Celebrating 30 years
1989 - 2019
It is my genuine pleasure to welcome you to celebrate with us the 30 years of Public Health Sciences at Wake Forest School of Medicine. Although the entities have changed names, the spirit in which the Center for Prevention Research and Biometry was founded is still alive and well in the four departments and over 250 faculty and staff who make up Public Health Sciences today.

This document presents a series of vignettes showing some of the highlights in the evolution and achievements of Public Health Sciences. It is by no means inclusive of every accomplishment, and refining them into the document you see today was challenging. However, we also found it deeply rewarding to talk with leaders, staff, and faculty about their experiences as part of this remarkable team. They sat down for interviews, brought in photo albums, and shared anecdotes about excellence, hard work, and teamwork in and out of the office. The word many people used about their coworkers was “family.” We thank everyone who took the time to share their memories. This document is a tribute to their accomplishments and the truly unique environment that has given Public Health Sciences its international reputation for research excellence. We hope you enjoy traveling back through these 30 years and celebrating great people and great science.

Sincerely,

Lynne Wagenknecht

Special thanks to those who helped prepare this celebratory book: Wilson Somerville for editing, compiling and copywriting and Karen Klein for copywriting.
Research into disease prevention at Wake Forest School of Medicine began in 1986 in the Center for Prevention Research and Biometry and expanded into the Department of Public Health Sciences in 1989.

DR. CURT FURBERG was the founder and initial leader of these efforts. In 1999, DR. GREGORY BURKE became the Department Chair. In 2006, the Department became the Division of Public Health Sciences, comprised of the Departments of Biostatistical Sciences, Epidemiology and Prevention, and Social Sciences and Health Policy. PHS added the Department of Implementation Science in 2017. DR. LYNNE WAGENKNECHT became Director of the Division in 2018.

Center for Prevention Research and Biometry

Department of Public Health Sciences established

The Department became the Division of Public Health Sciences, and three previous Sections became Departments: Biostatistical Sciences, Epidemiology and Prevention, and Social Sciences and Health Policy.

Formation of a fourth Department: Implementation Science

Above: Curt Furberg, MD, PhD; founder and chair of the Department of Public Health Sciences, 1989-1999.
and led numerous multi-site clinical trials, epidemiologic cohort studies, and longitudinal observational studies that have provided new and important information about the natural history and risk factors for cardiovascular disease and stroke. PHS scientists and staff have filled major leadership roles in many long-term NIH-funded studies, including the Atherosclerosis Risk In Communities (ARIC), Cardiovascular Health Study (CHS), and Multi-Ethnic Study of Atherosclerosis (MESA) studies. PHS has served as a field center and coordinating center and provided national steering committee members for various studies, resulting in numerous ancillary studies and thousands of publications.

PHS has designed and led numerous multi-site clinical trials, epidemiologic cohort studies, and longitudinal observational studies that have provided new and important information about the natural history and risk factors for cardiovascular disease and stroke. PHS scientists and staff have filled major leadership roles in many long-term NIH-funded studies, including the Atherosclerosis Risk In Communities (ARIC), Cardiovascular Health Study (CHS), and Multi-Ethnic Study of Atherosclerosis (MESA) studies. PHS has served as a field center and coordinating center and provided national steering committee members for various studies, resulting in numerous ancillary studies and thousands of publications.

Diabetes Research

PHS has strengthened its growing reputation in large, multi-center studies with two NIDDK-sponsored projects. The first, Look AHEAD, now in its 20th year, focused on weight loss interventions in participants with type 2 diabetes. The second, ACCORD, tested how to reduce heart disease risk in participants with diabetes. PHS expanded its diabetes research in 2000 with the launch of SEARCH, an ongoing CDC-sponsored trial researching factors contributing to the increase of diabetes in youth. Other PHS diabetes research included an international genetics consortium for type 1 diabetes, a lifestyle intervention addressing diabetes disparities, and a lay program that has become a model for diabetes prevention nationwide.

