University Center for
Social and Urban Research

40 YEARS
Enhancing Lives and
Transforming Communities

annual report
July 1, 2011–June 30, 2012

UCSUR
University Center for Social and Urban Research

Annual Report

july 1, 2011–june 30, 2012

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Who We Are

University Center for Social and Urban Research

The University Center for Social and Urban Research (UCSUR) was established in 1972 to serve as a resource for researchers and educators interested in the basic and applied social and behavioral sciences. As a hub for interdisciplinary research and collaboration, UCSUR promotes a research agenda focused on the social, economic, and health issues most relevant to our society. UCSUR maintains a permanent research infrastructure available to faculty and the community with the capacity to:

1. Conduct all types of survey research, including complex web surveys;

2. Carry out regional econometric modeling;

3. Analyze qualitative data using state-of-the-art computer methods;

4. Obtain, format, and analyze spatial data;

5. Acquire, manage, and analyze large secondary and administrative data sets including Census data;

6. Design and carry out descriptive, evaluation, and intervention studies; and

7. Provide information technology services for the collection, management, and analysis of sensitive research data to assure the highest levels of security and privacy.

The long-term goals of UCSUR fall into three broad domains:

1. Provide state-of-the-art research and support services for investigators interested in interdisciplinary research in the behavioral, social, and clinical sciences;

2. Develop nationally recognized research programs within the center in a few selected areas; and

3. Support the teaching mission of the University through graduate student, postdoctoral, and junior faculty mentoring, teaching courses on research methods in the social sciences, and providing research internships to undergraduate and graduate students.

Achieving these goals requires that we continually upgrade and improve the research infrastructure of the center, and that we recruit, develop, and maintain a core staff of investigators capable of being leaders in their fields.

Message from the Director

Richard Schulz

The publication of this Annual Report for 2012 marks the 40th anniversary of the University Center for Social and Urban Research (UCSUR). It seems appropriate to pause for a moment and briefly reflect upon some of the people and events that have had a strong influence in shaping the organization as it exists today.

The center was established in 1972 as the University Center for Urban Research (UCUR) with a mandate to "bring together, in an organized and integrated fashion, the many research activities and some of the service activities of the University of Pittsburgh which focus on urban phenomenon." Drs. Brian Vargus and Clyde McDaniel served as founding codirectors.

In 1973, Dr. Jiri Nehnevajsa assumed the role of director, expanding the programmatic areas of research within the center and establishing the foundation for the development of the survey research program. In 1978, Dr. Vijai Singh accepted an appointment as director of UCUR. Through a series of discussions with a great many members of the faculty, it became clear that the University needed a high quality, multidisciplinary social science research facility with a strong quantitative methodological orientation. This organization was to assist the University in fulfilling its urban mission by undertaking social and policy-oriented research and providing technical assistance to local governments and community organizations. Thus, in November 1978, with the approval of the Program Policy Committee, the chancellor, and the provost, the center was renamed the University Center for Social and Urban Research (UCSUR), and its mission was expanded.

I was recruited to the University of Pittsburgh in 1984 to serve as director of gerontology, a University-wide position with the goal of developing research on aging throughout the University. With appointments in the Department of Psychiatry and UCSUR, I had the privilege of helping to build a research capacity in aging that is second to none among U.S. universities. Having UCSUR as a home base for these initiatives was a key factor in achieving these successes. My commitment to the mission and goals of the center have grown over the years as my administrative responsibilities increased when I became associate director of the center in 1988 and director in 1999.

The center has undergone many changes over the last 40 years. It now occupies its seventh different campus location, as we continue to expand. Over the years, countless faculty from different disciplines have participated in UCSUR's research programs. While certain research areas, such as urban and regional analysis, have been a part of the center since its inception, the center continues to expand into new areas of inquiry reflecting the research interests of the faculty. Over the years, programs have included Risk and Emergency Management, Environmental Policy Studies, Generations Together, Office of Child Development, Gerontology, Survey Research, and more recently GIS and Visual Analytics, and Qualitative Data Analysis. A major achievement of the last decade has been to put in place a permanent research infrastructure with the capacity to conduct all types of survey research; carry out regional econometric modeling; obtain, format, and analyze spatial data; acquire, manage, and analyze large secondary data sets; and carry out computer qualitative analysis. These services are used by faculty from every school of the University and provide a platform for training graduate students and postdoctoral fellows, and mentoring junior faculty and serving the community.

The center continues to aggressively pursue other opportunities to enhance its research infrastructure, broaden the range of support services available to faculty and the community, expand the participation of faculty and graduate students in center research programs, and strengthen University-community collaborations. The center serves as the interdisciplinary crossroads for schools throughout the University and has become a major resource in mentoring and supporting the research careers of junior faculty and postdoctoral students.

I am particularly proud of the academic productivity of the center. Staff of the center have been involved in hundreds of externally funded research projects and peer-reviewed publications, have published more than a dozen books, and have received major national awards for their achievements.

To all the faculty, staff, and students who make this center a vital part of the University community, I express my deepest and sincerest thanks.

Programs

In response to faculty interests and current domestic policy issues, UCSUR develops interdisciplinary research programs that address regional and national policy issues. The resources described in the previous section are provided by one or more of these programs. As new policy issues emerge, UCSUR is prepared to facilitate and coordinate the development of additional programs identified by interested faculty. Existing research programs include:

Survey Research Program (SRP)

Program Director
Scott Beach

Maintains a highly experienced staff of survey professionals, trained interviewers, and data management specialists. Services are available to faculty, staff, and students throughout the University and to local, state, and federal agencies and others working in the public interest. Offers the capability to execute any or all phases of a survey research project, including sample design, questionnaire construction, data collection, data processing, statistical analysis, and reporting.

Urban and Regional Analysis (URA)

Program Director
Sabina Deitrick

Associate Program Director
Ralph Bangs

Promotes scholarly analysis of urban and regional issues through multidisciplinary research in local, national, and international issues. Furthers our understanding of the causes and consequences of regional economic development and social change, enhances the analytic basis for public policy decisions, and aids in the evaluation of policy alternatives.

Gerontology

Program Director
Richard Schulz

Associate Program Director
Judith Matthews

Initiates, coordinates, and facilitates research on aging. In collaboration with faculty in more than a dozen different disciplines (e.g., psychiatry, anesthesiology, rheumatology, nursing, epidemiology, engineering, computer science), program faculty and staff play an active role in developing proposals for research focused on psychosocial, behavioral, cognitive, and physical aspects of aging.

Qualitative Data Analysis Program (QDAP)

Program Director
Donald Musa

Offers a rigorous approach to qualitative data collection and analysis including focus group facilitation; interviewing; analysis of textual or Web site information; audio and video transcription and analysis; data preparation, cleaning, and management; codebook development and testing, coding and multi-coder adjudication; reliability and validity reporting; and results analysis and expression.

Geographical Information Systems and Visual Analytics Program

Program Director
Ken Sochats

Provides analytical services relating to mapping and visual display. Program staff has expertise in creating sophisticated maps and the analysis and mining of extremely large databases. The staff has expertise in applying these techniques to a wide variety of disciplines including education, medicine and health, crime, and emergency management.

Projects conducted in these areas illustrate the center's commitment to enhancing scientific understanding of social phenomena while generating information for improved policymaking in both the public and private sectors.

What We Do: Center Resources

Survey Research Services

UCSUR provides survey research services through the Survey Research Program (SRP). SRP maintains a highly experienced staff of survey professionals, trained interviewers, and data management specialists. SRP services are available to faculty, staff, and students throughout the University and to local, state, and federal agencies and others working in the public interest.

SRP is able to carry out any or all phases of a survey research project, including sample design, questionnaire design, data collection, data processing, statistical analysis, and reporting. SRP staff have the training and experience to design scientifically valid studies customized to client research needs. SRP can help clarify study objectives and provide advice on how to obtain the highest quality data within available resource constraints. More specifically, SRP provides assistance in the following areas:

Sample Design

SRP staff provide advice on sampling methodology and sample size to meet study objectives and budget. Services include in-house development of specialized sample frames, or consultation with commercial sampling firms to obtain an appropriate sample. Examples of the types of samples provided include:

- **Random digit dialing (RDD) samples**: particularly suited for telephone surveys of the general population, computer-generated telephone numbers are used to target specific geographic areas, including both listed and unlisted phone numbers. RDD sampling for any region of the United States is available.

- **Targeted/listed samples**: samples to reach specific subgroups or rare populations. These are useful for telephone recruitment of participants for larger studies. They are also used for supplementing RDD samples with oversamples of rare populations.

Data Collection Methodology

SRP staff can provide:

- Advice on the most productive and cost-effective method of data collection (mail, telephone, in-person, or internet/Web-based), and the effective use of technology for surveys.

- Specification of procedures for maximizing response rates within the framework of available resources. For example, recommended number of attempts to contact respondents, securing initial cooperation, following-up incomplete interviews, converting refusals into acceptances, and use of mixed-mode designs.

Questionnaire Development

SRP staff can provide assistance with all aspects of the development of a reliable and valid instrument, including:

- Writing, formatting, and ordering questions

- Asking sensitive questions

- Instrument pre-testing

Interviewing and Data Collection

SRP conducts local, regional, and national telephone and mail surveys with both general and special populations, as well as in-person surveys in the Southwestern Pennsylvania region. SRP also conducts internet/Web-based surveys.

