



epimonitor

THE EPIDEMIOLOGY MONITOR

A monthly update covering people, events, research and key developments

Gary Taubes Speaks At Berkeley And Seeks To Shift Thinking About Causes of Obesity

Critical Assessment of Epidemiology Appears No Less Harsh

It was his first academic lecture, he said, but that did not stop him from having an ambitious goal. Invited by the University of California Berkeley's School of Public Health Division of Epidemiology, the School of Journalism, and the Center for Weight and Health, Gary Taubes, the investigative science journalist and high-profile critic of epidemiology, came to Berkeley on November 27, 2007 to "shift the paradigm" of his listeners about what makes people fat.

His talk, entitled "The Quality of Calories: What Makes Us Fat and Why

Nobody Seems to Care", challenged much professional and popular wisdom which holds that people are fat because they eat too much or move too little. These are popular behavioral explanations for the obesity crisis, according to Taubes, which he labeled as gluttony and sloth.

People think the law of energy conservation applies - that total energy must be the result of energy-in minus energy-out. And, he added, no one cares about any possible alternative explanation to the law of energy

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Top Ten Epidemiology Interest Stories in 2007

Our January issue marks the start of a new year and is an opportunity to review some of the most notable news stories in epidemiology in 2007. Such lists are prepared by different publications for the general public on stories of general interest and by various specialty publications, such as health publications, for selected audiences. Below is our list of headlines and excerpts from the most important or interesting stories from an epidemiology perspective as reported in EpiMonday, our online weekly update of news briefs, or in the Epidemiology Monitor newsletter. We focused our choices for 2007 on stories

about the field itself or persons in it, rather than stories about disease or the causes of disease.

1. Epidemiologist Selected As One Of America's Best Leaders

"His is a world of cause and effect: By understanding the science of the cause, he has proved man can change the effect." These words, music to the ears of epidemiologists, were among those in a recent US News & World Report cover story describing Bill Foege, one of 18 persons chosen as America's Best Leaders."

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Full Job Display Announcements

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“...we aren't fat because we eat, rather we eat because we're fat.”

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-Taubes Speaks at Berkeley, con't from page 1
conservation. In comments made elsewhere (see below), Taubes has let it be known that people believe so strongly in the calories in/calories out and gluttony/sloth combination that they no longer function as scientists. Everything they see they have to find a way to interpret it so that it supports what they already believe to be true, says Taubes.

Based on a five year stint to write his book, Taubes hypothesizes that obesity is a fat accumulation disease which causes excessive eating as a side effect of being fat. Put another way, Taubes says, we aren't fat because we eat, rather we eat because we're fat.

The root cause becomes what is responsible for regulating the accumulation of fat in the body. Taubes believes most people have an overly passive concept of fat cells as mere "garbage cans" rather than seeing fat as an active tissue. Taubes implicates insulin as activating the fat tissue and says that carbohydrates are the culprits in causing this hormone-driven weight gain. This view appears to exonerate the fat calories and sedentary lifestyles that have been the key villains in popular culture on dieting. It's not difficult to understand why Taubes' views might be controversial.

Outlier Data

If nothing else, Taubes came prepared. He was armed to the teeth with data collected from his interviews and published research carried out over decades on what causes people to gain weight. Taubes' strategy in investigating the causes of obesity was to look for outlier data which are difficult to explain under the prevailing hypothesis that obesity is caused by overeating or a sedentary lifestyle. He presented

information on numerous native and other populations from around the world which were found to be overweight even in the presence of food scarcity, and gave examples of populations in which the children suffer from malnutrition while the mothers are obese. These observations are difficult to explain on the basis of overabundance of food supply, and so how can obesity be just about calorie consumption, asked Taubes.

On Epidemiology

There were few direct criticisms about epidemiology during Taubes' talk. He did meet separately with doctoral students at Berkeley, according to [Art Reingold](#), Chairman of the Division of Epidemiology, where he reiterated many of the concerns and criticisms he made of epidemiology and observational studies in his 2007 New York Times magazine article.

Taubes spoke very harshly of epidemiology in an separate interview he did subsequent to the Berkeley visit with blogger [Seth Roberts](#). In that multi-part interview, Taubes stated "If what I say in the book is correct, then observational epidemiology has done an enormous amount of damage. One line that was taken out of the New York Times article said that this was a story about the risks and benefits of observational epidemiology. There are certainly some successes in that endeavor, but if we're living through an obesity and diabetes epidemic because of its failures, then it's conceivable that more people have died because of observational epidemiology than have been saved. You always have to look at the negatives, the false negatives, and the false positives. You can't just look at the true positives and say that this is a valuable field of science..." The multi-part interview is accessible online along

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Reader Submits Information On Another Free Program For Data Analysis

EPIDAT: Software for epidemiologic analysis of tabulated data

by: Soly Santiago Perez

Epidat is a free distribution program directed to epidemiologists and other health professionals for the epidemiological analysis of tabulated data. It was developed by the Dirección Xeral de Saúde Pública, DXSP, (a public health department) from the "Consellería de Sanidade" (Xunta de Galicia, Spain) in collaboration with the Unit of Health Analysis and Information Systems of the Pan-American Health Organization (PAHO) by virtue of a Letter of Understanding between the DXSP and PAHO. Epidat is distributed through the web page of the Dirección Xeral de Saúde Pública: <http://dxsp.sergas.es>

Background

The project began in 1991 in the DXSP in response to the need for a basic statistical tool for epidemiological analysis which was by that time not easily available. The development of Epidat was integrated within the framework of an agreement signed by the Pan-American Health Organization (PAHO) and the Consellería de Sanidade of the Xunta de Galicia with the aim of collaborating in research work in the health area.

The first release of Epidat was issued in December of 1994, as a basic calculator for DOS environment. Version 2.0, already presented in a Windows environment, appeared in 1997, and in 1998 the multilingual 2.1 version began to be distributed. Version 3.0 of Epidat, which was made available in February, 2004, was a major improvement on previous versions. Finally in 2006, after a thorough revision process of Epidat 3.0, version 3.1 came out; this new version includes the option of choosing a language among Spanish, Galician, English and Portuguese as well as corrections to errors and

detected deficiencies. Epidat 3.1 operates within a Windows environment (98SE or higher) and is predominantly oriented to the processing of tabulated data.

Features

Epidat 3 is friendly for the user. Its general outlook is adapted to Windows' usual standards including bars with menus and tools. The methods included in the program are grouped in 12 modules that are displayed under the menu "Methods". Each module has its own data entry, adapted to the specific requirements of each method, and offers a text box for presenting the results which updates itself after each calculation. It is possible to open only one module at a time. The data entry process has been substantially improved as compared to previous versions, which allowed only manual data entry. In the current version almost all modules allow to automatically import data from Dbase, Access or Excel data files.

In order to facilitate the work, the program includes a text box (or "window results") which accumulates all the results obtained with the different modules within each single working session. The content of this box, which allows for the recording of both numeric and graphic results, can be edited and saved as an .rtf document that can be opened by any word processor such as Microsoft Word. It also admits copying and pasting between Epidat and any other Windows program. A specific feature of Epidat 3 is the style of its help facility which is not limited to operational aspects but also includes the statistical and epidemiological principles underlying each method, and practical examples with comments and solutions. The help files can also be downloaded from the web page in

"Epidat 3 is friendly for the user."

"A specific feature of Epidat 3 is the style of its help facility..."

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[Ed. Have you ever read a better definition of epidemiology? Maybe it would have been good to insert the word "health" in there somewhere, but the conceptualization is inspiring nevertheless.]

2. Epidemiologist Running For Congress Is Narrowly Defeated

"It's not everyday that a card-carrying epidemiologist makes a run for political office, particularly a run for Congress. When that happens, it's news in the epidemiology community, particularly when the epidemiologist comes as close to winning as Victoria Wulsin did in Ohio last November."

[Ed. For readers interested in following this story, visit www.wulsinforcongress.com where you will learn that Wulsin has announced she will run against the incumbent again next year.]

3. Competencies Are Defined For Applied Epidemiologists In Eight Domains of Expertise

"The new list of competencies is made up of eight skills, based on a framework of core skills needed by all public health professionals first enunciated by the Council on Linkages Between Academia and Public Health Practice."

[Ed. Included are assessment and analysis, basic public health sciences, communication, work in the community, cultural competency, financial and operational planning and management, leadership and systems thinking, and policy development.]

4. Future of Epidemiology Is Focus Of Presentations By Former Presidents Of The American College Of Epidemiology

"To commemorate the anniversary of the 25th meeting of the American College of Epidemiology in Fort Lauderdale in September, the College organized a session entitled 'Planning for 2030' in which five former presidents of the College gave their views about what the next 25 years might hold in store for epidemiologists. It was a rare opportunity to hear and contrast the perspectives of senior leaders in the field."

[Ed. We particularly appreciated the admonition of NIEHS's Dale Sandler who remarked that "Epidemiology is BIG...It's the questions which have gotten smaller."]

5. University of Auckland Press Publishes Neil Pearce's Account Of The Fenoterol Investigations

"It is not everyday that the President of a country or prime minister agrees to write the foreword to your book, particularly if you're an epidemiologist with a David and Goliath story to tell. How sweet it must be then for Neil Pearce, 17 years after battling successfully with a vast array of critics and doubters lined up against him and his team, to have Helen Clark, the current Prime Minister of New Zealand and former Health Minister during the controversy, write 'this book is the story of a remarkable saga of medical detective work as told by one of the lead players, Neil Pearce...the fenoterol story is one which needs to be told in full, and its lessons need to be heeded. I congratulate Neil Pearce on this book.'"

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6. Five Former Directors Identify Achievements and Challenges For CDC and the Public Health Community

"Five former directors of CDC, including [Jeff Koplan](#), [David Satcher](#), [Bill Roper](#), [Jim Mason](#), and [Bill Foege](#) gathered together for the first time to participate in a public health grand rounds focused on milestone achievements in public health."

[Ed. There were many quotable quotes to emerge from this event at George Washington University. One of our favorites led off the story, "...the fire department in Minneapolis always gets adequate funds, even if they go 30 or 40 years without a plane crash. That's the attitude we need in public health."]

7. Taubes Article in Sunday Times Magazine Reminds Once Again That Epidemiology Has Limitations

"Much to the consternation of epidemiologists, the discipline's high profile media critic [Gary Taubes](#) has struck again. This time the science writer has attacked in a feature article of the New York Times Sunday magazine entitled, "Unhealthy Science". Taubes' main point, made using the Nurses Health Study as the key villain, is that epidemiology cannot inherently establish causality."

[Ed. What made this critique unusual is its publication in one of the major publications of the mainstream media. Soon the discipline's vulnerabilities, well known to practitioners, will be widely recognized. Perhaps this could had a silver lining hoping results diminishes.]

8. Exclusive Interview With Developers Of STROBE Guidelines For Reporting Of Epidemiologic Studies

"Last month, several journals published Guidelines for Reporting Observational Studies in a statement titled Strengthening the Reporting of Observational Studies in Epidemiology (STROBE). The guidelines, which are in fact a checklist, were developed by an ad hoc network of researchers and editors led by [Erik von Elm](#) for the University of Bern. The stated purpose for developing the guidelines is to improve the quality of the reporting about observational studies."

