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## Health Service Areas for the United States

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The objectives of this report are to document methods used to identify health service areas for the United States and to describe and evaluate these areas. A health service area is defined as one or more counties that are relatively self-contained with respect to the provision of routine hospital care. Service areas that include more than one county are characterized by travel between the counties for routine hospital care.

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## State abbreviations

AL	Alabama	ME	Maine	OR	Oregon
AK	Alaska	MD	Maryland	PA	Pennsylvania
AZ	Arizona	MA	Massachusetts	RI	Rhode Island
AR	Arkansas	MI	Michigan	SC	South Carolina
CA	California	MN	Minnesota	SD	South Dakota
CO	Colorado	MS	Mississippi	TN	Tennessee
CT	Connecticut	MO	Missouri	TX	Texas
DE	Delaware	MT	Montana	UT	Utah
FL	Florida	NE	Nebraska	VT	Vermont
GA	Georgia	NV	Nevada	VA	Virginia
HI	Hawaii	NH	New Hampshire	WA	Washington
ID	Idaho	NJ	New Jersey	WV	West Virginia
IL	Illinois	NM	New Mexico	WI	Wisconsin
IN	Indiana	NY	New York	WY	Wyoming
IA	Iowa	NC	North Carolina	DC	District of Columbia
KS	Kansas	ND	North Dakota		
KY	Kentucky	OH	Ohio		
LA	Louisiana	OK	Oklahoma		

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### Symbols

- Data not available
  - ... Category not applicable
  - Quantity zero
  - 0.0 Quantity more than zero but less than 0.05
  - Z Quantity more than zero but less than 500 where numbers are rounded to thousands
  - \* Figure does not meet standard of reliability or precision (estimate has relative standard error of more than 30 percent)
  - # Figure suppressed to comply with confidentiality requirements
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# Health Service Areas for the United States

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## Background

The objectives of this report are to document methods used to identify health service areas for the United States, and to describe and evaluate these areas. We define a health service area as one or more counties that are relatively self-contained with respect to the provision of routine hospital care. Service areas that include more than one county are characterized by travel between the counties for routine hospital care. We have assigned every county in the coterminous United States to a single service area that must have at least one hospital. The health service areas reflect current travel patterns between counties for routine hospital care.

This project was motivated in part by a decision at the National Center for Health Statistics (NCHS) to consider health service areas as possible primary sampling units (PSUs) for the National Health Interview Survey (HIS). Another motivation was the need to use health service areas as units of analysis to measure the availability of health care resources (for example, per capita physicians and hospital beds), to study geographic variation in health care use, and to study the relationship between health care resources, health care utilization, and health status (1). Before this project the most recently defined national health service areas were constructed using data that are now more than 20 years old (2). Thus, the new service areas will be a useful tool in conducting health services research.

The concept of a service area has been used in analyses of NCHS data to study the relationship between health care resources and use of health care (3,4). For example, data from the HIS have been used to study the relationship between the supply of surgeons and surgery rates within the HIS PSUs under the assumption that the PSUs were approximate health service areas (3). Another study analyzed the relationship between physician supply and use of physician services based on utilization data from the HIS and birth records (4). Individuals were categorized according to the physician supply in their service area of residence and a categorical data analysis was carried out.

Health service areas have been defined in a number of ways (5–8). Some of the methods that have been used to

define service areas include: (a) geopolitical boundaries, for example, counties and metropolitan statistical areas, (b) physical distance between hospitals, for example, 15-mile radius, (c) patient-origin analysis, and (d) price analysis. Geopolitical boundaries have been used as service areas primarily because they are expedient and compatible with many data systems, thus increasing the possibilities for data analysis. Physical distance has been considered on the basis that most hospital patients are admitted by office-based physicians who travel a limited distance to hospitals. Service areas based on patient-origin data use empirical data on travel patterns among communities for health care. The community can be a ZIP Code, census tract, town, county, metropolitan statistical area (MSA), or other geographic areas. Service areas may be formed using different algorithms with patient-origin data. Further, different sources of patient-origin data may be used, for example, hospital discharge records, birth records, or death records.

## Health care commuting areas (HCCAs)

Although substantial literature exists concerning the definition of health service areas for States or local areas, there have been few attempts to identify service areas for the entire United States. One such attempt was health care commuting areas (HCCAs), defined by grouping counties based on 1968 national natality data, 1969 national mortality data, and 1970 census data on the journey to work (2). The natality data file contains data on the county of mother's residence and the county of delivery, providing information on travel patterns for obstetrical care. Similarly, the mortality data file includes the county of residence of the decedent as well as the county of death, providing information on travel patterns for hospital stays of decedents who die in hospitals. However, this analysis was not restricted to deaths that occurred in hospitals.

An algorithm was developed to group counties into areas so that travel outside areas was minimized. The algorithm grouped counties to minimize a commuting ratio (CR). CR is defined as the ratio of the total demand for health care services occurring in the group to the demand occurring in the group by group residents only.

The algorithm began by identifying a centroid, the county with the largest number of occurrences (for example, births). If the CR for the centroid and the county that had the highest percent of residents commuting into the centroid was less than for the centroid county alone, then the two counties were grouped together. The CR was recalculated adding the county with the highest percent commuting into the present group. If the CR decreased the county was added. The process was repeated until there were no counties that reduced the CR of the existing group. The county with the largest number of occurrences that was not included in the first group became the next centroid and the group was formed for that centroid in a similar manner, with the added constraint that the original centroid county could not be added to the new group. The process that was used to form the first two groups continued until there were no counties left ungrouped. Noncentroid counties could be linked with more than one group. Thus, the final step was to determine the best group for each county, that is, the group for which the county reduced the CR the most.

Eight alternative definitions of service areas were developed based on assigning different relative weights to the natality, mortality, and employment data and different threshold or minimal commuting levels. The total number of service areas for the United States under the eight definitions ranged from 385 to 950. The preferred algorithm assigned relatively more weight to the natality data and less to mortality and employment, resulting in the delineation of 780 areas for the nation. A disadvantage of this approach is that it requires complex computer programming. In addition, the algorithm was not documented in sufficient detail to replicate it precisely.

An analysis of data from the 1978 HIS compared how well the HCCAs and two other types of county aggregations performed as primary care physician service areas (9). The 780 HCCAs were compared with 183 areas

developed for economic analyses by the Bureau of Economic Analysis and 492 basic trading areas developed by Rand McNally. The results of this analysis suggested that the HCCAs were the most appropriate primary care physician service areas. The HCCAs were the smallest in size and population and exhibited an amount of outside area travel for care similar to that of the two larger types of areas. They also exhibited the greatest variability in physician supply. A similar analysis using 1983 NHIS data showed that the percent of visits that occurred outside the HCCA of residence remained about the same between 1978 and 1983, indicating that overall, service areas did not change substantially over this period.

