

CURRICULUM VITAE

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Health Economics Resource Center (152)
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Educational Background

University of California, San Diego, Ph.D. in Economics, August, 1987.
University of California, San Diego, M.A. in Economics, March 1982.
St. Lawrence University, Canton, New York, B.A. in Economics May 1979.

Research and Professional Experience

1979-1984, 1986-1987 Teaching Assistant, Department of Economics, University of California, San Diego.

1984-1986 Associate Specialist, Community and Organization Research Institute, University of California, Santa Barbara.

1987-1989 Postdoctoral fellow in the University of California, Berkeley/University of California, San Francisco Health Services Research Training Program

1989-1990 Assistant Professor of Health Economics, School of Public Health, Columbia University.

1990-1991 Research Associate, Institute for Health Policy Studies, University of California, San Francisco.

1991-present Research Economist, Center for Health Care Evaluation, and Cooperative Studies Program, Veterans Affairs Palo Alto Health Care System, Palo Alto, California.

1992-present Consulting Assistant (92-01), Associate Professor (01-04), Department of Health Research and Policy; Consulting Associate Professor (04-), Department of Pediatrics, Stanford University School of Medicine, Stanford, California.

1995, 1998 Visiting Assistant Professor, Department of Economics, Stanford University

1999-present Research Economist, Associate Director (99-03), Health Economics Resource Center, Veterans Affairs Palo Alto Health Care System, Palo Alto, California.

1999-present Research Associate, Center for Health Policy and Center for Primary Care and Outcomes Research, Stanford University, Stanford, California.

2009-present Associate Director, Women's Health Evaluation Initiative, Veterans Affairs Palo Alto Health Care System, Palo Alto, California.

