We are pleased to share with you the 2015-2016 Annual Report of the University Center for Social and Urban Research (UCSUR). It provides brief descriptions of UCSUR's resources, research programs, faculty development awards, as well as a listing of projects and publications. We are hopeful that you will find this information useful in gaining a better understanding of UCSUR's research activities.

University Center for Social and Urban Research

July 1   June 30

2015-2016
annual report
UNIVERSITY OF PITTSBURGH

UCSUR

University Center for
Social and Urban Research

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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:

- Conduct all types of survey research, including complex Web surveys;

- Carry out regional econometric modeling;

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

- Obtain, format, and analyze spatial data;

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

- Design and carry out descriptive, evaluation, and intervention studies; and

- 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, post-doctoral, 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

Scott R. Beach, PhD

This has been a year of transition for UCSUR. Dr. Richard Schulz, who served as UCSUR Director since 1999, decided to step down to return full time to his role as aging researcher and Director of Gerontology. I was appointed interim director on September 1, 2016 and would like to take the opportunity to thank Richard for his many years of excellent leadership. In his 32 years at the University, he has played a central role in the flourishing of research on aging in general, and in UCSUR's continuing excellence as a resource to social and behavioral science researchers throughout the University and the region. The accomplishments detailed in this annual report occurred under Richard's leadership, and I look forward to continuing the momentum and moving UCSUR forward during this exciting time.

This transition for UCSUR also occurs within the broader context of evolving University priorities, as Chancellor Gallagher continues to implement his strategic vision. Several schools and units are also in leadership transitions, a new School of Computing and Information is being formed, and other administrative re-organization is occurring. I strongly believe that UCSUR is well positioned to adapt to potential changes, as we have always been opportunistic in responding effectively to evolving University and faculty interests and priorities.

During the past year, UCSUR has produced over 40 peer-reviewed publications; participated in over 80 funded grants, the majority of which involve multidisciplinary collaborations; conducted 40 student trainings and more than 100 community technical assistance and dissemination events; and mentored five junior faculty and three post-doctoral fellows. The Center has also continued to be the go-to resource for data and analysis to inform regional public policy, with more than 30,000 web visits to PittsburghTODAY, SWPA Profiles, and the Western Pennsylvania Regional Data Center (WPRDC). These resources contain over 130 downloadable datasets, and 500 indicators covering more than 20 topic areas. Finally, UCSUR continues to build its permanent research infrastructure with the capacity to conduct all types of survey research; obtain, format, and analyze spatial data; acquire, manage, and analyze large secondary and primary data sets; carry out regional econometric modeling; and carry out qualitative research.

I hope this report will give you a sense of the value that UCSUR provides to the University and the broader community, and I look forward to continued collaboration during this new phase in the Center's evolution.

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 next 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:

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 Director
Donald Musa

Offers a rigorous approach to qualitative data collection and analysis including focus group facilitation, interviewing, analysis of textual or website 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 reporting.

Survey Research

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

Program Director
Sabina Deitrick

Promotes scholarly analysis of urban and regional development through multidisciplinary research and technical assistance 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 civic engagement, aids in the evaluation of policy alternatives, and applies GIS and neighborhood indicators to understand community revitalization.

Projects conducted in all these areas illustrate the Center's commitment to enhancing scientific understanding of social phenomena while generating information for improved policy making 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; and

- 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 and incentives.

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; and

- 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 fieldwork 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 re-training sessions occur as necessary.

Computer-assisted telephone interviewing (CATI): A 45-line phone bank at UCSUR is dedicated to a computer-assisted telephone interviewing 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 50 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, and provides the same advantages (automated skips, randomized experiments, etc.).

Audio computer-assisted self interviewing (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 ACASI 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 (EMA).

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.

Mobile device data collection: SRP has capabilities to design applications for the collection of data on Smart Phones and other mobile devices. These include tools for the collection and integration of self-reported survey, location tracking, and physiological monitoring data for real-time ecological momentary assessment studies.

Additional data collection services: Telephone surveys using paper/pencil methodology, mail surveys, and in-person surveys in the Southwestern Pennsylvania region, are also available.
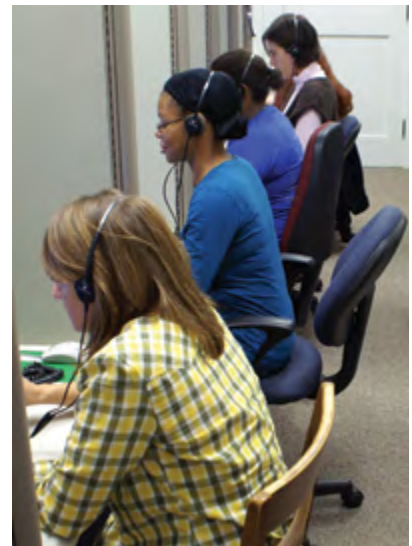
Surveys of Special and Hard-to-reach Populations

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.

Research Registry

UCSUR has developed and maintains an IRB-approved research registry currently containing more than 5,500 local residents who have agreed to be contacted for possible surveys and other research studies. The participants are recruited to the registry on an ongoing basis from the pool of respondents to UCSUR-conducted population-based telephone surveys. The registry includes detailed contact information and demographic information including age, gender, race, education level, marital status, household composition, employment status, and income. This allows for targeting of participants for studies with specific eligibility requirements. External investigators can contract with SRP to access the registry for study recruitment.

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 database 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 weighting 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; and

- 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, and

- 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 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 25 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. 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. 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.

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.