[Ed. We think the interviewees did a good job of clarifying their intentions. Still doubts may remain about the value of the guidelines, but time will tell whether it was a useful idea or not. In the meantime, the most apt comments may have been those of [Brian MacMahon](#) and [Noel Weiss](#) writing in *Epidemiology* who stated 'We (like most readers) try to avoid judging an apple by how well it is polished.']

9. Survey of Epidemiologists Documents Widespread View That HIPAA Is Bad For Our Health

"A long awaited survey on the impact of the Health Insurance Portability and Accountability Act (HIPAA) Privacy Rule has been published in JAMA showing that two thirds of epidemiologists responding believe that the privacy rule has delayed research and made it more costly."

[Ed. The results were not a surprise to epidemiologists who had inklings of this or even direct experience of the problems. Will anything change is the big question. These data may be helpful in catalyzing reform.]

10. Unequivocal Support For Observational Studies From The Lancet

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with reader comments at
<http://www.blog.sethroberts.net/2008/01/05/interview-with-gary-taubes-directory/>

Defense of Epidemiology

"...epidemiologic studies done well and interpreted cautiously are a critical piece of modern day science."

Asked about his views on Taubes' criticisms and whether or not epidemiologists were taking any organized measures to respond to them, Reingold told the Epi Monitor that none of Taubes criticisms come as news to epidemiologists. In fact, faculty will point out these vulnerabilities in teaching epidemiology, so there are no surprises to the initiated. However, pointing out that epidemiology can come up with the wrong answer is not something widely appreciated by the public, said Reingold.

In fact there is a long list of health topics in which epidemiology got it right and prevented a great deal of morbidity and mortality. However, Taubes goes too far and throws out the baby with the bath water. Randomized controlled trials are not the answer to everyone's problems, said Reingold, and epidemiologic studies done well and interpreted cautiously are a critical piece of modern day science. If you don't believe this, according to Reingold, then your not prepared to make real world decisions, and you don't belong in public health. There comes a moment when you believe enough that you can act to do something even without absolute certainty. He cited the example of folic acid and neural tube defects to show how the observational studies had it right, and after some investigators felt compelled to conduct a randomized controlled trial, it only confirmed the observational studies.

Taubes' views about the shortcomings of epidemiologists and of other scientists are well known. In an interview with the Epi Monitor in June

of 2005 prior to publication of his latest book, Taubes told the Monitor that "the limitations of epidemiology are so huge...that we need a culture which says we're not going to believe anything except the clinical controlled trial..." He concluded that interview by saying "My fantasy with the book I'm writing is that, right or wrong, I should end up in a Congressional hearing saying here is the problem. The problem is that I've just given you a compelling argument that nutritionists and public health experts and epidemiologists have spent the last fifty years screwing up mightily, and you don't know if it's right or wrong, and neither do I and the science is incapable of telling us."

He concluded his Berkeley lecture by making what he called a modest proposal to test what he called the "calories hypothesis" which now prevails and the "carbohydrate hypothesis" which he favors. He repeatedly expressed frustration by what he says is the difficulty of doing science correctly to test hypotheses. A webcast of Taubes' lecture which lasted approximately two hours can be viewed as a Berkeley webcast at

http://webcast.berkeley.edu/event_details.php?webcastid=21216 ■

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The editor of The Lancet left no doubt in 2007 where he stands on the value of observational studies. "High profile reversals of a few flawed or over-interpreted research studies should not be allowed to damage the overall credibility of non-experimental methods in medicine."

[Ed. The credibility of epidemiology, both in the eyes of the public as well as in the eyes of other scientists, is a matter of concern to epidemiologists. Statements like these can serve as antidotes to unfavorable judgments about the overall contributions of the field.] ■

"...nutritionists and public health experts and epidemiologists have spent the last fifty years screwing up mightily..."

Forthcoming Epidemiology and Public Health Books in 2008*

Title	Author	Publisher	Pub. Date	Price
Meta-Analysis for Public Health & Medical Research	LaValley, Michael P.	CRC Press	April 2009	\$89.95
Forensic Epidemiology	Koehler, Steven A.	CRC Press	Jan. 2009	\$129.95
Physical Activity & Health	Hardman	Routledge	Dec. 2008	\$49.95
Bayesian Disease Mapping	Lawson, Andrew & Staff	CRC Press	Oct. 2008	\$79.95
Understanding Health Policy	Bodenheimer, Thomas S. et al.	McGraw-Hill Medical Publishing Division	Aug. 2008	\$39.95
Encyclopedia of Public Health	Heggenhougen, Kris	Elsevier Science & Technology Books	Aug. 2008	\$1595.00
Spatial Epidemiological Approaches in Disease Mapping and Analysis	Lai Poh Chin & Staff	CRC Press	July 2008	\$99.95
Field Epidemiology	Gregg, Michael B.	Oxford University Press	July 2008	N/A
Hyping Health Risks: Environmental Hazards in Daily Life and the Science of Epidemiology	Kabat, Geoffrey C.	Columbia University	July 2008	\$27.95
Dictionary of Epidemiology	Porta, Miquel	Oxford University Press	June 2008	\$59.50
Molecular Epidemiology of Chronic Diseases	Wild, C. et al.	John Wiley & Sons	May 2008	\$130.00
Molecular Epidemiology in Cancer	Rebbeck, Timothy R. & Staff	Taylor & Francis Group	May 2008	\$199.95
Spatial Analysis in Epidemiology	Stevenson, Mark et al.	Oxford University Press	May 2008	\$70.00
Epidemiology and Prevention of Cardiovascular Disease	Labarthe, Darwin	Jones & Bartlett Publishers	May 2008	\$79.95
Bending Science: How Special Interests Corrupt Public Health Research	McGarity, Thomas. Et al.	Elsevier Science & Technology Books	May 2008	\$45.00
Epidemiology: With Student Consult Online Access	Gordis, Leon	Elsevier-Health Sciences Division	May 2008	\$49.95
Public Health and the Risk Factor: A History of Uneven Medical Revolution	Rothstein, William G.	University of Rochester Press	April 2008	\$34.95
Principles of Exposure Measurement in Epidemiology: Collecting, evaluating and improving measures of disease risk factors	White, Emily et. Al	Oxford University Press	April 2008	\$69.50
Epidemic	Baker, Robert	Vision Paperbacks	April 2008	\$17.95
Public Health: What It Is and How It Works	Turnock, Bernard J.	Jones & Bartlett Publishers	March 2008	N/A
Survival Analysis for Epidemiologic and Medical Research	Selvin, Steve	Cambridge University Press	March 2008	\$95.00
Rose's Strategy of Preventive Medicine	Rose, Geoffrey et al.	Oxford University Press	March 2008	\$39.95
Epidemiology for Public Health Practice	Friis, Robert H. et al.	Jones & Bartlett Publishers	March 2008	\$69.95
Manufactured Uncertainty: Contested Science and the Protection of the Public's Health and Environment	Michaels, David	Oxford University Press	March 2008	\$27.95
The State of Health Atlas: Mapping the Challenges and Causes of Disease	O'Donovan, Diarmuid	University of California Press	Feb. 2008	\$50.00
The Sociology of Health, Healing and Illness	Weiss, Gregory L. et al.	Prentice Hall Higher Education	Feb. 2008	\$77.33
Public Health: The Development of a Discipline	Schneider, Dona et al.	Rutgers University Press	Feb. 2008	\$44.95
The Epidemiology of Diabetes in Youth	Dabelea, Dana & Staff	Taylor & Francis Group	Feb. 2008	\$199.95
Modern Epidemiology	Rothman, Kenneth J. et al.	Lippincott Williams & Wilkins	Feb. 2008	\$99.00
New Perspectives on Knowledge, Attitudes and Practices in Health	Pierce, Raymond W. et al.	Nova Science Publishers, Inc.	Feb. 2008	N/A
A Sociology of Health	Wainwright, David	SAGE Publications	Feb. 2008	39.95
Outcome-Based Massage: From Evidence to Passage	Andrade, Carla-Krystin et al.	Lippincott Williams & Wilkins	Feb. 2008	\$52.95
Understanding the Sociology of Health: An Introduction	Barry, Anne-Marie et al.	SAGE Publications	Jan. 2008	\$14.95
Wellness: Concepts and Applications	Anspaugh, David J. et al.	McGraw-Hill Higher Education	Jan. 2008	\$61.88

* Compiled selctively from Books-In-Print databases, January 2008

Top Ten “Editor’s Quotes Of The Week” In 2007

Each week in Epi Monday we provide recaps of news items of interest to epidemiologists along with commentary and the editor’s quote of the week. We come across these quotes from a variety of sources. Below are the quotes which made our top ten list of the most enjoyable or memorable in 2007.

1. “Some circumstantial evidence is stronger than others, as when for example you find a trout in your milk.”

A comment attributed to Henry David Thoreau by epidemiologist Paul Stolley speaking at a pharmacoepidemiology meeting in Newcastle Australia in 1989 about new data collected by Neil Pearce and his colleagues suggesting an increased risk of asthma deaths among users of fenoterol. Thoreau wrote during a time when it was common to adulterate milk with river water. The story of how this quote came to be used is described in Neil Pearce’s new book “Adverse Reactions: The Fenoterol Story which was reviewed in the April issue of the *Epidemiology Monitor*.

2. “When you go around the earth in an hour and a half, you begin to recognize that your identity is with the whole thing.”

Russell Schweickart, US astronaut, as quoted in *The Sphere*, the magazine of Loma Linda University School of Public Health, Winter 2007

3. “The secret to success in public health is one word – persistence.”

David Satcher, former CDC Director and now Director of the Center of Excellence on Health Disparities at Morehouse School of Medicine, quoting Donna Shalala, former Secretary of the Department of Health and Human

Services, at the Public Health Grand Rounds held at George Washington University School of Public Health in April 2007.

4. “The Achilles heel of science is certainty.”

Bill Foege, Senior Fellow at the Bill and Melinda Gates Foundation, quoting the physicist Richard Feynman, while speaking at the Public Health Grand Rounds held at George Washington University in April 2007.

5. “I beseech you to treasure up in your hearts these my parting words: Be ashamed to die before you have won some victory for humanity.”

Horace Mann in a commencement address to graduates of Antioch College in 1859 and cited as a favorite quote of alumnus George Comstock, the Hopkins epidemiologist who died in 2007. The note about the quote is in a remembrance of George Comstock published by the Hopkins Bloomberg School of Public Health.

6. “To improve something, first measure it.”

This maxim was included in the UNICEF report on child well-being in rich countries. The report goes on to describe the value of measurement by saying that over the long-term “measurement serves as the handrail of policy, keeping efforts on track towards goals, encouraging sustained attention, giving early warning of failure or success, fueling advocacy, sharpening accountability, and helping to allocate resources more effectively.”