Collaborative Partnerships

PHS has established a long track record of collaboration within Wake Forest School of Medicine. PHS scientists were essential contributors to the Vitamin Intervention for Stroke Prevention (VISP) with the Department of Neurology and the Ginkgo Evaluation of Memory (GEM) with the Section on Gerontology and Geriatrics. Collaborating with the Department of Neurology, PHS faculty and staff were an instrumental part of the institution receiving one of the first five large pragmatic clinical trials funded by the Patient-Centered Outcomes Research Institute, the Comprehensive Post-Acute Stroke Services (COMPASS) trial.
Cardiac Surgery and Cerebrovascular Complications

EPICARE

The Epidemiological Cardiology Research Center (EPICARE) and its investigators have been engaged in population electrocardiographic research for more than three decades. EPICARE is currently the ECG reading core lab for more than 20 epidemiologic studies and clinical trials. Its mission is to continuously refine the methods of acquisition and analysis of ECGs in population studies. ECG remains the most commonly used investigative tool for diagnosis and prediction of cardiovascular disease in population studies. It is the only tool to detect cardiac arrhythmias, and the most convenient tool to detect silent myocardial infarction, which represents up to half of all infarctions.

Sports and Leisure

“All work and no play” does not characterize the PHS community. PHS employees participate in a variety of activities. Besides winning multiple Wake Forest Baptist Medical Center softball and flag football championships, a flag football team including PHS members went to the 1999 national semi-finals. Since 2000, over 150 PHS members have participated in a lunchtime bowling league, which boasts 17 two-person teams at present. The Biostatistics staff even created a SAS software program for NCAA March Madness brackets and published their methods.
Evolution of IT

Information technology (IT) in PHS has come eons since the Jurassic days of clunky mainframe terminals connected to a central computing system. PHS was an early adopter of “personal computing” when dual floppies allowed a whopping 720KB of space. Other early PHS innovations included offering research departments network-based access to computing systems and making the first use of email in the institution. Fast forward to today's virtual servers and petabytes of storage and cloud computing, and few could have imagined how far PHS’s computing resources and support would evolve.
Women’s Health Research

Women’s health research has seen major breakthroughs thanks to work conducted in PHS. Notable NIH-funded trials include the Postmenopausal Estrogen-Progestin Intervention (PEPI) study and the Soy Estrogen and Atherosclerosis (SEA) Program Project, the first study to include parallel, randomized trials in nonhuman primates and women. PHS also played an instrumental role in founding and leading a top-ranked national Women’s Health Center of Excellence (WHCOE), awarded in 1997. The WHCOE conducted community and statewide programs to engage the public on women’s health research. The Center significantly increased the amount of women’s health research and launched numerous programs, active today, which focus on women’s leadership training and advancement.

PHS played and continues to play a pivotal role in this groundbreaking NIH-funded project—first as a site in the large clinical trial and now as a regional coordinating center for following up on the cohort. WHI and the WHI Memory Study, a parallel study focused on cognition, changed clinical recommendations for hormone replacement therapy in postmenopausal women. Its follow-up phase continues to be informative about longitudinal effects of hormone therapy as cohort data collection is now into a third decade. PHS has pioneered telephone methods of cognitive assessment that make this important work possible.
Funding Success

Faculty in the Center for Prevention Research and Biometry, PHS’s precursor, began applying for NIH grant funding, but with limited success. With patience, persistence, and the continued expertise of existing research teams, the tide turned. By 2005, the Division was first in NIH funding among departments of preventive medicine across the country, and over the last decade has ranked in the top 10 among similar departments. In 2018, the Division received more than $49 million in extramural research funding from 173 collaborative research projects headed by PHS faculty.

PHS investigators meeting to discuss a dietary intervention to help lower blood pressure in African American communities: Sara Quandt, Mara Vitolins, Alain Bertoni, and Melissa Whitt-Glover.

Holding steady at the 2001 Biostatistical Sciences Retreat at Camp Hanes: Walter Ambrosius (positioning board), Terri Windham, Linda Allred, Stephanie Bach, Augy Thai, Marjue Truker, Melinda Hire.