Bibliography

- Phibbs CS**, Williams RL, Phibbs RH. Newborn Risk Factors and the Costs of Neonatal Intensive Care. *Pediatrics*. 1981;68(3):313-21.
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- Garnick DW, Lichtenberg E, **Phibbs CS**, Luft HS, Peltzman DJ, McPhee SJ. The Sensitivity of Conditional Choice Models for Hospital Care to Estimation Technique. *Journal of Health Economics*. 1989;8(4):377-397.
- Robinson JC, **Phibbs CS**. An Evaluation of Medicaid Selective Contracting in California. *Journal of Health Economics*. 1989;8(4):437-455.
- Luft HS, Garnick DW, Mark DH, Peltzman DJ, **Phibbs CS**, Lichtenberg E, McPhee SJ. Does Quality Influence Choice of Hospital. *Journal of the American Medical Association*. 1990;263(21):2899-2906.
- Luft HS, Garnick DW, **Phibbs CS**, Peltzman DJ, Lichtenberg E, McPhee SJ. A Model to Simulate the Effects of Hospital Quality and Charges on Choice of Hospital. *Journal of Health Care Marketing*, 1991;11(3):2-11.
- Phibbs CS**. The Economic Implications of Prenatal Substance Exposure. *The Future of Children*. 1991;1(1):113-120.
- Phibbs CS**, Bateman DA, Schwartz RM. The Neonatal Costs of Maternal Cocaine Use. *Journal of the American Medical Association*. 1991;266(11):1521-1526.
- Phibbs RH, Tooley WH, Ballard RA, Sniderman SH, Clements JA, Schlueter M, Wakeley A, Heilbron DC, **Phibbs CS**. Initial Clinical Trial of Exosurf, A Protein-Free Synthetic Surfactant for the Prevention and Early Treatment of Hyaline Membrane Disease. *Pediatrics*. 1991;88(1):1-9.
- Schwartz RM, Michelman T, Pezzullo J, **Phibbs CS**. Explaining Resource Consumption Among Non-Normal Neonates. *Health Care Financing Review*. 1991;13(2):19-28.
- Korenbrod CC, **Phibbs CS**, Lamb-Abel BJ. Professional Liability Reform and Access to Medicaid Obstetric Care in New York State. *New York State Journal of Medicine*. 1992;92(6):237-245.
- Phibbs CS**, Mortensen L. Back Transporting Infants From Neonatal Intensive Care Units to Community Hospitals for Recovery Care: Effect on Total Hospital Charges. *Pediatrics*. 1992;90(4):22-26.
- Scheffler RM, Feuchtbaum L, **Phibbs CS**. The Cost-Effectiveness of the California Diabetes and Pregnancy Program. *American Journal of Public Health*. 1992;82(2):168-175.
- Phibbs CS**, Mark DH, Luft HS, Peltzman DJ, Garnick DW, Lichtenberg E, McPhee SJ. Choice of Hospital for Delivery: A Comparison of High-Risk and Low-Risk Women. *Health Services Research*. 1993;28(2):201-222.
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- of Synthetic Surfactant Therapy for Neonatal Respiratory Distress Syndrome. *The Journal of Pediatrics*. 1993;123(6):953-62.
- Phibbs CS**, Robinson JC. A Variable Radius Measure of Hospital Market Structure. *Health Services Research*. 1993;28(3):313-324.
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- Phibbs CS**, Luft HS. Correlation of Travel Time on Roads Versus Straight Line Distance. *Medical Care Research and Review*. 1995;52(4):532-542.
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- Humphreys K, **Phibbs CS**, Moos RH. Addressing Self-Selection Effects in Evaluations of Mutual Help Groups and Professional Mental Health Services: An Introduction to Two-Stage Sample Selection Models. *Evaluation and Program Planning*. 1996;19(4):301-308.
- Phibbs CS**, Bronstein JM, Buxton E, Phibbs RH. The Effects of Patient Volume and Level of Care on Neonatal Mortality. *Journal of the American Medical Association*. 1996;276(13):1054-1059.
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- Bernzweig J, Takayama JI, **Phibbs C**, Lewis C, Pantell R. Gender Differences in Physician-Patient Communication: Evidence From Pediatric Visits. *Archives of Pediatrics and Adolescent Medicine*. 1997;151(6):586-591.
- Phibbs CS**, Swindle RW, Recine BP. Does Case-Mix Matter for Substance Abuse Treatment? A Comparison of Observed and Case-Mix Adjusted Readmission Rates for Inpatient Substance Abuse Treatment in the Department of Veterans Affairs. *Health Services Research*. 1997;31(6):755-771.
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- Mooney C, Zwanziger J, **Phibbs CS**, Schmitt S. Is Travel Distance a Barrier to Veterans' Use of VA Hospitals for Medical-Surgical Care. *Social Science and Medicine*. 2000;50(12):

1743-1755.

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- Baker LC, **Phibbs CS**. Managed Care, Technology Adoption, and Health Care: The Adoption of Neonatal Intensive Care. *RAND Journal of Economics*. 2002;33(3):524-548.
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- Cohen HJ, Feussner JR, Weinberger M, Carnes M, Hamdy RC Hsieh F, **Phibbs C**, Lavori P. A Controlled Trial of Inpatient and Outpatient Geriatric Evaluation and Management. *New England Journal of Medicine*. 2002;346(12):905-912.
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- Holodniy M, Lavori P and the THINRS Executive Committee and Site Investigators. Impact of Home INR Testing on Clinical Events: The Home INR Study (THINRS). , *New England Journal of Medicine* 2010 363(17):1608-1620.
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- Chung JH, **Phibbs CS**, Boscardin WJ, Kominski GF, Ortega AN, Gregory KD, Needleman J. Examining the Effect of Hospital-Level Factors on Mortality of Very Low Birth Weight Infants Using Multilevel Modeling. *Journal of Perinatology*, 2011;31(12):770-775.
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- De Cordova P, **Phibbs CS**, Bartel AP, Stone PW. Twenty-Four / Seven: A mixed-method systematic review of the off-shift literature. *In press, Journal of Advanced Nursing*, 2012.
- Spetz J, Burgess J, **Phibbs CS**. What Determines Successful Implementation Of Inpatient Information Technology Systems? *In press, American Journal of Managed Care*, 2012.
- papers under review
- Baker LC, Afendulis CA, Chandra A, Fuentes-Afflick E, McConville S, **Phibbs, CS**. Racial and Ethnic Differences in NICU Access for Very Low Birthweight Infants in California, 1995-2001. Draft, Stanford University, July 2007.
- Bartel, AP, Beaulieu N, Phibbs CS, Stone PW. Human Capital and Productivity in a Team Environment: Evidence from the Healthcare Sector. Draft, Columbia University, December 2011.
- Chung JH, **Phibbs CS**, Boscardin WJ, Ortega AN, Kominski GF, Caughey AB, Needleman J. Distance to Delivering Hospital and Other Antenatal Factors Influencing Hospital Choice for the Delivery of Very Low Birth Weight Infants in California. Draft, University of California, Irvine, May 2009.
- DeCordova PB, Phibbs CS, Bartel AP, Stone PW. Perceptions and Observations of Off-Shift Nursing. Draft, Columbia University, April 2011.
- Phibbs CS**, Baker LC, Caughey AB, Danielsen B, Schmitt SK, Phibbs RH. Did the Decline in Very Low Birth Weight Mortality in the 1990s Change the Effect of NICU Level and

