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BIBLIOGRAPHY ON COVERAGE EVALUATION STUDIES

by

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Bibliography on Coverage Evaluation Studies

1949

Chandrasekar, C. and W. Edwards Deming, March 1949. "On a Method of Estimating Birth and Death Rates and the Extent of Registration," Journal of the American Statistical Association, Vol. 44: pp. 101-115.

1953

Hansen, Morris H., William N. Hurwitz, and William G. Madow, 1953. Sample Survey Methods and Theory, John Wiley and Sons, Inc., New York.

1955

Coale, Ansley J., March, 1955. "The Population of the United States in 1950 Classified by Age, Sex, and Color - A Revision of Census Figures," Journal of the American Statistical Association, Vol. 50: pp. 16-54.

1959

Darroch, J. N., 1959. "The Multiple-Recapture Census II. Estimation When There is Immigration or Death," Biometrika, No. 46, pp. 336-351.

Sen, P. K., 1959. "On the Estimation of the Population Size by Capture-Recapture Method," Calcutta Statistical Association, Bulletin 9, pp. 93-110.

1960

Marks, Eli S., and Joseph Waksberg, 1960. "Evaluation of Coverage in the 1960 Census of Population Through Case by Case Checking," Proceedings of the Social Statistics Section: 1960, American Statistical Association, pp. 62-70.
"Discussion," Mauldin, W. Parker, pp. 89-90.

Siegel, Jacob S. and Melvin Zelnik, 1960. "An Evaluation of Coverage in the 1960 Census of Population by Techniques of Demographic Analysis and by Composite Methods," Proceedings of the Social Statistics Section: 1960, American Statistical Association, pp. 71-85.
"Discussion," Steinberg, Joseph, pp. 86-88.

U.S. Bureau of the Census, 1960. "The Post-Enumeration Survey: 1950," Technical Paper No. 4, Washington, D.C.

1961

Hansen, Morris H., William N. Hurwitz, and Max A. Boeshad, 1961. "Measurement Errors in Censuses and Surveys," Bulletin of International Statistical Institute 38, part 2, Tokyo, Japan, International Statistical Institute.

1963

Coale, Ansley J. and Melvin Zelnik, 1963. New Estimates of Fertility and Population in the United States, Princeton, N.J., Princeton University Press.

1964

Bogue, Donald J., Bhaskar D. Misra, and D. P. Dandekar, 1964. "A New Estimate of the Negro Population and Negro Vital Rates in the United States, 1930-60," Demography, Volume I: pp. 339-358,

Taeuber, Conrad and Morris H. Hansen, 1964. "A Preliminary Evaluation of the 1960 Censuses of Population and Housing," Demography, Vol. 1, No. 1: pp. 1-13.

U.S. Bureau of the Census, 1964. "Evaluation and Research Program of the U.S. Censuses of Population and Housing, 1960: Accuracy of Data on Population Characteristics as Measured by CPS-Census Match". Series ER60, no. 5. Washington, D.C.

U.S. Bureau of the Census, 1964. "Evaluation and Research Program of the U.S. Censuses of Population and Housing, 1960: Accuracy of Data on Population Characteristics as Measured by Reinterviews". Series ER60, no. 4. Washington D.C.

U.S. Bureau of the Census, 1964. "Evaluation and Research Program of the U.S. Censuses of Population and Housing, 1960: Background, Procedures, and Forms". Series ER60, no. 1. Washington, D.C.

U.S. Bureau of the Census, 1964. "Record Check Studies of Population Coverage," Series ER60, No. 2, Washington, D.C.

1965

Kish, L., 1965. Survey Sampling, New York: Wiley.

Perkins, W. M. and C. D. Jones, 1965. "Matching for Census Coverage Checks," Proceedings of the Social Statistics Section: 1965, American Statistical Association, pp. 122-139.

1966

Marks, Eli S. and Joseph Waksberg, 1966. "Evaluation of Coverage in the 1960 Census of Population Through Case-by-Case Checking," Proceedings of the Social Statistics Section: 1966, American Statistical Association.

Siegel, Jacob S., 1966. "An Evaluation of Coverage in the 1960 Census of Population by Techniques of Demographic Analysis and by Composite Methods," Proceedings of the Social Statistics Section: 1966, American Statistical Association.

1968

Jabine, Tom B. and Max A. Bershad, 1968. "Some Comments on the Chandrasekar-Deming Technique for the Measurement of Population Change." Paper prepared for the CENTO Symposium on Demographic Statistics, Karachi, Pakistan.

Siegel, Jacob S. and David M. Heer, 1968. "Completeness of Coverage of the Nonwhite Population in the 1960 Census and Current Estimates, and Some Implications," Social Statistics and the City, Joint Center for Urban Studies of the Massachusetts Institute of Technology and Harvard University, Cambridge, Massachusetts.