Western Pennsylvania Regional Data Center

The Western Pennsylvania Regional Data Center supports key community initiatives by making public information easier to find and use. The Data Center provides a technological and legal infrastructure for data sharing to support a growing ecosystem of data providers and data users. The Data Center maintains Allegheny County and the City of Pittsburgh's open data portal, and provides a number of services to data publishers and users. The Data Center also hosts datasets from these and other public sector agencies, academic institutions, and non-profit organizations. The Data Center is managed by the University of Pittsburgh's Center for Social and Urban Research, and is a partnership of the University, Allegheny County and the City of Pittsburgh. The Data Center is made possible through support provided by the Richard King Mellon Foundation, The Heinz Endowments, and the University of Pittsburgh.

Southwestern Pennsylvania Community Profiles

Southwestern Pennsylvania Community Profiles (SWPA Community Profiles) is a new way to collect, analyze, and understand information across a range of domains to look at our neighborhoods and communities in a comprehensive data fashion. SWPA Community Profiles presents community data and indicators in a series of interactive tables and maps. With data and indicators from local,

state, and federal government sources, along with a select set of other databases, SWPA Community Profiles allows users to understand and visualize data along a range of geographic areas in our communities and region. Data are organized along eleven domains: Arts & Culture, Demographics, Economy, Education, Environment, Governance & Civic Vitality, Health, Housing & Properties, Human Services, Public Safety, and Transportation. Within each domain is important information in understanding the changes, trends, and developments that are affecting our local areas. Data are available by different geographies, from county and municipal levels down to neighborhood and Census tract and block groupings.

Regional Indicators Project: PittsburghTODAY.org

PittsburghTODAY.org is an in-depth journalism and regional indicators program that compares Greater Pittsburgh with 14 other regions on 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.

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:

- Connecting People and Place– Improving Communities through Integrated Data Systems

- Western Pennsylvania Regional Data Center

- Energy and Greenhouse Gas Emissions in Allegheny County, PA, from 1900-2000: Implications for Local Mitigation Planning

- The State of Entrepreneurship in the Mon Valley

- Who Are the Uninsured in Southwestern Pennsylvania?

- Growing Smarter: Reducing Sprawl Slowly Catches on in the Region

Gerontology Services

Graduate Certificate in Gerontology

This educational 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 offered both on-campus as well as through Pitt Online. They may also select specialty tracks focused on prevention and healthy aging, 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.

Information about this Graduate Certificate in Gerontology Program can be found at: ucsur.pitt.edu/programs/gerontology/certificate-program.

Technology and Aging

A major research project led by the Gerontology Program focuses on how and why community-residing older adults, particularly those with limited access to personal computers and mobile devices, use multi-user health kiosks located in congregate settings to self-monitor and manage several aspects of their health. In addition to tracking user engagement with the assessment and intervention features of the kiosk, the project explores health services utilization during the 18 months of study participation and promotes patient-provider communication regarding personal health and family caregiving concerns. This project is supported by the Agency for Healthcare Quality and Research and involves multidisciplinary collaboration among researchers in the health

professions, social sciences, engineering, computer science, and informatics from several universities.

Geriatric Education

The Geriatric Education Center of Pennsylvania based at UCSUR leads a consortium comprising the University of Pittsburgh, VA Pittsburgh Healthcare System, Pennsylvania State University Center on Healthy Aging, and UPMC Aging Institute. Six initiatives provide training and resources to professional and paraprofessional health care providers, older adults, and family caregivers. Funded by the Health Resources and Services Administration, these initiatives address several regional needs and national directives regarding geriatric education:

- Improving the care of elderly veterans through education of primary care providers and family members

- Transforming clinical training for Alzheimer's disease and related disorders and providing training to health and social services professionals in rural and underserved urban areas

- Advancing dementia-care competency and preparedness across disciplines in multiple primary care settings

- Improving mental health care for older adults in primary care settings

- Improving healthy life styles of older adults by training health and social service providers to implement preventive interventions for older adults in community settings

- Establishing a regional, community-based outreach and resource center

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 have 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 work 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; NVivo, another widely used qualitative data analysis software package; and 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. In addition, we offer training seminars and one-on-one training sessions for faculty, staff and students in using ATLAS.ti, NVivo, Transana, and other qualitative data analysis software.
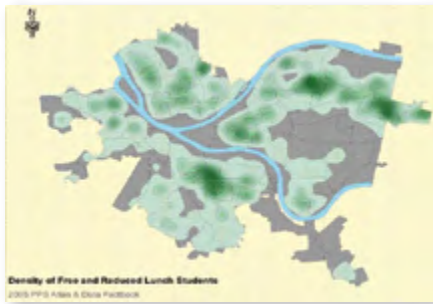
Services Provided
- Study design, management and coordination

- 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, NVivo, 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.

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
- Consulting
- Training
- Education
- 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: 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; and

- 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 (ucsur.pitt.edu)

Information Technology Infrastructure

UCSUR Technology Services (UTS) provides robust data management systems and services for our programs and clients. These systems and services focus on high levels of security, data integrity, reliability, and performance. By partnering with the University of Pittsburgh (Pitt), UCSUR utilizes contemporary technology in order to provide staff and researchers the tools needed to meet critical project requirements and demands. Our collective systems are reliable, redundant, secure, and cost effective. Relying on Pitt's computing infrastructure provided by Computing Services and Systems Development (CSSD) is key to ensuring that the latest security and network standards are employed. Also, leveraging sophisticated software and other resources offered by CSSD is fundamental to UCSUR's overall technology strategy.

In addition, UTS supports the latest data mining and data analytics software/techniques in order to help researchers identify relationships and draw conclusions from collected data. This

data-driven-decision methodology and focus is fundamental to the research conducted and supported by UCSUR's interdisciplinary research team.