Volume at the Delivery Hospital on Mortality? Draft, VA Palo Alto Health Care System, March 2009.

Phibbs CS, Bartell AP, Giovannetti B, Schmitt, SK, Stone PW. The Impact of Nurse Staffing and Contract Nurses on Patient Outcomes: New Evidence from Longitudinal Data. Draft, VA Palo Alto Health Care System, December 2010.

Turakhia MP, Hoang DD, Xu X, Frayne SM, Schmitt S, Yang F, **Phibbs CS**, Wang PJ, Heidenreich P. Differences and trends in stroke prevention anticoagulation in primary care versus cardiology specialty management of new atrial fibrillation: the TREAT-AF study. Draft, VA Palo Alto Health Care System, September 2011.

Turakhia MP, **Phibbs CS**, Schmidt SK, Moos RH, Heidenreich P. Friedman SA, Berlowitz D, Rose AJ, Hoang D, Le SY, Frayne SM: Variation in quality of warfarin anticoagulation in atrial fibrillation across anticoagulation clinics in a national health care system. Draft, VA Palo Alto Health Care System, August 2011.

Yoon, J, Scott JY, **Phibbs CS**, Frayne SM. Trends in Diagnoses and Condition-Attributable Costs Among Female VA Patients. Draft, VA Palo Alto Health Care System, November 2010

Editorials, Commentaries, and Letters to the Editor

Luft HS, **Phibbs CS**, Garnick DW, Robinson JC. Rejoinder to Dranove and Shanley. *Journal of Health Economics* 1989;8(4):479-483.

Phibbs CS. A Critical Analysis of RBRVS (letter). *Journal of the American Medical Association*, 1992;267:2894.

Phibbs CS. The Meaning of Authorship (letter). *Journal of the American Medical Association*, 1996;276:1385.

Phibbs CS. Commentary: Does patient volume matter for low-risk deliveries? *International Journal of Epidemiology*, 2002;31:1069-1070.

Phibbs CS, Milstein A, Delbanco SF, Bates D. The Link Between CPOE and Mortality Not Proven. Post-publication peer review, *Pediatrics*, 2005
<http://pediatrics.aappublications.org/cgi/eletters>.

Research Funding

Agency for Health Care Policy and Research RO1-HS 06123-03, "Physiologic Severity Index for Neonatal Intensive Care." Principal Investigator, Douglas Richardson, Harvard University. Subcontract as co-investigator to conduct the economic analysis. 7/1/91-6/30/92, \$18,000

Department of Veterans Affairs, Health Services Research & Development IIR #91-148.A, "Economic Evaluation of the 1991 Changes in How VA Sets Wages for Nurses."
Principal Investigator. 10/1/93-3/31/95, \$53,400.

National Institute for Drug Abuse RO1-DA08753-01, "Case Management of Substance Abusers with HIV Infection." Principal Investigator, James Sorensen, University of California, San Francisco. Subcontract as co-investigator to conduct the cost-effectiveness analysis.