## **Labor market areas**

A more recent attempt to define service areas for the entire United States occurred in 1987 when the U.S. Department of Agriculture defined 382 labor market areas and 875 subareas to be used for statistical and planning purposes in research on rural America (10). These areas were based on 1980 Census journey to work data for counties. The relative strength of the commuting ties between each pair of counties was measured by the following ratio: the total number of commuters between two counties divided by the resident labor force of the smaller of the two counties. A matrix of these "distance measures" was used in hierarchical cluster analysis to form groups of counties with strong shared commuting ties. In addition to the cluster analysis, other criteria used to identify the labor market areas were (a) a minimum population of 100,000 due to Census confidentiality standards and (b) maximum geographic detail. The first criterion was achieved by combining some of the areas identified in the cluster analysis, while the second was achieved by identifying market subareas within larger labor market areas.



# Methods

## Data source

County was selected as the basic geographic unit of analysis because the county was the smallest geographic unit for which most national data sources are currently available. However, counties differ substantially in size and meaning across the country. In New England, towns and townships are smaller and more meaningful geographic units than counties, but data were not available for these geographic units. At the State and local level much work on service areas has used ZIP Code or census tract as the basic unit of analysis (11,12). Use of a smaller geographic unit than the county is desirable because travel patterns may differ for different sections of the county. In metropolitan areas the use of counties may mask important travel patterns for health care. Nevertheless, at the national level it was not practical to use geographic units smaller than the county at the present time. Three data sources with county-level data for the entire United States were considered — natality, mortality, and Medicare. We selected 1988 Medicare data on short-stay hospital stays as the most appropriate data source because it provides information on all types of hospital services and includes information about type of stay so that stays for specialized care could be eliminated. The drawback of Medicare data is that this information is only available for persons 65 years of age and over (17 percent of hospital discharges in 1988 based on the National Hospital Discharge Survey). However, data from the NHIS indicate that travel for ambulatory medical care does not differ substantially by age (13). Further, 1989 HIS data show that travel patterns for hospital stays also do not differ substantially by age (table G).

From the initial Medicare file containing data for 10 million hospital stays, 2 million records were eliminated for deaths, disabled and end-stage renal disease Medicare beneficiaries, hospital stays outside short-stay general hospitals, county of beneficiary missing or invalid, and residents outside the coterminous United States. Overall, 28 percent of hospital stays occurred outside the county of residence. Records were eliminated for the 1 million stays with Diagnosis Related Group (DRG) codes for which more than 35 percent of hospital stays occurred outside the county of residence. The rationale for this was to eliminate stays that were most likely to be for specialized care. Thus, the final Medicare data base included 7

million hospital stays with a median of 853 stays per county of residence. The number of Medicare hospital stays was greater than 100 for 97 percent of the counties. Only 48 counties had fewer than 50 stays.

Natality data were also considered as a possible data source. Birth certificates provide data on travel for obstetric care, and these data were used in the development of HCCAs. However, only about 70 percent of general medical and surgical hospitals have obstetric units (14) and 24 percent of counties do not have obstetric facilities, whereas only 16 percent of counties do not have short-stay general hospitals (15). Further, travel patterns for obstetric stays may differ from other types of stays because mothers may seek hospitals with birthing rooms or other types of facilities not routinely available. Although we decided not to use natality data to define the health service areas, national obstetric service areas were defined in a separate analysis based on natality data for 1984–86 using the same methods described for the Medicare data (see Appendix IV). Mortality data were eliminated as a possible data source because only about 60 percent of deaths occur in hospitals, and 70 percent of these are for persons 65 years of age and over, the same population covered by the Medicare data (16).

## Cluster analysis

We used agglomerative hierarchical cluster analysis to group counties into service areas (17,18). Hierarchical cluster analysis generates a hierarchical classification for a set of observations (for example, counties) based on a measure of distance between observations. The distance measure can be any function that defines the relationship between observations. The hierarchical classification is defined by an ordered sequence of partitions of the observations. In the initial partition each cluster contains a single observation, that is, each observation starts out as its own cluster. The final partition consists of a single cluster that includes all observations. The partition at each level of clustering is formed by joining a single pair of clusters with the smallest distance measure. The sequential process of forming clusters can be carried out using different methods of redefining the distance measure after the first two observations have been joined to form a cluster. We selected the average linkage method as appropriate for construction of health service areas. In average

linkage the distance between two clusters is the average distance between all pairs of observations from the two clusters. The distance between two clusters  $C(K)$  and  $C(L)$  is defined by

$$Distance(K,L) = \frac{\sum_i \sum_j D_{ij}}{N(K) \cdot N(L)}$$

where  $D_{ij}$  is the distance measure between observations  $i$  and  $j$ ,  $N(K)$  is the number of observations in  $C(K)$ , and  $N(L)$  is the number of observations in  $C(L)$ . When  $N(K) = N(L) = 1$ , then  $Distance(K,L) = D_{ij}$ . The rationale for selecting the average linkage method is that it considers the distance between all pairs of observations in two clusters and is conceptually simple to understand. The average linkage method was also used in the development of labor market areas. Examples of some other conceptually simple methods that were rejected are single linkage and complete linkage. In single linkage the distance between two clusters is the minimum distance between an observation in one cluster and an observation in the other cluster. This approach tends to produce elongated clusters which are not appropriate for service areas. On the other hand, with complete linkage, the distance between two clusters is the maximum distance between an observation in one cluster and an observation in the other cluster. This approach tends to produce clusters with equal diameters and can be distorted by moderate outliers (19).

The CLUSTER procedure in SAS was used to carry out the agglomerative hierarchical cluster analysis using the average linkage algorithm (19). The TREE procedure in SAS was used to identify the desired level of clustering.

## Distance measures

The input data for the cluster analysis was the following lower triangular matrix of distance measures ( $D_{ij}$ ).

$$\begin{pmatrix} D_{21} & & & & \\ D_{31} & D_{32} & & & \\ \dots & & & & \\ D_{n1} & D_{n2} & \dots & D_{nn-1} & \end{pmatrix}$$

The distances measure the strength of the flow between pairs of counties ( $i$  and  $j$ ) for routine hospital care. It should be noted that distance in this context has nothing to do with physical distance. Several alternative distance measures were considered, using the following notation:

$F_{ij}$  = Flow of hospital stays to county  $i$  from county  $j$ , i.e., the number of hospital stays occurring in county  $i$  by residents of county  $j$ . For each pair of counties this flow can occur in both directions.

$P_i$  = Total production of hospital stays (number of occurrences) in county  $i$ .

$C_i$  = Total consumption of hospital stays by residents of county  $i$  (number of hospitalizations for the residents of county  $i$ ).

$H_i$  = The consumption of hospital stays in county  $i$  by the residents of that county (home county consumption).