1969

Seltzer, William and Arjun Adlakha, 1969. "On the Effect of Errors in the Application of the Chandrasekar-Deming Technique." Paper prepared for the Population Council Seminar on the Chandrasekar-Deming Technique: Theory and Application, New York.

1970

Hansen, Morris H. and Joseph Waksberg, 1970. "Research and Non-Sampling Errors in Censuses and Surveys," Review of the International Statistical Institute 38, no. 3, pp. 317-332.

1971

National Academy of Sciences, 1971. America's Uncounted People, Washington, D.C.

Novoa, Ralph (preparer), October 21, 1971. "1970 Census, Preliminary Evaluation Results," Memorandum No. 21. Subject: Testing Census Coverage Through Drivers' Licenses (E22-No.2) U.S. Bureau of the Census.

1972

Goodman, Leo A., 1972. "A General Model for the Analysis of Surveys," American Journal of Sociology, 77, pp. 1035-86.

Siegel, Jacob S., July 2, 1972. Memorandum for Meyer Zitter. Subject: Evaluation of 100% Items in 1970 Census: Substitutions and Allocations. U.S. Bureau of the Census.

1973

Coale, Ansley J. and Norfleet W. Rives, Jr., January 1973. "A Statistical Reconstruction of the Black Population of the United States, 1880-1970: Estimates of True Numbers by Age and Sex, Birth Rates, and Total Fertility," Population Index, Vol. 39, No. 1: pp. 3-36

Jones, Charles D., October 5, 1973. Memorandum for Morton Boisen, Chief, Statistical Methods Division. Subject: Proposed Longitudinal Study to Estimate 1980 Census Coverage, U.S. Bureau of the Census.

Savage, I. R. and B. Windnam, 1973. "Effects of Bias Removal in Official Use of United States Census Counts." The Florida State University, Department of Statistics, Tallahassee, Florida.

1974

Ericksen, Eugene, 1974. "A Regression Method for Estimating Population Changes of Local Areas," Journal of the American Statistical Association, Volume 69, Number 348: pp. 867-875.

Fay, Robert E., June 1974. "Statistical Considerations in Estimating the Current Population of the United States," Ph.D. Dissertation, Department of Statistics, University of Chicago, Chicago, Illinois.

Marks, Eli S., 1974. "Methods of Evaluating Population and Housing Census Results," Handbook of Population and Census Methods Part V, United Nations, New York.

Marks, Eli S., William Seltzer, and Karol J. Krotki, 1974. Population Growth Estimation, The Population Council, New York.

Seltzer, William and Arjun Adlakha, April 1974. "On the Effect of Errors in the Application of the Chandrasekar-Deming Technique," Laboratories for Population Statistics Reprint Series No. 14. University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Siegel, Jacob, 1974. "Estimates of Coverage of the Population by Sex, Race, and Age in the 1970 Census," Demography, Vol. 11: pp. 1-23.

Siegel, Jacob S., 1974. "Estimates of Coverage of the Population by Sex, Race, and Age: Demographic Analysis," U.S. Bureau of the Census, Census of Population and Housing: 1970, Evaluation and Research Program PHC(E)-4.

1975

Blass, Richard F., January 28, 1975. Memorandum for Jacob Siegel, Senior Statistician For Demographic Research and Analysis. Subject: Estimates of Population Undercoverage in the 1970 Census Reflecting Adjustments Made to the Population Count During Census Processing. U.S. Bureau of the Census.

Jones, Charles and Richard F. Blass, January 10, 1975. "Population Undercoverage Estimates from the CPS-Census Match." Preliminary Evaluation Results Memorandum No. 51. U.S. Bureau of the Census.

Jones, Charles, January 17, 1975. Memorandum for Hal Nisselson, Chairman, 1980 Census Coverage Committee. Subject: Population Undercoverage Estimates from the CPS-Census Match. U.S. Bureau of the Census.

Siegel, Jacob S., August, 1975. "Coverage of Population in the 1970 Census and Some Implications for Public Programs," U.S. Bureau of the Census, Current Population Report, Series P-23, No. 56.

Yesilcay, Y., October 1975. "The Mean Square Error of the Estimate as a Criterion for the Assessment of Alternative Approaches to Matching in a Dual Record System," "University of North Carolina, Institute of Statistics" Mimeo Series No. 1035

1976

Goldfield, Edwin, 1976. "Patching Up the Census," National Research Council Memorandum, unpublished.

Passel, Jeffrey S., August 1976. "Provisional Evaluation of the 1970 Census Count of American Indians," Demography, Volume 13, Number 3: pp. 397-409.