SRP relies on a pool of experienced interviewers for telephone and in-person surveys. These include both undergraduate and graduate students, as well as non-students under the management of senior field work supervisors.

Interviewer training and quality control: Interviewers are trained in general and project-specific interviewing techniques, such as maintaining objectivity, reading questions as written, and securing respondent cooperation. Training involves a combination of lecture, written hand-outs, video instruction, and role-playing. Interviewers are continuously monitored during data collection for quality assurance, and periodic retraining sessions occur as necessary.

Computer-assisted telephone interviewing (CATI): A 45 line phone bank at UCSUR is dedicated to a computer-assisted telephone interviewing (CATI) system. Interviewers read questions as they appear on the screen and enter the respondents' answers directly into the computer. CATI allows complex question contingencies, sample management, and call scheduling to be handled automatically.

RDD cell phone surveys: UCSUR has experience conducting random digit dialing (RDD) cell phone surveys in order to supplement traditional landline RDD telephone surveys. This methodology insures inclusion of cell-phone only households, estimated at 25 percent

of the U.S. population (and growing). Cell-phone only households are typically younger, more likely to be employed, and more ethnically diverse, and their exclusion can result in significant biases in landline-only surveys.

Computer-assisted personal interviewing (CAPI): With this type of interview an interviewer, using a laptop computer, reads questions to the respondent and then enters the answers directly into a database on the laptop computer. CAPI is programmed similar to computer-assisted telephone interviewing (CATI), and provides the same advantages (automated skips, randomized experiments, etc.).

Audio computer-assisted self interviewing (Audio CASI, ACASI): With this application a respondent operates a computer, the computer displays the questions on screen and plays recordings of the questions to the respondent who enters answers directly into a database on the computer. A respondent typically uses headphones with our Audio CASI solutions in order to maintain response privacy. ACASI enhances perceived privacy for sensitive questions and is ideal for less literate populations. ACASI is similar to CATI, CAPI, and CASI in programming requirements and function.

Interactive voice response (IVR): IVR is an automated system where a recorded voice administers survey questions/scripts and detects voice and keypad inputs from a home phone or cell phone. Privacy is enhanced by switching to IVR from a live interviewer for the administration of sensitive questions. IVR is also ideal for ecological momentary assessment.

Web-based data collection: SRP has the capability to conduct Web-based surveys and other online data collection and management. UCSUR operates secure servers that host such activities.

Additional data collection services: Telephone surveys using paper/pencil methodology, mail surveys, and in-person surveys in the Southwestern Pennsylvania region are also available.

Surveys of special and hard-to-reach populations

UCSUR has conducted numerous surveys of special, hard-to-reach populations, including numerous clinical populations, children, and ethnically and linguistically diverse samples. UCSUR has conducted interviews in Spanish, Chinese, and Korean and has the capability to conduct international surveys.

Data Management

Using a variety of computer programs, languages, database management software, and operating systems, SRP staff are available to perform a number of data management functions, including data base development, editing, coding, and survey data processing. SRP staff also have the capability to integrate survey respondent data with GIS-based spatial data, and with other secondary data sources.

Statistical Analysis of Survey Data

SRP staff can perform statistical analyses of survey data, ranging from simple tabulations to relatively complex statistical modeling using a variety of statistical packages. Analytic capabilities include:

- Descriptive statistical analyses of survey responses, including calculations of sampling error, and statistical adjustments for unequal selection probabilities and non-response.

- Cross-classification analyses with demographic or other predictive factors.

- Multivariate analyses, including ANOVA, factor analysis, linear and non-linear regression, logistic regression, categorical methods, and structural equation modeling.

- Longitudinal analyses.

Report Preparation and Presentation

SRP staff have experience in the production of a variety of reports, including:

- Simple tabulations

- Executive summaries

- In-depth narrative reports

- Oral presentations of results to interested parties

Urban and Regional Analysis Services

UCSUR's Urban and Regional Analysis Program (URA) analyzes major economic and demographic trends in the Pittsburgh region in national and international contexts. URA brings together faculty, research staff, and graduate students to examine important urban and regional issues, with the results disseminated widely to state and regional policymakers, local officials, and community and economic development organizations. URA also partners with other researchers and organizations across the globe to advance urban and regional knowledge. URA's research extends from regional development to community change and examines their consequences for regional restructuring, equity implications, and policy analysis. In addition to the performance of the regional economy, specific strategic economic sectors are examined through in-depth studies and their implications for workforce development and job creation. The program also fosters the development of new methods of data collection and analysis. URA research is published in scholarly journals and technical reports and has been an important element of UCSUR's commitment to providing regional economic development analysis to both the academic community and the Pittsburgh region. Through URA's work, UCSUR is one of two research affiliates of the Pennsylvania State Data Center, the official source of demographic and economic data for the state. UCSUR maintains a repository for electronic and printed Census data and publications. For the latest urban and regional developments, visit The Pittsburgh Urban Blog (The PUB) at www.ucsur.pitt.edu/thepub.php.

The Pittsburgh Regional Economic Model

The Pittsburgh Regional Economic model is a large-scale regional econometric model developed by Regional Economic Models Inc. (REMI) and supported by UCSUR in partnership with the Southwestern Pennsylvania Commission. The REMI model provides a powerful framework for economic analysis related to structural change in the Pittsburgh region and complements a variety of activities undertaken by the center. The center continues to maintain this model and provide support to local agencies as needed as part of the need for quality regional economic forecasting and impact analysis in the region.

UCSUR staff calibrates the Pittsburgh REMI model based on local conditions and our 12 years of experience applying the model to the Pittsburgh region. This capability to forecast future regional economic conditions and conduct detailed impact analysis of potential changes in the regional economy is unique in the region.

The model includes the seven county Metropolitan Statistical Area (Allegheny, Armstrong, Beaver, Butler, Fayette, Washington, and Westmoreland) plus Greene and Indiana counties. This model enables us to analyze economic and demographic impacts across the SWPA region. Recently, the REMI model was used for projects for the University of Pittsburgh Cancer Institute, Allegheny Places - The Allegheny County Comprehensive Plan, and the Taxpayer Return on Investment in Pennsylvania Public Libraries Study.

Support of the Southwestern Planning Commission (SPC)

UCSUR continues to support the Southwestern Planning Commission (SPC) in developing its forecast of regional population and employment for the region for SPC's long range planning. This is a primary function of the REMI model, which is essential to regional planning because of its extensive demographic modeling capabilities. UCSUR staff provides both technical and research consulting to SPC through the use of the REMI model and its applications to produce an accurate forecast for the region. SPC uses these baseline forecasts from the REMI model to evaluate a range of long term transportation projects for the region and decide on funding priorities. SPC is also required by federal mandate to provide 30-year projections of population and employment to the U.S. Department of Transportation as part of their planning process.

Pittsburgh Economic Quarterly

UCSUR publishes the *Pittsburgh Economic Quarterly (PEQ)* to support organizations and staff involved with economic development throughout the region. *PEQ* highlights important economic and demographic trends that impact the regional economy and the competitiveness of the regional economy. *PEQ* is an extension of the continuing work done at UCSUR. Each issue includes the latest data on regional employment and economic conditions. Feature articles cover a variety of issues relating to the regional economy and how it is changing, along with analyses of other economic and social factors that directly impact the future of the region. Significant positive response to *PEQ* has resulted in substantial press coverage and has filled a major need in the region for ongoing study of current economic trends. Recent issues of *PEQ* addressed these key topics:

- Characteristics of the Unemployed in Pittsburgh in 2012
- Profile of the Foreign-Born Population in the Pittsburgh Region
- Migration and Employment in the Pittsburgh Region
- Brownfield, Greenfield: Remediation and Redevelopment at Nine Mile Run
- Projecting the Impact of Demographic Change in Pittsburgh's Labor Force
- Who Moves to Lawrenceville and Why?
- Foreclosure, Vacancy and Crime
- Transit and Commuting Patterns in Southwestern Pennsylvania
- Demographic Features of Neighborhood Change in Pittsburgh
- Keep Pennsylvania Beautiful – Illegal Dump Survey Program Results
- Foreclosures in Pittsburgh's Hilltop Neighborhoods

Pittsburgh Neighborhood and Community Information System (PNCIS)

The Pittsburgh Neighborhood and Community Information System (PNCIS) is a property-based information system that has collected, curated, and shared over one hundred indicators from more than twenty data sets vital to community planning and revitalization efforts in Allegheny County and the City of Pittsburgh. Data available through the PNCIS include land use, vacancy, property ownership, crime, foreclosure, tax delinquency, and real estate sales. The data are made available to over 800 trained users representing 200 different organizations through the PNCIS Web site. Training is also provided in-class to students at local universities, many of whom have continued to use PNCIS in their careers. PNCIS promotes and assists in neighborhood development and revitalization through research and analysis to reduce blight,

promote neighborhood investment, and improve communities. UCSUR operates PNCIS in agreement with the Pittsburgh Partnership for Neighborhood Development (PPND) and the City of Pittsburgh. PNCIS is also a partner in the National Neighborhood Indicators Partnership, a consortium of over 35 local partners across the USA, based at the Urban Institute in Washington, D.C.

