

Cornell University Program on Applied Demographics

CaRDI Spring Research Roundtable

April 6, 2009



Mission Statement

- The Program on Applied Demographics (PAD) --through its skills in demographics, economics, statistics, GIS, data gathering and data analysis -- serves to provide a variety of organizations, institutions and agencies in the public and private sector with data, analysis, corollary information, recommendations and advice.

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Mission Statement

- PAD achieves this goal through application of
 - demographics methods and techniques,
 - statistical analysis and
 - geographic information systems
- to the latest economic and population trends as well as vital statistic estimates.

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Support

- PAD is supported through grants, the primary ones being with the New York State Department of Economic Development, but supplemented by subcontracts with other on-campus and off-campus research.
- It is administratively housed in the Bronfenbrenner Life Course Center and physically located in Beebe Hall on the Cornell Campus.

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Cooperators

- PAD works closely with
 - the New York State Department of Economic Development,
 - the State Data Center and its Affiliates,
 - the U.S. Census Bureau,
 - the New York State Department of Health
 - other on-campus and off-campus organizations to assist them with demographic data and analysis in their activities.

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Cooperators

- On campus PAD works with
 - Bronfenbrenner Life Course Center
 - Cornell Population Program
 - Cornell Institute for Social and Economic Research
 - Community and Regional Development Institute
 - Industrial and Labor Relations' Disability Institute
 - Cornell Rural Schools Center.

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New Ventures

- On campus PAD exploring participation with
 - Cornell Center for Sustainable Future
 - FNET and nutrition researchers
 - (your name here)

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Staff

- Joe D. Francis, Director of PAD
- Jan K. Vink, Research Support Specialist
- Mary H. (Suzy) Smith, Research Support Specialist
- Nij Tontisirin, Research Assistant/GIS Specialist

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Business Plan for 2009

- Continue the excellent work begun by Brown, Vink and Smith in applied demographics.
- Fulfill current contract obligations to the NYS Dept. of Economic Development/NYS State Data Center:
 - Produce population estimates and projections
 - Represent New York State in the FSCPE 2010 Census Count Review Program for living quarters and group quarters.

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Business Plan for 2009

- Increase the visibility of PADs work both on-campus and off-campus.
- Establish ties with the newly formed Cornell Population Program
- Increase the use of GIS/spatial analysis in demographic estimation and analysis.
- Expand expertise with American Community Survey

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Highlights of Current Activities

- PAD current activities revolve around five main foci:
 1. Provision of population, housing and vital statistics estimates and projections
 2. NYS Representative to Census Bureau via various committees
 3. Compellation of Group Quarters Report
 4. Provision of data and analysis to other projects
 5. Outreach

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Highlights of Current Activities

- For NYS Economic Development (State Data Center)
 - Estimates
 - Projections
 - Provide Census Bureau and NYS State Data Center Affiliates with information as requested
 - Assist Counties and other governmental units in challenges to the Census Bureau estimates

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Highlights of Current Activities

- For NYS Economic Development /State Data Center
 - NY representative for FSCPE
 - sub committee on count review
 - sub committee on Group Quarters
 - Review Census Bureau estimates
 - Housing Units
 - County population estimates
 - Sub-County population estimates

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Highlights of Current Activities

- Economic development
 - Pipeline for Progress (in cooperation with CaRDI)
 - Provide calculations of regional competitive and share analysis for Southern Tier Counties
- NY state association of Counties
- Regional Analysis of quarterly census employment and wages (QCEW)
 - Regional competitiveness and share analysis

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Highlights of Current Activities

- Outreach
 - Coordinating role in State Data Center Affiliates Organization
 - Provide information to newspapers, news casters, other researchers, etc.
 - Respond to inquiries from faculty

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PAD Website

- At the core of the Cornell Program on Applied Demographics is its Website.
- It is the main vehicle for display of our research results and a key vehicle for outreach activities beyond responding to direct inquiries such as illustrated above from off campus and on campus.
- The homepage URL is <http://pad.human.cornell.edu/>

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Cornell University
College of Human Ecology

SEARCH: go

CHE Cornell

ADMISSIONS ACADEMICS RESEARCH OUTREACH ADMINISTRATION PEOPLE ALUMNI REGISTRAR

Program on Applied Demographics

Home

About PAD

Data

Workshops

Publications

News

Related Resources

PADinfo@cornell.edu

PAD Home

CHE Home > BLCC > PAD Home

The Program on Applied Demographics (PAD) at Cornell University applies demographics methods and techniques to the latest economic and population trends to provide data and recommendations to institutions and agencies in the public and private sector.