Siegel, Jacob S., September 20, 1976. Memorandum for Daniel B. Levine. Subject: Research Proposals for Estimating the Number of Illegal Aliens in the United States.

U.S. General Accounting Office, May 5, 1976. "Programs to Reduce the Decennial Census Undercount," Report by the Comptroller General of the United States, GGD-76-72.

1977

El-Khorazuty, M. Nabil, Pronab Kumar Sen, 1977. "The Capture-Mark-Recapture Strategy As A Method For Estimating the Number of Events In a Human Population with Data from Dependent Sources." Department of Biostatistics, University of North Carolina at Chapel Hill. Chapel Hill, North Carolina.

Passel, Jeffrey S., Norfleet W. Rives, Jr., and J. Gregory Robinson, 1977. "A Regression Method for Estimating the Completeness of Registration of White Births for States," Presented at the Annual Meeting of the Population Association of America.

Siegel, Jacob S., Jeffrey S. Passel, Norfleet W. Rives, Jr., and J. Gregory Robinson, December, 1977. "Developmental Estimates of the Coverage of the Population of States in the 1970 Census: Demographic Analysis," Current Population Reports, Series P-23, No. 76, U.S. Bureau of the Census.

Yuskavage, Robert, David Hirschberg, and Frederick Scheuren, 1977. "The Impact on Personal and Family Income of Adjusting the Current Population Survey for Undercoverage," Proceedings of the Social Statistics Section: 1977, American Statistical Association, pp. 70-80.

1978

Gonzales, Maria E. and Christine Hoza, 1978. "Small-Area Estimation with Application to Unemployment and Housing Estimates," Journal of the American Statistical Association, Vol. 73, Number 361, pp. 7-15.

Gosselin, J. F. and G. J. Brackstone, 1978. "The Measurement of Population Undercoverage in the 1976 Canadian Census Using the Reverse Record Check Method," Proceedings of the Social Statistics Section, American Statistical Association, pp. 230-235.

Lancaster, Clarise and Frederick Scheuren, 1978. "Counting the Uncountable Illegals: Some Initial Statistical Speculations Employing Capture-Recapture Techniques," Proceedings of the Social Statistics Section, 1977: Part I., American Statistical Association, pp. 530-535.

U.S. Bureau of the Census, March, 1978. "An Overview of Population and Housing Census Evaluation Programs Conducted at the U.S. Bureau of the Census," prepared for March 1978 meeting of the Census Advisory Committee of the American Statistical Association, Washington, D.C.

1979

Cowan, Charles D., 1979. Memoranda #1, 2, 3, 4, 5 for David Diskin, Chief, Programming and Computer Systems Branch, Statistical Methods Division. Subject: Dress Rehearsal PES Analysis.

Fay, Robert E. III and Roger Herriot, 1979. "Estimates of Income for Small Places: An Application of James-Stein Procedures to Census Data," Journal of the American Statistical Association, Vol. 74, Number 366, Part I: pp. 261-277.

Heer, D.M., 1979. "What is the Annual Net Flow of Undocumented Mexican Immigrants to the United States?" Demography, Vol. 16, Number 3: pp. 417-423.

Keyfitz, Nathan, 1979. "Information and Allocation: Two Uses of the 1980 Census," The American Statistician, Vol. 33, Number 2 (with discussion): pp. 45-50. Discussion of three approaches to adjusting, with recommendations for synthetic estimation.

"Comment," Nisselson, Harold, and Roberts, Harry V., pp. 50-54.

"Rejoinder," Keyfitz, Nathan, pp. 55-56.

Robinson, J. Gregory and Jacob Siegel, 1979. "Illustrative Assessment of the Impact of Census Underenumeration and Income Underreporting on Revenue Sharing Allocations at the Local Level," Proceedings of the Social Statistics Section, American Statistical Association, pp. 646-656.

Siegel, Jacob S. and Jeffrey S. Passel, March, 1979. "Measuring Coverage of the Hispanic Population of the United States in the 1970 Census by Demographic Analysis," presented at the annual meeting of the Southwestern Social Science Association, Fort Worth, Texas.

U.S. Bureau of the Census, 1979. "Coverage of the Hispanic Population of the United States in the 1970 Census," Current Population Reports, Number 83: Special Studies Series P-23.

U.S. Bureau of the Census, September, 1979. "Proceedings of the Census Undercount Workshop, September 5-8, 1979," Washington, D.C. Government Printing Office.

1980

Alberti, Nick, 1980. Memorandum for Susan Miskura, Assistant Division Chief, Statistical Methods Division. Subject: 1980 Non-Household Sources Summary of Computer Processing (Draft). 1980 Census Series SMD, No. 2-12.