Note that  $H_i = F_{ii}$ .

The flow between pairs of counties can be related in different ways to  $P$ ,  $C$ , and  $H$  to construct many different distance measures (see Appendix I). After considering a number of alternatives, we selected the same measure that was used by the Department of Agriculture to construct labor market areas (10). The measure is defined as follows:

$$D_{ij} = 1 - (F_{ij} + F_{ji})/C_j \quad \text{if } P_i > P_j$$

$$D_{ij} = 1 - (F_{ij} + F_{ji})/C_i \quad \text{otherwise.}$$

Note that  $D_{ij} = D_{ji}$ . If  $D_{ij} < 0$  then set  $D_{ij} = 0.001$ . The distance between two counties ranges from 0.001 to 1 and is a function of the total flow of hospital stays between two counties (regardless of the direction) and the consumption of hospital stays in the smaller county, that is, the county whose residents have fewer hospital stays. The ratio of flow to consumption is subtracted from 1, so that the distance is larger for pairs of counties with less interaction. The flow between counties is divided by consumption in the smaller county so that large counties do not dominate the analysis. We want the distance between two counties to be small in the case when residents of a small county are highly dependent on the hospitals in a large county for care. If the consumption by residents of the large county were included in the denominator then the strength of the relationship between a small and large county would be reduced.

A threshold value for the flow between two counties was defined such that if  $F_{ij}/C_j < \text{threshold value}$  then  $F_{ij}$  was set to zero. The rationale for setting a threshold level was to eliminate highly unusual flow patterns from the analysis. For example, such unusual patterns could arise through hospital stays during out-of-town travel. We arbitrarily set the threshold value to 2 percent. This level was also used to define HCCAs (2).

To calculate the distance matrix, the Medicare hospital discharge data were arranged in a matrix with the rows representing the county of occurrence and the columns representing the county of residence as follows:

$$\begin{pmatrix} F_{11} & F_{12} & \dots & F_{1n} \\ F_{21} & F_{22} & \dots & F_{2n} \\ \dots & \dots & \dots & \dots \\ F_{n1} & F_{n2} & \dots & F_{nn} \end{pmatrix}$$

The off-diagonal elements of the matrix were the flows from county  $j$  to county  $i$  ( $F_{ij}$ ) and from county  $i$  to county  $j$  ( $F_{ji}$ ), and the diagonal elements were the home county consumption ( $F_{ii} = H_i$ ). The row sums were the total number of Medicare hospital stays occurring in each county ( $F_{i\cdot} = P_i$ ) and the column sums were the total number of Medicare hospital stays by residents of the county ( $F_{\cdot j} = C_j$ ).

## Precluster analysis methods

The distance matrix for all 3,073 counties in the coterminous United States could not be analyzed simultaneously due to computer space limitations. Thus, the United States was divided into six overlapping regions, such that the borders of most States were internal to one region. The six regions were defined as follows:

- I: Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, Tennessee, Vermont, Virginia, Washington, DC, and West Virginia
- II: Alabama, Florida, Georgia, Kentucky, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, and Virginia
- III: Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, Ohio, Pennsylvania, West Virginia, and Wisconsin
- IV: Alabama, Arizona, Arkansas, Colorado, Kansas, Louisiana, Mississippi, New Mexico, Oklahoma, Tennessee, and Texas
- V: Arkansas, Colorado, Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, North Dakota, Oklahoma, South Dakota, and Wyoming
- VI: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Utah, Washington, and Wyoming

The use of six overlapping regions complicates the analysis considerably because the number of clusters must be specified for each of the six regions and decisions about the best solution for counties that appear in more than one region must be made.

### Metropolitan statistical areas (MSAs)

Alternative solutions treated MSAs in two ways: (a) counties within an MSA were constrained to be within the same service area and (b) no constraints were placed on MSA counties. In both approaches nonmetropolitan counties could join the MSA counties to form service areas and counties in different MSAs were allowed to join the same service area. The rationale for constraining counties within an MSA to be in the same service area is that MSAs are formed based on strong economic and other linkages, and it was expected that these linkages might also apply to health care. On the other hand, we developed solutions with no constraints because certain MSAs encompass large geographic areas that may include multiple service areas. Further, linkages between counties for health care may differ from those for other types of services. There are 317 MSAs in the coterminous United States that include 729 counties. Of the 317 MSAs, 51 percent have 1 county, 21 percent have 2, 11 percent have

3, and 7 percent have 4 counties. The remaining 33 MSAs have 5 to 12 counties, with the exception of 1 MSA (Atlanta, Georgia) that has 18 counties.

### Counties with no hospitals

After examining initial results from the cluster analysis, we found that certain small counties with no hospitals had an undue influence on the results. This could arise because counties are clustered based on the rank order of the distance measures without regard to the stability of the measure. A county whose residents have few hospital stays would have unstable and possibly very small distance measures, thereby clustering early and affecting the average distance measures for all subsequent linkages with its cluster. To help alleviate this problem, counties with no hospital stays occurring within the county (zero-production) were excluded from the cluster analysis. After the cluster analysis was completed, each zero-production county was assigned to the cluster where the greatest number of its residents' hospital stays occurred. The only exception to this procedure was for solutions that constrained all counties within an MSA to be within the same service area. In those solutions, counties within an MSA were kept in the cluster analysis after being linked to the other counties within their MSA, regardless of whether or not they had any hospitals. No hospital stays occurred within 503 counties, 54 of which were in MSAs.

### Counties with strong ties

After linking counties within an MSA and eliminating counties with no production of hospital stays, counties with very strong ties were linked prior to the cluster analysis. Two counties were linked if the flow from county  $i$  to county  $j$  was more than 2 times greater than the flow from county  $i$  to any other county and the total consumption for county  $i$  was at least 50 hospital stays. However, if more than one county met this criterion with county  $j$ , then no linkage was formed. Part of the rationale for prelinking counties with strong ties was to reduce the number of observations in the cluster analysis, due to computer space limitations. However, few pairs of counties met these criteria and so these linkages had little effect on the number of observations or the clusters that were formed.

## Geographic units of analysis

In the analysis that linked counties within MSAs, the initial 3,073 counties in the coterminous United States were reduced to 2,212 geographic units by linking the 568 counties within multiple-county MSAs and eliminating 449 nonmetro counties with no hospital stays. As previously discussed, a separate distance matrix was created for each of the six regions. The initial number of counties in each region, how that number was reduced by linking counties within MSAs,

linking counties with strong ties, and eliminating counties with zero-production are shown below.

Region	I	II	III	IV	V	VI
Counties	804	953	980	929	913	807
Counties/MSAS	615	802	842	839	859	769
Zero-production	121	181	150	112	154	131
Linked pairs	7	10	15	19	18	15
Analytic units	487	611	677	708	687	623

In the analysis that does not link counties within MSAs the initial 3,073 counties in the coterminous United States were reduced to 2,570 after eliminating the 503 counties with no hospital stays. The number of geographic units in the analysis for each region are shown below.