Pittsburgh Indicators Project: PittsburghTODAY.org

PittsburghTODAY.org is an in-depth journalism and regional indicators program that compares Greater Pittsburgh with 14 other regions in hundreds of measures. The statistical indicators provide reliable and timely information that shows this region's strengths and weaknesses and how it compares with other regions. Additionally, PittsburghTODAY.org undertakes in-depth journalistic projects in subjects that are important to the region's future.

In 2012, projects included the Pittsburgh Regional Quality of Life Survey, the most detailed survey of life in the region that has been performed in decades. Along with our UCSUR colleagues, we surveyed more than 1,800 residents of the 32-county "Power of 32" region to determine residents' attitudes and behaviors. We have also produced several major journalistic reports and series in 2012 on immigrants in Pittsburgh, entrepreneurial Pittsburgh, the Marcellus Shale, and young adults in the region.

Gerontology Services

Gerontology Research Registry

The Gerontology Program at the University of Pittsburgh has been conducting federally-funded research on critical issues related to health, aging, and family caregiving for the past 20 years. Much of what is known about living with different illnesses has resulted from medical and psychological research such as that conducted in our program. This program is recognized as one of the leading social gerontology

research programs in the nation.

As part of our mission, we have created the Gerontology Program Research Registry, made up of individuals who are willing to be contacted for participation in future research studies on various issues.

Graduate Certificate in Gerontology

This program is designed to serve individuals from diverse educational, employment, and professional backgrounds who are interested in acquiring basic knowledge about gerontology and geriatrics and specialized knowledge of aging and aging processes. Students may focus broadly on a course of study in a general multidisciplinary track, or they may select a track focused on prevention and healthy aging. They may instead choose to concentrate in areas of specialization including dentistry, gerontechnology, law, mental health, nursing, occupational therapy/rehabilitation, public health, and social work.

Whether to gain credentials and skills for a competitive advantage in the marketplace or to enhance understanding of aging to inform the delivery of services, programs, or products, students may solely enroll in this certificate program or they may pursue the certificate in conjunction with a degree program. Credits earned for the certificate may often be applied toward a degree program.

The general multidisciplinary track is also available through Pitt Online (visit www.online.pitt.edu), and more information about this Graduate Certificate in Gerontology can be found at: www.ucsur.pitt.edu/gerontology_certificate.php.

Technology and Aging

Several projects within the Gerontology Program are examining the utility and acceptability of emerging technologies intended to enable older adults to live as independently as possible and to support family caregivers. With input from potential end-users and other stakeholders, social scientists and health professionals are partnering with technology

developers to ensure the usability of intelligent systems and devices for these target populations. This effort is supported by the Quality of Life Technology Center, an engineering research center funded by the National Science Foundation which involves multidisciplinary collaboration among a cadre of researchers from the University of Pittsburgh and Carnegie Mellon University.

In addition to privacy concerns and policy issues related to collection of personal data and technology adoption, our team investigates how target users interact with novel hardware and software for monitoring safety, health, and functional status as a basis for intervention. Technologies being studied include a multi-user health kiosk for community-residing older adults with limited access to personal computers for health monitoring and information, computer vision technology that enables in-home assessment of functional capabilities and caregiving quality, and a virtual coaching system to promote adherence to recommended health behaviors.

Qualitative Data Analysis Services

The Qualitative Data Analysis Program (QDAP) at UCSUR provides a resource to the University community in all aspects of qualitative data collection and analysis. Experienced QDAP staff can carry out or assist with all phases of a qualitative research project including study design; project management and coordination; data collection utilizing interviews; focus groups; and document or Web site analysis; audio and video transcription; data coding and analysis; and results reporting.

Data Collection and Management

QDAP staff has the expertise to collect and manage a range of qualitative data utilizing a variety of methods and sources. This includes conducting in-depth interviews, facilitating focus groups, and collecting qualitative data

from both traditional and innovative sources such as document and textual material, videos, images and other visual material, and Web sources such as Web sites, blogs, and e-mails. QDAP provides high quality transcription of audio and video recordings for further analysis. QDAP staff can provide management services ranging from full project management to assistance in the management of data collection including recruitment, screening, and scheduling of participants, depending on project needs. Using qualitative data analysis and management software, QDAP staff can also organize and manage qualitative data in preparation for analysis.

Value-Added Coding

Accurate and reliable coding is central to qualitative and mixed methods analysis. QDAP offers a rigorous approach to analyzing a variety of qualitative materials. Experienced coders deliver the data you need in a timely and expert manner from a wide variety of sources. Original material for analysis might include in-depth interviews, open-ended survey answers, field notes, transcripts from focus groups, Web blogs, e-mails, Web site content, videos and images, results from database searches (such as LexisNexis™), congressional testimony, historical texts, and a host of other unstructured but digitized data sets. QDAP staff works with your research team to craft an analysis plan and codebook with a tailored methodology designed to code the material for key concepts and relationships. Multiple coders can quickly and reliably extract the data you need to reach valid inferences.

QDAP employs University of Pittsburgh students and UCSUR professional staff trained in data collection and in using qualitative analysis software. We maintain a 15-station transcription and qualitative data coding lab which utilizes Olympus transcription software; ATLAS.ti, a widely used qualitative data analysis software package that supports project management, enables multiple coders to collaborate on a single project, and generates output that facilitates the analysis process; Transana, a video coding software package; and a specialized, in-house program for quality control which calculates inter-coder reliability statistics and simplifies adjudication of coder disagreement. On the QDAP Web site, we support the Coding Analysis Toolkit (CAT), a Web-based suite of tools which facilitates post-coding analysis of qualitative data. In addition, we offer training seminars and one-on-one training sessions for faculty, staff, and students in using ATLAS.ti, Transana, and other qualitative data analysis software.
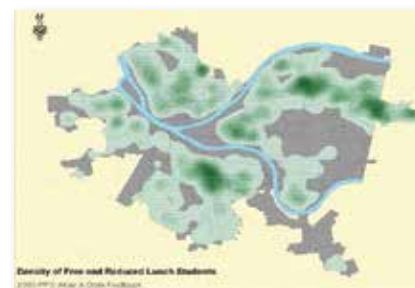
Services Provided

- Study design, management, and coordination
- Interviewer training and management
- Participant recruitment
- Data collection including focus group facilitation, in-depth interviewing, and document analysis
- Transcription of audio and video recordings
- Data preparation, cleaning, and management
- Codebook development and testing
- Coding and coding adjudication
- Coder reliability and validity reporting
- Results analysis and expression
- Software training for qualitative data analysis software (ATLAS.ti, Transana, Coding Analysis Toolkit)

Geographical Information Systems and Visual Analytics Services

Geographic Information Services

A Geographic Information System (GIS) is an information system designed to work with data referenced by spatial or geographic coordinates. GIS technology has proven to be invaluable in many areas of application, including municipal and federal government operations, health care, business management, and the social and natural sciences. It is a complex technology with many subtle nuances that requires considerable training, tools, and experience to fully exploit.

Sample analytic map showing where impoverished students reside.

Visual Analytics

Visual Analytics (VA) is the use of graphical, image, and other pictographic techniques to display and navigate large sets of data for the purpose of discovering relationships among the data. Analysts are quickly overwhelmed by large listings or tables of data. Through visualization techniques, millions of data points can be summarized in displays such as dashboards, maps, and diagrams. Color, size, position, orientation, and other features are used to represent characteristics of the data. Specialized tools have been developed to highlight relationships and changes in relationships. Anomalies are easily detectable. Real time and varying data can be shown by animation.

Services Provided

- GIS needs analysis
- GIS system design and implementation
- Custom GIS programming
- Digital spatial database design, development, and maintenance
- Network analysis
- Global positioning systems
- Web-based systems
- Spatial and simulation modeling
- Integration of artificial intelligence techniques

- Consulting
- Training
- Education
- Satellite and aerial imagery
- System integration
- Real time GIS

Experience

UCSUR has decades of experience in applying GIS technology to many situations. Our efforts have consistently withstood the test of time and post-project scrutiny. Refer to Web site for specific examples: www.ucsur.pitt.edu.

Acquisition and Management of Secondary Data

UCSUR provides assistance for secondary data acquisition and management to the academic community and to the Pittsburgh region as a whole. As an affiliate of the Pennsylvania State Data Center, the official source of demographic and economic data for the state, UCSUR is a repository for electronic and printed Census information, including Census 2010 data. UCSUR also acquires and maintains a variety of government statistics, economic and labor market data, and other types of secondary information on a regular basis. This information is available to the academic community and to the general public.

The data acquisition and management services UCSUR provides include:

- Assistance in acquiring secondary data stored at UCSUR to interested individuals and organizations.
- Assistance in locating and acquiring a variety of other types of secondary information.
- Expertise and consultation in the appropriate use and understanding of various secondary data sources.
- Evaluation and interpretation of policy relevant secondary information data

for government, business, labor, media, and other organizations.

UCSUR also conducts demographic, economic, and policy research and analysis and reports on secondary data and data trends relevant to the Pittsburgh region, both alone and in combination with various primary data sources. This research is reported through a number of venues, including research reports and newsletters, such as the *Pittsburgh Economic Quarterly*, and up-to-date neighborhood information on the UCSUR Web site (www.ucsur.pitt.edu)

Information Technology Infrastructure

In 2009 UCSUR invested over $200,000 in its information technology (IT) infrastructure. UCSUR provides a robust data management system that focuses on security and data integrity for the programs housed at UCSUR.