Ballar, Barbara A., October 22, 1980. Memorandum for Committee on Research on Census Coverage Evaluation. Subject: A Proposal for Research, U.S. Bureau of the Census.

Baillar, Barbara A., September 15, 1980. Memorandum for Vincent Barabba, Director,
Subject: Proposed Investigation of Potential Duplication of Households in the 1980
Decennial Census. U.S. Bureau of the Census.

Bate man, David V., January, 1980. "The Evaluation Program for the 1980 Census," U.S.
Bureau of the Census, presented at the meeting of the American Association for
the Advancement of Science, San Francisco, California.

Conference on Census Undercount, July, 1980. Proceedings of the 1980 Conference,
Washington, D.C: Government Printing Office.

- a) "Major Conference Findings" - Conrad Taeuber pp. 3-4
- b) "The Bureau's Agenda on the Undercount Decision" - Vincent Barabba pp. 5-5
- c) "Census Undercount:
Time to Adjust" - Robert Garcia pp. 12-14
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- Leslie Kish pp. 83-87
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- A. P. Dempster and T. J. Tomberlin pp. 88-94
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 Undercount for Counties"
- Robert E. Fay III pp. 95-99
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- Courtenay M. Slater pp. 107-111
- n) "The Synthetic Method: Its Feasibility for Deriving the Census
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- Robert B. Hill pp. 129-141
- o) "The Impact of an Adjustment to the 1980 Census on Congressional
 and Legislative Reapportionment"
- Carl P. Carlucci pp. 145-152
- p) "Adjustment for Census Underenumeration: The Australian Situation"
- Brian Doyle pp. 157-163
- q) "Census Undercount: The International Experience"
- Mayer Zitter and Edith K. McArthur pp. 164-180
- r) "Legal and Constitutional Constraints on Census Undercount
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- Donald P. McCullum pp. 185-188
- s) "Should the Census Count Be Adjusted for Allocation Purposes:
 Equity Considerations?"
- Ivan P. Fellegi pp. 193-203
- t) "Implications of Equity and Accuracy for Undercount Adjustment:
 A Decision-Theoretic Approach"
- Bruce Spencer pp. 204-216

- Cowan, Charles D.**, 1980. Memorandum for David V. Bateman, Assistant Chief, Statistical Methods Division. Subject: Dress Rehearsal Post Enumeration Survey. U.S. Bureau of the Census.
- Cowan, Charles D. and Dean Neubauer**, 1980. Memorandum for David V. Bateman, Assistant Chief, Statistical Methods Division. Subject: Analysis of 1978 CPS/IRS Match Study: First Report (draft). U.S. Bureau of the Census.
- Darroch, J. N. and D. Ratcliff**, March 1980. "A Note on Capture-Recapture Estimation," Biometrics No. 36 pp. 149-153.
- Dempster, A. P. and T. J. Tomberlin**, 1980. "The Analysis of Census Undercount from a Post Enumeration Survey," Conference on Census Undercount. Proceedings of the 1980 Conference, U.S. Bureau of the Census, pp. 88-94.
- Doyle, Brian and Raymond Chambers**, August, 1980. "Census Evaluation in Australia," Proceedings of the Section on Survey Research Methods: 1980, American Statistical Association, pp. 275-280.
- Gosselin, J. F.**, June, 1980. "Reverse Record Check: Tracing People in Canada," Survey Methodology, Vol. 6, No. 1: pp. 84-113.
- Gosselin, J. F. and G. J. Brackstone**, August, 1980. "Reverse Record Check: Tracing People in Canada," Statistics Canada, Proceedings of the Section on Survey Research Methods: 1980, American Statistical Association, pp. 269-274.
- Hogan, Howard**, January 22, 1980. Memorandum for Distribution List. Subject: PES Estimation with Imputations and Close-out Cases. U.S. Bureau of the Census.
- Hogan, Howard**, May 19, 1980. Memorandum for Barbara A. Bailar, Associate Director for Statistical Standards of Methodology. Subject: Reverse Record Check. U.S. Bureau of the Census.

Hogan, Howard, and Charles D. Cowan, August, 1980. "Imputations, Response Errors, and Matching in Dual System Estimation," U.S. Census Bureau, Proceedings of the Section on Survey Research Methods: 1980, American Statistical Association, pp. 263-268.

Horvitz, D. G., October 24, 1980. Letter to Dr. Barbara A. Bailar, Associate Director for Statistical Standards and Methodology. Subject: Discussions on Bureau plans for estimating 1980 Census over and under enumeration. Research Triangle Institute, Research Triangle Park, North Carolina.

