B-050102-S	“Atypical Immersion Burns in Young Children”, Naomi F. Sugar, M.D., Harborview Medical Center	CA	Ongoing
A-050302-H	“HIV/AIDS Knowledge and Prevention Needs Assessment of Seasonal Migrant Farm Workers”, Frances Munet-Vilaró, Ph.D., Washington Association of Community & Migrant Health Centers	CFH	Ongoing
B-050302-H	“Promoting the Health and Well-Being of Adolescents with Disabilities”, Romel W. Mackleprang, Ph.D., School of Social Work, Eastern Washington University	CFH	Ongoing
A-050602-H	“Washington State HIV/AIDS Testing Survey (HITS) Interview Project”, Maria Courogen, M.P.H., Infectious Disease & Reproductive Health Assessment Unit, Department of Health	CFH	Ongoing
A-050702-H	“Identification of Pertussis Transmission Sources among Infants Aged <4 Months”, Charla DeBolt, R.N., M.P.H., Communicable Diseases/ Immunizations, Public Health--Seattle & King County	CFH	Ongoing
A-050802-H	“Epidemiology of Spinal Surgery: Rates and Trends”, Richard A. Deyo, M.D., Department of General Internal Medicine, University of Washington	EHS	Ongoing

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B-061802-S	"GAPS: Getting Appropriate Practices for Status Offenders", Suzy G. McCausland, Ph.D., Merit Research Corporation, Vancouver, Washington	CA	Ongoing
B-062402-H	"Evaluating a Tobacco Cessation Telephone Counseling Services", Julia Dilley, M.E.S., Tobacco Prevention & Control Program, Department of Health	CFH	Ongoing



Research and Data Analysis Division
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