9/30/93-6/30/2000, \$37,500

Agency for Health Care Policy and Research RO1-HS 064585, "Assessment of Febrile Infants Less than 2 Months of Age." Principal Investigator, Robert Pantell, University of California, San Francisco. Subcontract as co-investigator to conduct the cost-effectiveness analysis. 5/1/93-4/30/97, \$44,610

Department of Veterans Affairs, Health Services Research & Development IIR #92-042.B, "Determinants of the Choice of a VA vs. non-VA Facility for Medical Care." **Principal Investigator.** 7/1/94-6/30/96, \$203,300.

Agency for Health Care Policy and Research RO1-HS0715-01, "Illness Severity & Practice Variation Among Newborn ICUs." Principal Investigator, Douglas Richardson, Harvard University. Subcontract as consultant. 4/1/94-3/31/97, \$4,058.

Agency for Health Care Policy and Research 282920055, "Patient Outcomes Research Team (PORT) on Low Birthweight in Minority and High-Risk Women." Principal Investigator, Robert Goldenberg, University of Alabama, Birmingham. Subcontract. 2/1/94-12/31/96, \$26,500.

Department of Veterans Affairs, Health Services Research & Development IIR #92-118.2, "Productivity and Labor Requirements of VAMCs." Co-Investigator (5% effort), Principal Investigator, Laura Lehner, Bedford VAMC. 1/1/94-12/31/96, \$280,964.

Department of Veterans Affairs, Health Services Research & Development IIR #94-033.1, "Predicting Inpatient Service Use Among VA Substance Abuse Patients." Principal Investigator, John Piette, Palo Alto VAMC. Co-Investigator (5% effort). 10/1/95-3/30/98, \$178,000

Robert Wood Johnson Foundation #30562, "Excess capacity, hospital costs, and the effects of market structure." **Principal Investigator.** 11/1/96-8/31/99, \$375,609.

Packard Foundation, Center for the Future of Children #96-3060, "Infant Rehospitalization after early post-delivery discharge: Is it a Growing Problem?" **Principal Investigator.** 3/1/96-12/31/96, \$2,900

Department of Veterans Affairs, Health Services Research & Development IIR #95-122.1, "Factors That Influence the Demand for Outpatient VA Services." **Principal Investigator.** 7/1/96-9/30/99, \$328,100.

Department of Veterans Affairs, Health Services Research & Development SDR # ECN 99017, "Health Economics Resource Center." Principal Investigator, Paul Barnett, VA Palo Alto Health Care System. Co-Investigator and Associate Director. 9/1/99-9/30/02, \$1,050,000.

Agency for Healthcare Research and Quality R01 HS109025, "Managed Care and Health Care Markets." Principal Investigator, Laurence Baker, Stanford University. 9/30/00-9/29/03, \$1,468,331. Co-investigator, 4% effort.

National Institute for Child Health and Human Development RO1 HD36914, "Regionalization, Market Forces, and Neonatal Mortality." **Principal Investigator.** 4/1/00-3/31/04,

\$983,112.

Agency for Healthcare Research and Quality R01 HS13371, “Evidence-Based Selective Referral for VLBW Infants.” Principal Investigator, Jeannette Rogowski, RAND Corporation. 9/19/02-8/31/04, \$417,082. Consultant, 6% effort.

Department of Veterans Affairs, Health Services Research & Development SDR # ECN 99017, “Health Economics Resource Center.” Principal Investigator, Paul Barnett, VA Palo Alto Health Care System. Co-Investigator. Renewed, 10/1/02-9/30/07, \$1,750,000

National Institute for Child Health and Human Development RO1 HD44003, “Race, Ethnicity and Quality of Health Care for Newborns.” Principal Investigator, Laurence Baker, Stanford University. 4/1/03-3/31-06, \$1,080,674. Co-investigator, 15% effort.

Department of Veterans Affairs, Health Services Research & Development IIR 04-248, “Stroke Prevention for Atrial Fibrillation: Impact of Mental Illness.” Principal Investigator, Susan Frayne, VA Palo Alto Health Care System. 4/1/05-3/31/09, \$762,500. Co-investigator, 15% effort.