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 have 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, and

- 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.

- 2016 awardees: Victoria Shineman, Political Science; Alicia Sufrinko and Anthony Kontos, Orthopaedic Surgery

- 2015 awardees: Carissa Low, University of Pittsburgh Cancer Institute; Elizabeth Votruba-Drzal, Psychology

- 2014 awardees: Anthony Fabio and Dara Mendez, Epidemiology; Lyn Robertson, Medicine

- 2013 awardees: Brian Beaton and Rosta Farzan, School of Information Sciences; Kathryn Monahan, Psychiatry; Ming-Te Wang, School of Education

- 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

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Anderson Dodd Smith, PhD
Georgia Institute of Technology

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Scott Beach

Business Manager
Greg Six

Administrators
Anna Aivaliotis
Donna M. King

Administrative Assistants
Philip Crain
Carrie Rodzwicz

Administration—Technology Services

IT Director/Database Administrator
Robert Keene

Systems Administrator
Eric Wolfe

Senior Research Programmer
David Walker

Research Programmers
Rhaven Nelson
Steven Saylor

Survey Research

Program Director
Scott Beach

Research Associate
Donald Musa

Senior Research Specialists
Janet Schlarb
Stephen Strotmeyer

Senior Fieldwork Supervisor
Lynda Connelly

Fieldwork Supervisors
Olivia Kirsch
Olivia Wilson

Fieldwork Supervisor/Research Specialist
Amber Barton
Carrie Rodzwicz

Research Specialist
Christine Byerly

Research Specialist/Interviewers
Victoria Casilli
Jane Dirks
Patricia Lietz

Urban and Regional Analysis

Program Director
Sabina Deitrick**

Regional Data Center Director
Robert Gradeck

Regional Economist
Christopher Briem

Research Specialist
Elizabeth Monk

Research Development Manager
Michael Blackhurst

PittsburghTODAY Director
Douglas Heuck

PittsburghTODAY Assistant Manager
Isabel Orozco

PittsburghTODAY Research Coordinator
Julia Fraser

Gerontology

Program Director
Richard Schulz

Associate Program Director
Judith Matthews

Associate Director, Geriatric Workforce Enhancement Program
John Hennon

Project Coordinators
Jennifer Bissell
Julie Klinger

Research Interviewer
Sally Hostein

Qualitative Data Analysis

Program Director
Donald Musa

Program Assistant Director
Laurel Person Mecca

Research Specialists
David Halpern
Kevan Schultz

Generations Together

Emeritus Director
Sally Newman

Journal Editor
Rafael Engel

**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*
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*
Richard Boyce	*Biomedical Informatics*
Gary M. Marsh	*Biostatistics*
Melissa Bilec	*Civil and Environmental Engineering*
Caitlin Bruce	*Communication*
Catherine V. Palmer	*Communication Science and Disorders*
Connie A. Tompkins	*Communication Science and Disorders*
J. Scott Yaruss	*Communication Science and Disorders*
Rami Melhem	*Computer Science*
Daniel Mosse	*Computer Science*
Taieb Znati	*Computer Science*
Jeremy Kahn	*Critical Care Medicine*
Douglas White	*Critical Care Medicine*
James Guggenheimer	*Dental Medicine*
Mary Marazita	*Dental Medicine*
Robert Weyant	*Dental Medicine*
Linda DeAngelo	*Education*
Carl I. Fertman	*Education*
Michael Gunzenhauser	*Education*
Steven R. Lyon	*Education*
Amber Pabon	*Education*
Maureen Porter	*Education*
Vince N. Mosesso, Jr.	*Emergency Medicine*
Paul M. Paris	*Emergency Medicine*
Brian Suffoletto	*Emergency Medicine*
Jane Clougherty	*Environmental and Occupational Health*
Steven H. Belle	*Epidemiology*
Joyce T. Bromberger	*Epidemiology*
Jane A. Cauley	*Epidemiology*
Andrea Kriska	*Epidemiology*
William B. Kory	*Geography*
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*
Marcela Gonzalez Rivas	*Graduate School of Public and International Affairs*
Jennifer Brach	*Health and Rehabilitation Sciences*
Anthony Delitto	*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*
Jonathon Erlen	*Health Sciences Library System*
Laurence A. Glasco	*History*
Edward K. Muller	*History*
Lisa S. Parker	*Human Genetics*
Rory Cooper	*Human Engineering Research Laboratories*
Anthony J. Silvestre	*Infectious Diseases/Microbiology*
Mary Besterfield-Sacre	*Industrial Engineering*
Kenneth Sochats	*Information Sciences*
Terry Miller	*Institute of Politics*
Amber Barnato	*Internal Medicine*