Region	I	II	III	IV	V	VI
Counties	804	953	980	929	913	807
Zero-production	147	213	168	121	162	132
Linked pairs	10	12	16	19	20	17
Analytic units	647	728	796	789	731	658

## Numbers of clusters

In carrying out a cluster analysis a decision must be made concerning the appropriate number of clusters. In making this decision we considered previous research on national health service areas. An evaluation of the previously defined HCCAs indicated that these areas performed well as health service areas (9). We decided to develop a solution with 800 clusters, approximately the same number as HCCAs, under the assumption that the total number of service areas has not changed substantially between 1970 and 1988. This seems to be a reasonable assumption because there have not been major changes in the availability of hospital beds during this period (the number of community hospital beds per 1,000 population in the United States declined slightly from 4.3 to 3.9). The number of clusters in each of the 6 regions for the 800-cluster solution was based on the division of the HCCAs among the 6 regions: I 220, II 220, III 260, IV 240, V 240, and VI 240.

A 1400-cluster solution was also developed to provide a number of clusters closer to the current number of PSUs in the National Health Interview Survey. The 1400 clusters were divided among the 6 regions in the same proportion as the 800 clusters as follows: I 385, II 385, III 455, IV 420, V 420, and VI 420.

## Postcluster analysis methods

The cluster results for the six overlapping regions had to be combined to form a national solution. Because the regions were defined using State borders, it was necessary to consider States in combining the six solutions. For each State, clusters were selected from

the region with the most complete coverage of the State's borders. Forty-one States had borders that were completely internal to only one region. The region selected for each of these States was:

- I: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, Washington, DC, and West Virginia
- II: Alabama, Florida, Georgia, North Carolina, and South Carolina
- III: Illinois, Indiana, Ohio, Michigan, Wisconsin
- IV: Mississippi, Louisiana, and Texas
- V: Kansas, Nebraska, North Dakota, and South Dakota
- VI: Arizona, California, Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming

For the remaining eight States, the two regions that internalized the greatest physical distance of each State's borders were identified. Clusters from the region with the most complete border coverage were selected unless a comparable cluster from the second region included counties from a greater number of States. The rationale for this was that in those instances the second region provided better coverage of selected parts of the State's borders. The first and second choice regions for each of the eight States are: Kentucky, I and III; Tennessee, II and IV; Iowa, V and III; Minnesota, V and III; Missouri, VI and III; Arkansas, IV and V; New Mexico, VI and IV; and Oklahoma, IV and V.

This algorithm can be illustrated by considering New Mexico. All of New Mexico's borders are internal to region VI except for the border with Texas, a State that is not part of region VI. Thus, the region VI solution provides no information about the flow for hospital care between New Mexico and Texas. To obtain that information the region IV solution must be used. In those clusters where New Mexico counties are linked with Texas counties in the region IV solution, the solution would be selected according to the algorithm described above because the region IV clusters would include two States, Texas and New Mexico, whereas the region VI clusters would only include one State, New Mexico.

The next step in completing the national solution was to ensure that each county (except zero-production counties) was assigned to one and only one cluster. Counties with multiple solutions and counties without a solution were identified and a unique solution was assigned to each of these counties. The solution for which the county had the smallest percent of outside area travel for care was selected when a county had more than one solution. The rules defined above to select clusters from the two regional solutions for these eight States resulted in a small number of counties not being assigned to any cluster. In these instances either the alternative regional solution was used or the county without a solution was added to an

existing cluster. Finally, each zero-production county was assigned to the cluster where the greatest number of its hospital stays occurred. Six of the zero-production counties were not contiguous to the cluster where the greatest number of hospital stays occurred in at least one of the four solutions (Meade, Kentucky; Shelby, Missouri; Harding, New Mexico; Dallam, Texas; Rains, Texas; and Wayne, Utah). These counties were reassigned to the cluster where the second largest number of stays occurred, so that noncontiguous clusters were not formed.

A check was made for other clusters containing noncontiguous counties. Some of the noncontiguous clusters that were found were due to miscoding of county of hospital stay on the Medicare file. After editing the Medicare file and reassigning counties to clusters based on the corrected data, 16 counties or groups of counties remained noncontiguous to their clusters in at least 1 of the 4 solutions. Solutions for four of these counties or groups were not changed as they were separated from their clusters only by water, and there was substantial commuting across the water for hospital care (Mackinac, Michigan; Chowan, and Dare, North Carolina; and Middlesex, Virginia). In two instances water separates MSA counties that were constrained to stay together in the linked solutions (Marin, California and St. Tammany, Louisiana). Nine noncontiguous counties or groups were reassigned to a contiguous cluster based on examination of the travel patterns for the noncontiguous counties and/or their assignment in contiguous solutions. For example,

Cheyenne, Colorado was not contiguous to its cluster in the 800-unlinked solution only. Thus, results from the 800-linked solution were examined to reassign Cheyenne, Colorado to a contiguous cluster in the 800-unlinked solution. Other counties that were reassigned to new contiguous clusters in one or more solutions were Inyo, Mono, Los Angeles, and Orange, California; Rio Blanco and Kit Carson, Colorado; East Carroll and Morehouse, Louisiana; Barnstable, Massachusetts; Clatsop, Oregon; Montour and Schuylkie, Pennsylvania; Reeves, Texas; and Pacific, Washington.

The health service areas for the 800-unlinked solution were sent to each State for review. This provided a check on the validity of our methods across the United States. Overall, the health service areas produced by the cluster analysis were consistent with the knowledge of State experts regarding travel patterns in their States. Suggested changes were made to the health service areas for 27 counties in 9 States. Some of the possible reasons why the cluster analysis might not have worked well in certain areas are that the ranking of distance measures may not have been optimal for counties with few hospital stays or perhaps a different level of clustering may have been more appropriate for some areas. Changes suggested by State experts were evaluated with respect to their effect on the percent of stays by county residents outside the service area. Only changes that reduced the percent of stays by county residents commuting outside the service areas were incorporated in order to maintain consistent methodology across the nation.

# Comparison of alternative solutions

Four alternative solutions were generated: 800 clusters and MSAs unconstrained, 800 clusters with MSA counties linked within the same service area, 1400 clusters and MSAs unconstrained, and 1400 clusters and MSA counties linked. Appendix II presents maps for the 800-unlinked solution. Appendix III lists the service areas for all four solutions and presents some summary statistics at the county and service area levels for the 800-unlinked and 1400-unlinked solutions.