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- Top Ten Quotes, con't from page 8

7. *"Putting what we know into practice would prevent more disease than worshipping at the altar of randomized trials."*

John Concato, Director, VA Clinical Epidemiology Research Center, Yale University, writing in a letter to the NY Times Sunday magazine in response to the Gary Taubes article.

8. *"...public health brings together science and politics. It's why it's so much fun and such hazardous duty."*

Bill Roper, former CDC Director and now Dean of the Medical School, Vice Chancellor for Medical Affairs, and CEO of the University of North Carolina Health System in Chapel Hill, speaking at Public Health Grand Rounds at George Washington University in early April 2007.

9. *"We (like most readers) try to avoid judging an apple by how well it is polished."*

Brian McMahon and Noel Weiss, well known and respected epidemiologists commenting critically in *Epidemiology* about the new reporting recommendations for observational studies (Strengthening the Reporting of Observational Studies in Epidemiology, STROBE).

10. *"Observational data on human disease and mortality are not intrinsically frail. On the contrary, they are our most crucial source of information on the patterns, causes, and trends of disease and death in human beings in their natural habitat—human society. For that, experiments are next to useless."*

Michael Coleman, Cancer Research UK Cancer Survival Group, London School of Hygiene and Tropical Medicine, commenting in the *International Journal of Epidemiology* (August 2007) on a reprinting of a 1981 article "The rise and fall of epidemiology, 1950-2000 AD" by Ken Rothman. ■

- *EpiDat*, con't from page 3

.pdf format. There is a file for each module and an additional one on the general use of the program. Only the last module has been translated to all the languages in the application. The folder containing the files of the examples will be installed by default in the folder "Examples" in the path where the application has been installed.

Additional statistical methods have been incorporated to the successive releases of the program. At the end of this article we include a detailed account of the program and its contents (see online version of the *Epi Monitor* for this detailed account). The modules presently included in *Epidat* are:

- **Rates adjustment:** There are two basic methods for rate adjustment: the direct one, which calculates standardized rates applicable to a standard reference population, and the indirect one which provides standardized mortality rates (SMR).

- **Demography:** This module includes some of the demographic techniques more frequently used in health services: population pyramids, mortality tables and premature mortality analysis by means of the computation of lost potential life years (LPLY). It also contains specific methods for mortality analysis by life expectancy.

- **Sampling:** It performs two fundamental tasks of the sampling design: the calculation of the sampling size and the selection and allocation of the sampling units.

- **Probability distributions:** It yields analytical and graphical expressions of distribution and inverse distribution

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- *EpiDat* con't from page 9

functions for the main discrete and continuous probability laws. It also generates samples of arbitrary size of random distributions functions.

- **Agreement and consistency:** This module deals with the most commonly used techniques for measuring inter-observer agreement using Cohen's kappa coefficient, and questionnaire internal consistency using Cronbach's alpha coefficient.

- **Diagnostic tests:** It provides the main quantitative tools to assess the effectiveness of diagnostic tests: sensibility, specificity, predictive values, likelihood ratios and ROC curve analysis.

- **Contingency tables:** This module includes several options to analyze categorical data. One of the sub modules is devoted to epidemiological analysis of exposure-disease association in 2x2 tables including options for the study of association between exposure and illness in 2x2 tables for different study designs, and dose-response relationship in 2xN tables. In either case, the analysis may be simple or stratified. It also includes a sub module for logistic regression on tabulated data.

- **Inference about parameters:** This module calculates confidence intervals and performs one and two-sample hypothesis tests for means, proportions and percentiles.

- **Bayesian Analysis:** This module allows for the application of Bayesian methodology to basic problems, such as estimation and comparison of means and proportions. In most of the options the user can select interactively the a priori most appropriate distribution function.

- **Surveillance in public health:** This one includes a number of tools commonly used for surveillance: capture-recapture models, spatial, temporal or spatial-temporal cluster detection, endemic channels, epidemic curve analysis and vaccine effectiveness evaluation.

- **Meta-analysis:** This module includes the most commonly used statistical methods to calculate pooled estimates of common

measure effects from different studies: odds ratio, relative risk, risk difference or standardized mean difference. It presents also the results graphically in a forest plot, and it includes graphical techniques for heterogeneity evaluation (Galbraith and L'Abbé plots), identification of publication bias and sensitivity analysis.

- **Hierarchization:** This module provides a number of indicators to organize and classify population groups and geographical areas according to health needs and priorities, such as the health needs index or the human development index. Additionally, two options for health inequalities analysis are included: the Gini coefficient and the concentration index, with their respective Lorenz and concentration curves.

Current Situation and Program Perspectives

Epidat 3.1 version was made available on the web on January 2006. As of December 2007, 9,386 copies had been downloaded, which represents an average of 410 downloads per month. Of these downloads, 43% were from public health units or departments and 68% were from 55 different foreign countries, mainly from Latin America.

Currently the Epidat development staff has started to work on version 4.0, which will be completely reprogrammed using JAVA, an object-oriented programming language. The main novelty of the next version will be its modular character, which will provide a working environment to which present or new modules could be added. This will facilitate future program updates. Furthermore, new methods will be added to Epidat, either as new modules or included in already existing ones. For any comments or suggestions about the program please write to: soporte.epidat@sergas.es. ■

"The main novelty of the next version will be its modular character..."

EPI Job Bank

No of jobs: 170+

The Epi Job Bank provides capsule listings of all known job opportunities currently available in epidemiology. Any employer may list one or more available jobs free of charge until filled. Listings are revised and updated monthly. To add new listings or to notify us when vacancies have been filled, please call the Epi Monitor: 770/594-1613 or fax: 770/594-0997. Bullets (•) before state indicate new listings. Asterisks (*) indicate fax numbers. Oao=open as of (the date listed). Cd=closing date of (the date listed).

State	City	Institution	Description	Degree	Contact	Phone/* Fax	Email/Fax	oao/cd
AL	Birmingham	Uni Alabama	Renal Epidemiologist	MD/PHD	Joanna Carson	*205/934-8665	Jcarson@uab.edu	oao 11/10/07
AR	Little Rock	Univ of AR	Breast Cr Epi	Doc in Epi	Fred Kadlubar	*501/686-5845	fkadlubar@uams.edu	oao 10/25/07
AZ	Phoenix	Dept of Health Services	Lab Data Mgt Coordinator	Bachelors in MIS	Rosalee Montoya	*602/542-1090	montoyr@azdhs.gov	oao 12/01/07
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AZ	Phoenix	Dept of Health Services	TEPP Data Analyst	Bach or Masters	Rosie Montoya	*602/542-1090	montoyr@azdhs.gov	oao 11/01/07
AZ	Phoenix	Government	Epidemiologist	Bachelor	Rosalee Montoya	*602/542-1090	montoyr@azdhs.gov	oao 12/15/07
CA	Fremont	N.Cal Cancr Ctr	Biostatistician	Masters in Biostat	HR	*510/608-5147	hr@nccc.org	oao 01/15/08
CA	LA	U.SoCal	Assoc. Prof Res.	PHD	Joan Howland		howland@usc.edu	oao 01/15/08
CA	LA	UCLA	Ass't. Prof of Resrch	PHD	Joan Howland		howland@usc.edu	oao 01/15/08
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CA	Los Angeles	HIV Epi Program	Research Analyst	Masters-stat,epi	Zhijuan Sheng	*213/487-4683	zsheng@ph.lacounty.gov	oao 11/15/07
CA	Los Angeles	U of So. California	Asst Prof Res/Env Health	PhD	Joan Howland		howland@usc.edu	oao 01/15/08
CA	Los Angeles	U of Southern CA	Clinical Asst Professor	PhD	Joan Howland		howland@usc.edu	oao 01/15/08
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CA	Los Angeles	U. of S. Cal	Ass't Prof/Epi	PHD	J. Howland		howland@usc.edu	oao 01/15/08
CA	Los Angeles	Uni. S. Cali	Fac/Gen.Molec Epi	PHD	Joan Howland		howland@usc.edu	oao 01/15/08
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CA	Newbury Park	Outcomes Insights	Epidemiologist	Mast/PHD pref.	Mark Danese	*805/715-8106	mark@outins.com	oao 12/26/07
CA	Pasadena	Kaiser Permanente	Research Scientists	Doctorate	Jan Akins		Jan.B.Akins@kp.org	oao 11/15/07
CA	Pasadena	Kaiser Permanente	Sr Res Project Manager	Masters or equiv	Jan Akins	626/405-5746	Jan.B.Akins@kp.org	oao 11/15/07
CA	Richmond	Chevron	Epidemiologist	PHD	Stu Pike	925/827-7861	stupike@chevron.com	oao 01/15/08
CA	San Diego	San Diego State Univ	Epidemiologist	Doc-epi	Search Committee		http://publichealth.sdsu.edu	oao 11/15/07
*CA	San Diego	UCLA - SD	Postdoc	PHD in epi	Niloo Afari	*858/822-3777	nafari@ucsd.edu	oao 11/26/07
CA	Stanford	Stanford U-School of Med	FT Ten Track Faculty (2)	PHD or equiv-epi	Jessica Bussey		bussey@stanford.edu	oao 01/10/08
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DC	Washington	Children's Med Center	Epidemiologist	HR			SCoppadg@cnmc.org	oao 01/10/08
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DC	Washington	Henry M Jackson Found	Biostatistician	Master's	Recruiter	*240/314-7334	careers@hjif.org	oao 01/10/08
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DC	Washington	NCI/DCEG	Fellow-Cancer Epi,Genetics	MD or Doc-epi, re			www.dceg.cancer.gov	oao 11/01/2007
DE	Dover	Div. of PH	Epi (Enviro)	BS/MS	Gerald Llewellyn	302/744-4824	gerald.llewellyn@state.de.us	oao 01/10/08
FL	Gainesville	Univ of Florida	Asst/Assoc Prof-Epi	Doc-epi	Nabih R Asal	*352/273-5365		oao 01/10/08
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GA	Atlanta	ACS	Sr Epidemiolgist	PHD/MD	www.cancer.org/jobs		acs.jobs1@cancer.org	oao 10/09/07
GA	Atlanta	CDC	Research Participant	MPH	Debbie Alcorn	*865/241-5219	debbie.alcorn@orau.org	oao 01/08/08
GA	Atlanta	Emory Univ.	Ass't. Prof Infec. Dis.	PHD/MD/MPH	Job Ref: 2006BR	*404/727-1278	www.emory.edu/career.cfm	oao 01/10/08
GA	Atlanta	Morehouse	Assistant Professor	PhD or MD/MPH	Patrick Thomas	*404/752-1182	pthomas@msm.edu	oao 11/15/07
GA	Atlanta	Morehouse	Instructor	PhD or MD	Patrick Thomas	*404/752-1182	pthomas@msm.edu	oao 11/15/07
GA	Atlanta	Emory University	Global enviro health tenure	PhD	Paige Tolbert	*404/727-8744	ptolber@sph.emory.edu	oao 11/15/07
GA	Atlanta	RTI International	Research Epidemiologist 2	Doctorate	Maryla Brown-Smith	*919/316-3791	mbrownsmith@rti.org	oao 11/15/07
HI	Honolulu	Univ of HI	PostDoc Fellow - Cancer	Doctorate	Karin Koga	808/441-7704	kkoga@crch.hawaii.edu	oao 01/10/08
HI	Honolulu	University of Hawaii	Infectious Dis Epi	PHD/MD	F. DeWolfe Miller	*808/692-1979	dewolfe@hawaii.edu	oao 01/01/08
IA	Iowa City	University of Iowa	Prevention Research	MD/DO	Dr. James Torner	*319/384-5004	james-torner@uiowa.edu	oao 12/07/07
IL	Wood Dale	Exponent, Inc.	Sen. Mng Scientist	Doc degree in Epi	Cynthia Connors	*202/772-4965	cconnors@exponent.com	oao 01/10/08
IN	Indianapolis	IN Dept. Health	Enviro Epi	MPH or equiv	R. Teclaw	*317/234-2812	rteclaw@isdh.in.gov	oao 01/10/08
IN	W Lafayette	Purdue University	PH Vet/Epidemiologist	DVM,MD,RN	Search Committee		hogenesch@purdue.edu	oao 01/10/08
KS	Topeka	Kansas Dept of Health	Epi Req #152732/152723	MD-DO	HR		www.jobs.ks.gov	oao 11/15/07
KY	Lexington	Lex-Fay Co. Dept.	Com. Asses. Team Ldr	Bachelors	Bach/Masters	*859/288-2359	sarav.lunsford@ky.gov	oao 11/04/07
KY	Lexington	University of Kentucky	Pre/Post Doc Fellow	PhD,DrPH,MD	Mark Dignan	859/323-4708	mbdign2@email.uky.edu	oao 01/10/08
LA	Baton Rouge	PBRC	PD Fellow-Pop Sci	PHD in epi, MPH	Peter Katzmarzyk	*225/763-2927	landrylh@pbrc.edu	oao 12/07/07
LA	Shreveport	Louisiana State Univ	Neuroepi / Statistician	PhD or MD	Anil Nanda	*318/673-4457	ananda@lsuhsc.edu	oao 01/10/08
MA	Amherst	Baystate Medical Ctr.	Dir. of Epi	PHD in epi/equiv	E. Bertone-Jackson	*413/545-1645	ebertone@schoolph.umass.edu	oao 01/10/08
MA	Boston	Boston Public Health	Director of Research Dept.	PhD	Patty Hall		jobs@bphc.org	oao 11/01/07
MA	Boston	Boston Public Health	Evaluator	BA/BS or MPH	Patty Hall		jobs@bphc.org	oao 11/01/07
MA	Boston	Boston Public Health	Research Associate	BA/BS or MPH	Patty Hall		jobs@bphc.org	oao 11/01/07
MA	Boston	Children's Hospital	Assoc. Director	PHD/MDw/MPH	Stavroula Osganian	617/355-2482	laura.haley@childrens.harvard.edu	oao 11/10/07
MA	Boston	Harvard	Ass't Professor	PHD/MD	Elizabeth Jones	617/432-1070	ejones@hsph.harvard.edu	02/01/08
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MA	Boston	Harvard PH	Pre/Post Doc-Nutri Epi	Ms,MD,DS,PHD	Meir Stampfer	617/525-2747	mstampfe@hsph.harvard.edu	oao 11/15/07
MA	Boston	Harvard School of PH	Epidemiologist	Doc-epi	Meir Stampfer		mstampfe@hsph.harvard.edu	oao 11/15/07
MA	Boston	Harvard School of PH	Pre/Post Doc Fellows	MD,DVM,PhD	Meir Stampfer		mstampfe@hsph.harvard.edu	oao 11/15/07
MA	Boston	Public Health Institute	Dir of Research Office	Bachelors-bio,sci,	Valerie Fisher	*510/285-5504	jobs@phi.org	oao 11/15/07
MA	Newton	i3 Drug Safety	Epidemiologist III	Doctoral-epi, equiv	Michelle Gaudet	310/326-8024	mgaudet@uhc.com	oao 11/15/07
MA	Roslindale	Hebrew Senior Life	Clinical Studies Project Dir	Masters+2yrs exp			jobs@hrca.harvard.edu	oao 12/15/07