Jones, Charles, April 10-12, 1980. "Measuring Census Undercount: Geographic Areas and Socioeconomic Groups," U.S. Bureau of the Census, presented at the Annual Meeting of the Population Association of America, Denver, Colorado. "Discussion", Keyfitz, Nathan, Harvard University, p. 287.

Lynch, Maureen, August 14, 1980. Memorandum for James L. O'Brien, Acting Chief, Statistical Research Division. Subject: Tracing. U.S. Bureau of the Census.

Marks, Eli S., undated, circa August 1, 1980. Memorandum for Dr. Barbara A. Bailar, Associate Director for Statistical Standards of Methodology. Subject: Census Coverage Experimental Projects.

Miskura, Susan M., and James L. Dinwiddie, September 25, 1980. Memorandum for Charles D. Jones, Chief, Statistical Methods Division. Subject: Investigation of Housing Unit Overcount in Prelist-precavass Offices in the South (draft). U.S. Bureau of the Census.

Muller, Hans, May 21, 1980. Memorandum for David Bateman. Subject: Administrative Record Match: IRS-DR. U.S. Bureau of the Census.

National Research Council, 1980. Estimating Population and Income of Small Areas, National Academy Press, Washington, D.C.

Passel, Jeffrey S. and J. Gregory Robinson, August 1980. "Estimating Coverage of the 1980 United States Census: Demographic Analysis," U.S. Census Bureau, Proceedings of the Section on Survey Research Methods: 1980, American Statistical Association, pp. 259-263.

Robinson, J. Gregory, Jeffrey S. Passel, and Jacob S. Siegel, October 1980. "Measuring Coverage and Classification Errors for Age and Race/Ethnic Categories in the 1890 United States Census," presented at the Annual Meeting of the American Public Health Association, Detroit, Michigan.

Siegel, Jacob S., Jeffrey S. Passel, and J. Gregory Robinson, 1980. "Preliminary Review of Existing Studies of the Number of Illegal Residents in the United States," Report to the Commission on Immigration and Refugee Policy, Washington, D.C., U.S. Bureau of the Census.

Spitler, James F. and Eduardo E. Arriaga, August, 1980. "Missing and Misplaced Persons: The Case of Census Evaluation in Developing Countries," U.S. Bureau of the Census. Proceedings of the Section on Survey Research Methods: 1980, American Statistical Association, pp. 281-286.

Taeuber, Conrad, 1980. "The Future of the Census", unpublished.

U.S. Bureau of the Census, 1980. "Census Undercount Adjustment: Basis for Decision," Proceedings of the Second Census Undercount Workshop, September 2-5, 1980, Washington, D.C., Government Printing Office.

U.S. Bureau of the Census, Statistical Methods Division, October, 1980. "Methodology for the Estimation of the Undercount at the State, Selected SMSA, and Selected Central City Levels." Paper prepared for Panel of Statistical Advisors on Undercount Methodology.

U.S. Bureau of the Census, December 16, 1980. "Position on Adjustment of the 1980 Census Counts for Underenumeration," Federal Register, Vol. 45, No. 243.

U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, December, 1980. "Report on Statistical Uses of Administrative Records," Statistical Policy Working Paper 6: pp. 64-70.

U.S. General Accounting Office, December, 1980. "Procedures to Adjust 1980 Census Counts Have Limitations," Report to the Subcommittee on Census and Population, Committee on Post Office and Civil Service, U.S. House of Representatives, GG D-81-28.

Warren, Robert and Jennifer Marks Peck, 1980. "Foreign-Born Emigration from the United States: 1960 to 1970," Demography, Vol. 17, Number 1: pp. 71-84.

1981

Bogue, Donald S., 1981. "Against Adjustment," Commentaries: Census Politics, Society, Volume 18, Number 2, January/February: p. 18.

Cowan, Charles D., March 27, 1981. Memorandum for Charles Jones, Chief, Statistical Methods Division. Subject: Dual-System Estimates from the 1978 CPS/IRS Match. U.S. Bureau of the Census.

Cowan, Charles D., August 10, 1981. Memorandum for Charles Jones, Chief, Statistical Methods Division. Subject: Analysis of Results of Box Search Experiment for PEP. U.S. Bureau of the Census.

Keyfitz, Nathan, 1981. "Statistics, Law, and Census Reporting," Commentaries: Census Politics, Society, Volume 18, Number 2, January/February: pp. 5-12.

Kirk, Dudley, 1981. "Politics of Demography," Commentaries: Census Politics, Society, Volume 18, Number 2, January/February: pp. 22-25.