Total Funding
Research Programming

PHS has created one of the foremost clinical trial database management systems in the U.S. Its members have provided the database infrastructure for many of the prominent multicenter clinical trials and cohort studies described here. Collectively, these studies have resulted in thousands of journal articles and greatly influenced medical practice. As research has transitioned from paper-based approaches to novel web-based and hand-held device approaches, PHS faculty and staff have navigated the changing requirements for heightened privacy and security.

PHS has built a national reputation for successfully directing coordinating centers for large multi-site studies. Its faculty and staff offer great experience in the many skills required to direct such large centers, such as clinical trials design and oversight, biostatistical analysis, data protection and management, participant safety, regulatory affairs, internal reporting, and publications. PHS’s database and web architecture is key to integrating these functions. With its experienced personnel and custom infrastructure, PHS keeps pace with changes in the technical and regulatory landscape and continues to produce innovations in directing coordinating centers.

Coordinating Centers

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Team competition winners at the 2003 Epidemiology retreat at Triad Park in Kernersville: Jodi Felice, Shannon Golden, Barbara Anderson, Cynthia McQuellon, Margie Lamb, Sharon Jackson, Patricia Wittmer.

PHS programmers Jerry Barnes, Julia Robertson, and Bobby Amoroso discussing programming for a study’s process flow.

Kathy Dotson, Mark Espeland, and Judy Bahnson discussing issues regarding the Look AHEAD Data Coordinating Center, which began in 1999.
Our faculty have greatly benefited from this [CPTS] training, and the training program fosters strong collaborations with PHS faculty that last for decades.

— Chadwick Miller, MD, MS, professor and chair of Emergency Medicine

PHS designed its Master of Science degree in Clinical and Population Translational Science (CPTS) for health professionals and researchers. Primarily taught by PHS faculty, coursework emphasizes biostatistics, epidemiology, and applied clinical and population research methods, as well as responsible conduct of research and scientific communication. A summer course in grant writing includes a mock study section that is popular across the institution. Since its start in 1989, the program has awarded 138 master’s degrees and four certificates.

Softball Champions
Baptist Medical Center softball league competition in the early 2000s, PHS fielded a veteran lineup against much younger teams. Nonetheless, PHS’s softball championship in 2006 was its fourth in a row and the sixth since 2000. In 2006, they beat the Pediatrics team, their nemesis at the time, in an 18-7 slugfest. With 7 of its 17 players over 40, the PHS team was living the words of Olympian Jackie Joyner-Kersee, “Age is no barrier. It’s a limitation you put on your mind.” Dating from a 1989 start, PHS softball carries on, with some of its legends still out on the field.

Above: Cards of PHS softball team members, created by Mark Brown after their 2001 championship season.
Left: The championship 2001 PHS softball team, bottom row: Mike Miller, Laura Lovato, Andrea Anderson, Scott Rushing, David Rebousin, Shannon Golden, Kim Wagener, Talsi Case (in lap), Mara Vitolins; top row: James Lovato, Jessica Sheedy, August Case (in arms), Doug Case, Shana Palla, Greg Russell, Mark King, Mark Espeland, Mark Brown.
Brain Network Analysis

is helping develop statistical methods to understand how regions of the brain communicate with each other. These novel methods explain how the systemic properties of the resulting communication network (brain network) relate to brain function and various health and behavioral outcomes. Brain network analysis holds great promise, from helping us better understand cognitive processes to giving us information about various diseases. By providing more insight into the mechanistic causes of disease, brain network analysis will inform more accurate diagnoses, better treatment options, and better prevention methods.

Mobility and Healthy Aging

PHS has collaborated on multiple studies about maintaining mobility in the elderly with Gerontology and Geriatric Medicine and Health and Exercise Science. PHS was the data coordination and analysis center for the LIFE (Lifestyle Interventions and Independence for Elders) study, in which a structured, moderately intense physical activity program improved mobility in sedentary older adults. Now underway is the ENRGISE (ENabling Reduction of low-Grade Inflammation in Seniors) study, which tests the anti-inflammatory effects of fish oil with or without a blood pressure drug, among older adults at risk for mobility loss. Other PHS studies have examined how functional independence in older women relates to home environmental modifications and how mid- and late-life physical activity is associated with the risk of falls.