State	City	Institution	Description	Degree	Contact	Phone/* Fax	Email/Fax	oao/cd
MA	Waltham	Decision Resources	Principal Dir - Epi	MPH/PHD Epi	Mary Carrigan	*781/296-2799	mcarrigan@dresources.com	oao 01/10/08
MD	Baltimore	Community Hlth Admin.	Chief, Clinic Epi	MD/DO	Mark Townend	*410/333-5689	jperrone@dnhm.state.md.us	oao 11/28/07
MD	Baltimore	JHU	Res. Data Analyst/Epi	Ba/BS Epi or rel	Ruth Gill	410/955-3006	rgill@jhsph.edu	oao 01/10/08
MD	Baltimore	Johns Hopkins University	Postdoc Fellow, Cardio	Doctoral	April Lawner	*410/955-0476	alawner@jhu.edu	oao 11/15/07
MD	Baltimore	Morgan State	Ass't/Assoc Prof	PHD Epi/Biostat	Eduardo Velasco	*443/885-8309	evelasco@moac.morgan.edu	oao 12/08/07
MD	Baltimore	Johns Hopkins University	Predoc Trainee, Cardio	n/a	April Lawner	*410/955-0476	alawner@jhu.edu	oao 01/10/08
MD	Bethesda	DHHS/NIH/NCI	Post Doc Fellow	MD, PhD or equiv	Chair		goedertj@mail.nih.gov	oao 11/01/07
MD	Rockville	FDA Center for Biologics	Epidemiologist	MDD/MPH, equiv	Miles Braun	*301/827-5218	miles.braun@fda.hhs.gov	oao 11/01/07
MD	Rockville	FDA-CBER	Medical Epi	Doctoral Degree	Robert Wise	301/827-6089	robert.wise@fda.hhs.gov	oao 12/15/07
MD	Rockville	Hlth Res. & Analysis	Biostat/Epi	Mast Epi/Bio	HR	*301/468-6671	hrarecruiting@health-ra.com	oao 01/10/08
MD	Rockville	NCI	Viral Cancer Epidemiology	MD, PhD or doc	James Goedert		goedertj@mail.nih.gov	oao 01/10/08
MD	Rockville	Westat	Epi/Stat	masters/2 yr. exp	R. Carow	*301/294-2092	hrhs@westat.com	oao 01/10/08
MD	Rockville	WESTAT	Epidemiologist/Analyst	PhD/Masters+2yrs	R. Carow	*301/294-2092	hrhs@westat.com	oao 01/10/08
MD	Rockville	Westat	Senior Epidemiologist	PhD/MD/MPH+5	R. Carow	*301/294-2092	hrhs@westat.com	oao 01/10/08
MD	Rockville	Westat	Sr Epidemiologist	PhD/MD w/MPH	R. Carow	*301/294-2092	hrhs@westat.com	oao 01/10/08
MD	Rockville	Westat	Sr. Epi/Int'l Stud	MD/PHD	R. Carow	*301/294-2092	hrhs@westat.com	oao 01/10/08
ME	Augusta	Univ. of S. ME	Research Associate	Masters in Epi,	Kathy Decker	207/ 287-3218	kathy.l.decker@maine.gov	oao 12/07/07
ME	Portland	Maine Medical Center	Statistician	Masters+exp	web-#A199BL		www.mmc.org	oao 01/10/08
ME	Portland	Univ. of S. Maine	Field Epidemiologist	Bachelors	Susan Taylor	*207/822-8177	taylor@usm.maine.edu	oao 11/01/07
ME	Scarborough	Foundation for Blood Res.	Epi	MS in Epi/MPH	Christine Wolf	*207/885-0807	cwolf@fbr.org	oao 01/10/08
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MI	East Lansing	Michigan State	Fac Position-Human Gen	Doc w/research	Chair		genetics@msu.edu	oao 12/07/07
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MN	Minneapolis	UMN School of PH	Asst or Assoc Prof	Doctoral-epi	Kathy Ramel	Ref# 134260	ramel@epi.umn.edu	oao 11/01/07
MN	Minneapolis	UMN-School of PH	Infectious Disease Prof	PhD, DrH or equiv	Kathy Ramel	*612/624-0315	ramel@epi.umn.edu	oao 01/10/08
MN	Minneapolis	Univ of Minnesota	Asst/Assoc Prof (#135358)	Doctorate+epi tra	Julie Ross		www.umn.edu/ohr/employment	oao 11/15/07
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MO	St. Louis	Washington Scl of Med	Biostatistician	MPH, PHD	Tammy Rahn	www.wustlcareers.com job# 080375		oao 01/10/08
MO	St. Louis	Washington Univ.	Biostatistician	Masters	Tammy Rahn	*314/362-4923	rahtn@wustl.edu	oao 10/10/07
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NC	Durham	Constella Group	Epidemiologist	PhD	Ellen Benzine		ebenzine@constellagroup.com	oao 11/15/07
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NC	RTP	RTI International	Dir Enviro Epi & Stat Res	Doctorate; Master	Maryla Brown-Smith	*919/316-3791	mbrownsmith@rti.org	oao 11/15/07
NC	RTP	RTI International	Senior Research Epi I	PhD or MD-epi, re	Maryla Brown-Smith	*919/316-3791	mbrownsmith@rti.org	oao 11/15/07
NC	Winston-Salem	Wake Forest Hlth Srvc.	Epi-Cogn. Func, Disability	PHD, Sc.D, MD	David Goff	*336/713-4300	dgooff@wfubmc.edu	oao 12/07/07
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NJ	East Hanover	Novartis	Assoc. Dir, Epi	PHD/MPH	Songlin Xue	862/778-2898	songlin.xue@novartis.com	oao 01/15/08
NJ	East Hanover	Novartis	Director, Epi	PHD/MPH	Songlin Xue	862/778-2898	songlin.xue@novartis.com	oao 01/15/08
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NJ	Princeton	Client Confidential	Dir. Pharmacoepidemiology	Advanced PHD/MD	D Beverly Horvat	412/851-4144 x	6 bhorvat@criticalpathinc.net	oao 12/07/07
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NY	New York	City University of NY	Dir,Inst for Demo Research	research exp	Neil Bennett		Neil_Bennett@baruch.cuny.edu	oao 11/15/07
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NY	New York	Mt Sinai School of Med	Faculty Positions-Epi	training in epi	David Savitz		david.savitz@mssm.edu	oao 01/22/08
NY	New York	NYC Dept. Hlth	PH Epidemiologist	Masters Degree	Yolanda Gaines	646/619-6669	ygaines@mhra.org	01/28/08
NY	New York	NYC DOHMH	Research Scientist	PhD+1yr	Marina Thompson	212/788-4893	mthompso@health.nyc.gov	oao 11/01/07
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NY	New York	WTC Med. Mon.	Analysis/Repor. Dir	MPH	Kathy Dodd		wtchiring@mssm.edu	oao 11/20/07
NY	New York	WTO Med. Mon	Biostatistician	Mas. BioStat/Epi	Kathy Dodd		wtchiring@mssm.edu	oao 11/20/07
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OH	Columbus	Children's Hospital	Injury Research Faculty	Doc in medical, ph	Gary A Smith	*614/722-2448	gsmith@chi.osu.edu	oao 01/22/08
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OH	Dayton	Wright State Univ	Postdoc Researcher	PHD	Roger Siervogel	*967/775-1456	roger.siervogel@wright.edu	oao 01/07/08
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OK	Oklahoma City	OK Dept. of Health	Epidemiologist	MPH	Randy Wray	*405/271-3539	randyw@health.ok.gov	oao 10/22/07
OK	Oklahoma City	OU CPH	Ass't/Assoc Prof	PHD in epi	Linda Cowan	*405/271-2068	linda-cowan@ouhsc.edu	oao 11/01/07
OR	Portland	Kaiser Permanente	Biostatistician	PHD	Allison Naleway	*503/335-6311	allison.naleway@kpchr.org	oao 01/22/08
OR	Portland	Office of Family Health	Epi Unit Manager	PHD	Ken Rosenberg	971/673-0237	ken.d.rosenberg@state.or.us	oao 01/22/08
OR	Portland	Oregon PH Div.	PH Physician-Epi	MD/DO	Paul Lewis	*971/673-1100	paul.f.lewis@state.or.us	oao 12/31/07
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PA	Philadelphia	Childrens Hosp. of Pa	Injury Epi	Masters in Epi	Reena Nemirovsky	*212/490-2812	rnemirovsky@ny.hodes.com	oao 11/15/07
PA	Philadelphia	Drexel Univ.	Ass't/Assoc. Prof - Epi	Doctorate Epi	Craig J. Newschaffer	215/762-7152	cnewscha@drexel.edu	oao 01/10/08
PA	Philadelphia	Univ of Pennsylvania	Clinician Educator	Doctoral-biostat, stat	Warren Bilker		wbilker@ceb.med.upenn.edu	oao 01/22/08
PA	Philadelphia	Univ of Pennsylvania	Research Fac, non-ten track	Doctoral-biostat, stat	Warren Bilker		wbilker@ceb.med.upenn.edu	oao 11/15/07
PA	Philadelphia	U of Pennsylvania	Clin Epi/Hlth Srv Res Fell	Adv degree	Tom Kelly	215/898-0861	tkelly@ceb.med.upenn.edu	oao 11/01/07
PA	Pittsburgh	U-Pitt, School of Dental Med	Asst or Assoc Prof	PhD or DrPH	Robert Weyant		rjw1@pitt.edu	oao 11/01/07