Utilizing the latest technology, UCSUR provides its staff and researchers the tools needed to stay on the cutting-edge. The information technology systems deployed are redundant and reliable. The technology that UCSUR uses to support its mission is enterprise level software. UCSUR uses the latest techniques in data storage, virtualization, and remote access, enabling the center to cut costs, increase security, and provide the greatest flexibility to continue to support research in a fluid environment.

Relying on the University of Pittsburgh's infrastructure provided by CSSD, UCSUR's IT infrastructure works closely with its CSSD counterpart to ensure that the latest security and network trends are met.

Program Evaluation Services

UCSUR can assist faculty at the University of Pittsburgh and community agencies with their program evaluation

needs. We provide assistance in developing and designing evaluation plans, collecting and analyzing data, and writing evaluation reports. Depending on the focus of the project, these services can be provided by the Survey Research Program, Qualitative Data Analysis Program, Urban and Regional Analysis Program, or Gerontology Program.

UCSUR's interdisciplinary staff has evaluation experience in a wide range of content areas, including social service programs, behavioral and mental health services, public health programs, and educational services. UCSUR has conducted evaluations on family support, home visiting, after school and youth development, conflict resolution, developmental disabilities, maternal and child health, fatherhood, and parent education programs, among many others.

In addition, UCSUR has expertise in developing and implementing management information systems and needs assessments. UCSUR provides training and technical assistance to increase the capacity of staff to carry out evaluations, either independently or in collaboration with program evaluation specialists.

Specific evaluation services offered include:

- Development of evaluation designs, including process and outcome evaluations.
- Assistance with program design, focusing on connecting program activities to expected outcomes (program logic models).
- Needs assessments.
- Selection of appropriate outcomes and measurement methods.
- Identification of assessment instruments.
- Development of surveys for program evaluation.
- Data analysis consultation and research design.
- Referral to evaluation consultants with expertise in specific content areas.

Faculty Development Awards

Steven D. Manners

In memory of Steven D. Manners, who began working at the center in 1974 and served as its assistant director from 1989 until his death in September 2000, UCSUR initiated a Faculty Development Awards program in recognition of Mr. Manners' contributions to the center and the University community. UCSUR offers annually two awards of up to $10,000 each. Faculty may apply for awards in two categories: (1) Research Development Grants to support pilot research in the social, behavioral and policy sciences; and (2) Infrastructure Development Awards aimed at enhancing faculty capabilities to carry out interdisciplinary research in the social, behavioral and policy sciences.

- 2012 awardee: Nicholas Castle, Graduate School of Public Health.

- 2011 awardees: Jane Clougherty, Graduate School of Public Health; Fengyan Tang, School of Social Work.

- 2010 awardees: Shanti Gamper-Rabindran, Graduate School of Public and International Affairs; Jennifer H. Lingler, School of Nursing; Werner Troesken and Randall Walsh, Economics; Jennifer Nicoll Victor, Political Science.

- 2009 awardees: Irina Murtazashvili, Economics; Brian A. Primack, Medicine and Pediatrics.

- 2008 awardees: Peter J. Gianaros and J. Richard Jennings, Psychiatry; Keith Morgenlander, Medicine.

- 2007 awardees: Patricia Isabel Documet, Behavioral and Community Health Sciences; Jeffrey Shook and Michael Vaughn, School of Social Work.

- 2006 awardees: Shanti Gamper-Rabindran and Aaron Swoboda, Graduate School of Public and International Affairs; Larissa Myaskovsky, VA Pittsburgh Healthcare System.

- 2005 awardees: Charlotte Brown, Center on Race and Social Problems; Bruce S. Ling, Institute for Doctor-Patient Communication; Eva Marie Shivers, School of Education.

- 2004 awardees: Ellen Olshansky, School of Nursing; Seung-Hyun Yoo, Graduate School of Public Health; Susan Zickmund, Medicine.

- Due to the large number of 2003 applications, UCSUR funded six awards: Pamela Peele, Health Economics; William Klein, Psychology; Daniel Rosen, School of Social Work; Lisa Brush, Sociology; Audrey Murrell, Joseph M. Katz Graduate School of Business; Jeannette Trauth, Graduate School of Public Health.

- 2002 awardees: Maureen Porter, Administrative and Policy Studies; Scott F. Kiesling, Linguistics.

- 2001 awardees: Miriam Hertz, Health Information Management; Paul E. Griffiths, History and Philosophy.

Core Staff

Administration

Director
Richard Schulz

Associate Director
Scott Beach

Business Manager
Greg Six

Administrators
Anna Aivaliotis, Donna M. King

Administrative Assistant
Philip Crain

Systems Administrator
James R. Lefcakis

Systems Support
Eric J. Wolfe

Survey Research

Program Director
Scott Beach

Research Associate
Donald Musa

Senior Research Specialists
Janet Schlarb, Stephen Strotmeyer

Database Programmer/Database Administrator
Robert Keene

Senior Fieldwork Supervisor
Lynda Connelly

Fieldwork Supervisors
Olivia Kirsch, Olivia Wilson

Fieldwork Supervisors/Research Specialists
Amber Barton, Carrie Rodzwicz

Research Specialists
Brian Alley, Christine Byerly, Patricia Lietz

Urban and Regional Analysis

Program Director
Sabina Deitrick**

Associate Program Director
Ralph Bangs**

Regional Economist
Christopher Briem

Research Specialist
Robert Gradek

SWPA Indicators Project Director
Douglas Heuck

SWPA Indicators Research Manager
Milana Nick

SWPA Indicators Research Coordinator
Emily Craig

Gerontology

Program Director
Richard Schulz

Associate Program Director
Judith Matthews

Associate Program Director, Geriatric Education Center
John Hennon

Statistician/Data Manager
Scott Sankey

Project Coordinators
Amber Barton, Jennifer Bissell, Sally Hostein, Julie Klinger

Qualitative Data Analysis

Program Director
Donald Musa

Program Assistant Director
Laurel Person Mecca

Research Specialists
David Halpern, Kevan Schultz

Geographical Information Systems and Visual Analytics Program

Program Director
Ken Sochats**

Generations Together

Emeritus Director/Journal Editor
Sally Newman**

** *Indicates participating faculty, not UCSUR staff*

Faculty Associates

The following individuals serve as faculty associates, representing numerous schools, departments, institutes, and centers.

Charles David Boucek	*Anesthesiology*
John P. Williams	*Anesthesiology*
Hugo Nutini	*Anthropology*
Richard Scaglion	*Anthropology*
Steven Albert	*Behavioral and Community Health Sciences*
Jessica Griffin Burke	*Behavioral and Community Health Sciences*
Mary Hawk	*Behavioral and Community Health Sciences*
Edmund Ricci	*Behavioral and Community Health Sciences*
Ravi Sharma	*Behavioral and Community Health Sciences*
Mark Redfern	*Bioengineering*
Gary M. Marsh	*Biostatistics*
William R. Love	*Business Information Systems*
Stanley J. Kabala	*Center for Environmental Research and Education*
Vijai P. Singh	*Chancellor Office*
Melissa Bilec	*Civil and Environmental Engineering*
Amy Landis	*Civil and Environmental Engineering*
Ronald D. Neufeld	*Civil and Environmental Engineering*
Frank A. Ghinassi	*Clinical Administration*
Catherine V. Palmer	*Communication Science and Disorders*
Connie A. Tompkins	*Communication Science and Disorders*
J. Scott Yaruss	*Communication Science and Disorders*
John Wilds	*Community/Government Relations*
Rami Melhem	*Computer Science*
Daniel Mosse	*Computer Science*
Taieb Znati	*Computer Science*
James Guggenheimer	*Dental Medicine*
Mary Marazita	*Dental maraMedicine*
Titus Schleyer	*Dental Medicine*
Robert Weyant	*Dental Medicine*
Frank Giarratani	*Economics*
Gene Gruver	*Economics*
Carl I. Fertman	*Education*
Michael Gunzenhauser	*Education*
Meryl K. Lazar	*Education*
Steven R. Lyon	*Education*
Maureen Porter	*Education*
Joan I. Vondra	*Education*
Vince N. Mosesso Jr.	*Emergency Medicine*
Paul M. Paris	*Emergency Medicine*
Marcia Landy	*English*
Jane Clougherty	*Environmental and Occupational Health*
Steven H. Belle	*Epidemiology*
Joyce T. Bromberger	*Epidemiology*
Jane A. Cauley	*Epidemiology*
Andrea Kriska	*Epidemiology*
Joel L. Weissfeld	*Epidemiology*
Jonathon Erlen	*Falk Library/Public Health*
William B. Kory	*Geography*
Carolyn Ban	*Graduate School of Public and International Affairs*
Louise Comfort	*Graduate School of Public and International Affairs*
Sabina Deitrick	*Graduate School of Public and International Affairs*
David Y. Miller	*Graduate School of Public and International Affairs*
Jennifer Brach	*Health and Rehabilitation Sciences*
Nicholas Castle	*Health Policy and Management*
Howard B. Degenholtz	*Health Policy and Management*
Judith R. Lave	*Health Policy and Management*
Beaufort B. Longest Jr	*Health Policy and Management*