Sean Simpson, researcher in brain network science.

One PHS team

Members of the data coordination and analysis center for the LIFE study: Lea Harvin, Mike Walkup, Mike Miller.
Community-Based Participatory Research

PHS is a long-time leader in community-based participatory research (CBPR), which focuses on health issues important to our region and involves community members in study planning, implementation, and evaluation. An important theme in this research has been HIV prevention and engagement in care. For example, HoMBReS: Hombres Manteniendo Bienestar y Relaciones Saludables (Men Maintaining Wellness and Healthy Relationships) was a unique intervention involving lay health advisors to promote community health. HoMBReS was recognized as the first best-evidence community-level HIV prevention intervention in the CDC’s Compendium of Evidence-Based Interventions and Best Practices for HIV Prevention Intervention. Since then, PHS has continued to apply CBPR to develop numerous efficacious interventions to promote community and population health.

Cancer Survivorship

PHS is a leader in research to improve the lives of cancer survivors, a rapidly growing population. PHS focuses on areas that include health-related quality of life, late effects of cancer diagnosis and treatment, adolescent, young adult, and rural cancer survivors, and integrative and complementary interventions to improve symptom management. Since 2006, PHS has conducted an NCI-funded postdoctoral training program in cancer survivorship that has trained 14 postdoctoral fellows who now have academic positions in cancer control research.

Farmworker Research

Attending a chance meeting on migrant farmworker health led to a research program at Wake Forest Baptist Medical Center, cited in 2018 as the most productive research program on international migrant worker health in the world. Using a community-based participatory approach, the team’s initial research on pesticide exposure, now in its 22nd year, spawned additional research with immigrant workers in agriculture, poultry processing, and construction. The team directs findings to policy makers and has received awards for impacts on occupational and environmental justice.
Community Service

PHS members have long been committed to volunteer service. In 2001, the PHS ROCK (Reaching Out to the Community with Kindness) Committee began facilitating local volunteering. They have promoted volunteering for the Second Harvest Food Bank’s food drives and backpack programs, Habitat for Humanity house builds, and gardening at the Food Bank Garden. Other PHS employees held a golf tournament for several years to help offset a staff member’s health care costs. Several in the Division help lead local fund-raising efforts for the Juvenile Diabetes Research Foundation; the rest of us eat the desserts sold at their bake sales!

PHS as a Catalyst

Wake Forest’s institutionally and externally supported research centers are important foci of excellence, and many rely extensively on the expertise of PHS. PHS began its work in NIH-supported centers with the Wake Forest Baptist Comprehensive Cancer Center. The division’s expertise then became a high-value asset for other NIH-funded centers, such as the Claude Pepper Older Americans Independence Center, the Clinical and Translational Science Institute, and most recently, the Alzheimer’s Disease Research Center and the Translational Alcohol Research Center. PHS has catalyzed the creation of new internally supported centers, such as the Center for Diabetes, Obesity and Metabolism, and the Center for Research on Substance Use and Addiction.

Novel Methods

PHS investigators also innovate in biostatistical methodology. They have been leaders in propensity score analyses, a widely applied class of methods, and in evaluating the importance of adding predictors to such equations. They have contributed to many fields of research through insights into modeling latent variables—factors that underlie and define inter-variable relationships—and to the design and analysis of longitudinal studies using the multivariate hidden Markov model. PHS investigators have also made breakthroughs in assessment of physical activity by designing and applying measurement error methods and by rigorous methods for assessing dietary intake.
Nomadic Times

From its start in 1989 on the 8th floor of the Hanes Building, PHS expanded to seven locations around Wake Forest Baptist Medical Center by the early 2000s. PHS work units gradually consolidated into downtown Winston-Salem at One Technology Place and then the Wells Fargo tower. Over 25 years, PHS conducted its work in 11 different buildings (excluding its Greensboro clinic). In 2014, all PHS departments were finally reunited into the newly renovated 525@vine building in the Innovation Quarter.