- Mulry, Mary H., Howard Hogan, John R. Walker, David W. Chapman, Judy Evaul, and Roger Moore,** 1981. "A Research Proposal For a Study of Methods for 1990 Decennial Census Coverage Evaluation," Non-published paper, Statistical Research Division. U.S. Bureau of the Census.
- Poston, Dudley L. Jr.,** 1981. "Manipulating Population Counts," Commentaries: Census Politics, Society, Volume 15, Number 2, January/February: pp. 15-17.
- Ryder, Norman B,** 1981. "Demographic Uncertainty," Commentaries: Census Politics, Society, Volume 18, Number 2, January/February: p. 14.
- Wolter, Kirk M.,** June 19, 1981. Memorandum for Bailar, Isaki, Moore, Hogan, Diffendal, Cowan, Fay, Batman, Jones. Subject: Foundations of Dual System Estimation. U.S. Bureau of the Census.
- Wolter, Kirk M.,** October 16, 1981. "Formalizing Subjective Analyses of the PEP Nonrespondents," Non-published paper. U.S. Bureau of the Census.
- Trussel, James,** 1981. "Should State and Local Area Census Counts be Adjusted?" Population Index 47 (1):pp: 4-12.
- U.S. Bureau of the Census,** January 21, 1981. "Report of the United States Bureau of the Census in Response to the Judgment of the Court Entered December 29, 1981," U.S. District Court, Southern District of New York, Civil Action No. 80-CIV. 4550 (HFW).
- U.S. Bureau of the Census,** October 1981. "1990 Census Coverage Evaluation Research Program," Statistical Research Division. Washington, D.C.
- U.S. Bureau of the Census,** February, 1981. "Critical Assumptions for the Undercount Adjustment Decision," Data User News, Vol. 16, No. 2.
- Weinstein, Jay,** 1981. "Social Goals and Census Protests," Commentaries: Census Politics, Society, Volume 18, Number 2, January/February: pp. 19-21.

1982

Alonso, William and Paul Starr, 1982. "The Political Economy of National Statistics," Items, National Research Council, Volume 36, Number 3: pp. 29-35.

Discussion of political and social implications of the use of statistics, especially a census.

Alvey, Wendy and Fritz Scheuren, 1982. "Background for an Administrative Census," Selected Papers from the 1982 Annual Meeting of the American Statistical Association.

Discussion of obstacles to the development of a census performed entirely with administrative records.

Cowan, Charles D. and Paul J. Bettin, 1982. "Estimates and Missing Data Problems in the Post Enumeration," Non-published paper. Statistical Methods Division. U.S. Bureau of the Census.

Passel, Jeffrey S., Jacob S. Siegel, and J. Gregory Robinson, February, 1982. "Coverage of the National Population in the 1980 Census by Age, Sex, and Race in the 1980 Census: Preliminary Estimates by Demographic Analysis," U.S. Bureau of the Census, Current Population Reports, Series P-23, No. 115.

Passel, Jeffrey S., 1982. "Procedures for Producing OMB - Consistent Modified Race Data from the 1980 Census by Age, Sex, and Hispanic Origin for States and Counties".

Savage, L. R., 1982. "Who Counts," The American Statistician, Vol. 36, Number 3, Part I (with discussion), pp. 195-207.

"Comment" Bailar, Barbara A., Preston, Samuel H., Stoto, Michael A., and Trussell, James, pp. 200-207.

Spencer, Bruce D., 1982. "A Note on Statistical Defensibility," The American Statistician, Vol. 36, Number 3, Part I (with discussion), p. 208.

"Comment" Wolter, Kirk M., Fairley, William B., Fellegi, Ivan P., and Simon, Richard, pp. 209-216.

U.S. Bureau of the Census, 1982. "1990 Planning Conference Series: No. 1, The Meaning of Enumeration," Washington, D.C., U.S. Government Printing Office.

U.S. General Accounting Office, 1982. "A \$4 Billion Census in 1990? Timely Decisions on Alternatives to 1980 Procedures Can Save Millions," Report to the Congress.

1983

Barabba, Vincent, Richard Mason, and Ian Mitroff, 1983. "Federal Statistics in a Complex Environment: The Case of the 1980 Census," The American Statistician, Vol. 37, Number 3: pp. 203-212.

- Discussion of 1980 Census decision not to adjust, with identification of methodology used to arrive at decision, and the inherent legal, political, and social considerations.

Bean, Frank D., Alan G. King, and Jeffrey S. Passel, February, 1983. "The Number of Illegal Migrants of Mexican Origin in the United States: Sex Ratio-Based Estimates for 1980," Demography, Volume 20, Number 1: pp. 99-109.

Childers, Danny R., Howard Hogan, 1983. "Census Experimental Match Studies," Proceedings of the Section on Survey Research Methods. American Statistical Association, pp. 173-176.