Margaret Potter	*Health Policy and Management*
Seymour Drescher	*History*
Laurence A. Glasco	*History*
Edward K. Muller	*History*
Lisa S. Parker	*Human Genetics*
Anthony J. Silvestre	*Infectious Diseases/Microbiology*
Mary Besterfield-Sacre	*Industrial Engineering*
Kenneth Sochats	*Information Sciences*
Terry Miller	*Institute of Politics*
Christine Kush	*Katz Graduate School of Business*
Carrie R. Leana	*Katz Graduate School of Business*
Marick F. Masters	*Katz Graduate School of Business*
John E. Prescott	*Katz Graduate School of Business*
Ronald A. Brand	*Law*
Mary Crossley	*Law*
Vivian Curran	*Law*
Lawrence A. Frolik	*Law*
David Herring	*Law*
Alan Meisel	*Law*
Richard P. Correnti	*Learning Research and Development Center*
Mary Kay Stein	*Learning Research and Development Center*
James M. Roberts	*Magee-Women's Research Institute*
Derek C. Angus	*Medicine*
Robert M. Arnold	*Medicine*
Amber Barnato	*Medicine*
Cindy L. Bryce	*Medicine*
Michael Fine	*Medicine*
John Kellum Jr.	*Medicine*
Anne B. Newman	*Medicine*
P. Sudhakar Reddy	*Medicine*
Linda Robertson	*Medicine*
Eric Rodriguez	*Medicine*
Robert E. Schoen	*Medicine*
Rakesh Sindhi	*Medicine*
Stephanie Studenski	*Medicine*
Galen Switzer	*Medicine*
Mark Unruh	*Medicine*
Debra K. Weiner	*Medicine*
Andrew N. Weintraub	*Music*
Edward Stricker	*Neuroscience*
Catherine Bender	*Nursing*
JiYeon Choi	*Nursing*
Rose E. Constantino	*Nursing*
Willa M. Doswell	*Nursing*
Jacqueline Dunbar-Jacob	*Nursing*
Judith A. Erlen	*Nursing*
Jennifer Lingler	*Nursing*
Faith Luyster	*Nursing*
Ann M. Mitchell	*Nursing*
Jill Radtke	*Nursing*
Elizabeth A. Schlenk	*Nursing*
Paula Sherwood	*Nursing*
Aletha Akers	*Obstetrics, Gynecology and Reproductive Services*
Joan C. Rogers	*Occupational Therapy*
Patricia Beeson	*Office of the Provost*
Juan Manfredi	*Office of the Provost*
Alberta Sbragia	*Office of the Provost*
James J. Irrgang	*Orthodpedic Surgery*
Bruce S. Rabin	*Pathology*
Parmjeet Randhawa	*Pathology*
Raymond Pitetti	*Pediatrics*
Abhay Vats	*Pediatrics*
Selma F. Witchel	*Pediatrics*
Pouran Famili	*Periodontics*
Roberta Farrah	*Pharmacy*
Jessie VanSwearingen	*Physical Therapy*
John Hurwitz	*Political Science*
Boris Birmaher	*Psychiatry*
David Brent	*Psychiatry*

Charlotte Brown	*Psychiatry*
Tammy Chung	*Psychiatry*
Duncan Clark	*Psychiatry*
Patricia Cluss	*Psychiatry*
Ronald Dahl	*Psychiatry*
Mary Amanda Dew	*Psychiatry*
Andrea Dimartini	*Psychiatry*
Linda J. Ewing	*Psychiatry*
Amy Herschell	*Psychiatry*
Jordan Karp	*Psychiatry*
Robert S. Marin	*Psychiatry*
Karen A. Matthews	*Psychiatry*
Timothy Monk	*Psychiatry*
Lisa A. Morrow	*Psychiatry*
Jennifer Morse	*Psychiatry*
Richard Morycz	*Psychiatry*
Benoit H. Mulsant	*Psychiatry*
Edward P. Mulvey	*Psychiatry*
Vishwajit Nimgaonkar	*Psychiatry*
Paul Pilkonis	*Psychiatry*
Bruce Pollock	*Psychiatry*
Charles F. Reynolds III	*Psychiatry*
Jules Rosen	*Psychiatry*
Neal Ryan	*Psychiatry*
Magda Stouthamer-Loeber	*Psychiatry*
Peter Gianaros	*Psychology*
Martin Greenberg	*Psychology*
Christina Groark	*Psychology*
Thomas Kamarck	*Psychology*
William Klein	*Psychology*
John Levine	*Psychology*
Robert McCall	*Psychology*
Kathryn Roecklein	*Psychology*
Daniel Shaw	*Psychology*
Katherine Wisner	*Psychology*
Steven E. Stern	*Psychology-Johnstown*
Mary Goldberg	*Rehabilitation Science and Technology*
Nancy Condee	*Slavic Languages and Literatures*
Vladimir Padunov	*Slavic Languages and Literatures*
Ralph Bangs	*Social Work*
Larry E. Davis	*Social Work*
Rafael J. Engel	*Social Work*
Rachel Fusco	*Social Work*
Catherine Greeno	*Social Work*
Lovie Jackson	*Social Work*
Lambert Maguire	*Social Work*
Helen Petracchi	*Social Work*
Mary Rauktis	*Social Work*
Tracy M. Soska	*Social Work*
Hide Yamatani	*Social Work*
Joyce Bell	*Sociology*
Kathleen M. Blee	*Sociology*
Lisa D. Brush	*Sociology*
Akiko Hashimoto	*Sociology*
Daniel Hall	*Surgery*
James D. Luketich	*Surgery*
Ron Shapiro	*Surgery*
Larry Feick	*University Center for International Studies*
Carolyn J. Carson	*Urban Studies Program*

Projects*

A Multi-Institutional Study of Hematopoietic Stem Cell Donor Safety

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Galen Switzer, *Medicine*

Funder: *National Institutes of Health*
Period: *12/08-11/13*

Telephone surveys of 400 adult and child stem cell donors before and after donation to assess quality of life and other donation-related outcomes.

Adult to Adult Living Donor Liver (A2ALL) Transplantation Study: Health-Related Quality of Life Sub-Study

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Mary Amanda Dew, *Psychiatry*
Andrea Dimartini, *Psychiatry*

Funder: *National Institutes of Health*
Period: *09/10-08/14*

Telephone interviews of 900 liver donors to explore health-related quality-of-life outcomes associated with donation over three years.

An Examination of Residential Abuse in Assisted Living Facilities

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Nicholas Castle, *Health Policy and Management*

Funder: *Department of Justice*
Period: *01/11-12/12*

Consultation on a national study of resident-to-resident abuse in assisted living facilities.

Asbury Heights Senior Living Community Telephone Survey

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
John Zanardelli, *Asbury Heights*

Funder: *United Methodist Services for the Aging*
Period: *04/12-06/12*

Telephone survey of 900 baby-boomers and older adults to ascertain need for and awareness of local senior living communities.

Assessing Instructional Content and Interaction at Scale

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Richard P. Correnti, *LRDC*

Funder: *National Institutes of Health0*
Period: *06/08-05/12*

Assist in the development and administration of Web-based data collection tools for 120 K-12 teachers to assess instructional activities and the nature of interaction with students.

Developing a GIS-based Survey Instrument to Examine Multiple Exposures in Neighborhood Health Research

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Robert Keene, *SRP, UCSUR*
Jane Clougherty, *Environmental and Occupational Health*

Funder: *Graduate School of Public Health*
Period: *07/11-12/12*

Web survey of 200 individuals from Pittsburgh, Pa. and New York City, N.Y. designed to help researchers better understand how people perceive the size and shape of their neighborhoods and how perceived "neighborhood scale" may differ across each city.

Does a New Supermarket Improve Dietary Behaviors of Low-Income African Americans?

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Tamara Dubowitz, *RAND Corporation*

Funder: *National Institutes of Health*
Period: *05/10-04/14*

Interviewer training, data management; and collection of 24-hour dietary recall telephone data in a study of the impact of a new grocery store on dietary behavior in 1,600 residents of low-income neighborhoods.

EFRI-SEED: BUILD - Barriers, Understanding, Integration - Life Cycle Development

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Robert Keene, *SRP, UCSUR*
Melissa Bilec, *Civil and Environmental Engineering*

Funder: *National Science Foundation*
Period: *08/10-07/14*

Design and conduct of a web-based survey of 2,000 architects, engineers, and construction professionals focused on knowledge and attitudes toward Life Cycle Assessment methodology as a tool for sustainable design.

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*In alphabetical order by UCSUR principal investigator

Projects, continued

Ethnicity and Culture in Unrelated Stem Cell Donation

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Galen Switzer, *Medicine*

Funder: National Institutes of Health

Period: 04/06-09/11

Conduct telephone surveys of 1600 stem cell donors to determine the role of ethnic and cultural factors on donor-related outcomes.

Factors Contributing to Oral Health Disparities in Appalachia

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Stephen Strotmeyer, *SRP, UCSUR*

Mary Marazita, *Dental Medicine*

Funder: National Institutes of Health

Period: 04/11-03/15

Conduct prenatal and five post-birth follow-up telephone interviews of 1,000 new mothers—500 in Pittsburgh and 500 in West Virginia—to explore factors related to childhood oral health disparities.

Genetic Predictors of Seasonal Affective Disorder

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Stephen Strotmeyer, *SRP, UCSUR*

Kathryn Roecklein, *Psychology*

Funder: Faculty Award

Period: 01/12-05/12

Recruitment of 120 community controls for investigating sequence variations in the gene for the photopigment melanopsin as a possible explanation for the relationship between season, environmental light levels, and depression.