Research Clinic Space

A key part of PHS’s footprint is its space devoted to clinical studies. The Division currently maintains office and exam space in two Piedmont Plaza Buildings. As of spring 2019, 23 PHS staff were managing eight studies focused on atherosclerosis, diabetes, and cognition. One of the longest of those projects is the Atherosclerosis Risk in Communities (ARIC) study. Recruitment for the ARIC cohort of over 4,000 Forsyth County residents began in 1987, and its clinic was at one time located in a building on Beach Street.
Substance Use Research

Few institutions can match the broad expertise PHS provides for research on substance use and misuse. PHS’s extensive body of work on alcohol use and public policy, especially in teens and young adults, has pioneered new approaches in data collection and analyses. With the recent explosion of opioid abuse, a new direction of research has emerged that focuses on rural communities and involves new community partners throughout the region. The goals of this work are to gain insights into behavior that can inform interventions and care and influence state and national public health policy.

New Tobacco Research

Newer forms of tobacco such as snuff, chewing tobacco, electronic cigarettes, snus, dissolvable tobacco, and flavored tobacco are rapidly evolving and are especially popular among young people. The patterns of use, sales, and possible health consequences of alternative forms of tobacco are new territory. A multi-disciplinary team in PHS has become a national leader on this topic. Importantly, this cutting-edge work incorporates mixed methods and novel approaches in order to influence state and national public health policy.

Genomics

PHS genomics research has evolved from studies of single nucleotide polymorphisms to linkage studies, genome-wide association studies, whole genome sequencing, and various genomic, proteomic, and epigenomic studies. This trend mirrors the field’s increasing breadth and acuity in analyzing the complex interplay of genetic and related cell networks in human disease. PHS studies have included an earlier landmark coordinating center for an international type 1 diabetes genetics consortium. The division’s recent work has focused on DNA modifications involved in cardiovascular disease and mapping genetic traits to prevent and treat chronic disorders such as diabetes, lupus, end-stage renal disease, and asthma.

The Paper Trail

Earlier PHS activities remind just how far removed we are now from hard copy data and text management. In the days that PHS resided in the Hanes Building, programming reports were on accordion-fold dot matrix paper. Staff came into the Hanes printer room one morning to find a tumbled sea of that paper across the floor, the overnight output of a program caught in a printing loop. Also, the first local area network (LAN) billing required 10 sheets of paper taped together, followed by hand calculations. Staff would wheel carts of journal volumes through the library to photocopy articles for faculty members. Seminars used transparencies viewed on overhead projectors. Last-minute slide requests went to 1-hour shops. Investigators sometimes used couriers to drive (or fly) to Bethesda with NIH applications.
SPRINT

The Systolic

Blood Pressure Intervention Trial (SPRINT), research that had a huge impact on public health and health care practice, had its coordinating center and one clinical network directed by PHS. SPRINT found that targeting systolic blood pressure below 120 mmHg significantly reduced cardiovascular events, which helped change high blood pressure guidelines internationally. In 2019, the SPRINT MIND team, led by the Wake Forest School of Medicine’s Gerontology and Geriatric Medicine Section in collaboration with PHS, reported that systolic blood pressures below 120 mmHg also significantly reduced the risk of mild cognitive impairment (MCI). SPRINT is the only trial that has demonstrated an intervention effect on MCI.

Implementation Science

In 2017, PHS launched its fourth department: Implementation Science, the first medical school department of its kind nationally. The department aims to catalyze the adoption of evidence-based practices into real-world settings to improve population health. This growing team seeks to reduce the gap from research discovery to practical implementation. Faculty direct research that includes deployment of a clinical decision aid to identify patients with chest pain who can safely be discharged without objective cardiac testing, and implementation of a mobile health system for colorectal cancer screening.