Kathleen McTigue	*Internal Medicine*
Lawrence Feick	*Katz Graduate School of Business*
Carrie R. Leana	*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*
Alan Meisel	*Law*
Richard 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*
Sonya Borrero	*Medicine*
Jill Radtke Demirci	*Medicine*
Michael Fine	*Medicine*
Wishwa Kapoor	*Medicine*
John Kellum, Jr.	*Medicine*
Katie Nason	*Medicine*
Anne B. Newman	*Medicine*
P. Sudhakar Reddy	*Medicine*
Linda Robertson	*Medicine*
Eric Rodriguez	*Medicine*
Robert E. Schoen	*Medicine*
Galen Switzer	*Medicine*
Debra K. Weiner	*Medicine*
Catherine Bender	*Nursing*
Lora E. Burke	*Nursing*
Denise Charron-Prochownik	*Nursing*
Eileen Chasens	*Nursing*
JiYeon Choi	*Nursing*
Rose E. Constantino	*Nursing*
Annette DeVito Dabbs	*Nursing*
Heidi Donovan	*Nursing*
Willa M. Doswell	*Nursing*
Jacqueline Dunbar-Jacob	*Nursing*
Sandra Engberg	*Nursing*
Judith A. Erlen	*Nursing*
Jennifer Lingler	*Nursing*
Faith Luyster	*Nursing*
Ann M. Mitchell	*Nursing*
Lorraine Novosel	*Nursing*
Mijung Park	*Nursing*
Margaret Rosenzweig	*Nursing*
Elizabeth A. Schlenk	*Nursing*
Susan Sereika	*Nursing*
Paula Sherwood	*Nursing*
Joan C. Rogers	*Occupational Therapy*
Pamela Toto	*Occupational Therapy*
Patricia Beeson	*Office of the Provost*
Juan Manfredi	*Office of the Provost*
Mark Redfern	*Office of the Provost*
Alberta Sbragia	*Office of the Provost*
Edward Stricker	*Office of the Provost*
James J. Irrgang	*Orthodpedic Surgery*
Bruce S. Rabin	*Pathology*
Parmjeet Randhawa	*Pathology*
Raymond Pitetti	*Pediatrics*
Dianna Ploof	*Pediatrics*
Kristin Ray	*Pediatrics*
Abhay Vats	*Pediatrics*
Selma F. Witchel	*Pediatrics*

Pouran Famili	*Periodontics*
Olufunmilola Abraham	*Pharmacy*
Pam Smithburger	*Pharmacy*
Jessie VanSwearingen	*Physical Therapy*
Barry Ames	*Political Science*
John Hurwitz	*Political Science*
Boris Birmaher	*Psychiatry*
David Brent	*Psychiatry*
Charlotte Brown	*Psychiatry*
Daniel Buysse	*Psychiatry*
Tammy Chung	*Psychiatry*
Duncan Clark	*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*
Mike Marshal	*Psychiatry*
Karen A. Matthews	*Psychiatry*
Lisa A. Morrow	*Psychiatry*
Richard Morycz	*Psychiatry*
Edward P. Mulvey	*Psychiatry*
Vishwajit Nimgaonkar	*Psychiatry*
Paul Pilkonis	*Psychiatry*
Charles F. Reynolds III	*Psychiatry*
Neal Ryan	*Psychiatry*
Sarah Stahl	*Psychiatry*
Peter Gianaros	*Psychology*
Christina Groark	*Psychology*
Thomas Kamarck	*Psychology*
John Levine	*Psychology*
Robert McCall	*Psychology*
Kathryn Roecklein	*Psychology*
Daniel Shaw	*Psychology*
Steven E. Stern	*Psychology-Johnstown*
Dan Ding	*Rehabilitation Science and Technology*
Mary Goldberg	*Rehabilitation Science and Technology*
Larry E. Davis	*Social Work*
Rafael J. Engel	*Social Work*
Rachel Fusco	*Social Work*
Catherine Greeno	*Social Work*
Helen Petracchi	*Social Work*
Mary Rauktis	*Social Work*
Tracy M. Soska	*Social Work*
Hide Yamatani	*Social Work*
Kathleen M. Blee	*Sociology*
Lisa D. Brush	*Sociology*
Waverly Duck	*Sociology*
Vijai P. Singh	*Sociology*
Daniel Hall	*Surgery*
James D. Luketich	*Surgery*
Ralph Bangs	*University Center for International Studies*
Carolyn J. Carson	*Urban Studies Program*

Projects*

10 Keys to Healthy Aging—An Innovative Community-Based Program

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Robert Keene, *SRP, UCSUR*
Steven Albert, *Behavioral and Community Health Sciences*
Funder: Research Development Fund
Period: 07/14-present

UCSUR is using Interactive Voice Response (IVR) system to track balance, falls, activity, and hospital visits monthly over the course of six months.

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: 12/08-11/15

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: 09/10-08/15

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

Brazilian Bureaucracy Web Survey

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Barry Ames, *Political Science*
Funder: Andrew Mellon Professorship of the Dietrich School of Arts and Sciences
Period: 10/14-06/16

Web survey to explore Brazilian bureaucrats' perceptions of problems, obstacles, job-related networks, and appointment criteria.

Does Mindfulness Meditation Training Improve Social Relationship Functioning?

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
David Creswell, *Carnegie Mellon University*
Funder: National Institutes of Health
Period: 09/15-08/20

Telephone recruitment of N=269 older adults for participation in a mindfulness meditation training program.

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: 8/10-07/15

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.

Enhancing Highland Park

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Traci Jackson, *Jackson/Clark Partners*
Funder: City of Pittsburgh
Period: 05/16-07/16

Web survey of community members, park users, zoo visitors, and interested stakeholders about experiences, input, and opinions related to improving Heth's Run Valley.

Esophageal Cancer Patient Survey

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Katie Nason, *Medicine*
Funder: National Institutes of Health
Period: 09/13-08/16

Telephone interviews of 200 patients either diagnosed with or at risk for esophageal cancer exploring risk factors and patient interactions with the healthcare system.

*In alphabetical order by UCSUR principal investigator

Examining Contraceptive Use and Unmet Need among Women Veterans

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Sonya Borrero, *Medicine*
Funder: Department of Veterans Affairs (VA Merit Grant)
Period: 01/13-12/15

Telephone interview with 2300 female veterans to examine contraceptive use patterns among women veterans using the VA for primary care; determine which subpopulations of women veterans are at particularly high risk for unintended pregnancy; and identify key barriers to contraceptive use by various subpopulations.

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: 04/11-06/21

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.