Global/International Programs and Activities

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Robert Keene, *SRP, UCSUR*

Larry Feick, *University Center for International Studies (UCIS)*

Funder: UCIS

Period: 10/11-12/11

Web survey of 430 University of Pittsburgh faculty members about the University's current strengths and weaknesses in its global/international programs and activities, and faculty perceptions of how the University should move forward.

Health Literacy Consumer Survey

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Terry Miller, *Institute of Politics*

Funder: Hospital Council of Western Pennsylvania and Highmark

Period: 10/11-09/12

Telephone interviews of 1000 residents of Southwestern Pennsylvania to determine the level of health literacy in the region and ascertain preferred sources of health information.

Impact of Nocturnal Hemodialysis on Sleep Apnea, Sleep Quality, and Daytime Symptoms

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Mark Unruh, *Medicine*

Funder: National Institute of Health

Period: 07/07-05/12

Conduct telephone interviews assessing sleep quality of 100 patients receiving nocturnal hemodialysis. Patients also provide daily diary data (four times/day for one week) via IVR (interactive voice response) technology.

Interpersonal Functioning and Emotion in Borderline Personality

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Paul Pilkonis, *Psychiatry*

Funder: National Institutes of Health

Period: 07/07-06/12

Recruitment of 150 community subjects across the range of Borderline Personality Disorder for a study of interpersonal functioning and emotion in borderline personality.

IVR Falls Intervention

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Robert Keene, *SRP, UCSUR*

Steven Albert, *Behavioral and Community Health Sciences*

Funder: Centers for Disease Control

Period: 10/10-01/13

Monthly Interactive Voice Response (IVR) telephone interviews over two years with 100 older adults participating in a falls prevention trial.

Phase Shift Tolerance in the Elderly

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Timothy Monk, *Psychiatry*

Funder: National Institute on Aging

Period: 04/07-03/13

Telephone interviews with 1600 Allegheny County residents age 65 and older over four years to study the impact of former shift work on long-term sleep quality and health outcomes.

Pittsburgh Project on Brain Pathways to Heart Health

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Stephen Strotmeyer, *SRP, UCSUR*

Peter Gianaros, *Psychology*

Funder: National Institutes of Health

Period: 02/12-01/17

Recruitment of 120 community controls for a study on blood pressure reactivity to psychological stress and greater preclinical carotid atherosclerosis.

Pittsburgh Public Schools' Excellence for All

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Stephen Strotmeyer, *SRP, UCSUR*

Shannah Tharp-Taylor, *RAND Corporation*

Funder: Fund for Excellence (consortium of Pittsburgh foundations)

Period: 03/08-09/11

Conduct web-based and paper surveys of 30 principals, 120 teachers, and 2000 students from Pittsburgh Public Schools (K-12) as part of an evaluation of the Instructional Improvements Initiative.

Social Behaviors and Health in Older Adulthood: A Secure Base from which to Thrive

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Brooke Feeney, *Carnegie Mellon University*

Funder: National Institutes of Health

Period: 04/11-03/13

Telephone recruitment of 250 older couples over two years for a study of specific social behaviors that are responsible for the effects of social relations on health and well-being in older adulthood.

The Challenge of Providing Care to People with Multiple Sclerosis

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Elizabeth Morrison, *University of California, Irvine*

Aileen Wiglesworth, *University of California, Irvine*

Funder: North American Research Committee on Multiple Sclerosis

Period: 09/11-04/12

Telephone interviews of 200 persons with MS to learn how persons with multiple sclerosis are treated by their caregivers.

The Pittsburgh Regional Quality of Life Survey

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Richard Schulz, *Gerontology, UCSUR*

Douglas Heuck, *PittsburghToday, UCSUR*

Funder: PittsburghToday, UCSUR

Period: 07/11-present

Telephone interviews of 2200 residents in the 32-county region surrounding Pittsburgh about a variety of topics to assess quality of life.

Tropman Soundings

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Diana Bucco, *The Forbes Fund*

Funder: The Forbes Fund

Period: 01/12-12/12

Web-based surveys of 200 Pittsburgh area human service organizations about topics relevant to the non-profit sector.

Undergraduate Student Satisfaction and Retention Study

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Donald Musa, *QDAP, UCSUR*

Juan Manfredi, *Office of the Provost*

Funder: Office of the Provost

Period: 09/97-present

Conduct telephone and W eb-based surveys of University of Pittsburgh undergraduate students (n=1800 per year) and withdrawing students (n=400 per year) to determine factors related to student satisfaction and retention.

Projects, continued

Understanding Race and Culture in Living Donor Kidney Transplantation

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Stephen Strotmeyer, *SRP, UCSUR*

Larissa Myascovsky, *Pittsburgh VA Healthcare System*

Funder: *National Institutes of Health*

Period: *09/09-08/14*

Telephone interviews with 1200 kidney transplant candidates focusing on attitudes, knowledge, and family factors in transplant decision-making.

Understanding Race and Culture in Living Donor Kidney Transplantation Among Veterans

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Stephen Strotmeyer, *SRP, UCSUR*

Larissa Myascovsky, *Pittsburgh VA Healthcare System*

Funder: *Pittsburgh VA Healthcare System*

Period: *04/10-07/12*

Telephone interviews with 600 veteran kidney transplant candidates focusing on attitudes, knowledge, and family factors in transplant decision-making.

University of Pittsburgh Off-campus Living Survey

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Robert Keene, *SRP, UCSUR*

Deborah Bon, *University of Pittsburgh*

Julie Gismondi, *University of Pittsburgh*

Funder: *University of Pittsburgh*

Period: *ongoing*

Web survey of 2400 University of Pittsburgh students not residing in campus housing focused on evaluations of off-campus apartments and landlords to be used in the development of a landlord "report card" Web site.

Veterans Impact of Chronic Pruritus

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Janet Schlarb, *SRP, UCSUR*

Suephy Chen, *Atlanta VA*

Funder: *Atlanta VA Healthcare System*

Period: *04/10-12/11*

Conduct telephone surveys of 2000 veterans across the United States to asses the prevalence and impact of chronic pruritis.

Western Pennsylvania Manufacturing Industry Study

Principal Investigators: **Scott Beach,** *SRP, UCSUR*

Robert Keene, *SRP, UCSUR*

Christine Kush, *Katz Graduate School of Business*

Funder: *Katz Graduate School of Business - Institute for Entrepreneurial Excellence*

Period: *ongoing*

Assist with the conduct and statistical analysis of a bi-annual web-based survey of 100 local manufacturing firms focusing on their performance and business practices

PA CleanWays

Principal Investigator: **Sabina Deitrick,** *URA, UCSUR*

Funder: *PA CleanWays*

Period: *Completed 07/12*

Provide "as-needed" GIS mapping services for the PA CleanWays sites.

Pittsburgh Neighborhood and Community Information System

Principal Investigator: **Sabina Deitrick,** *URA, UCSUR*

Funders: *Pittsburgh Partnership for Neighborhood Development,*

multiple funders

Period: *07/03-12/12*

Enhance and expand access to data and information to help Pittsburgh and Allegheny County residents, organizations, and governments improve their communities.

Small Colleges and Universities and Their Economic and Community Impacts

Principal Investigators: **Sabina Deitrick,** *URA, UCSUR*

William Lafe, *Independent Consultant*

Funder: *McCune Foundation*

Period: *10/09-09/11*

The study assessed the economic and community impact of small, private liberal arts colleges located in Western Pennsylvania and West Virginia on the towns in which they are located. The study extended a pilot study conducted from 11/09-01/10 to focus on prototype colleges in order to test the proposed methodology and determine what factors play a key role in determining the colleges' economic and community impact.

City of Pittsburgh Land Bank Business Plan

Principal Investigator: **Robert Gradeck,** *URA, UCSUR*

Funder: *The Urban Redevelopment Authority of Pittsburgh*

Period: *03/12-11/12*

Provided information on tax delinquent properties in support of business planning efforts for the City of Pittsburgh's land bank.

Hazelwood Neighborhood Profile

Principal Investigator: **Robert Gradeck,** *URA, UCSUR*

Funder: *The Heinz Endowments*

Period: *11/11-06/12*

Developed a report describing conditions in the Hazelwood neighborhood, and delivered a presentation to community stakeholders.

Hill District Vacant Property Plan

Principal Investigator: **Robert Gradeck,** *URA, UCSUR*

Funder: *Hill District Consensus Group*

Period: *03/12-11/12*

Provide information on property in the Hill District in support of a plan for managing vacant land in the neighborhood.

Hilltop Foreclosure Analysis

Principal Investigator: **Robert Gradeck,** *URA, UCSUR*

Funder: *NeighborWorks Western Pennsylvania*

Period: *04/11-10/12*

Provided a demographic profile of property owners in foreclosure using deed and mortgage data.

Lawrenceville New and Former Resident Survey

Principal Investigator: **Robert Gradeck,** *URA, UCSUR*

Funder: *Urban Redevelopment Authority of Pittsburgh*

Period: *02/11-12/11*

Survey of recent movers to and from the Lawrenceville neighborhood in Pittsburgh to help the community understand changes in neighborhood residents and why movers move to Lawrenceville.