Data presented for the four alternative solutions include service area size and demographic characteristics, health care resources, and travel across service area borders for care. For comparison, similar data are shown for health care commuting areas (HCCAs), counties, and National Health Interview Survey primary sampling units (HIS PSUs). (In New England there are multiple HIS PSUs in counties because the PSUs are assigned to townships. The entire county was assigned the PSU number that occurred most frequently in the county.) The numbers of service areas are 802 and 1,415 in the 2 unlinked solutions and 790 and 1,400 in the 2 linked

solutions. In both instances the numbers of areas differ slightly from 800 and 1,400 because the number of clusters had to be specified at the regional rather than national level. In addition, some adjustments to the solutions were made to eliminate noncontiguous clusters and to take into account the review by State experts.

## Area size and demographic characteristics

The distribution of the number of counties per area differs substantially among the four solutions (table A). The percentage of single county areas ranges from 11 percent for the 800-unlinked solution to 50 percent for the 1400-linked solution. The linked solutions yielded more single county areas than the unlinked solutions, and the 1400-area solutions yielded a much higher percentage of single county areas than the 800-area solutions. The percentage of areas with 10 or more counties is also greater among the linked than unlinked solutions (6 percent compared with 3 percent for the 800-area solutions). Among the 1,855 HIS PSUs, 59 percent include only 1

**Table A. Selected characteristics of service areas by type of area: United States**

[Data are for the coterminous United States]

Characteristic of area	Type of area						
	800 unlinked	800 linked	1400 unlinked	1400 linked	HCCA	HIS PSU	County
Number of areas . . . . .	802	790	1,415	1,400	775	1,855	3,073
Number of counties per area	Percent of areas						
1 . . . . .	11.1	16.6	41.2	49.9	22.7	58.7	100.0
2-3 . . . . .	41.6	41.5	44.6	35.4	38.1	37.1	...
4-5 . . . . .	28.4	22.2	10.7	9.0	18.5	2.5	...
6-9 . . . . .	16.3	13.7	3.2	4.1	13.8	1.2	...
10 or more . . . . .	2.5	6.1	0.4	1.6	7.0	0.5	...
Boundary crossing							
State boundary . . . . .	15.7	15.9	6.8	7.4	17.9	1.7	-
Regional boundary . . . . .	2.7	3.0	1.3	1.6	4.1	0.2	-
MSAs in areas							
No MSA . . . . .	54.4	64.3	68.3	77.9	64.9	84.6	76.3
1 MSA . . . . .	39.4	31.8	30.3	21.6	28.1	14.2	23.7
2 MSAs or more . . . . .	6.2	3.9	1.3	0.5	7.0	1.2	-
1987 population	Population in thousands						
5th percentile . . . . .	14	13	7	7	10	3	3
25th percentile . . . . .	50	41	21	18	33	14	11
50th percentile . . . . .	126	93	52	41	77	33	23
75th percentile . . . . .	279	238	143	113	225	73	54
95th percentile . . . . .	1,161	1,276	726	679	1,285	388	316

**Table B. Number of counties and population of service areas by type and metropolitan status of area: United States**

[Data are for the coterminous United States]

Characteristic of area	Type and metropolitan status of area							
	800-unlinked		800-linked		1400-unlinked		1400-linked	
	Metro	Nonmetro	Metro	Nonmetro	Metro	Nonmetro	Metro	Nonmetro
Number of areas . . . . .	366	436	282	508	448	967	310	1090
Number of counties per area	Percent distribution							
1 . . . . .	5.5	15.8	7.1	21.9	20.3	50.9	18.1	59.0
2-3 . . . . .	33.1	48.6	25.5	50.4	52.5	41.0	35.8	35.3
4-5 . . . . .	32.5	25.2	24.5	20.9	19.6	6.5	23.6	4.9
6-9 . . . . .	24.3	9.9	26.6	6.5	6.5	1.7	15.5	0.8
10 or more . . . . .	4.6	0.5	16.3	0.4	1.1	-	7.1	-
1987 population	Population in thousands							
5th percentile . . . . .	110	9	134	9	59	6	115	6
25th percentile . . . . .	192	28	208	26	135	16	176	15
50th percentile . . . . .	296	56	362	51	233	31	286	30
75th percentile . . . . .	570	95	705	84	466	59	646	55
95th percentile . . . . .	2,116	186	2,427	165	1,634	127	2,203	113

Note: Metropolitan service areas include at least one metropolitan county.

county and 0.5 percent include 10 or more counties. Among the 775 HCCAs the distribution of numbers of counties per area is similar to that for the 800-area linked solution, although there are somewhat more single county HCCAs (23 percent compared with 17 percent). The percent of areas that cross State boundaries is 16 percent for both 800-area solutions, 7 percent for both 1400-area solutions, and 18 percent for the HCCAs. Only 2 percent of HIS PSUs cross State borders. Crossing of the 4 census region borders occurs for 1-3 percent of the service areas and 4 percent of HCCAs.

The percentage of areas that include only nonmetropolitan counties is greater for the 1400-area than 800-area solutions and greater for the linked than unlinked solutions, ranging from 54 percent for the 800-unlinked solution to 78 percent for the 1400-linked solution. Thus, more nonmetropolitan counties were joined with metropolitan counties in the unlinked solutions than the linked solutions, resulting in a higher median population for the unlinked solutions. In all 4 solutions a small number of service areas include at least 1 county from each of 2 or 3 MSAs, ranging from 0.5 percent for the 1400-linked solution to 6 percent for the 800-unlinked solution, and 7 percent for the HCCAs. Two service areas in the 800-unlinked solution and 4 service areas in the 800-linked solution include counties from 3 MSAs. Further, in the two unlinked solutions, some multiple-county MSAs split into more than one service area. For example, in the 800-unlinked solution counties from 42 MSAs split into 2 service areas and counties from an additional 22 MSAs split into 3 or more service areas. The 1987 median population per area ranged from 41,000 for the 1400-linked solution to 126,000 for the 800-unlinked solution. The 1987 median population was 33,000 for HIS PSUs and 77,000 for HCCAs.

Table B compares characteristics of service areas that include at least one metropolitan county with those that

do not. Areas that include both metro and nonmetro counties have been grouped with areas that include only metro counties because in both instances the most populated county is metropolitan. The distribution of the number of counties per area differs between metro and nonmetro service areas. The metro service areas include a larger number of counties than the nonmetro areas, particularly for the 800-linked solution where 16 percent of the 282 metro service areas have 10 or more counties. The percent of single county service areas is higher for nonmetro than metro service areas. More than half of the nonmetro areas in the 1400-area solutions are single county areas. The 1987 median population for the metro areas ranged from 233,000 for the 1400-unlinked solution to 362,000 for the 800-linked solution. For nonmetro areas the median population was 30-31 thousand for the 1400-area solutions and 51-56 thousand for the 800-area solutions.