Robert Wood Johnson Foundation #051136 and Gordon and Betty Moore Foundation #637. “The Effect of Information Technology on Nurses and Patients in the Veterans Health Administration.” Principal Investigator, Joanne Spetz, University of California, San Francisco. 11/1/04 – 9/30/07, \$300,000. Co-investigator, 20% effort.

Robert Wood Johnson Foundation #53420. “Human Capital in the Nursing Workforce and Its Impact on Patient Outcomes.” Principal Investigator, Ann Bartel, Columbia University. 11/1/05 – 10/31/07, \$230,489. **Co-principal investigator**, 15% effort.

Department of Veterans Affairs, Health Services Research & Development SDR # ECN 99017, “Health Economics Resource Center.” Principal Investigator, Paul Barnett, VA Palo Alto Health Care System. Co-Investigator. Renewed, 10/1/07-9/30/12, \$2,000,000

Department of Veterans Affairs, Health Services Research & Development #SHP 08-143, “Pregnancy Outcomes in Veterans (PROVE) Feasibility Study.” **Principal Investigator** 4/1/08-9/30/08, \$50,200.

Robert Wood Johnson Foundation #63959. “The Impacts of Nurse Staffing, Skill Mix, and Experience on Quality and Costs in Long-Term Care.” **Principal Investigator** 9/1/2008-8/31/2010, \$299,990.

Department of Veterans Affairs, Health Services Research & Development #RWJ 08-274. “The Impacts of Nurse Staffing, Skill Mix, and Experience on Quality and Costs in Long-Term Care.” **Principal Investigator** 4/1/2009-3/31/2011, \$73,189.

Department of Veterans Affairs, Health Services Research & Development IIR 07-152. “Predictors and Outcomes of Treating Bipolar Depression as MDD.” Principal Investigator, Kathleen Schutte 4/1/09-3/31/2012, \$599,200

Department of Veterans Affairs, Health Services Research & Development SDR 10-012 “Women's Health Research Consortium/Practice-Based Research Network.” Co-Principal Investigators, Elizabeth Yano/Susan Frayne 6/1/2010-5/30/2013, \$2,800,700.

Department of Veterans Affairs, Health Services Research & Development IIR 09-362.
“Regular and Off-Shift Nursing: Impacts on Patient Outcomes and Cost of Care.”
Principal Investigator 2/1/2011-1/31/2013, \$580,200.

Department of Veterans Affairs, Health Services Research & Development IIR 09-092 "Dual
Use: Safe in Atrial Fibrillation?" Principal Investigator Mintu Turakhia 8/1/2011-
1/31/2014, \$615,500

VA Cooperative Studies Program Trials

CSP Study 006, “Evaluation of Geriatric Evaluation and Management (GEM) Units and
Geriatric Evaluation and Management Clinic (GEMC) Follow-Up.” Study Chairmen,
John Feussner and Harvey Cohen. 1/1/1995-1/31/2002. \$4,118,901.

CSP Study 020, “Cost and Outcome of Telephone Care (Pilot Study).” Study Chairman, Gilbert
Welch. 9/1/1995-2/28/1999. \$724,343.

CSP Study 481, “The Home International Normalized Ratio (INR) Study (THINRS).” Study
Chairmen, David Matchar and Alan Jacobson. 8/1/2003-6/1/2008. \$11,787,448.

CSP Study 551, “Rheumatoid Arthritis: Comparison of Active Therapies in Patients With Active
Disease Despite Methotrexate Therapy.” Study Chariman, James R. O’Dell. 9/1/05-
4/30/09. \$10,929,326.

CSP Study 556, “The Effectiveness of rTMS in Depressed VA Patients.” Study Chairman,
Jerome Yesavage. Summer 2011-Summer 2016. HERC budget \$367,887

CSP Study 562, “The VA Keratinocyte Carcinoma Chemiprevention Trial (VAKCC).” Study
Chairman, Martin Weinstock. Spring 2009 – Winter 2013.

Reviewer for Funding Agencies

Agency for Healthcare Research and Quality;

Ad hoc external reviewer, 1992, 1996, 1998.