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SC	Charleston	Medican Univ of SC	Asst Prof-Cancer Epi	PhD	Anthony Alberg		alberg@musc.edu	oao 01/10/08
SD	Sioux Falls	Sanford Research/USD	Epi Core Director	PHD	Betty Poppens	*605/328-1355	bpoppens@usd.edu	oao 11/15/07
•TN	Memphis	Univ. of TN	Enviro Epi	PHD or equiv	Frances A. Tylavsky	*901/448-3770	ftylavsky@utmem.edu	oao 01/08/08
TN	Nashville	Vanderbilt Univ	Post Doc Fellow	PhD	Wei Zheng	*615/936-1269	wei.zheng@vanderbilt.edu	oao 11/15/07
TN	Nashville	Vanderbilt Univ	Post-doc Fell Cancer Epi	PhD,Dr.PH	Wei Zheng	615/936-0682	Wei.zheng@vanderbilt.edu	oao 11/15/07
TX	College Station	TX A&M HSC	Biostatistician	PH.D,SC.d, equiv	Jennifer Larkin	*979/458-1877	jlarkin@srph.tamhsc.edu	oao 11/15/07
TX	College Station	TX A&M HSC	Epidemiologist	PH.D, Sc.D, Dr.Ph	Jennifer Larkin	*979/458-1877	jlarkin@srph.tamhsc.edu	oao 11/15/07
TX	Dallas	Cooper Institute	Dir. Epi/Chief Scientist	PHD	HR	*972/341-3210	hr@cooperinst.org	oao 11/11/07
•TX	Houston	HCPHES	Epidemiologist	MPH in epi	Personnel	713/439-6195	hr@hcpbes.org	oao 01/10/08
TX	San Antonio	AIM USA LLC	Epidemiologist	Masters/PHD	Debbie Smith	*210/579-7003	debbie.smith@aimusallc.com	oao 01/01/08
UT	Salt Lake City	UT Dept. Health	Epi Mgr I	MPH or related	Bill Brandon		wbrandon@utah.gov	oao 01/01/08
VA	Arlington	The Degge Group	Epidemiologist	PHD/MD w/PHD	HR	*703/276-0069	apply_to_hr@yahoo.com	oao 11/15/07
VA	Fairfax	George Mason Univ.	Ass'tAssoc. Prof Epi	Doctoral Degree	Lisa Pawloski	*703/993-1908	lpawlosk@gmu.edu	oao 01/01/08
VA	Richmond	Clearpoint Resources	PD Res. Fellow-Epi	Doctorate	Jeff Beadles	804/780-2741	jbeadles@clear-point.com	oao 01/01/08
VA	Richmond	Wellpoint	Staff VP/#24052	Bach/Mast. pref	Sheila Vallombroso	*203/239-8495	Sheila.Vallombroso@wellpoint.com	oao 01/01/08
WA	Seattle	Fred Hutch Cancer Ctr	PD Res Fellow(Nutr & Epi)	PHD/MD w/nutr,epi	Kathe Watanabe	*206/667-4051	kwatanab@fhcrc.org	oao 01/01/08
WA	Seattle	Group Hlth Ctr for Hlth	Postdoc-Women's Hlth	PHD,DrPH,SCD	Cate Coughlin	*206/287-2871	www.centerforhealthstudies.org	oao 11/15/07
•WA	Seattle	Univ. of WA	Res. Scientist (Biostat)	Mas in Biostat	Suey Byrnes	*206/543-3830	sbyrnes@u.washington.edu	oao 10/25/07

EPI Job Bank Foreign Listings

Country	City	Institution	Description	Degree	Contact	Phone/* Fax	Email/Fax	oao/cd
CA	Montreal	McGill University	PD Fellow, Cancer Epi	PHD/MD w/Mas	Dr. Eduardo Franco	*514/398-5002	eduardo.franco@mcgill.ca	oao 11/15/07
CA	Alberta	Alberta Cancer Board	Research Associate	Masters-epi,ph	HR	*403/270-3898	careers@cancerboard.ab.ca	oao 01/01/08
CA	Alberta	Alberta Cancer Board	Research Associate	MSc Epi	Theresa Radwell	*403/270-8003	tradwell@cancerboard.ab.ca	oao 11/15/07
CA	Alberta	Alberta Cancer Board	Statistical Associate	Masters-biostat	HR	*403/270-3898	careers@cancerboard.ab.ca	oao 11/15/07
CA	Fredericton	New Brunswick Cancer	Biostatistician	Masters in Biostat	Amanda Carroll	506/444-2360	www.gnb.ca/0163/employ-e.asp	oao 01/01/08
CA	Fredericton	New Brunswick Cancer	Senior Epidemiologist	PHD in Epi	Amanda Carroll	506/444-2360	www.gnb.ca/0163/employ-e.asp	oao 01/01/08
CA	Montreal	McGill University	Data Analyst/Programmer	Mast/Doc Stat	Rosalba Pupo	*514/843-1551	rosalba.pupo@mcgill.ca	oao 01/01/08
CA	Toronto	Univ of Toronto	Tenure-Stream Epi	PhD or equiv-epi	Jamie Stafford			oao 01/01/08
CA	Toronto	University of Toronto	Epidemiologist Ten-Stream	PhD	Jamie Stafford	*416/978-8299	stafford@utstat.toronto.edu	oao 10/27/07
France	Lyon	IARC	Postdoctoral Fellowship	PhD	Rayjean Hung	*+33472738342	hung@iarc.fr	oao 01/01/08
Saudia	Riyadh	Field Epi Trng Prog	Med Epi	PHD	Nasser Al-Hamdan	+996/1/4939675	nhamdan@fep.edu.sa	oao 11/01/07
Spain	Barcelona	CREAL	Research Position-Biostat	solid biostat bkgnd	Josep-Maria Anto		jmanto@imim.es	oao 11/01/07
Thailand	Bangkok	PATH	Chief of Party	Mas/Doc in epi	Dorothy Culjat	202/285-3500	pathjobs@mail.path.org	oao 01/01/08
Thailand	Nonthaburi	CTS Global	Epidemiologist	MD/DrPH/PHD	Sarah Fuller	*310/643-2682	fuller@comforce.com	oao 01/01/08
UK	London	LSHTM	MSc PHDC	MPH	Vinod Bura	+44 7726472650	vinod.bura@gmail.com	oao 01/01/08

FACULTY POSITION #21299
Assistant or Associate Member, Program in Epidemiology

The Epidemiology Program of the Fred Hutchinson Cancer Research Center's Division of Public Health Sciences is currently recruiting one or more faculty at the Assistant or Associate member level (depending on qualifications), corresponding to Assistant or Associate Professor at the University of Washington, with expertise in cancer epidemiology. Depending upon the applicant's qualifications and interest, a corresponding faculty appointment at the University of Washington's Department of Epidemiology is possible; this may include teaching responsibilities in addition to mentoring graduate students and collaborative research activities.

The Fred Hutchinson Cancer Research Center is a world-renowned NCI-designated comprehensive cancer center with large and active research programs in Public Health Sciences, including Epidemiology, Prevention, Biostatistics and Biomodeling, Molecular Diagnostics and Cancer Biology. Leading programs in three additional scientific divisions (Basic Sciences, Human Biology, and Clinical Research) and a new cross-division initiative (Vaccine and Infectious Disease Institute) complement the Public Health Sciences division activities. The Epidemiology Program conducts research in a variety of areas, including studies examining lifestyle, environmental, and genetic influences on cancer risk, cancer prevention strategies, determinants of cancer prognosis, and methodologic research. The Cancer Surveillance System, a SEER-funded population-based cancer registry serving the Puget Sound area, is a valuable resource for case ascertainment for studies of etiology and prognosis. Collaborations with laboratory and clinical scientists throughout the Center, the University of Washington, and other local research institutions provide a basis for conducting interdisciplinary studies of genetic susceptibility and cancer biomarkers. University of Washington faculty engage in teaching, research and service.

Applicants should have a Ph.D. in epidemiology or related field, an MD with additional research degree, or equivalent training. We are seeking candidates with relevant expertise in multidisciplinary research on cancer etiology, prognosis, and/or methodologic research. The incumbent will be expected to establish an active program of independent and collaborative research consistent with the mission of the Epidemiology Program.