Diffendal, Gregg J., Cary T. Isaki, Donald Malec, 1983. "Some Small Area Adjustment Methodologies Applied to the 1980 Census". Proceedings of the Section on Survey Research Methods: 1983, American Statistical Association, pp. 164-167.

Erickson, Eugene and Joseph Kadane, 1983. "Estimating the Population in a Census Year: 1980 and Beyond," Technical Report, Department of Statistics, Carnegie-Mellon University.

To date, the most comprehensive and developed contribution to a new overall methodology for a national census.

Fay, Robert and Charles Cowan, 1983. "Missing Data Problems in Coverage Evaluation Studies," Proceedings of the Section on Survey Research Methods, American Statistical Association, pp. 158-168.

Mitroff, Ian I., Richard O. Mason, and Vincent P. Barabba, 1983. The 1980 Census: Policymaking Amid Turbulence, Lexington Books, D.C. Health and Co., Lexington, Mass.

Passel, Jeffrey S., Charles D. Cowan, and Kirk M. Wolter, April 18, 1983. "Coverage of the 1980 Census," Presented at the Annual Meeting of the Population Association of America, Pittsburgh, Pennsylvania, April 14-16.

Straf, Miron L., 1983. "Goals of a Census," Introductory Remarks for the 1983 American Statistical Association Annual Meeting Workshop: The 1990 Census: Questions in Need of Answers, Toronto, Canada, (unpublished).

U.S. Bureau of the Census, January, 1983. "Some Major Issues in Planning the 1990 Census," Background Paper for Data Needs of America in Transition, Workshop on the 1990 Census, January 26 and 27, 1983, unpublished.
Complete, organized presentation of major issues any new methodology will have to address to be implemented.

U.S. General Accounting Office, 1983. "The Census Bureau Needs to Plan Now for a More Automated 1990 Decennial Census," Report to the Subcommittee on Census and Population, Committee on Post Office and Civil Service, House of Representatives.

Warren, Robert and Jeffrey S. Passel, April, 1983. "Estimates of Illegal Aliens from Mexico Counted in the 1980 United States Census," Presented at the Annual Meeting of the Population Association of America, Pittsburgh, Pennsylvania, April 14-16.

Note: The figures shown in this paper have been revised. New figures will appear in a later version of the paper entitled "A count of the Uncountable: Estimates of Undocumented Aliens Counted in the 1980 Census." The revised figures also appear

in a paper by Passel and Woodrow, "Geographic Distribution of Undocumented Aliens Counted in the 1980 Census by State." This paper is published in the International Migration Review.

1984

ASA Technical Panel on the Census Undercount, 1984. "Report of the ASA Technical Panel on the Census Undercount" (with comment), The American Statistician, Vol. 38: pp. 252-260.

Thirteen recommendations compiled by an ASA panel identifying key areas of investigation for the current study.

Boone, Margaret S. and David C. Whitford, 1984. "Analysis of Inner City Census Coverage Using Local Hospital Administrative Records," Proceedings of the Section on Survey Research Methods. American Statistical Association, pp. 319-322.

Childers, Danny R. and Howard Hogan, 1984. "Matching IRS Records to Census Records: Some Problems and Results," Proceedings of the Section on Survey Research Methods. American Statistical Association, pp. 301-306.

Cowan, Charles D. and Robert E. Fay, 1984. "Estimates of Undercount in the 1980 Census," Proceedings of the Section on Survey Research Methods. American Statistical Association, pp. 566-571.

Diffendal, Gregg, Cary Isaki, and Linda Schultz, 1984. "Small Area Adjustment Methods for Census Undercount," presented at the Data Users Conference on Small Area Statistics. Snowbird, Utah, August 28-31, 1984.

Hidirovlov, M. A., M. Morry, Estella B. Dagum, J. N. K. Rao, and C. E. Sarndal, 1984. "Evaluation of Alternative Small Area Estimators Using Administrative Records," Proceedings of the Section on Survey Research Methods. American Statistical Association, pp. 307-313.

Hogan, Howard, 1984. "Research Plan on Adjustment for the 1990 Decennial Census," Proceedings of the Social Statistics Section: 1984, American Statistical Association, pp. 452-458.

Passel, Jeffrey S. and J. Gregory Robinson, August 13-16. "Revised Estimates of the Coverage of the Population in the 1980 Census Based on Demographic Analysis: A Report on Work In Progress," presented at 1984 American Statistical Association meetings.

Passel, Jeffrey S. and Karen A. Woodrow, Fall 1984, "Geographic Distribution of Undocumented Aliens Counted in the 1980 Census by State," International Migration Review, Volume 8, Number 3, pp. 642-675.