### MSAs in linked and unlinked solutions

This section describes the 800-area solutions for specific MSAs (New York City, Chicago, San Francisco, and Washington, DC) to examine differences between the linked and unlinked solutions in greater detail. In each instance the 800-linked solution yields a single service area for the MSA, whereas the 800-unlinked solution splits the MSA into as many as 6 service areas.

The New York MSA consists of the following eight counties: Bronx, Kings (Brooklyn), New York (Manhattan), Putnam, Queens, Richmond (Staten Island), Rockland, and Westchester. In the 800-linked solution these 8 counties joined with a 2-county MSA, Nassau and Suffolk. In contrast, the 800-unlinked solution splits the New York MSA into the following 5 service areas that range in size from 1 to 4 counties: (a) Rockland; (b) Richmond and Kings; (c) Bronx and New York; (d) Queens, Nassau, and

**Table C. Availability of health care resources by type of area: United States**

[Data are for the coterminous United States]

Type of resource	Type of area						
	800 unlinked	800 linked	1400 unlinked	1400 linked	HCCA	HIS PSU	County
Patient care physicians, 1986	Physicians per 100,000 population						
5th percentile . . . . .	50	47	35	35	40	18	9
25th percentile . . . . .	78	75	60	57	72	46	40
50th percentile . . . . .	100	99	87	85	99	72	65
75th percentile . . . . .	137	133	124	122	138	114	108
95th percentile . . . . .	231	218	224	205	209	204	214
Short-stay hospital beds, 1987	Hospital beds per 100,000 population						
5th percentile . . . . .	236	241	198	206	233	—	—
25th percentile . . . . .	338	348	305	316	350	254	193
50th percentile . . . . .	429	433	417	424	440	389	344
75th percentile . . . . .	534	534	538	547	560	556	539
95th percentile . . . . .	836	834	933	1,042	933	1,131	1,090
Short-stay hospitals, 1987	Number of hospitals						
5th percentile . . . . .	1	1	1	1	1	—	—
25th percentile . . . . .	3	2	1	1	2	1	1
50th percentile . . . . .	5	4	2	2	4	2	1
75th percentile . . . . .	8	8	4	4	7	3	2
95th percentile . . . . .	20	22	12	13	25	8	5
Selected services, 1987	Percent of areas						
CT scanner . . . . .	86.3	82.5	69.8	65.2	78.3	53.0	45.5
Cardiac catheterization . . . . .	44.4	40.3	27.9	24.9	38.6	17.7	14.5
Magnetic resonance imaging . . . . .	26.1	24.3	16.5	14.8	24.3	10.5	8.4

Suffolk; (e) Putnam, Westchester, Dutchess (Poughkeepsie MSA), and Ulster (a nonmetropolitan county).

The Chicago MSA includes Cook, DuPage, and McHenry counties. In the 800-linked solution these counties form a 6-county health service area with the Lake MSA (Lake county) and the Joliet MSA (Grundy and Will counties). In the 800-unlinked solution the Chicago MSA counties form a 4-county health service area with Lake county. Grundy and Will counties form their own 2-county service area in the 800-unlinked solution.

The San Francisco MSA includes 3 counties (Marin, San Mateo, and San Francisco) that are linked with Sonoma county (the Santa Rosa-Petaluma MSA) to form a 4-county service area in the 800-linked solution. In the 800-unlinked solution these same 4 counties form 2 service areas, one including San Francisco and San Mateo counties and a second including Marin and Sonoma counties.

In addition to the District of Columbia, the Washington MSA includes five counties in Maryland and six counties in Virginia. The 800-linked solution yields a 17-county service area for the Washington MSA that includes the entire Washington MSA as well as 5 adjacent nonmetropolitan counties. In contrast, the 800-unlinked solution splits the Washington MSA into 6 service areas that include a total of 23 counties. The six service areas range in size from two to five counties. One Washington MSA county (Calvert, Maryland) links with the Baltimore MSA, and another Washington MSA county (Frederick, Maryland) links with the York, Pennsylvania MSA. Two other Washington MSA counties (Stafford, Virginia and

Prince William, Virginia) link with only nonmetropolitan counties. The District of Columbia links with four Maryland counties within its MSA (Charles, Montgomery, Prince George's, and St. Mary's) and the remaining Virginia counties within the Washington MSA form their own service area (Arlington, Fairfax, Loudoun, and Alexandria).

### Health care resources

Availability of health care resources by type of service area is shown in table C. The 1986 median physician to population ratio ranged from 85 per 100,000 in the 1400-linked solution to 100 per 100,000 in the 800-unlinked solution. The 1987 median hospital bed to population ratio ranged from 417 in the 1400-unlinked solution to 433 in the 800-linked solution. The median number of hospitals in 1987 was 2 for the 1400-area solutions and 4–5 in the 800-area solutions. The percent of areas with specialized hospital services (magnetic resonance imaging (MRI), cardiac catheterization, and computerized tomographic scanner (CT scanner)), was greater for the 800-area solutions than for the 1400-area solutions.

All four solutions exhibited substantial variability across service areas in the supply of health care resources per area. For example, for the 800-unlinked solution the number of patient care physicians per 100,000 population in 1986 ranged from 50 at the 5th percentile to 231 at the 95th percentile and the number of short-stay hospital beds per 100,000 population in 1987 ranged from 236 at the 5th percentile to 836 at the 95th percentile. Data on health care resources are also shown for counties and HIS PSUs



**Table D. Availability of health care resources by type and metropolitan status of area: United States**

[Data are for the coterminous United States]

Type of resource	Type and metropolitan status of area							
	800-unlinked		800-linked		1400-unlinked		1400-linked	
	Metro	Nonmetro	Metro	Nonmetro	Metro	Nonmetro	Metro	Nonmetro
Patent care physicians, 1986	Physicians per 100,000 population							
5th percentile . . . . .	75	42	89	42	64	31	91	32
25th percentile . . . . .	103	67	112	63	102	53	117	52
50th percentile . . . . .	132	84	140	83	133	73	148	72
75th percentile . . . . .	177	103	183	102	183	95	193	96
95th percentile . . . . .	274	145	265	143	283	145	280	145
Short-stay hospital beds, 1987	Hospital beds per 100,000 population							
5th percentile . . . . .	235	241	242	239	187	204	237	195
25th percentile . . . . .	321	360	344	353	293	315	326	314
50th percentile . . . . .	393	462	403	446	382	430	412	427
75th percentile . . . . .	495	575	509	561	499	567	512	565
95th percentile . . . . .	705	999	685	876	704	1,106	720	1,147
Short-stay hospitals, 1987	Number of hospitals							
5th percentile . . . . .	2	1	3	1	1	1	2	1
25th percentile . . . . .	5	2	6	2	3	1	5	1
50th percentile . . . . .	8	3	10	3	6	2	7	2
75th percentile . . . . .	12	5	16	4	8	3	12	3
95th percentile . . . . .	31	8	43	7	24	5	37	5
Selected services, 1987	Percent of areas							
CT scanner . . . . .	99.7	75.0	99.7	73.0	97.8	56.9	99.7	55.4
Cardiac catheterization . . . . .	80.3	14.2	89.4	13.0	72.1	7.5	88.1	6.9
Magnetic resonance imaging . . . . .	48.4	7.3	56.0	6.7	42.0	4.7	52.6	4.0

Note: Metropolitan service areas include at least one metropolitan county.

in table C for comparative purposes. There is more variability in health care resources at the county and PSU level because these geographic units are not service areas. For example, more than 5 percent of both counties and HIS PSUs do not have any short-stay hospitals and so residents of those areas must seek hospital care elsewhere.