Review of applications is expected to begin March 1, 2008 and will continue until position(s) are filled. **To apply for this position, please send applications including curriculum vitae, a letter describing research interests (and, if relevant, teaching interests), and the contact information for four references to:**

Käthe Watanabe
Human Resources Specialist
Fred Hutchinson Cancer Research Center
Human Resources, J1-105
P.O. Box 19024
Seattle, WA 98109-1024
Email: kwatanab@fhcrc.org
Fax: 206-667-4051
Web site: <http://www.fhcrc.org>

The Fred Hutchinson Cancer Research Center and the Seattle Cancer Care Alliance are equal opportunity employers, committed to workforce diversity.



Executive Director
North American Assoc of
Central Cancer Registries, Inc.

NAACCR is a non-profit professional organization that develops and promotes uniform data standards for cancer registration; aggregates and publishes data from central cancer registries; and promotes the use of cancer surveillance data and systems for cancer control and epidemiologic research. The Executive Director (ED) oversees all technical and administrative operations, which can include budget planning and fund raising, as well as the day-to-day supervision of staff and operations of the NAACCR office in Springfield, IL. A major responsibility is consensus building among organizations. The successful candidate will have experience in epidemiology, management of cancer registry activities, and organization of collaborative biomedical research. Of particular interest are the candidate's achievements within goal-oriented groups and committees. Salary is commensurate with experience. The position requires substantial travel. NAACCR is an equal opportunity employer. Please send a cover letter summarizing your interests and a CV, by email, to:

Susan T. Gershman, PhD, CTR
President, NAACCR
E-mail: susan.gershman@state.ma.us

**ASSISTANT/ASSOCIATE
PROFESSOR**

The Department of Epidemiology and Biostatistics at the Drexel University School of Public Health invites applicants for this new tenure-track faculty position in Epidemiology with rank based on the successful candidate's experience. Candidates should have a doctorate in Epidemiology, a publication record in their field, some experience securing extramural funding, and evidence of effective teaching ability. Areas of particular Departmental interest are: genetic epidemiology, infectious disease epidemiology, neuroepidemiology, nutritional epidemiology, perinatal and pediatric epidemiology, and psychiatric epidemiology. However, applicants whose research is outside these areas are also welcome. The position involves scholarship through externally funded research, teaching and academic advising in the School's MPH and PhD programs. Applicants should send curriculum vitae, list of three references, and a cover letter that includes a description of research and teaching interests to:

Craig J. Newschaffer, Ph.D.
Chair, Department of Epidemiology and Biostatistics
Drexel University School of Public Health
1505 Race Street, MS 660
Philadelphia, PA 19102-1192

Drexel University is an Equal Opportunity/Affirmative
Action Employer.

PENNSTATE



Tenure Track Faculty Positions

The Pennsylvania State University, College of Medicine, Department of Public Health Sciences and the Heart and Vascular Institute, seek two faculty members to help expand research to better understand cardiovascular risk profiles and interventions in central Pennsylvania. A junior level Physician Scientist, Assistant Professor, is being sought to develop a research program in cardiovascular epidemiology. This will be a tenure track position and this individual will have a primary appointment in the Department of Medicine and will perform clinical duties in the Penn State Heart and Vascular Institute. The candidate will also have a joint appointment in the Department of Public Health Sciences. It is anticipated that this person's clinical activity will be centered on non-invasive cardiology and risk factor modification. It is anticipated that this individual's clinical activity will constitute no more than 30% of a full time equivalent.

The second position will be a PhD level Epidemiologist at the rank of Associate Professor (tenure track) with an interest in obesity, metabolic syndrome and cardiovascular disease. This faculty member's primary appointment will be in the Department of Public Health Sciences. The candidate is expected to develop a research program in collaboration with the Penn State Heart and Vascular Institute. The successful candidate will have considerable expertise in funded epidemiological studies and in mentoring junior faculty. Requirements for this position include a doctoral degree in epidemiology or an MD and MPH degree.

Send a CV and contact information for three references to:

Duanping Liao, MD, PhD
Professor, Division of Epidemiology
Department of Public Health Sciences
Penn State College of Medicine
600 Centerview Drive, A210
Hershey, PA 17033

For your health, Hershey Medical Center is a smoke-free campus.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

PENN STATE *Making Life Better*

AMERICAN UNIVERSITY OF BEIRUT

The Faculty of Health Sciences of the American University of Beirut currently seeks for its Department of Epidemiology and Population Health a candidate with a Ph.D. degree in Biostatistics, or a related discipline with strong methodological background. Experience in health research is strongly valued.

This position is available at the ranks of assistant, associate or full professor depending on qualifications. Visiting positions at all levels may be considered.

The Faculty of Health Sciences (FHS) offers MPH and MS degrees and contributes public health courses to the MD program at the Faculty of Medicine. It also offers undergraduate degrees in Health Sciences. The language of instruction is English. For more information please visit <http://fhs.aub.edu.lb>

Interested candidates should submit a complete resume, statement of teaching and research interests and three letters of reference to:

Huda Zurayk, Dean, Faculty of Health Sciences, American University of Beirut,
3 Dag Hammarskjöld Plaza, 8th Floor, New York, NY 10017-2303. Fax in Beirut +961-1-744470. Electronic submissions may be sent to hzurayk@aub.edu.lb

Deadline for receipt of applications is December 31, 2007 for a starting date of September 15, 2008

The American University of Beirut is an Affirmative Action/Equal Opportunity Employer.



National Cancer Institute Position in Social Science and Cancer Statistics

Have an impact on cancer disparities in the 21st Century! The Surveillance Research Program (SRP), Division of Cancer Control and Population Sciences, National Cancer Institute, located within the National Institutes of Health (NIH), Department of Health and Human Services (DHHS) is inviting applications for a quantitative epidemiologist / social scientist with a focus on social correlates of cancer. The SRP's mission is to provide a portrait of cancer in the United States through measurement of incidence, morbidity, prevalence, survival, and mortality. SRP manages the Surveillance, Epidemiology, and End Results (SEER) Program, a comprehensive population-based cancer reporting system used to monitor the cancer burden and follow trends in cancer rates in the United States. The position focuses on utilization of novel measures of health disparities, examination of individual vs ecologic measures of socioeconomic status and/or geospatial analysis.

The successful candidate will have the opportunity to initiate and manage collaborative analyses with scientists from NCI and other institutes, agencies and academic centers. Outstanding resources include access to SEER data and the rich data sets resulting from database linkages to examine factors that influence cancer rates. If you are a talented, knowledgeable and motivated individual with experience in social sciences and statistics and want to play a significant role in a dynamic organization focused on reducing cancer health disparities, consider joining SRP.

Candidates must have a doctoral degree and demonstrate: substantial independent research in the social, psychological, epidemiologic and/or cultural dimensions of health with a focus on disparities; statistical proficiency demonstrated by research publications; prior success in obtaining extramural funding and in interdisciplinary collaborations; and excellence in mentoring or teaching. Salary commensurate with experience. Excellent benefits. Located in Rockville, MD, near Washington, DC. U.S. citizenship or permanent residency is required for federal positions. DHHS and NIH are equal opportunity employers and this position is subject to a background investigation. Please send a cover letter briefly summarizing your experience and interests along with your CV and contact information for three references, preferably by e-mail, to:

Judith Swan, MHS
Surveillance Research Program, DCCPS
6116 Executive Blvd., Suite 504
Bethesda, MD 20892-8315
Phone: (301) 435-4958
Fax: (301) 480-4077
js60y@nih.gov
<http://seer.cancer.gov/>
<http://surveillance.cancer.gov/csb/>



Faculty Position Epidemiology or Public Health Women's Health Research

A tenure-track faculty position is currently available at the assistant professor level in the area of women's or adolescent health at the Center for Interdisciplinary Research in Women's Health at UTMB. Preference will be given to candidates interested in working in a highly collaborative, interdisciplinary environment with a well funded research team. The recruited candidate will be provided with a competitive salary and benefits and will be given a minimum of 75 percent protected time for research. The University of Texas Medical Branch is committed to excellence in research and provides exciting opportunities for collaborative research, support through research centers, and a NIH funded General Clinical Research Center. The successful candidate will be given a faculty appointment in the Department of Obstetrics and Gynecology which is ranked fourth for NIH funding among all Ob/Gyn Departments.

This faculty position will also be required to establish and maintain an independent, externally funded research program. Applicants should have a PhD or equivalent degree in psychology, epidemiology or public health, as well as at least two years, but no more than six, of post-doctoral or equivalent experience and a strong publication record.

Please send electronic curriculum vitae, statement of research interests and goals, and the names of three references to:
Abbey B. Berenson, MD, The University of Texas Medical Branch,
301 University Blvd., 77555-0587, Galveston, Texas, or email:
abberens@utmb.edu.

UTMB is an equal opportunity affirmative action institution that proudly values diversity. Candidates of all backgrounds are encouraged to apply.





Vaccine Researcher Position

Kaiser Permanente Southern California (KPSC) is searching for candidates for an exciting research position for vaccine safety, effectiveness and efficacy research. This is an open-rank position for a doctorally-prepared epidemiologist or pharmacoepidemiologist.

KPSC is a leading managed care organization that provides integrated care for approximately 3.2 million members of diverse race and ethnicity from Southern California. The integrated health care provided to these members is tracked through a paper unit record which is in transition to a system-wide electronic health record. KPSC has excellent administrative information infrastructure that includes the tracking of the administration of all vaccinations as well as all diagnoses and procedures observed or undertaken in all medically attended visits, providing outstanding passive follow-up of important outcomes. This is augmented by detailed pharmacy information.

KPSC is currently conducting a number of vaccine safety studies, and has been recently awarded a multi-year contract to participate in the Vaccine Safety Datalink (VSD) project. In addition, internal infrastructure to conduct vaccine clinical trials is being developed.

This hard-money position will provide a core support package for the successful applicant that can be used to conduct pilot studies that leverage existing infrastructure for an extramurally funded program. This support includes staff for administrative tasks, programming and analytic staff and study assistants as well as modest funding for non-personnel-related costs.

A description of the Department of Research & Evaluation is available on the web (<http://kp.org/research>). It is the home to 12 doctorally prepared investigators and over 70 support staff. The Department is located in Pasadena, a community of 134,000 residents and the home of the California Institute of Technology, the Rose Bowl, the Jet Propulsion Lab, and other historical and cultural sites. Information about the community can be found on-line at www.pasadenacal.com/visitors.htm. Pasadena is in the San Gabriel Valley 15 minutes north of downtown Los Angeles in sunny southern California.

Interested candidates should submit their letter of interest, CV and references to Dr. Steven J. Jacobsen (c/o bianca.p.cheung@kp.org). Principals only.

KPSC is an Equal Opportunity/Affirmative Action Employer and offers competitive salary and comprehensive benefit packages.



Children's Hospital Boston

Associate Director, Clinical Research Program

The Clinical Research Program at Children's Hospital Boston seeks an experienced, highly skilled, and motivated doctoral level individual with knowledge and expertise in clinical research methods and practice. The Associate Director works closely with the Program Director, ensuring successful fulfillment of the Program's mission within the institution.