Pittsburgh Public School Realignment

Principal Investigator: **Robert Gradeck,** *URA, UCSUR*

Funder: *Pittsburgh Public Schools*

Period: *04/11-09/12*

Provided an analysis of school enrollment data and demographic and neighborhood trends in the City of Pittsburgh; provided GIS and technical services in support of the district's realignment process.

Pittsburgh Youth Study

Principal Investigator: **Robert Gradeck,** *URA, UCSUR*

Funder: *Life History Studies Program/WPIC*

Period: *04/12-12/12*

Provided geocoding services and other data to support research efforts at the Youth Study.

Evaluation of a First-person Vision Technology

Principal Investigators: **Judith Matthews,** *Gerontology, UCSUR*
Scott Beach, *SRP, UCSUR*
Martial Hebert, *Carnegie Mellon University*
Laurel Person Mecca, *QDAP, UCSUR*
Richard Schulz, *Gerontology, UCSUR*

Funder: *National Science Foundation*

Period: *06/10-05/12*

Wearable devices equipped with audio and video sensors enable inferences to be made about what individuals are doing, when they might need or want assistance, and the nature of their interaction. Older adults, their spouses, and caregiving dyads dealing with moderate to severe dementia engage in usability testing of prototype first-person vision devices at home.

First Person Vision for Objective Evaluation of Caregiving Quality

Principal Investigators: **Judith Matthews,** *Gerontology, UCSUR*
Jennifer Lingler, *Nursing*
Martial Hebert, *Carnegie Mellon University*
Scott Beach, *SRP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
Richard Schulz, *Gerontology, UCSUR*

Funder: *National Institute of Nursing Research*

Period: *03/12-02/14*

This project explores the use of first person vision (FPV) technology to assess the interaction between persons with moderate to severe dementia and their family caregivers, as a basis for nurse-delivered intervention as well as development of an automated, intelligent assessment and intervention tool to reduce problem behaviors and decrease caregiver burden.

Projects, continued

Monitoring Human Performance with Wearable Accelerometers

Principal Investigators: **Judith Matthews,** *Gerontology, UCSUR*

Jennifer Brach, *Health and Rehabilitation Sciences*

Jessica Hodgins, *Carnegie Mellon University*

Mark Redfern, *Bioengineering*

Funder: *National Science Foundation*

Period: *09/09-08/12*

Motion capture studies of persons with and without mobility disability, in order to learn how they perform complex actions involving locomotion and balance and to explore the utility of a wearable motion capture device for evaluation of mobility in non-clinical settings.

Usability of a Multi-user Health Kiosk

Principal Investigators: **Judith Matthews,** *Gerontology, UCSUR*

Scott Beach, *SRP, UCSUR*

Karen Courtney, *University of Victoria*

Laurel Person Mecca, *QDAP, UCSUR*

Richard Schulz, *Gerontology, UCSUR*

Daniel Siewiorek, *Carnegie Mellon University*

Asim Smailagic, *Carnegie Mellon University*

Funder: *National Science Foundation*

Period: *06/10-05/12*

Laboratory and community-based testing of a prototype multi-user health kiosk designed for older adults to self-monitor selected physiologic and physical parameters, self-report health and functional ability, and share these data with designated health care providers.

Virtual Coaching of Therapeutic Exercise for Knee Osteoarthritis

Principal Investigators: **Judith Matthews,** *Gerontology, UCSUR*

Elizabeth Schlenk, *Nursing*

Reid Simmons, *Carnegie Mellon University*

Funder: *National Science Foundation*

Period: *06/10-05/12*

Preliminary evaluation of responsiveness of persons with osteoarthritis of the knee and healthy controls to a virtual coach system that provides instruction, guidance, and feedback during performance of therapeutic exercise. Addresses the challenge of nonadherence to home-based regimens typically prescribed as an adjunct to outpatient physical therapy and for maintenance of functional gains achieved during intensive treatment.

Adolescent Maternal Functioning

Principal Investigators: **Laurel Person Mecca,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Katherine Wisner, *Psychology*

Funder: *Research Development Funds*

Period: *07/11-02/12*

Transcribed and coded focus groups with mothers and adolescents regarding participation in the RAPP study and ways in which the RAPP study sessions could be improved.

Enhancing Motivation for CPAP Adherence in Obstructive Sleep Apnea (OSA)

Principal Investigators: **Laurel Person Mecca,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Faith Luyster, *Nursing*

Funder: *National Institutes of Health*

Period: *01/12-present*

Facilitation, transcription and coding of focus groups with OSA patients and their significant others to explore critical factors for adoption and use of CPAP to inform modification of a motivational intervention for CPAP.

Experiential Learning for Veterans in Assistive Technology and Engineering (ELeVATE)

Principal Investigators: **Laurel Person Mecca,** *QDAP, UCSUR*

Mary Goldberg, *Rehabilitation Science and Technology*

Funder: *National Science Foundation*

Period: *03/11-02/12*

Conduct a series of semi-structured interviews with ELeVATE student interns and mentors and code results to gauge satisfaction with the program and to assess students' domain knowledge and research skills.

Freedom from Racism or Free to be Racist: Racial Harassment Policy in Higher Education

Principal Investigators: **Laurel Person Mecca,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Joyce Bell, *Sociology*

Funder: *Center on Race and Social Problems*

Period: *04/12-10/12*

Coded the top 100 U.S. universities' anti-discrimination policies to explore how racial harassment is defined and how discrimination is balanced with freedom of speech.

Reaching Adolescents by Partnering with Parents (RAPP)

Principal Investigators: **Laurel Person Mecca,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Aletha Akers, *Obstetrics, Gynecology and Reproductive Services*

Funder: Robert Wood Johnson Foundation

Period: 02/12-08/12

Conducted and transcribed interviews with mothers and adolescents regarding participation in the RAPP study and ways in which the RAPP study sessions could be improved.

A Vulnerable Population within a Vulnerable Population: LGBTQ Youth in Child Welfare

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Rachel Fusco, *Social Work*

Funder: Central Research Development Fund

Period: 05/12-07/12

Transcribed interviews to inform training for public child welfare workers and to provide the foundation for future work in improving services and outcomes for child welfare involved LGBTQ youth in Pennsylvania.

An Educational Intervention for Patients with Invasive Bladder Cancer

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Nihal Mohamed, *The Mount Sinai Hospital*

Funder: American Cancer Society

Period: 03/12-09/12

Transcribed focus groups and interviews with invasive bladder cancer patients regarding treatment decisions, self-care behavior, and subsequent quality of life.

Barriers, Understanding, Integration - Life Cycle Development (BUILD)

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Laurel Person Mecca, *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Melissa Bilec, *Civil and Environmental Engineering*

Amy Landis, *Civil and Environmental Engineering*

Funder: National Science Foundation

Period: 09/10-08/11

Facilitated, transcribed, and coded focus groups with members of the architecture, engineering, and construction (A/E/C) communities regarding barriers and possible solutions to life cycle assessment (LCA).

Breastfeeding in Late Preterm Infant: A Grounded Theory Study

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Jill Radtke, *Nursing*

Funder: National Institute of Nursing Research

Period: 02/11-01/12

Transcribe interviews with mothers of late preterm infants (34-37 weeks gestation) regarding the process of breastfeeding initiation and continuation.

Caregivers of Persons on Prolonged Mechanical Ventilation: Mind-Body Interaction Model

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

JiYeon Choi, *Nursing*

Funder: Central Research Development Fund

Period: 06/12-08/12

Transcribed interviews with family caregivers of persons on PMV to understand the extent of negative psychological and behavioral responses in caregivers.

Child Protection, Free Speech and the Internet

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Monica Bulger, *Oxford University*

Funders: Oak Foundation, Oxford University Press Fell Fund

Period: 01/12-02/12

Transcribed a forum and interviews with high-level members of representative NGOs to discuss both familiar and newly-emerging policy issues with a view to promoting a better understanding of the different groups' (advocates of online child protection and advocates of freedom of expression) positions and sharing perspectives and information.

Community Stressors and Susceptibility to Air Pollution in Urban Asthma

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Laurel Person Mecca, *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Jane Clougherty, *Environmental and Occupational Health*

Funder: U.S. Environmental Protection Agency

Period: 05/12-present

Transcription in English and transcription in Spanish and translation to English focus groups with New York City residents regarding key stressors in diverse NYC neighborhoods.

Projects, continued

Course Curriculum and Laboratory Improvement in Engineering

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Mary Besterfield-Sacre, *Industrial Engineering*
Funder: *National Science Foundation*
Period: *03/12-08/12*

Transcribed recordings of teams of engineering students solving an engineering problem.

Decision Making Processes Regarding a Preventative Vaccine for Colorectal Cancer

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Linda Robertson, *Medicine*
Funder: *Start-up Funds*
Period: *08/11-03/12*

Coded interviews with adults regarding their decision to participate in a clinical trial for the MUC1 vaccine.

Evaluation of Horizon Healthcare Innovations' (HHI) Patient-Centered Medical Homes

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Jeanne Ferrante, *University of Medicine and Dentistry of New Jersey*
Funder: *Horizon Healthcare Innovations*
Period: *05/12-present*

Transcription of interviews with clinical staff regarding the process of transforming primary care practices into Patient-Centered Medical Homes and use of HHI's intervention.

HEALTH for Families

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
Patricia Cluss, *Psychiatry*
Linda Ewing, *Psychiatry*
Funder: *National Center on Minority Health and Health Disparities*
Period: *09/10-09/11*

Transcribed and coded interviews with primary caregivers of low-income obese children ages 2-11 years regarding a weight management intervention program.