Healthy Steps for Older Adults: A Statewide (PA) Approach to Preventing Falls

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Robert Keene, *SRP, UCSUR*
Steven Albert, *Behavioral and Community Health Sciences*
Funder: Research Development Fund
Period: 07/14-present

UCSUR is using an Interactive Voice Response (IVR) system to track balance, falls, activity, and hospital visits monthly over the course of 6 months.

Impact of Greenspace Improvement on Physical Activity in a Low-Income Community

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Tamara Dubowitz, *RAND Corporation*
Funder: National Institutes of Health
Period: 07/12-04/17

Interviewer training, data management, and technical support in a study of the impact of neighborhood greenspace renovation and other sustainable development on physical activity in 1600 residents of low-income neighborhoods.

Improving the Availability of Younger Unrelated Hematopoietic Stem Cell Donors

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Galen Switzer, *Medicine*
Funder: National Institutes of Health
Period: 04/16-04/21

Web survey of several hundred younger potential unrelated hematopoietic stem cell donors (aged 18-30) with the ultimate goal of improving availability of this younger donor group.

Increasing Equity in Transplant Evaluation and 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: 09/14-07/19

A telephone interview data collection effort of kidney transplant patients. The goals of the study are to: help pave the way for transplant centers to implement a fast-track system at their sites, improve quality of care by transplanting a larger number of vulnerable patients, and help address stark race/ethnic disparities in rates of LDKT.

International Comparisons of the Role of Race and Ethnicity in HSC Donation Decisions– US & UK

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Galen Switzer, *Medicine*
Funder: Anthony Nolan Trust
Period: 02/13-01/16

Telephone interviews with up to 500 potential stem cell donors to explore the role of culturally-based traditions/beliefs (e.g., medical mistrust, religious beliefs) in potential donors' decisions of whether or not to donate.

Melanopsin Photosensitivity and Psychopathology

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Kathryn Roecklein, *Psychology*
Funder: National Institutes of Health
Period: 09/14-05/19

Telephone recruitment of N=130 persons with seasonal affective disorder.

(Projects, continued)

National Consortium on Alcohol and NeuroDevelopment in Adolescence: Pittsburgh

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Duncan Clark, *Psychiatry*
Funder: *National Institutes of Health*
Period: *09/12-06/17*

Recruitment of 160 community families (a parent and adolescent) to study the effects of alcohol use on brain development.

On the Move: Optimizing Participation in Group Exercise

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Robert Keene, *SRP, UCSUR*
Jennifer Brach, *Health and Rehabilitation Sciences*
Funder: *Patient-Centered Outcomes Research Institute*
Period: *10/14-present*

SRP is using Interactive Voice Response (IVR) among group exercise participants to track falls, activity, and hospital visits monthly over the course of 1 year.

Perspectives on Sustainable Water Management in Latin American Cities

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Marcela Gonzalez Rivas, *GSPIA*
Funder: *GSPIA*
Period: *10/15-12/16*

Web survey regarding sustainable water management of N=150 officials in several Latin American cities.

Pittsburgh Diversity Survey

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Melanie Harrington, *Vibrant Pittsburgh*
Funder: *Vibrant Pittsburgh*
Period: *04/15-12/15*

Web survey of approximately 3,500 local employees and residents of the Pittsburgh region focusing on diversity issues in the workplace and broader community.

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.

Racial and Ethnic Disparities in Satisfaction with VA Care

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Susan Zickmund, *Medicine*
Funder: *VA Health Services Research and Development*
Period: *11/11-09/15*

Telephone surveys of 1350 veterans from a national sample focused on racial disparities in satisfaction with care received through the VA Health Care System.

Quality Matters Impact

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Lorna Kearns, *CIDDE*
Funder: *Quality Matters*
Period: *08/15-11/15*

Web survey of several thousand participants in QM professional development workshops regarding the impact of the workshops on their professional/pedagogical practice.

Social Integration, Daily Social Interaction, and Health Risk Pathways in Midlife

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Thomas Kamarck, *Psychology*
Funder: *National Institutes of Health*
Period: *04/14-03/19*

Telephone recruitment of 400 healthy adults to participate in a study about social interactions, stress, and health.

Targeted Interventions to Prevent Chronic Lower Back Pain (TARGET Trial)

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Anthony Delitto, *School of Health and Rehabilitation Sciences*
Funder: Patient-Centered Outcomes Research Institute
Period: 07/15-09/20

Surveys (web and phone) of 12,000 patients (across 5 sites) at 6 and 12 months after an initial doctor's visit for lower back pain.

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 web-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.

Understanding Barriers to Access, Adoption and Effective Use of Patient Portals by Older Adults to Promote Engagement in Their Health Care

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Janet Schlarb, *SRP, UCSUR*
Annette De Vito Dabbs, *School of Nursing*
Funder: Aging Institute / Health Policy Institute
Period: 06/15-05/16

Telephone survey of 100 older adults about general issues related to engagement in their health care and use of technology for health care. A subset of the respondents was recruited for in-depth follow-up focus groups.

USE: User Security Behavior

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Stephen Strotmeyer, *SRP, UCSUR*
Rahul Telang, *Carnegie Mellon University*
Funder: National Security Agency
Period: 07/12-06/16

Telephone recruitment of 600 participants over three years for a panel study of real world internet computer security behavior.

Wheelchair Registry

Principal Investigators: **Scott Beach,** *SRP, UCSUR*
Robert Keene, *SRP, UCSUR*
Rory Cooper, *Human Engineering Research Laboratories*
Funder: Human Engineering Research Laboratories
Period: 01/14-present

This project helps the Human Engineering Research Laboratories (HERL) at the University of Pittsburgh efficiently and securely register and track participants in a wheelchair registry for research participation. The system involves a custom database working in conjunction with an online survey instrument for data collection and maintenance.