The Program has 30 faculty and professional staff providing assistance to investigators on the design, conduct, and analysis of clinical research studies and education on research methods and practice. Key responsibilities are day-to-day governance of the Program and supervision of senior management personnel; establishing annual budgetary requirements to provide appropriate resources for Program operations; and ensuring the successful execution of goals.

Requirements for the position are a doctorate in a scientific or medical discipline with relevant education and training in clinical research methods, for example a PhD in epidemiology or psychology or an MD/MPH. Previous administrative experience is required. The successful applicant must have excellent interpersonal skills to promote positive interactions with staff, be able to interact with executive-level professionals, and be committed to fostering a collegial environment.

Interested candidates should submit a CV, statement of interest, and 3 references to Voula Osganian, MD, ScD, Director, Clinical Research Program, Children's Hospital, 300 Longwood Avenue, Boston, MA 02115 or to stavroula.osganian@childrens.harvard.edu.

Children's Hospital Boston is an Equal Opportunity Employer.

SOCIETY FOR PEDIATRIC AND PERINATAL EPIDEMIOLOGIC RESEARCH

SPER

21st Annual Meeting
June 23-24, 2008
(Immediately preceding SER)
Chicago, Illinois

CALL FOR ABSTRACTS

- Deadline: 8:00pm (ET) on February 9, 2008
- All aspects of reproductive, maternal, infant, and child health as well as related methodological issues

STUDENT PRIZE PAPER

- Application deadline: March 7, 2008
- Open to all students (graduate or medical), post-docs, trainees, residents, and fellows

HEINZ BERENDES INTERNATIONAL TRAVEL AWARD

- Application deadline: March 7, 2008
- Open to all persons living outside the US/Canada

For information visit the SPER website: www.sper.org
or contact:

.....
Marcia Feldkamp, Secretary
Email: Marcia.feldkamp@hsc.utah.edu
Phone: (801) 257-0566 ext 203
Address: 2C 402 SOM, 50 North Medical Drive
Division of Medical Genetics
University of Utah Health Sciences Center
Salt Lake City, Utah 84132



Understanding the Mind, Restoring the Spirit

Psychiatric Health Services Researcher

The faculty of the Lindner Center of HOPE is seeking applications from qualified health scientists to develop a vigorous program of psychiatric health services research. The Lindner Center is a new, state-of-the-art, highly innovative, behavioral health facility that will be opening in the summer of 2008 in Cincinnati, Ohio. It is affiliated with Department of Psychiatry at the University of Cincinnati and presents a unique opportunity to work within a community-based setting. The successful candidate will become a member of an interdisciplinary team of clinicians and clinician-scientists who are interested in advancing psychiatric practice. He or she will be responsible for setting and maintaining a leading-edge approach to psychiatric clinical care by identifying best practices and outcome-based treatment approaches through clinical trials and observational studies of new drugs and psychotherapy modalities. The individual will have an academic appointment in the Department of Psychiatry and, as may be appropriate, a joint appointment in the Institute for the Study of Health or the Department of Public Health Sciences. Salary will be commensurate with the individual's qualifications and experience.

Qualified candidates must have completed doctoral training in a field relevant to psychiatric health services research, or be an MD with advanced training in health services research. Highest priority will be given to those candidates with at least 2 years of experience in an academic health center environment and a history of external funding or high potential to successfully attract external funding. Letters of application should include curriculum vitae with a summary of relevant clinical, academic and research experiences, and the names of at least three references.

To learn more about the Lindner Center of HOPE, please see our website at www.lindnercenterofhope.org.

Send applications to: Debbie Strawser
Human Resources Manager
Lindner Center of HOPE
3200 Burnet Ave., 6 Ridgeway
Cincinnati, Ohio 45229
Or email to: debbie.strawser@healthall.com



Epidemiology/Public Health Surveillance Courses

Cosponsored by Emory University Rollins School of Public Health and The Centers for Disease Control & Prevention (Atlanta, Georgia)

Directed by Philip S. Brachman, M.D.

Epidemiology in Action: Intermediate Analytic Methods Course *February 25–29, 2008*

This course includes measures of association, normal and binomial distributions, confounding, statistical tests, stratification, logistic regression, models and computers as used in epidemiology. Prerequisite: Basic Epi course. Tuition: \$675

Epi Info: Developing Public Health Systems Course *March 10-12 and March 13-15, 2008*

This course is for practitioners of epidemiology & computing, who wish to develop software applications using Epi Info for Windows. Tuition: \$375.

Epidemiology in Action *April 21 - May 2, 2008*

This basic epidemiology course is directed at public health professionals and includes discussions of applied epidemiology and biostatistics, public health surveillance, field investigations, Epi-Info training, and selected prevalent diseases. Epidemiologic case studies are worked on in the classroom. Tuition: \$975.

Public Health Surveillance *May 19-23, 2008*

This course is a comprehensive study on public health surveillance and includes discussions of the history and planning considerations, data sources and collection, analysis and interpretation, communication, evaluation, ethical and legal issues, state and local issues, and issues in developing countries as concerns public health surveillance. Tuition: \$625.

Contact person: **Pia Valeriano, MBA, Associate Director**
Phone: 404-727-3485; Email: pvaleri@sph.emory.edu
Website: <http://www.sph.emory.edu/EPICOURSES>



Doctoral Opening



Center for Biostatistics in AIDS Research (CBAR) Harvard School of Public Health, Boston

CBAR is seeking a PhD epidemiologist with proven quantitative skills to collaborate with U.S. and international investigators in basic and clinical research undertaken by the AIDS Clinical Trials Group (ACTG). The ACTG is the largest group conducting Phase I to IV clinical trials and observational studies of treatments for Adult HIV infection and its complications and co-infections.

The successful applicant will be expected to take a leadership role in a wide range of epidemiological activities, notably a major, ongoing, long-term, observational study that currently includes over 4,000 subjects followed for up to 9 years. Other responsibilities include the design and analysis of case-control and cohort studies and related methodological research. She or he will work with our established and productive epidemiology group and with a large group of biostatisticians and programmers in CBAR.

Applicants must have a doctorate in Epidemiology and proven methodological and quantitative skills. Strong oral and written communication skills are essential. Experience with software including SAS and with HIV research are desirable. The position may be at the Research Associate level for a new graduate or in the Research Scientist track for someone with an established research record.

We are an equal opportunity employer.

TO APPLY, SEND COVER LETTER AND CV:
Lorraine Stringer, Manager of Administrative Core
CBAR, Harvard School of Public Health
655 Huntington Avenue, FXB. 524A
Boston, MA 02115
Stringer@sac.harvard.edu
Fax: 617-432-2843



Assistant/Associate/Full Professor of Environmental Epidemiology

The Department of Social and Preventive Medicine in the School of Public Health and Health Professions invites applications for two tenure-track, state-supported positions in environmental epidemiology at the rank of assistant, associate or full professor. Candidates at the associate or full professor rank will be expected to have a solid and current record of extramurally funded research and peer-reviewed publications. Candidates at the assistant professor rank will be evaluated based on their research productivity and potential. We seek applications from highly qualified and motivated individuals who would like to share in the development of an expanding environmental epidemiology program committed to excellence in research and scholarship.

The Department of Social and Preventive Medicine has a long and productive history of research and teaching in chronic disease epidemiology and prevention. As part of the recently formed School of Public Health and Health Professions (SPHHP), the department is in a phase of expansion that will lead to more than doubling of the size of the faculty in the next several years. The University at Buffalo is a research-intensive institution, the largest and most comprehensive of the campuses of the State University of New York, offering more than 300 undergraduate and graduate degree programs. The SPHHP and the other schools of the Academic Health Center (Schools of Medicine and Biomedical Sciences, Dental Medicine, Pharmacy and Nursing), Roswell Park Cancer Institute and The New York Center of Excellence in Bioinformatics and Life Sciences provide a rich environment for collaborative research. For more information see <http://sphhp.buffalo.edu/spm>

Please send letter of application, curriculum vitae, a list of three references and a statement describing research and teaching interests to www.ubjobs.buffalo.edu/ (Posting #0601864). For specific inquiries, please contact: **Dr. Jo Freudenheim, Search Committee Chair, (716) 829-2975 ext. 612, jfreuden@buffalo.edu**

Review of applications will begin immediately; applications will be received until the positions are filled.

The University at Buffalo is an Equal Opportunity/Affirmative Action Employer/Recruiter.



Penn
UNIVERSITY of PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE

Biostatistics

The Division of Biostatistics in the Department of Biostatistics and Epidemiology at the University of Pennsylvania School of Medicine seeks highly qualified applicants for Clinician Educator non-tenure track faculty positions at the Assistant, Associate, or full Professor level. Academic rank will be commensurate with credentials and experience. A doctoral degree in Biostatistics, Statistics, or a related discipline is required. The expected start date is Sept. 2008. Applications are due by Jan. 30, 2008.

Clinician Educator track applicants will typically be focused on collaborative research as co-investigators. Applicants with expertise in health services research, disparities research, psychometrics, collaborative research in clinical epidemiology, psychiatry, HIV/AIDS, cancer, medical imaging, neurodegenerative diseases, cardiovascular medicine, and pharmaco-epidemiology are encouraged to apply. Applicants in other areas of research areas will also be considered. Candidates are expected to have a strong commitment to teaching and must demonstrate outstanding research productivity or promise. Responsibilities include collaborative research as co-investigators and participation in Penn's Center for Clinical Epidemiology and Biostatistics teaching programs.

The Graduate Group in Epidemiology and Biostatistics, jointly with the Dept of Statistics in the Wharton School, offers degree programs leading to both the Doctor of Philosophy (PhD) and Master of Science (MS) in Biostatistics.

The University of Pennsylvania, founded by Benjamin Franklin, is a world-class research institution, located near the heart of Philadelphia. All of Penn's 12 schools are located within walking distance of one another. The Penn Medical School is one of the top ranked medical schools in NIH funding.

The University of Pennsylvania is an affirmative action/equal opportunity employer. Women and minorities are strongly encouraged to apply.

Qualified applicants should send a cover letter indicating the specific position to which they are applying, curriculum vitae, three letters of reference, and a statement of research interests to:

Warren B. Bilker, Ph.D.
Chair, Biostatistics Faculty Recruitment Committee
University of Pennsylvania School of Medicine
601 Blockley Hall ; 423 Guardian Drive
Philadelphia, PA 19104-6021
warren@upenn.edu



Penn
UNIVERSITY of PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE

Biostatistics

The Division of Biostatistics in the Department of Biostatistics and Epidemiology at the University of Pennsylvania School of Medicine seeks highly qualified applicants for tenure track faculty positions at the Assistant, Associate, or full Professor level. Academic rank will be commensurate with credentials and experience. A doctoral degree in Biostatistics, Statistics, or a related discipline is required. The expected start date is July, 2008. Applications are due by March. 1, 2008.

