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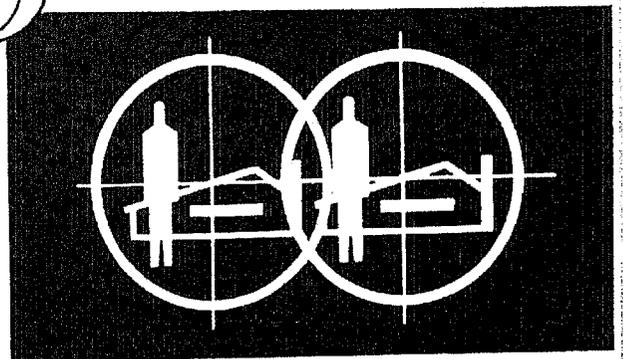
# Evaluation and Research Program of the

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**EFFECTS OF INTERVIEWERS AND CREW LEADERS**

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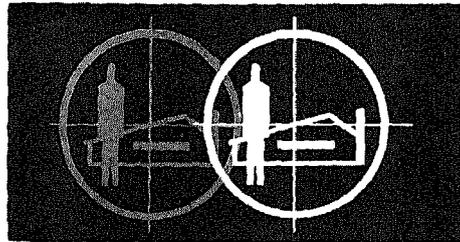
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# Evaluation and Research Program of the U.S. Censuses of Population and Housing 1960



**EFFECTS OF INTERVIEWERS AND CREW LEADERS**

SERIES ER 60 NO. 7



**U.S. DEPARTMENT OF COMMERCE**  
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**BUREAU OF THE CENSUS**  
A. Ross Eckler, Director

# BUREAU OF THE CENSUS

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Robert F. Drury, Deputy Director

Morris H. Hansen, Assistant Director

CENTER FOR RESEARCH IN MEASUREMENT METHODS

Benjamin J. Tepping, Program Director

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## Preface

The study described in this report was one of the most important of those included in the 1960 Evaluation and Research Program of the 1960 Censuses of Population and Housing. The evaluation and research reports are designed to serve three principal purposes: 1) to provide users of census statistics with measures of accuracy of the data; 2) to guide the Bureau of the Census in improving future censuses and surveys; and 3) to provide information on problems of measurement in social and economic surveys to research workers in other organizations.

This report describes the results of a study of the contribution of interviewers and crew leaders to the total mean-square error of census statistics. The underlying mathematical model is discussed fully. The impact of interviewers and crew leaders is measured and analyzed with respect to the enumeration of several housing and population characteristics.

Many persons participated in the planning, direction, coordination, collection, and processing of the data, and preparation of the report. Particular acknowledgment is made here of those persons who had a major role in this study. Leon Pritzker, Chief, Response Research Branch, Statistical Research Division, and Joseph Steinberg, Chief of Statistical Methods Division until August 1963, planned the study under the general direction of William N. Hurwitz, Chief of the Statistical Research Division. Important contributions to the underlying theory came from Max A. Berstad, Assistant Chief of the Statistical Research Division. Marie D. Wann and Barbara A. Bailar, formerly of the Statistical Methods Division, designed the forms and selected the sample of areas in which the study was conducted. Training of 50 experimental program specialists to supervise the study in the field was conducted primarily by Leon Pritzker, Margaret Gurney, Joseph Steinberg, Marie D. Wann, Robert H. Hanson, Barbara A. Bailar, Irving Sivin, Charlie Jo Powers and Sidney Starobin. Conduct of the study in the field was the responsibility of the 50 experimental program specialists, supervised by Marie D. Wann and Barbara A. Bailar, and coordinated by Walter A. Freeman, formerly of the Field Division. Barbara Boyes, Kathleen M. Walsh, and Charles Blaisdel of the Statistical Methods Division were responsible for the processing of the data. George Heller, Statistical Research Division was responsible for the programming of the data. He was assisted by Carolyn M. Carron. The use of a restricted estimator and the method of constructing confidence intervals was suggested by Benjamin J. Tepping, Program Director of the Center for Research in Measurement Methods. Barbara A. Bailar, Center for Research in Measurement Methods, was primarily responsible for the analysis of the data and the writing of the report.

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