Evaluating the Impact of Energy Conservation Education on Energy Use in the Detroit, Michigan Area

Principal Investigator: **Michael Blackhurst,** *URA, UCSUR*
Funder: EcoWorks Detroit
Period: 04/16-03/17

This project will assess the impact of energy conservation training on energy use in the Detroit, Michigan area.

Green Infrastructure Implementation

Principal Investigator: **Michael Blackhurst,** *URA, UCSUR*
Funder: Heinz Foundation
Period: 01/16-12/16

This project will identify locations in the City of Pittsburgh accommodating parcel scale green stormwater infrastructure and estimating their cost effectiveness.

Neighborhood Attraction Factors Impacting the Young Professional African American Population in the City of Pittsburgh

Principal Investigators: **Christopher Briem,** *URA, UCSUR*
Scott Beach, *SRP, UCSUR*
Donald Musa, *QDAP, UCSUR*
Funder: POISE Foundation
Period: 07/15-02/16

A study of factors influencing the choice of residence of young professional African Americans in the City of Pittsburgh.

(Projects, continued)

Advancing Entrepreneurship in the Mon Valley

Principal
Investigator: **Sabina Deitrick,** *URA, UCSUR*
Funder: *Economic Development Administration U.S. Department of Commerce*
Period: *09/13-03/16*

UCSUR and the Institute for Entrepreneurial Excellence provide consulting, education, connections, and research to existing small business owners and emerging entrepreneurs in the Mon Valley Region.

Connecting People and Place: Improving Communities Through Integrated Data Systems

Principal
Investigator: **Sabina Deitrick,** *URA, UCSUR*
Funder: *Annie E. Casey Foundation*
Period: *09/13-09/15*

Collaborate with the Allegheny County Department of Human Services and its integrated data system, the DHS Data Warehouse, to focus on school absenteeism in three area school districts

Data Use and Evaluation Project

Principal
Investigator: **Sabina Deitrick,** *URA, UCSUR*
Funder: *The Pittsburgh Foundation*
Period: *09/14-08/15*

UCSUR is working with LISC, Success Measures, and three neighborhood organizations on a pilot study of neighborhood indicator use and implementation.

Southwestern Pennsylvania Community Profiles

Principal
Investigator: **Sabina Deitrick,** *URA, UCSUR*
Funder: *Allegheny County Department of Human Services Integrated Fund*
Period: *ongoing*

Web-based software tool to present community data and indicators through visualizations, including tables, maps, graphs and charts for 10 counties of Southwestern Pennsylvania.

Southwestern Pennsylvania Community Profiles

Principal
Investigator: **Robert Gradeck,** *URA, UCSUR*
Funder: *PNC*
Period: *01/15-12/15*

UCSUR secured support from PNC to continue to collect, update, transform, and aggregate data for use in the profiles, promote the availability of the tool, and provide training and technical assistance to support use of the tool.

Western Pennsylvania Regional Data Center

Principal
Investigator: **Robert Gradeck,** *URA, UCSUR*
Funders: *R.K. Mellon Foundation; University of Pittsburgh*
Period: *ongoing*

The Data Center supports key community initiatives by making public information easier to find and use. The Data Center is managed by UCSUR, and is in partnership with Allegheny County and the City of Pittsburgh.

Regional Indicators Project: PittsburghToday.org

Principal
Investigator: **Douglas Heuck,** *URA, UCSUR*
Funders: *Hillman Foundation; Anonymous; Richard King Mellon Foundation; Claude Worthington Benedum Foundation*
Period: *ongoing*

The Regional Indicators Project: PittsburghToday.org is an in-depth journalism and regional indicators program that compares Greater Pittsburgh with 14 other regions on hundreds of measures. Since its inception, hundreds of reports have been published on key regional quality of life issues.

A Tailored Technology Intervention for Diverse Family Caregivers of AD Patients

Principal
Investigators: **Judith Matthews,** *Gerontology, UCSUR*
Sara Czaja, *University of Miami*
Richard Schulz, *Gerontology, UCSUR*
Funder: *National Institute of Nursing Research*
Period: *04/13-03/18*

This investigation focusing on gathering systematic data on the acceptability and efficacy of a unique technology-based, culturally-tailored psycho-social intervention program that targets ethnically/culturally diverse family caregivers of patients with Alzheimer's Disease.

Hub for Excellence in eHealth Research

Director: **Lora E. Burke,** *Nursing*
Principal
Investigators: **Judith Matthews,** *Gerontology, UCSUR*
Susan Sereika, *Nursing*
Annette DeVito Dabbs, *Nursing*
Denise Charron-Prochownik, *Nursing*
Eileen Chasens, *Nursing*
Heidi Donovan, *Nursing*
Funder: *University of Pittsburgh, School of Nursing*
Period: *07/13-08/15*

The eHealth Hub provides an infrastructure for sharing dissimilar methodologies and perspectives among novice and established researchers, to advance their efforts toward scientific discovery in this highly dynamic field.