Passel, Jeffrey S., September 5, 1984. Memorandum for Roger Herriot, Chief, Population Division. Subject: On the Robustness of Estimates of Undocumented Immigration or Alternative Estimates of Undocumented Aliens Counted in the 1980 Census for the Period 1970-1980, U.S. Bureau of the Census.

1985

Britton, Malcolm and Francis Birch, 1985. The 1981 Census Post-Enumeration Survey: An Inquiry into the Coverage and Quality of the 1981 Census in England and Wales, London: Her Majesty's Stationary Office.

Erickson, Eugene P. and Joseph B. Kadane, 1985. "Estimating the Population in a Census Year: 1980 and Beyond" (with discussion), Journal of the American Statistical Association, Vol. 80: pp. 98-131.

Fay, Robert E., 1985. "Implications of the 1980 PEP for Future Census Coverage Evaluation," Proceedings of the Section on Survey Research Methods: 1985, American Statistical Association, pp. 413-418.

Panel on Decennial Census Methodology, 1985. The Bicentennial Census: New Directions for Methodology in 1990, C. F. Citro and M. L. Cohen, editors, Washington: National Academy Press.

Steinberg, Barbara and Howard Hogan, 1985. "The Effects of Population Adjustment on the Allocations of Three Government Programs," Proceedings of the Social Statistics Section: 1985, American Statistical Association, pp. 256-260.

1986

Clogg, Clifford, Michael Massagli, and Scott Eliason, 1986. "Population Undercount as an Issue in Social Research," to appear in the Proceedings of the Second Annual Research Conference, Washington: U. S. Bureau of the Census.

Fienberg, Stephen, 1986. "Adjusting the Census: Statistical Methodology for Going Beyond the Count," to appear in the Proceedings of the Second Annual Research Conference, Washington: U. S. Bureau of the Census.

Freedman, D. A. and W. C. Navidi, 1986. "Regression Models for Adjusting the 1980 Census" (with discussion), Statistical Science, Vol. 1: pp. 3-39.

Garrett, Joseph, Howard Hogan, and Charles Pautler Jr., 1986. "Coverage Concepts and Issues in Data Collection and Data Presentation," to appear in the Proceedings of the Second Annual Research Conference, Washington: U. S. Bureau of the Census.

Isaki, Cary, Gregg Diffendal, and Linda Schultz, 1986. "Survey Based Synthetic Estimates of Undercount for Small Areas," to appear in the Proceedings of the Second Annual Research Conference, Washington: U. S. Bureau of the Census.

Isaki, Cary T., Linda K. Schultz, Philip J. Smith, and Gregg J. Diffendal, 1985. "Small Area Estimation Research for Census Undercount--Progress Report," Bureau of the Census Statistical Research Division Report Series, No. CENSUS/SRD/RR-85-07.

Mulry-Liggan, Mary and Howard Hogan, 1986. "Research Plan on Census Adjustment

Standards," to appear in the Proceedings of the Second Annual Research Conference, Washington: U. S. Bureau of the Census.

Spencer, Bruce, 1986. "Conceptual Issues in Measuring Improvement in Population Estimates," to appear in the Proceedings of the Second Annual Research Conference, Washington: U. S. Bureau of the Census.

Wolter, Kirk M., 1986. "Some Coverage Error Models for Census Data," Journal of the American Statistical Association, Vol. 81: pp. 338-346.

Legal Bibliography

1984

Affidavits Presented to District Court, 1984. Southern District of N.Y., Mario Cuomo, et al., Plaintiffs, Malcolm Baldrige, et al., Defendants, 80 Civ. 4550 (JES).

- a. Bounpane, Peter
Detailed discussion of current census methodology.
- b. Bailar, Barbara A.
Detailed presentation of census position on not adjusting the 1980 values.
- c. Barabba, Vincent
- d. Coale, Ansley
- e. Cowan, Charles D.
Discussion of use of matching studies (PEP) and their limitations for adjusting the 1980 Census counts.
- f. Eriksen, Eugene
- g. Fay, Robert E. III
- h. Fisher, Francis
- i. Freedman, David
- j. Gilford, Leon
- k. Hauser, Philip

- l. Keely, Charles
- m. Keyfitz, Nathan
- n. Koch, Gary
- o. Nathan, Richard
- p. Passel, Jeffrey S.
Discussion of use of demographic methods and their
limitations for adjusting the 1980 Census counts.
- q. Preston, Samuel
- r. Siegel, Jacob
- s. Stoto, Michael
- t. Taeuber, Karl E.
- u. Tukey, John W.
Arguments presented for adjusting the 1980 Census
counts, especially the efficiency of using the PEP
information.
- v. Trussell, James
- w. Wachter, Ken
- x. Wolter, Kirk