Implementation of a Global Studies Certificate

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Michael Gunzenhauser, *Education*
Funder: *Research Development Funds*
Period: *06/10-11/11*

Transcribed interviews with a local school district's teachers and administrators in order to understand the process of starting a new Global Scholars' program in place of the International Baccalaureate program.

International Study of Parking Enforcement

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Danielle van Jaarsveld, *Univerity of British Columbia*
Funder: *Social Sciences and Humanities Research Council of Canada*
Period: *05/12-present*

Transcription of focus groups with parking enforcement officers to identify factors that will improve workforce engagement, job satisfaction, job performance, and employee well-being.

Japanese Women's Resistance to Pap Smears in the U.S.

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Kohhei Nakagawa, *UPMC*
Funder: *UPMC Shadyside Hospital Competitive Research Fund*
Period: *05/11-09/11*

Coded focus groups with indigenous Japanese women currently living in the U.S. regarding their knowledge of and potential resistance to cervical cancer screenings.

Lapsed Use of the Internet Amongst Young People in the UK: Digital Choice or Digital Exclusion?

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Rebecca Eynon, *Oxford University*
Funder: *The Nominet Trust*
Period: *09/11-05/12*

Transcribed interviews with individuals identified as "lapsed Internet users" regarding why they stopped using the Internet and the implications of non-use of the Internet in the daily lives of these young people.

New Brunswick Hospital – Community Health Assessment

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Jesse Crosson, *University of Medicine and Dentistry of New Jersey*

Funder: *Center for State Health Policy, Rutgers University*

Period: *06/12-08/12*

Transcribed interviews and focus groups to better understand community health needs; gain a firm knowledge of the scope of existing health care resources in the central New Jersey region; create more targeted services that address the top-priority needs identified by the community; and better coordinate services.

Oxford e-Social Science

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Eric Meyer, *Oxford University*

Funder: *Economic and Social Research Council*

Period: *07/10-10/11*

Transcribed interviews with researchers across all disciplines regarding the use and impacts of using information and communication technology to conduct scholarly research, or "e-research".

PARIS Community Electronic Health Record

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Andrew Burton-Jones, *University of British Columbia*

Funder: *Social Science and Humanities Research Council of Canada*

Period: *03/11-06/12*

Transcribe interviews and focus groups with users of the Primary Access Regional Information System (PARIS) electronic health record system regarding the system's efficacy.

Pittsburgh Regional Initiative for Diabetes Education (PRIDE)

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Laurel Person Mecca, *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Barbara Barnes, *UPMC*

Luke Ling, *UPMC*

Funder: *U.S. Department of Defense*

Period: *07/11-03/12*

Conduct, transcribe, and code interviews with 18-54 year olds at risk for Type II diabetes regarding a newly developed diabetes educational Web site.

Preventing Postpartum Weight Retention Among Low-income, Black Women

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Sharon Herring, *Temple University*

Funder: *National Institutes of Health*

Period: *06/11-11/11*

Transcribed interviews with Black mothers' during pregnancy and over the first postpartum year regarding social contextual factors on weight-related behaviors.

Public Health System Indicators Project (PHSIP)

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Margaret Potter, *Health Policy and Management*

Leslie Fink, *Graduate School of Public Health*

Funder: *Centers for Disease Control and Prevention*

Period: *12/11-12/11*

Transcribed interviews to inform the development of accurate and reliable metrics for measuring the public health preparedness and response system.

Robert Wood Johnson Partners: Building an Integrated Delivery System

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Alfred Tallia, *University of Medicine and Dentistry of New Jersey*

Funder: *University of Medicine and Dentistry of New Jersey*

Period: *04/12-present*

Transcription of interviews with people who have been involved in the process of trying to start an accountable care organization (ACO). The interviews ask participants to reflect on and describe their involvement in the process as well as to speculate about how they see different aspects of the organization playing out in the future.

Sensemaking Following a Work-related Trauma

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Sally Maitlis, *University of British Columbia*

Funder: *Social Science and Humanities Research Council*

Period: *03/10-04/12*

Transcribed interviews with professional artists regarding their careers following debilitating injury.

Projects, continued

Skin Cancer in Hispanic Communities

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Elliot Coups, *University of Medicine and Dentistry of New Jersey*

Marsha Gordon, *University of Medicine and Dentistry of New Jersey*

Funder: *National Cancer Institute*

Period: *06/11-07/11*

Transcribed English interviews and translated and transcribed Spanish language interviews with Hispanic adults about their beliefs and behaviors regarding protection from the sun and their perceptions of risk of contracting skin cancer as a result of sun exposure.

The Functions of Affect in Treatment Decisions of Rising PSA Patients

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Michael Diefenbach, *The Mount Sinai Hospital*

Funder: *National Institutes of Health*

Period: *02/12-07/12*

Transcribed interviews with subjects with rising PSA levels regarding their treatment decision.

The Girlfriends Project

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Mary Hawk, *Behavioral and Community Health Sciences*

Funder: *UPMC*

Period: *06/12-present*

Transcription of interviews with women regarding participation in The Girlfriends Project, an educational intervention which focuses on HIV prevention for African American women.

The Use of Mobile Technology in Caseworker Visits to Children in Federally Defined Foster Care

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Mary Rauktis, *Social Work*

Funder: *Pennsylvania Department of Public Welfare*

Period: *06/11-09/11*

Transcribed focus groups with social workers regarding mobile technology use while working in the field.

ULab: European Laboratory Modeling the Technical Research University of Tomorrow

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

Kevan Schultz, *QDAP, UCSUR*

Monica Bulger, *Oxford University*

Funder: *European Commission*

Period: *07/11-08/11*

Transcribed interviews with researchers at technical and research-intensive European universities regarding the impact of public outreach and engagement activities to inform understanding of how universities can best develop policies to build "the University of Tomorrow".

Veteran's Evidence-based Research, Dissemination and Implementation Center (VERDICT): Learning and Relationships in Primary Care Clinical Microsystems

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*

David Halpern, *QDAP, UCSUR*

Michael Parchman, *South Texas Veterans Health Care System*

Funder: *U.S. Department of Veterans Affairs*

Period: *07/09-10/11*

Transcribed interviews with staff at VA clinics in the South Texas area regarding staff working with one another in order to promote learning among VA employees and resolve conflicts.

Daily Individual and Marital Processes in Osteoarthritis

Principal Investigators: **Richard Schulz,** *Gerontology, UCSUR*

Lynn Martire, *Penn State University*

Funder: *National Institute on Aging*

Period: *09/07-08/13*

This study focuses on the effects of spousal social support and control on older osteoarthritis patients' daily functioning, illness cognitions, and physical activity.

Geriatric Education Center of Pennsylvania (GEC/PA)

Principal Investigator: **Richard Schulz,** *Gerontology, UCSUR*

Funder: *Health Resources and Services Administration*

Period: *07/10-06/15*

The GEC/PA is a consortium of the University of Pittsburgh, Penn State University, and UPMC, with Pitt as the lead institution. The GEC/PA focuses on training to enhance geriatric mental health expertise throughout the state.

Intervention to Facilitate Family Caregiver Adaptation to Nursing Home Transition

Principal
Investigator: **Richard Schulz,** *Gerontology, UCSUR*
Funder: *National Institute of Nursing Research*
Period: *07/07-05/13*

Assess the effects of an intervention designed to enhance health and quality of life of caregivers and their placed relatives by focusing on caregivers who recently placed their relative in a long-term care facility.

Quality of Life Technology Engineering Research Center (QoLT ERC)

Principal
Investigators: **Richard Schulz,** *Gerontology, UCSUR*
Takeo Kanade, *Carnegie Mellon University*
Funder: *National Science Foundation*
Period: *06/06-05/13*

By integrating information technologies and biomedical innovations, the QoLT ERC will allow people to independently perform valued and necessary activities of daily living so that they can more fully participate in society.

Social Behaviors and Health in Older Adulthood: A Secure Base from which to Thrive

Principal
Investigators: **Richard Schulz,** *Gerontology, UCSUR*
Brooke Feeney, *Carnegie Mellon University*
Funder: *National Institutes of Health*
Period: *04/10-03/15*

The purpose of this study is to identify specific social behaviors that are responsible for the effects of social relations on health and well-being in older adulthood. In particular, focus on social behaviors that occur within the closest relationships of older adults and involve the support of older adults' exploration, goal strivings, and continued self-growth.

The Advanced Center for Intervention and Services Research, Research Methods Core

Principal
Investigators: **Richard Schulz,** *Gerontology, UCSUR*
Charles F. Reynolds III, *Psychiatry*
Funder: *National Institute of Mental Health*
Period: *07/11-06/16*

Focus on the social, psychological, and behavioral factors relevant to understanding the interactive nature of physical illness and depression in late life.

Competiveness Research

Principal
Investigator: **Vijai Singh,** *Office of the Chancellor*
Funders: *Heinz Endowments,*
Consolidated Natural Gas
Period: *ongoing*

Projects include analysis of factors which promote regional competiveness of the biotech industry in Pittsburgh. Partner in a research network with Transatlantic Comparison of Continental Innovation Models. Project Director: Professor Ulrich Hilpert, University of Jena, Germany.

Publications 2011–12

Journals

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