Tenure track applicants should be primarily focused on methodological research, with substantial involvement in collaborative research projects within the School of Medicine. There is a rich mix of ongoing biomedical research projects in the School of Medicine to provide motivation and opportunities for the development of novel statistical methods on wide ranging topics, including, but not limited to, missing data, functional smoothing, cost-benefit analyses, clustered data, causal modeling, genetic/genomic modeling, spatial analyses, Bayesian modeling, data mining, and survey sampling. Applicants in other areas of research will also be considered. Candidates are expected to have a strong commitment to teaching and must demonstrate outstanding research productivity or promise.

The Graduate Group in Epidemiology and Biostatistics, jointly with the Dept of Statistics in the Wharton School, offers degree programs leading to both the Doctor of Philosophy (PhD) and Master of Science (MS) in Biostatistics.

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Warren B. Bilker, Ph.D.
Chair, Biostatistics Faculty Recruitment Committee
University of Pennsylvania School of Medicine
601 Blockley Hall ; 423 Guardian Drive
Philadelphia, PA 19104-6021
warren@upenn.edu



Position Announcement Post-Doctoral Fellow in Cancer Epidemiology

The Division of Cancer Epidemiology at McGill University in Montreal invites applications for a post-doctoral fellowship position in cancer epidemiology. This is a 2- or 3-year academic and research assignment with the potential to lead to a staff epidemiologist appointment at the end of the term.

The successful candidate will assist the Division's research program on human papillomavirus infection and associated cancers, as a member of a multi-disciplinary and collaborative team of researchers. The duties include (i) conducting advanced statistical analyses of data from case-control and cohort studies, and randomized controlled trials of screening and preventive interventions, (ii) writing manuscripts for publication, (iii) taking the lead in conceiving and managing new projects, and (iv) assisting with the mentoring of graduate students and other trainees.

Candidates should have a doctoral degree in epidemiology and/or biostatistics with some experience in cancer research, or alternatively, an MD degree with appropriate training in oncology and a Master's degree in epidemiology. Proficiency with advanced methods of statistical analysis of epidemiologic data using Stata and/or SAS is a required skill.

Canadian in spirit, yet decidedly French at heart, Montreal boasts a cosmopolitan flare that is internationally renowned. Montreal is well known for its quality of life and safe streets, its friendly atmosphere, its gourmet restaurants and sidewalk cafés. In 2007, McGill was ranked 12th internationally by *The Times Higher-QS World University Rankings*.

Salary will be according to the prevailing norms at McGill and its affiliated hospitals. In accordance to immigration law requirements, this announcement is intended first to Canadian citizens or permanent residents.

To apply for the position, candidates should send an unabridged CV and a list of references to Dr. Eduardo Franco, Professor and Director, Division of Cancer Epidemiology, McGill University, 546 Pine Avenue West, Montreal, QC, Canada H2W1S6 (E-mail: eduardo.franco@mcgill.ca).

Molecular/Genetic Cancer or Chronic Disease Epidemiologist Faculty Position

UNIVERSITY OF CALIFORNIA, DAVIS

Full-time academic position at the Associate / Full Professor level (50% FTE-tenured / 50% In Residence) in the Department of Public Health Sciences. Applicants must possess a doctoral degree in epidemiology, public health, medicine or a related field. Research experience in molecular/genetic epidemiology of cancer or chronic disease is required. We particularly welcome applicants with interests in molecular/genetic aspects of cancer or chronic disease. Responsibilities include development of an independent research program and teaching. Send a cover letter, curriculum vitae and the names of five references to Ellen B. Gold, Ph.D., c/o Susan Warren-Alef, University of California, Department of Public Health Sciences, One Shields Avenue, TB 168, Davis, CA 95616-8638. For full consideration, applications must be received by May 1, 2008. However, the position will remain open until filled through December 31, 2008.

The University of California, Davis is an affirmative action/ equal opportunity employer

26TH ANNUAL GRADUATE SUMMER INSTITUTE OF EPIDEMIOLOGY AND BIostatISTICS

Johns Hopkins Bloomberg School of Public Health

JUNE 16 – JULY 4, 2008

2008 Course Offerings*

TWO- AND THREE-WEEK COURSES

Principles of Epidemiology
Observational Epidemiology
Statistical Reasoning in Public Health I
Statistical Reasoning in Public Health II

ONE-WEEK COURSES

History of Epidemiologic Methods and Concepts
Applications of the Case-Control Method
Methods and Applications of Cohort Studies
Conducting Epidemiological Research
Perspectives on Management of
Epidemiologic Studies
Design and Analysis of Clinical Trials
Clinical Trials: Issues and Controversies
Pharmacoepidemiology

Introduction to the SAS Statistical Package
Data Analysis Workshop I
Data Analysis Workshop II
Advanced Data Analysis Workshop III
Survival Analysis
Biostatistics Analysis of Epidemiologic Data I:
Logistic Regression
Biostatistics Analysis of Epidemiologic Data II:
Poisson and Conditional Logistic Regression
Analysis
Biostatistics Analysis of Epidemiologic Data III:
Semiparametric Methods

Family-Based Genetic Epidemiology
Molecular Biology for Genetic Epidemiology
Genetic Epidemiology in Populations
Gene Expression Data Analysis
Infectious Disease Epidemiology
Public Health Dimensions of Global
Tuberculosis Control
Epidemiology of HIV/AIDS
Advanced Issues in the Epidemiology of HIV/AIDS
Social Epidemiology
Multilevel Models
Epidemiologic Applications of GIS
GPS and Spatial Data Collection for
Epidemiologic Studies
Quantifying Epidemiological Relationships
Using Spatial Analysis
Nutritional Epidemiology
Topics in Advanced Nutritional Epidemiology
Introduction to Diabetes and Obesity Epidemiology
Advanced Methods in Global Tobacco Control
Tobacco Control Leadership
Epidemiology in Evidence-Based Policy
Epidemiologic Methods for Planning and
Evaluating Health Services
Ethics Issues of Human Subjects Research
in Developing Countries

ONE-DAY WORKSHOPS

Critical Reading of Epidemiologic Literature
Methods for Clinical and Translational
Research
Genetic Epidemiology and Genome Wide
Association Studies

DIRECTOR

Moyses Szklo, MD, DrPH, MPH

LOCATION

Johns Hopkins Bloomberg
School of Public Health
Baltimore, Maryland

CONTACT INFORMATION

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www.jhsph.edu/summerepi



JOHNS HOPKINS
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*Course offerings and faculty are subject to change. Proficiency in English is required.

**Department of Health and Human Services
Food and Drug Administration/Center for Biologics Evaluation & Research
Office of Biostatistics and Epidemiology**

Opening Date: December 26, 2007

Closing Date: February 29, 2007

Post-Doctoral Fellowship (ORISE)

The Department of Health & Human Services, Food & Drug Administration, Center for Biologics Evaluation and Research (CBER) is soliciting applications for a **Post-Doctoral Fellowship (ORISE) (RISK ASSESSMENT FELLOWSHIP)** position. CBER is responsible for the safety and efficacy of biologic products including vaccines, blood products, and cellular, tissue and gene therapies that have a major impact on public health. The CBER Risk Assessment Fellow will collaborate with risk assessment experts, biostatisticians and other CBER scientists to develop models that measure exposure of individuals to potential hazards from biologic products, develop dose-response curves for infectious agents, and develop new approaches in characterizing public health risk. The successful candidate may conduct literature reviews, data analysis/simulation, research, and develop models. Applicants who have received a graduate degree in biostatistics/bioinformatics, biology, epidemiology, public health, mathematics, bio-medical engineering, life sciences or related fields with a background in computation/simulation skills are encouraged to apply. Experience with statistical software and programming languages is desired. Excellent written and oral communication skills are desired.

Qualifications:

Applicants should have received their M.S. or Ph.D. degree within five years of the desired start date or expect to complete all degree requirements prior to the desired start date. Eligible individuals will be U.S. citizens or permanent residents with graduate degrees. However, non-citizens with appropriate visa status may be eligible.

Salary Range:

Depending on your qualifications and experience the salary range starts at \$50,000.00.

How to Apply:

Submit resume or curriculum vitae with cover letter to:

Food and Drug Administration, CBER/Office of Biostatistics and Epidemiology
Attn: Dr. Mark Walderhaug, Office of Biostatistics and Epidemiology/Associate Director for Risk Assessment, 1401 Rockville Pike, HFM-219, Rockville, MD 20852 or email to Mark.Walderhaug@fda.hhs.gov

or fax to 301-827-3529. If you have any questions please call 301-827-6028.

For further information please visit our website at <http://www.fda.gov/cber/inside/vacancy.htm>

DEPARTMENT OF HEALTH AND HUMAN SERVICES IS AN EQUAL OPPORTUNITY
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Director of Cancer Prevention

The Cancer Research and Treatment Center (CRTC) and the Department of Internal Medicine (Division of Epidemiology and Biostatistics) at the University of New Mexico School of Medicine invite applications for a faculty position (open rank, tenure track) to serve as Director of Cancer Prevention at the UNM Health Sciences Center. The successful applicant will be expected to: direct, develop, and expand academic and community-based cancer prevention and control and expand peer-reviewed funding for cancer prevention and control programs. An attractive salary and start up package are available

Minimum Qualifications:

- PhD, MD, DrPH or equivalent degree
- Experience in cancer prevention and control and/or community interventions and evaluation.

Candidate must be eligible to work in US. For best consideration, applications must be received by April 30, 2008; however, the position will remain open until filled. For additional information, please log on to: <http://hsc.unm.edu/medicine/jobs/jobmain.cfm> or e-mail Marianne Berwick, Chief, Division of Epidemiology and Biostatistics at mberwick@salud.unm.edu. Send signed letter of interest, CV and the names of three references to: Pope L. Moseley, MD, Professor & Chair, Internal Medicine, c/o Academic Affairs, MSC 10 5550, 1 University of New Mexico, Albuquerque, NM 87131-0001. EEO/AA

Cancer Epidemiologist

The Department of Internal Medicine, Division of Epidemiology and Biostatistics and the University of New Mexico Cancer Center at the University of New Mexico School of Medicine jointly invite applications for a faculty position (open rank, tenure track) in cancer epidemiology, with an emphasis in genetic and/or molecular epidemiology. The successful applicant will be expected to establish an active program of funded population-based research focused on the patterns of cancer in New Mexico's multi-ethnic populations and to join a growing team of epidemiologists and population health scientists in the institution. Minimum requirements include a Ph.D. in epidemiology, and/or an M.D. with additional research degree, or equivalent training, with experience or training in population-based cancer epidemiology. Must be eligible to work in the US. Preference will be given to individuals with a molecular epidemiology background and experience with human genetic studies. For best consideration, applications must be received by March 30, 2008; however, the position will remain open until filled. For additional information, please log on to: <http://hsc.unm.edu/medicine/jobs/jobmain.cfm> or email Marianne Berwick, Ph.D., Chief, Division of Epidemiology and Biostatistics at mberwick@salud.unm.edu. Send signed letter of interest, CV and the names of three references to : Pope L. Moseley, MD, Professor & Chair, Internal Medicine, c/o Academic Affairs MSC 10 5550, 1 University of New Mexico, Albuquerque, NM 87131 EEO/AA

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