Self-management via Health Kiosk by Community-residing Older Adults

Principal Investigators: **Judith Matthews,** *Gerontology, UCSUR*
Scott Beach, *SRP, UCSUR*
Daniel Buysse, *Psychiartry*
Karen Courtney, *University of Victoria*
Sandra Engberg, *Nursing*
Rachel Hess, *University of Utah*
Jennifer Lingler, *Nursing*
Kathleen McTigue, *Internal Medicine*
Lisa Morrow, *Psychiatry*
Richard Schulz, *Gerontology, UCSUR*
Marjorie Skubic, *University of Missouri*
Asim Smailagic, *Carnegie Mellon University*
Jessie Van Swearingen, *Physical Therapy*
Funder: *Agency for Healthcare Research and Quality*
Period: *09/14-09/19*

This project will study older adults' views, motivations, and patterns of use of an adaptive, community-based, multi-user health kiosk over 18 months of study participation. The goal is to understand how and why older adults use a health kiosk to live a healthier lifestyle and monitor and manage selected chronic conditions.

Penn Hills Neighborhood Stabilization

Principal Investigator: **Elizabeth Monk,** *URA, UCSUR*
Funder: *Municipality of Penn Hills*
Period: *07/15-07/16*

Provide support to implement and analyze a parcel survey in Frankstown - West neighborhood in order to help guide community improvement efforts.

Southwestern Pennsylvania Community Profiles – Community Outreach

Principal Investigator: **Elizabeth Monk,** *URA, UCSUR*
Funder: *Jefferson Regional Foundation*
Period: *04/15-04/16*

Support for organizations working with the Jefferson Regional Foundation through trainings, technical assistance, and developing accessible and useful data applications.

An In-Depth Assessment of Patient Factors that Affect One's Choice to Accept or Decline an AICD

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Amber Johnson, *Cardiology*
Funder: *Department Funds*
Period: *02/16-present*

Transcription and coding of interviews with patients regarding factors that affect their choice to accept or decline an automatic implantable cardioverter-defibrillator (AICD).

Capturing the Therapist's Perspective of the UPMC Centers for Rehab Services (CRS) Low Back Initiative

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Joel Stevans, *Physical Therapy*
Funder: *UPMC*
Period: *03/16-07/16*

Recruitment, collection, transcription, coding and reporting of interviews with physical therapists regarding their adherence to evidence-based treatment of low back pain.

Collaborative Research: Assessing the Spectrum of International Undergraduate Engineering Educational Experiences

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Mary Besterfield-Sacre, *Industrial Engineering*
Funder: *National Science Foundation*
Period: *05/15-05/16*

Transcription of interviews with engineering undergraduate students to explore how international experiences both in and outside of formal curricula impact their global competency.

(Projects, continued)

Engaging Pediatric Patients in Counseling and Medication Therapy Management Services; and OTC Sleep Aids: Older Adult Medication-Taking Behavior and Safety Risks

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Olufunmilola Abraham, *Pharmacy*
Funder: *Community Pharmacy Foundation*
Period: *05/15-08/15*

Transcription and coding of interviews with pediatric patients, their caregivers and pharmacists regarding barriers and facilitators to engaging children in Medication Therapy Management (MTM) services. Transcription and coding of interviews with older adults regarding their use of OTC sleep medications to develop patient-centered interventions for safe and appropriate use.

Examining Contraceptive Use and Unmet Need Among Women Veterans

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Sonya Borrero, *VA Pittsburgh*
Funder: *Veterans Administration*
Period: *05/15-11/15*

Transcription of interviews with female veterans regarding contraception use, types of methods used, unmet need for contraception and rate of unintended pregnancy.

Exploring the Understanding of and Preparedness for the Palliative Care Experience of Idiopathic Pulmonary Fibrosis (IPF)

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Kathy Lindell, *Dorothy P. & Richard P. Simmons Center for Interstitial Lung Disease at UPMC*
Funder: *Leslie Hoffman Award, School of Nursing*
Period: *02/15-07/15*

Transcription and coding of focus groups with IPF patients, current caregivers and caregivers of decedents regarding their understanding of and preparedness for the course of this life limiting illness.

Feasibility Testing of a Decision Aid to Support Shared Decision Making about Invasive Mechanical Ventilation in Severe COPD

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Negin Hajizadeh, *North Shore Long Island Jewish Health System*
Funder: *National Institutes of Health*
Period: *02/15-10/15*

Transcription of interviews and focus groups with COPD patients and caregivers about using a Web-based tool as a decision aid, and information needed for end of life/advance care planning decisions.

From Periphery to Center: Transitioning Public Art Practices in Contemporary Mexico

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Caitlin Bruce, *Communication*
Funder: *Hewlett International Grant, UCIS*
Period: *07/15-present*

Spanish transcription of interviews that explore how a city sponsored graffiti program in León Guanajuato, Mexico impacts graffiti artists' civic status.

Identifying Patient-Centered Sexual Health Outcomes in Midlife Women

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Wishwa Kapoor, *Medicine*
Funder: *Agency for Healthcare Research and Quality*
Period: *12/14-07/15*

Transcription of interviews and focus groups with midlife women regarding their definitions of sexual satisfaction and the sexual health outcomes that they find most important.

Improving Medication Safety for Nursing Home Residents Prescribed Antidepressants

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Richard Boyce, *Biomedical Informatics*
Funder: *National Institute on Aging*
Period: *12/15-present*

Transcription, coding and analysis of interviews and observations with/of nursing home staff regarding adverse drug event risk due to potential drug-drug interactions among nursing home residents.

Justice in the Gaps: School Leaders' Ethical Dispositions Toward the Opportunity Gap

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Michael Gunzenhauser, *School of Education*
Funder: *Professional Development Funds*
Period: *02/16-06/16*

Transcription of interviews with public school leaders in urban schools, inner-ring suburban schools and outer-ring suburban schools that explore how school leaders define and respond to differential achievement by students of color and students living in poverty.