Table D compares the supply of health care resources in metropolitan and nonmetropolitan areas. As expected, physician supply was greater in the metro than the nonmetro service areas. For example, in the 800-unlinked solution the median number of physicians per 100,000 population in 1986 was 132 for the metro areas and 84 for the nonmetro areas. The median number of hospitals in 1987 in the nonmetro service areas was about a third of that in the metro service areas (3 compared with 8–10 for the 800-area solutions). In contrast, the median number of hospital beds per 100,000 population was lower for metro than nonmetro service areas (393 compared with 462 for the 800-unlinked solution), reflecting the much larger population in metro than nonmetro service areas. Nonmetro service areas were much less likely than metro service areas to have facilities for cardiac catheterization or nuclear magnetic resonance. CT scanners were available in more than 70 percent of the nonmetro service areas for the 800-area solutions and nearly all metro service areas.

### Travel for health care

An important criterion for a health service area is the extent to which it is self-contained with respect to the provision of hospital care (20). The degree of self-

containment of the service areas has been evaluated using two data sources: 1988 Medicare data on routine short-stay hospital stays that were used to define the areas and 1989 National Health Interview Survey data on travel for short-stay hospital stays. Unlike the Medicare data set, which includes information about all counties in the United States, the HIS only includes data on a national sample of the civilian noninstitutionalized population. However, the HIS data provide information on all types of hospital stays (including specialized care) for the population under 65 years of age as well as those 65 years of age and over. Travel for hospital care has been measured in terms of both outflow (the proportion of stays by residents outside the area) and inflow (the proportion of stays provided in the area to nonresidents). In examining travel for hospital care it is important to consider metropolitan and nonmetropolitan areas separately. Although fewer hospital stays occur in nonmetropolitan areas, they are much more likely to involve substantial travel for care. Thus, counties have been classified according to metropolitan status and population using categories developed by the Department of Agriculture (15). In addition, certain tables classify service areas according to whether or not they include a metropolitan county.

Table E categorizes service areas according to the amount of travel outside the service area for routine hospital stays by Medicare beneficiaries. Service areas with less than 25 percent of residents' stays occurring outside the service area are providing the great majority of the routine hospital care for their residents and can be

**Table E. Percent distribution of areas and population according to travel for routine Medicare hospital stays by type of area: United States, 1988**

[Data are for the coterminous United States]

Travel measure	Type of area						County
	800 unlinked	800 linked	1400 unlinked	1400 linked	HCCA	HIS PSU	
Stays outside area by residents							
Percent distribution of areas							
Less than 25 percent . . . . .	65.8	62.0	42.4	40.1	56.1	28.6	22.6
25-49 percent . . . . .	33.8	37.2	50.5	50.5	37.9	39.6	38.0
50 percent or more . . . . .	0.4	0.8	7.1	9.4	5.9	31.8	39.4
Percent distribution of population living in areas							
Less than 25 percent . . . . .	93.1	94.4	84.6	88.5	93.9	83.3	65.3
25-49 percent . . . . .	6.9	5.5	14.7	10.5	5.7	11.8	23.8
50 percent or more . . . . .	0.0	0.0	0.7	1.1	0.4	4.9	10.9
Stays inside area by nonresidents							
Percent distribution of areas							
Less than 25 percent . . . . .	93.5	93.0	83.9	81.6	82.1	68.6	64.5
25-49 percent . . . . .	6.4	6.8	15.5	17.9	16.8	29.0	31.1
50 percent or more . . . . .	0.1	0.1	0.6	0.5	1.2	2.4	4.4
Percent distribution of population living in areas							
Less than 25 percent . . . . .	95.9	97.5	90.1	93.2	96.6	84.7	66.0
25-49 percent . . . . .	4.0	2.5	9.6	6.6	3.2	14.4	30.4
50 percent or more . . . . .	0.0	0.0	0.2	0.2	0.2	0.9	3.6

**Table F. Percent distribution of areas and population according to travel for routine Medicare hospital stays by type and metropolitan status of area: United States, 1988**

[Data are for the coterminous United States]

Travel measure	Type and metropolitan status of area									
	800-unlinked		800-linked		1400-unlinked		1400-linked		HCCA	
	Metro	Nonmetro	Metro	Nonmetro	Metro	Nonmetro	Metro	Nonmetro	Metro	Nonmetro
Stays outside area by residents										
Percent distribution of areas										
Less than 25 percent . . . . .	90.2	45.4	98.2	41.9	80.1	24.9	95.2	24.5	94.9	35.2
25-49 percent . . . . .	9.8	53.9	1.8	56.9	19.4	64.9	4.8	63.5	5.2	55.7
50 percent or more . . . . .	-	0.7	-	1.2	0.5	10.1	-	12.0	-	9.2
Percent distribution of population living in areas										
Less than 25 percent . . . . .	97.0	66.0	99.4	62.4	92.5	46.8	98.1	44.9	99.1	56.0
25-49 percent . . . . .	3.0	33.9	0.6	37.3	7.5	49.3	1.9	49.2	0.9	40.7
50 percent or more . . . . .	-	0.1	-	0.3	0.1	3.9	-	5.8	-	3.3
Stays inside area by nonresidents										
Percent distribution of areas										
Less than 25 percent . . . . .	94.8	92.4	95.7	91.5	85.5	83.1	87.7	79.8	92.7	76.3
25-49 percent . . . . .	5.2	7.3	4.3	8.3	13.6	16.4	11.3	19.8	6.6	22.3
50 percent or more . . . . .	-	0.2	-	0.2	0.9	0.4	1.0	0.4	0.7	1.4
Percent distribution of population living in areas										
Less than 25 percent . . . . .	96.1	95.1	98.2	93.2	90.8	86.7	95.7	81.8	98.1	85.7
25-49 percent . . . . .	3.9	4.8	1.8	6.7	8.9	13.2	4.1	18.0	1.7	13.7
50 percent or more . . . . .	-	0.1	-	0.1	0.3	0.1	0.2	0.2	0.2	0.5

Note: Metropolitan service areas include at least one metropolitan county.

considered adequate service areas. Areas with 25-49 percent of stays occurring outside the service area are not as well-defined, but still provide the majority of hospital care for their residents. Areas with 50 percent or more of stays outside the service area are problematic, as a majority of stays by residents are occurring outside the area. A similar classification for travel into the service area for hospital stays has also been made. The proportion of the population residing in areas with adequate, fair, and poor degrees of self-containment are also shown in table E.

