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MEMORANDUM FOR Rajendra P. Singh
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Subject: A.C.E. Revision II - Adjusted Data for States, Counties, and Places

This memorandum provides technical documentation and estimates or links to files containing adjusted population estimates for Census 2000. These adjusted estimates, referred to as A.C.E. Revision II, are provided for states, counties, and places. A brief explanation of the source and limitations of the data is also provided.

Attachment

Statement about the Data

The data contained in this memorandum or these files include the 100-percent Census 2000 counts and the Census 2000 counts adjusted for estimates of net coverage error in the Census enumeration as measured by A.C.E. Revision II. The adjusted population estimates, referred to as A.C.E. Revision II, are based on a large sample of households and a complex estimation methodology with known limitations. See *Technical Assessment of A.C.E. Revision II* and other detailed information on methodology, limitations, and results at <http://www.census.gov/dmd/www/ace2.html>

The A.C.E. Revision II results were not used to adjust intercensal estimates. The Bureau considered but rejected this adjustment because of methodological uncertainties. The details on this decision can be found in the document at <http://www.census.gov/dmd/www/dipe.html>

Since the A.C.E. Revision II estimates are based on a sample survey, they are subject to sampling error. As a result, the sample estimates will differ from what would have been obtained if all persons had been included in the survey. The standard errors provided with the data reflect mainly variations due to sampling and they do not in general account for nonsampling errors which can be the principle source of error for very small geographic areas. Thus, the standard errors provide an indication of the minimum amount of error present in the estimates.

In addition to the variability that arises from the sampling procedures, both the A.C.E. Revision II data and 100-percent Census data are subject to nonsampling error. Nonsampling error may be introduced during any of the various complex operations used to collect and process data. For example, such errors may include failure to obtain all required information from respondents or failure to adequately capture and process the data electronically. A detailed discussion of these errors and the programs instituted to control error in Census 2000 are described in detail in *Summary File 3 Technical Documentation* under Chapter 8, "Accuracy of the Data," located at <http://www.census.gov/prod/cen2000/doc/sf3.pdf>

For both Census 2000 and A.C.E. Revision II, nonsampling errors can have a relatively large affect on estimates for very small areas. For a small number of very small counties and places, the A.C.E. Revision II estimates imply that there are some extreme overcounts. These extreme estimates may be inaccurate, since they may be caused by limitations associated with the A.C.E. Revision II methodology. See the technical assessment referenced above for further details.

CENSUS 2000 COUNTS AND ADJUSTED DATA FOR STATES, COUNTIES, AND PLACES

There are three sets of data available: 1) states; 2) counties; and 3) places for their collection geography. For states the collection geography is consistent with their tabulation geography. The data provided for both counties and places correspond to collection geography which may differ from tabulation geography. The difference in population between collection and tabulation geography can be relatively large for a small place. These collection geographies are identified by physical ground features and were defined in July 1999 to facilitate the census collection

efforts and, consequently, these data are not entirely consistent with the tabulation definitions used in other Census 2000 releases. Data for Census Tabulation Counties and Places are not available for A.C.E. Revision II. Note that places cover only about 57 percent of the total US population.

For states, the data is provided in the attached Table 1. This table includes the census count, the A.C.E. Revision II estimate, and the A.C.E. Revision II standard error estimate for each state and the District of Columbia. Comparison of the census count with the A.C.E. Revision II estimate provides an estimate of the net coverage error in the Census. These data reflect persons in housing units, and persons living in group quarters, but they do not include the overseas population.

For counties, the file named ACEREVII_COUNTIES.DAT provides data for all counties or county equivalents for their collection geographies.

For places, the file named ACEREVII_PLACES.DAT provides data for all incorporated places or for Census Designated Places in Hawaii for their collection geographies.

The ASCII files for counties and places can be found at:

http://www.census.gov/dmd/www/ACEREVII_COUNTIES.txt

and

http://www.census.gov/dmd/www/ACEREVII_PLACES.txt

The layout of both files is given by:

<u>Data</u>	<u>Fields</u>	
State FIPS Code	01-02	
State Abbreviation	04-05	
County/Place Code	07-10	
Census Count	11-19	
A.C.E. Revision II Estimate	20-28	(rounded to the nearest integer)
A.C.E. Revision II Standard Error	29-37	(rounded to the nearest integer)
County/Place Name	39-78	

Table 1: Census 2000 Counts and A.C.E. Revision II Estimates for States

State Code	State Name	Census Count	A.C.E. Revision II	Standard Error
	United States	281,421,906	280,090,250	541,631
1	Alabama	4,447,100	4,432,192	11,829
2	Alaska	626,932	628,774	2,997
4	Arizona	5,130,632	5,114,152	18,316
5	Arkansas	2,673,400	2,670,915	7,835
6	California	33,871,648	33,915,728	87,146
8	Colorado	4,301,261	4,300,930	14,164
9	Connecticut	3,405,565	3,380,307	8,217
10	Delaware	783,600	781,132	2,420
11	District of Columbia	572,059	580,982	1,971
12	Florida	15,982,378	15,880,398	35,477
13	Georgia	8,186,453	8,208,427	20,135
15	Hawaii	1,211,537	1,214,225	9,272
16	Idaho	1,293,953	1,288,683	4,698
17	Illinois	12,419,293	12,245,193	27,455
18	Indiana	6,080,485	5,981,091	13,700
19	Iowa	2,926,324	2,884,712	7,071
20	Kansas	2,688,418	2,654,471	5,603
21	Kentucky	4,041,769	4,022,526	10,648
22	Louisiana	4,468,976	4,465,176	11,486
23	Maine	1,274,923	1,259,856	9,019
24	Maryland	5,296,486	5,309,521	16,339
25	Massachusetts	6,349,097	6,285,987	16,141
26	Michigan	9,938,444	9,845,028	20,786
27	Minnesota	4,919,479	4,837,392	9,738
28	Mississippi	2,844,658	2,832,958	9,388
29	Missouri	5,595,211	5,520,892	11,376
30	Montana	902,195	906,595	7,561
31	Nebraska	1,711,263	1,697,592	3,582
32	Nevada	1,998,257	2,008,216	8,003
33	New Hampshire	1,235,786	1,221,757	5,224
34	New Jersey	8,414,350	8,370,927	22,211
35	New Mexico	1,819,046	1,819,367	8,365
36	New York	18,976,457	18,928,895	49,784
37	North Carolina	8,049,313	8,037,253	20,888
38	North Dakota	642,200	633,176	1,585
39	Ohio	11,353,140	11,210,356	22,943
40	Oklahoma	3,450,654	3,443,913	9,708
41	Oregon	3,421,399	3,409,373	10,812
42	Pennsylvania	12,281,054	12,169,921	33,296
44	Rhode Island	1,048,319	1,036,531	3,461
45	South Carolina	4,012,012	3,997,436	10,621
46	South Dakota	754,844	745,278	1,890
47	Tennessee	5,689,283	5,666,047	13,413
48	Texas	20,851,820	20,862,065	55,501
49	Utah	2,233,169	2,230,962	9,217
50	Vermont	608,827	602,066	4,316
51	Virginia	7,078,515	7,098,004	16,888
53	Washington	5,894,121	5,881,537	26,166
54	West Virginia	1,808,344	1,795,195	7,257
55	Wisconsin	5,363,675	5,284,299	11,451
56	Wyoming	493,782	491,841	2,956