Racial Comparison of Symptoms and Outcomes During Chemotherapy for Breast Cancer

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Margaret Rosenzweig, *School of Nursing*
Funder: *School of Nursing Office of the Dean*
Period: *02/14-8/15*

Transcription and coding of conversations between breast cancer patients and their oncology healthcare provider pertaining to the patients' experiences with chemotherapy side effects and the decisions made as to how to best manage those side effects.

Review of Grant Proposal Summary Sheets

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Jacqueline Dunbar-Jacob, *School of Nursing*
Funder: *School of Nursing Hard Money Funds*
Period: *02/15-05/16*

Coding of grant proposal summary sheets to see if there are any systematic problems with proposals that are being submitted by School of Nursing faculty.

Strategies to Improve Medical Care

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Rebecca Etz, *Virginia Commonwealth University*
Funders: *National Institute of Diabetes and Digestive and Kidney Diseases;*
Virginia Commonwealth University Faculty Excellence Funds
Period: *05/14-09/15*

Transcription for five projects addressing medical care improvement issues: Patient-Centered Medical Home, Care Coordination, Neighborhood Engagement, Hotspotting, and Registry-Based Care.

Texting to Reduce Alcohol Consumption (TRAC)

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Brian Suffoletto, *Emergency Medicine*
Funder: *National Institute on Alcohol Abuse and Alcoholism*
Period: *09/14-present*

Transcription and coding of interviews with young adults with past binge drinking to identify preferences for a mobile-phone delivered intervention, and barriers and solutions to text message dialogue supporting self-regulation with young adults during drinking episodes.

Transcription for Patient-Centered Medical Homes Projects

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Benjamin Crabtree, *Rutgers University*
Funders: *National Cancer Institute;*
Agency for Healthcare Research and Quality
Period: *03/15-10/15*

Transcription for two projects addressing issues concerning Patient-Centered Medical Homes.

Transcription Projects for Mathematica Policy Research, Inc.

Principal Investigators: **Donald Musa,** *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Cara Orfield, *Mathematica Policy Research, Inc.*
Jesse Crosson, *Mathematica Policy Research, Inc.*
Linda Barterian, *Mathematica Policy Research, Inc.*
Leslie Foster, *Mathematica Policy Research, Inc.*
Dana Petersen, *Mathematica Policy Research, Inc.*
Funders: *The Atlantic Philanthropies, Robert Wood Johnson Foundation, Centers for Medicare & Medicaid Services and David and Lucile Packard Foundation*
Period: *05/13-present*

Transcription for seven projects addressing a variety of policy and health care issues

(Projects, continued)

Twenty-one Smaller Short-Term Transcription Projects with a Variety of Investigators and Funders

Principal
Investigators: **Donald Musa,** *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
David Halpern, *QDAP, UCSUR*
Period: *07/15-06/16*

Twenty-one smaller, short-term transcription projects with a variety of internal and external investigators and a range of funders.

Understanding Barriers to Access and Effective Use of Patient Portals to Promote Engagement of Older Adults in Their Health Care

Principal
Investigators: **Donald Musa,** *QDAP, UCSUR*
Laurel Person Mecca, *QDAP, UCSUR*
Kevan Schultz, *QDAP, UCSUR*
Annette DeVito Dabbs, *School of Nursing*
Funder: *Health Policy Institute; CTSI*
Period: *08/15-01/16*

Project design, recruitment, collection and transcription of focus groups with older adults regarding what it means for them to be engaged in their health care and the adequacy of the typical patient-facing features of patient portals for supporting the engagement of older adults in their health care.

A Randomized Pilot Study of Behavioral Self-monitoring to Promote Mental Health Among Spousally Bereaved Older Adults

Co-Mentor: **Richard Schulz,** *Gerontology, UCSUR*
Principal
Investigator: **Sarah Stahl,** *Psychiatry*
Funder: *National Institutes of Health*
Period: *02/15-01/19*

The purpose of this research is to gather evidence for the feasibility of a behavioral intervention to prevent the onset or delay the progression of depression, anxiety, and/or complicated grief disorder(s) in adults who experience late-life spousal bereavement.

A Tailored Technology Intervention for Diverse Family Caregivers of AD Patients

Principal
Investigators: **Richard Schulz,** *Gerontology, UCSUR*
Sara Czaja, *University of Miami*
Co-
Investigators: **Judith Matthews,** *Gerontology, UCSUR*
Funder: *National Institute of Nursing Research*
Period: *04/13-03/18*

The aims of this project are to evaluate the acceptability and efficacy of a culturally tailored technology-based psychosocial intervention for reducing the stress and burden and enhancing quality of life of diverse family caregivers of AD patients. The target population is Black/African American, Hispanic, and White non-Hispanic family caregivers of AD patients.

Geriatric Workforce Enhancement Program

Principal
Investigator: **Richard Schulz,** *Gerontology, UCSUR*
Cross Project
Coordinator: **Judith Matthews**
Funder: *Health Resources and Services Administration*
Period: *07/15-06/18*

The Geriatrics Workforce Enhancement Program (GWEP) is a consortium of the University of Pittsburgh, the VA Pittsburgh Healthcare System, Penn State University, and UPMC, with Pitt as the lead institution. Through this collaboration we are able to provide inter-professional training and access to resources for older adults and their families throughout HHS Region III.

Smartcare: Innovations in Caregiving Interventions

Principal
Investigators: **Richard Schulz,** *Gerontology, UCSUR*
Paula Sherwood, *Nursing*
Funder: *National Institute of Nursing Research*
Period: *09/12-06/17*

The study addresses research priorities set by both NCI and NINR to improve the quality of life of patients and their families and NINR's emphasis on integrating bio-behavioral science and adopting, adapting and generating new technologies.

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 competitiveness 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 2015–16

Journals

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