π and Other Parties

PHS has regular get-togethers that celebrate themes such as an irrational number (Pi), a movie (Star Wars), and a masked parade (Mardi Gras), among other interests. Food is always a key element, and food-centered socializing in PHS includes chili cook-offs, monthly birthday cake parties, brunches for new and departing colleagues, holiday lunches, and the autumn “Soups and Stews” event, which combines a cooking competition with the annual recognition of staff with the longest service.
Public Health Sciences
Leadership

David G. Altman, PhD
Section Head, Section on Social Sciences and Health Policy
2000-2003

Walter T. Ambrosius, PhD
Chair, Department of Epidemiology and Prevention
2012-present

Kristie L. Foley, PhD
Interim Chair, Department of Implementation Science
2017-2018
Chair, Department of Implementation Science
2019-present

Curt D. Furberg, MD, PhD
Chair, Department of Public Health Sciences
1989-1999

Michael E. Miller, PhD
Section Head, Section on Biostatistics
2000-2004

Nancy E. Avis, PhD
Section Head, Section on Social Sciences and Health Policy
2003-2005

Alain Bertoni, MD, MPH
Chair, Department of Epidemiology and Prevention
2006-2017

Grethe S. Tell, PhD
Section Head, Section on Epidemiology
1989-1995

Grethe S. Tell, PhD
Section Head, Section on Epidemiology
2006-2017

Sally A. Shumaker, PhD
Section Head, Section on Social Sciences and Health Policy
1992-2000

Doug Easterling, PhD
Section Head, Section on Social Sciences and Health Policy
2005-2006
Chair, Department of Social Sciences and Health Policy
2006-2015

Mark A. Espeland, PhD
Section Head, Section on Biostatistics
1999-1998
Chair, Department of Biostatistical Sciences
2006-2012

Gregory W. Evans, MA
Interim Section Head, Section on Biostatistics
2005-2006

Grethe S. Tell, PhD
Chair, Department of Epidemiology and Prevention
2007-2012

Mara Z. Vitolins, DrPH
Interim Chair, Department of Epidemiology and Prevention
2012-2013

Lynne E. Wagenknecht, DrPH
Section Head, Section on Epidemiology
2006-2007

Gregory L. Burke, MD, MSc
Chair, Department of Public Health Sciences
1996-2001

David C. Goff, Jr., MD, PhD
Chair, Department of Epidemiology and Prevention
1989-1995

Timothy M. Morgan, PhD
Chair, Department of Social Sciences and Health Policy
2015-present

Scott D. Rhodes, PhD
Chair, Department of Social Sciences and Health Policy
2019-present

Nancy E. Avis, PhD
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2005-2006

Gregory L. Burke, MD, MSc
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Robert P. Byington, PhD
Director, Division of Public Health Sciences
2006-2017

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Lynne E. Wagenknecht, DrPH
Chair, Department of Epidemiology and Prevention
2006-2007
### Past PHS Faculty

**Past PHS Faculty as of July 1, 2019**

<table>
<thead>
<tr>
<th>Name</th>
<th>Current Affiliation</th>
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<tbody>
<tr>
<td>Walter Ambrosius, PhD</td>
<td>Department of Pharmacology, Toxicology &amp; Chemical Carcinogenesis, University of Iowa</td>
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<tr>
<td>Jamy Ard, MD</td>
<td>Division of Health Promotion &amp; Disease Control, University of North Carolina</td>
</tr>
<tr>
<td>Nancy Avis, PhD</td>
<td>Department of Epidemiology, Virginia Tech</td>
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<tr>
<td>Michael Bankics, PhD, MPH</td>
<td>Division of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Daniel Beavers, PhD</td>
<td>Department of Epidemiology, Virginia Tech</td>
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<tr>
<td>Alain Bertoni, MD, MPH</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Gregory Burke, MD, MS</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Goldie Byrd, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<td>Ramon Canova, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<td>Hyang Chen, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<td>Styh-Hwei Chen, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Laura Coker, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Teresa Cutts, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Ralph D’Agostino, Jr, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Margaret Dailey, MPh, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Susan D’Amour, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<td>Joanie Divers, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Emily Dressler, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<td>Doug Easterling, PhD</td>
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<td>Mark Espeland, PhD</td>
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<td>Kristie Foley, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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<tr>
<td>Capri Foy, PhD</td>
<td>Department of Biostatistics and Epidemiology, University of California</td>
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**Current PHS Faculty**