The menu bar on the left side takes you to the following information:

- [About PAD](#) More information on PAD and its activities
- [Data](#) A selection of data produced or analyzed by PAD
- [Workshops](#) An agenda of the workshops organized by PAD staff

PAD Website

- Website
 - Page views: around 1,000/month
 - Being used by Union College Courses
 - Hits from several Universities and Colleges
 - Most Popular Page on PAD Website:
 - che/BLCC/pad/data/projections.cfm

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New Developments

- Objective 1: Continuing Current Activities
 - Renew contract with NYS Dept. of Economic Development to provide
 - Statewide, county and sub-county population estimates and projections,
 - Annual Group Quarters report.
 - Participate on various FSCPE committee
 - Discuss new contract with NYS DED for conducting the Census Recount, involving preparatory activities for the 2010 Census and verification activities post 2010 Census data collection.

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New Developments

- Objective 1: Continuing Current Activities
 - Renew agreement with NYS Dept. of Health, Bureau of Biometrics, to secure Vital Statistics Data for 2007, in fulfillment of contract with NYS Dept. of Economic Development.
 - Involves cooperation with Cornell Restricted Access Data Center

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New Developments

- Objective 2: Increasing Visibility of PAD
 - Review design of PAD website to highlight better our various activities.
 - Take active role promoting use of PAD unrestricted data, estimates & projections by other researchers and teachers.

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New Developments

- Objective 3: Strengthening ties with Cornell Population Program
 - Involvement in CPP's Research Working Groups
 - Make presentation to CPP's Migration Interest Group
 - Generate and share Working Papers on population analysis topics

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New Developments

- Objective 4: Increase Use of GIS/Spatial Analysis
 - Increase use of maps and spatial statistics for all project activities.
 - Develop pilot project for creating a NYS Master Address File using Remote Sensing, Street Centerline Files and Real Property Tax Roles.

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New Developments

- Objective 5: Expand Expertise with ACS
 - Recently added an ACS Calculator to PAD website to perform calculations with values and MOE as published in ACS results.
 - Papers illustrating use of ACS
 - Proposal to Use ACS along with school enrollment projections to study influences of community characteristics on school districts and vice versa.

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Census Preparation

Master Address File

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Web: <http://pad.human.cornell.edu>

Email: PADInfo@Cornell.edu

Master Address File (MAF)

- Determines who gets a Census questionnaire
- Sample frame for American Community Survey
- Article 13

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Master Address File (MAF)

- Based on Census 2000 MAF
 - Updated with
 - Postal Sequence Delivery
 - New construction
- Closely related to TIGER
 - Topologically Integrated Geographic Encoding and Referencing system

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Master Address File (MAF)

- Reviews:
 - March 2007: LUCA
 - April, May 2009: Address Canvassing
 - End 2009: LUCA Appeal
 - Begin 2010: FSCPE Count Review

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LUCA

- Local Update of Census Addresses
- Lower levels of government
- Optional

- Many addresses flagged as missing

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Canvassing

- Temporary Census Bureau workers
- Handheld GPS systems
- Will add latitude and longitude to the addresses
- Not sure if they will make changes to TIGER

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LUCA appeal

- Feedback to participating agencies
 - Addresses that were indicated as missing, but that are not found by the canvassers
 - Addresses that were deleted after the LUCA
 - Local agencies have a change to proof existence, CB accepts or rejects. In case of reject OMB decided

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FSCPE Count Review

Census 2000:

- Only Group Quarters
- Too late in the process to correct published census tables

Census 2010:

- Housing units review before Census
- Group Quarters after Census

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FSCPE Count Review

Housing units:

- FSCPE members compile state address lists
- State address lists will be compared to MAF
- If state can proof >50 units missing in a cluster, CB will send a census taker to verify and interview

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FSCPE Count Review

- State address list generated from Real Property data in combination with other sources
- Pilot study for Tompkins County

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Group Quarters

- LUCA and canvassing
- FSCPE count review in August 2010
- Early look at collected GQ counts
- Only large GQ
- Look for misallocations and missing GQs
- If missing GQs are detected, GQ population will be 'generated'

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Group Quarters

- Data verification through web application

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