Special Study Section on Managed Care and Market Forces, 1995

Special Small Grants Study Section, 1997

Health Care Research Training Study Section, 1999-2001

Chair, Health Care Research Training Special Emphasis Panel, 2002

Chair, Health Care Research Training Special Emphasis Panel, 2005

National Institutes of Health

NICHHD, Ad hoc external reviewer, 2000

Special Study Section on Efficient Delivery of Effective Healthcare 2011

Department of Veterans Affairs, Medical Research

External reviewer of statistical methods, 1997-2004

Department of Veterans Affairs, Health Services Research & Development

Ad hoc member, HSR&D Implementation & Management Scientific Merit Review
Board, September 2004

Canadian Institutes of Health Research

Ad hoc external reviewer, 2000

Robert Wood Johnson Foundation

Ad hoc external reviewer for Health Care Financing and Organization Initiative 1999, 2003

Anemia Institute for Research and Education, Canada

Ad hoc external reviewer, 2001

Alberta Heritage Foundation for Medical Research

Ad hoc external reviewer, 2006

Wellcome Trust, United Kingdom

Ad hoc external reviewer, 2001, 2004

Student Advising, Thesis and Dissertation Committees

Cassandra Guarino, Ph.D., Education, Stanford University, 1999

Arash Khalessi, M.S., Health Research and Policy, Stanford University, 2000

Ellen Shaffer, Ph.D., Health Policy and Management, Johns Hopkins School of Public Health, 2000

Ewen Wang, M.D., Co-mentor, NIH K-award. 2007-current

Minang Turakhia, M.D., Co-mentor, VA Career Development Award. 2009-current

Pamela de Cordova, Ph.D., Nursing, Columbia University, 2011-current.

Invited International Presentations/Lectures

NEOCOSUR Neonatal Network Meeting. Effective Interventions in Neonatal Medicine, Pontifica Universidad Catolica de Chile, July 8-9, 2000, Santiago Chile. "The Effects of Level of Care and NICU Patient Volume on Neonatal Mortality."

Joint meeting of Deutschen Gesellschaft für Perinatale Medizin (DGPM) and Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin (GNPI). May 8-9, 2009, Berlin, Germany. "Can Regionalization Improve VLBW Outcomes? Evidence From California."

Jornada Internacional sobre Regionalizacion del Cuidado Perinatal. April 11-12, 2011, Buenos Aires, Argentina. "The Impact of Regionalization on Perinatal Results" and "Impact of Regionalization for Families, Personnel, and Hospitals."

Service

Health Subcommittee of the Children's Budget Coalition, Coleman Advocates for Children, September 1990 - April 1991.

Babies and You Advisory Committee, Greater Bay Area Chapter, March of Dimes Birth Defects Foundation, November 1990 - November 1995.

Member, Health Services Research & Development Research Review Subcommittee, Veterans Affairs Palo Alto Health Care System, 1992-present.

Speaker at March of Dimes Birth Defects Foundation fund raisers, 1997.

Member, Health Economics Committee, Medical Care Section, American Public Health

Association, 1997-1998.

Member, Expert Advisor Panel for the Leapfrog Group's Evidence Based Hospital Referral initiative, and chairman of the neonatal care subcommittee, 1999-present.

Millbrae AYSO, coach (1999-present); referee (2007-present), member, board of directors (2007-present).

Member, Clinical Advisory Panel, Blue Shield Foundation of California program to define essential benefits for universal health insurance, 2003.

Technical Consultant, American Academy of Pediatrics Committee on Fetus and Newborn, 2003

Steering Committee, Scholarly Concentration in Health Services and Policy Research, Stanford University School of Medicine, 2003-present.

Member, Data Request Review Board, VIREC VA Medicare Data Merge Initiative 2003-present.

Outside reviewer for Critical Care Decisions in Fetal and Neonatal Medicine: Ethical Issues, Nuffield Council on Bioethics, 2006.

Chair, VA & Military Theme, Academy Health Annual Meeting, 2009.

Other Achievements

Member, United States Offshore Sailing Team, 1984 Clipper Cup. (U.S. placed first out of 11 international teams).