**Years in PHS**

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>David Altman, PhD</td>
<td>1994-2003</td>
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<tr>
<td>Randy Anderson, PhD</td>
<td>1989-1994</td>
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<td>Robert Atkinson, PhD</td>
<td>1993-2007</td>
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<tr>
<td>Sunday Azagba, PhD</td>
<td>2016-2018</td>
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<tr>
<td>Rajesh Bakhshi, MD, PhD</td>
<td>1999-2003</td>
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<td>Bettina Beech, PhD</td>
<td>2009-2013</td>
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<td>Roney Bell, MD, MS</td>
<td>1996-2016</td>
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<tr>
<td>Denise Bonds, MD</td>
<td>2002-2006</td>
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<td>Robbert Bosick, MD, MPH</td>
<td>1994-1998</td>
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<td>Robert Byington, PhD</td>
<td>1997-2018</td>
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<tr>
<td>Jeff Carr, MD, MS</td>
<td>2010-2013</td>
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<td>Doug Case, PhD</td>
<td>1987-2018</td>
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<td>John Chen, MD, PhD</td>
<td>1997-2005</td>
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<td>Stuart Cohen, PhD</td>
<td>1993</td>
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<td>Kim-Ahn Do, PhD</td>
<td>1991-1993</td>
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<td>Therese Dolecek, PhD</td>
<td>1989-1993</td>
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<td>Elizabeth Dungan, PhD</td>
<td>1997-2001</td>
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<td>Cam Enarson, MD, MBA</td>
<td>1990-2003</td>
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<td>Fanny Emnerwe, PhD</td>
<td>1991-1994</td>
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<tr>
<td>Greg Evans, MS</td>
<td>1987-2019</td>
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<tr>
<td>Sabina Gewell, PhD</td>
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<td>Gary Gunderson, MD, PhD, DMin</td>
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<td>Mark Hall, JD</td>
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<td>Kathleen Hayden, PhD</td>
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<td>Iris Lang, MD, PhD</td>
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<td>Kristina Lewis, MD, MPH</td>
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<td>Morgana Mongrov-Chaffin, MPH, PhD</td>
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<td>Sara Quant, PhD</td>
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<td>Beth Reboussin, PhD</td>
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<td>Anna Snively, PhD</td>
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<td>Stephanie Sohi, PhD</td>
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<td>Elayaged Soliman, MD, MS, MS</td>
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<tr>
<td>Brian Wells, MD, PhD</td>
<td>1996-1999</td>
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<tr>
<td>Mark Wolfson, PhD</td>
<td>1996-1999</td>
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</tbody>
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Lynn Callahan
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Karen Craver
Timothy Craven
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2000
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2001
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2002
Ryan Barnard
Judy Bahnson
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2003
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2004
Ryan Barnard
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2005
Deborah Kampman
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2006
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Judy Bahnson
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Tammy Alley
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2007
Deborah Kampman
Leonard Jordan

2008
Ryan Barnard
Judy Bahnson
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2009
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2011
Deborah Kampman
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2012
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Judy Bahnson
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Nicole Augustine
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Carol Andrews
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Tammy Alley
Amir Alexander
Hannah Ainsworth
Megan Adkisson

2013
Deborah Kampman
Leonard Jordan

2014
Ryan Barnard
Judy Bahnson
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Nicole Augustine
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Carol Andrews
Catherine Allred
Tammy Alley
Amir Alexander
Hannah Ainsworth
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2015
Deborah Kampman
Leonard Jordan

2016
Ryan Barnard
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Nicole Augustine
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Carol Andrews
Catherine Allred
Tammy Alley
Amir Alexander
Hannah Ainsworth
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2017
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Leonard Jordan

2018
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Nicole Augustine
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Catherine Allred
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Amir Alexander
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2019
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2020
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Sonya Ashburn
Carol Andrews
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Tammy Alley
Amir Alexander
Hannah Ainsworth
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2021
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2022
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2023
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2024
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2025
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2026
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2029
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