In the 800-linked and 800-unlinked solutions, 62 and 66 percent of areas, respectively, had less than 25 percent

of routine Medicare stays occurring outside the areas in 1988 and less than 1 percent of the areas in these 2 solutions had a majority of stays outside the service area. In contrast, 56 percent of the HCCAs had less than 25 percent of stays outside the area and 6 percent of the HCCAs had a majority of stays outside the area. However, the proportion of the population residing in the most self-contained areas was similar for the 800-area solutions and the HCCAs (93-94 percent).

Both 800-area solutions had few routine Medicare stays occurring in the areas by nonresidents. Although the proportion of HCCAs with fewer than 25 percent nonresident

**Table G. Percent of short-stay hospital stays outside area of residence by age, type of county, and type of area: United States, 1989**  
 [Data are for the coterminous United States]

Age and type of county of residence	Number of stays in sample	Type of area						County
		800 unlinked	800 linked	1400 unlinked	1400 linked	HCCA	HIS PSU	
Under 65 years of age		Percent of hospital stays						
All counties . . . . .	8,770	18.6	15.3	22.3	18.2	14.8	19.5	33.4
Metropolitan . . . . .	6,511	14.7	11.1	17.9	12.6	10.6	10.4	27.6
Large core . . . . .	2,329	9.2	6.6	11.2	8.0	6.7	4.5	16.6
Large fringe. . . . .	1,321	16.9	9.0	24.8	11.4	8.2	7.1	43.1
Medium . . . . .	2,210	16.9	14.1	18.7	15.3	13.5	15.0	28.7
Small. . . . .	651	20.8	20.6	23.9	21.5	18.6	20.9	28.5
Nonmetropolitan . . . . .	2,259	30.6	28.1	35.8	35.4	27.9	48.0	51.3
Urban . . . . .	766	25.7	23.3	28.9	28.9	21.9	31.6	32.7
Less urban . . . . .	1,205	33.5	30.5	40.1	38.6	29.8	53.9	57.1
Rural . . . . .	288	32.1	31.7	36.9	39.8	36.9	69.3	79.1
65 years of age and over		Percent of hospital stays						
All counties . . . . .	3,321	16.2	13.5	18.9	16.4	14.1	20.0	29.5
Metropolitan . . . . .	2,281	10.1	7.6	12.2	8.5	7.6	7.9	20.1
Large core . . . . .	772	6.1	4.5	7.0	5.7	4.6	4.4	11.3
Large fringe. . . . .	477	12.6	5.6	16.7	7.4	6.7	5.1	32.3
Medium . . . . .	808	10.9	9.3	13.6	9.6	9.6	10.5	20.5
Small. . . . .	224	14.8	15.4	14.8	15.9	11.9	15.5	21.8
Nonmetropolitan . . . . .	1,040	31.0	27.9	34.9	35.4	29.9	49.2	51.9
Urban . . . . .	305	22.3	20.0	24.8	26.8	21.1	28.8	31.0
Less urban . . . . .	621	35.2	31.2	40.1	38.6	32.9	56.4	58.4
Rural . . . . .	114	31.2	31.3	34.0	41.3	37.8	65.1	73.0

Source: National Health Interview Survey, 1989

**Table H. Percent of routine Medicare hospital stays outside area of residence, by type of county and type of area: United States, 1988**  
 [Data are for the coterminous United States]

Type of county of residence	Type of area						County
	800 unlinked	800 linked	1400 unlinked	1400 linked	HCCA	HIS PSU	
		Percent of hospital stays					
All counties . . . . .	12.8	11.5	16.0	14.0	11.5	16.2	24.9
Metropolitan . . . . .	9.3	7.3	11.5	8.3	7.1	7.1	18.4
Large core . . . . .	7.0	5.1	8.8	5.9	5.1	4.1	12.9
Large fringe. . . . .	11.4	7.8	16.1	9.4	7.6	6.6	28.7
Medium . . . . .	9.6	8.1	11.0	8.7	7.9	8.8	17.8
Small. . . . .	11.0	10.7	12.0	12.1	9.8	12.8	17.0
Nonmetropolitan . . . . .	21.0	21.2	26.4	27.2	21.8	37.0	40.0
Urban . . . . .	15.3	15.5	18.3	19.7	15.0	22.2	23.2
Less urban . . . . .	22.1	22.3	28.7	29.2	23.2	39.8	42.5
Rural . . . . .	29.7	29.6	35.9	36.4	31.7	59.4	68.0

stays was somewhat lower than for the two 800-area solutions (82 percent compared with 93 percent), the percent of the population residing in such areas was similar for the HCCAs and the 800-area solutions (96–98 percent).

The 1400-linked and 1400-unlinked solutions had 40–42 percent of areas with fewer than 25 percent of 1988 routine Medicare stays occurring outside service areas. In contrast, only 29 percent of HIS PSUs and 23 percent of counties had fewer than 25 percent of stays outside the area. The population residing in adequate service areas represented 89 percent of the population for the 1400-

linked solution and 85 percent of the population for the 1400-unlinked solution. The comparable population proportions for HIS PSUs and counties were much lower, 69 percent and 65 percent, respectively.

Table F compares travel patterns for routine hospital stays by Medicare beneficiaries for metro and nonmetro service areas. These results show that metropolitan areas exhibited less outside-area travel than nonmetropolitan areas. The vast majority of metropolitan service areas (80–98 percent across the 4 solutions) had less than 25 percent of stays outside the area of residence. In contrast,

the majority of the nonmetropolitan service areas (54–65 percent across the 4 solutions) had 25–49 percent of stays outside the area of residence. The HCCAs showed a similar pattern.

Table G presents the percent of short-stay hospital stays outside the area of residence based on the 1989 National Health Interview Survey and compares travel patterns for persons under 65 years of age with those 65 years and over. Overall, the percent of hospital stays outside the area of residence was similar for both age groups for all four solutions, supporting the use of Medicare data to identify service areas that can also be used for those under 65 years of age. The greatest differences by age occurred for residents of metro counties where those under 65 years of age were somewhat more likely than older persons to travel outside the service areas (11–18 percent of stays for those under 65 years of age compared with 8–12 percent of stays for those over 65 years).

Table H presents results comparable to those shown in table G, based on the 1988 Medicare data. The percent of routine hospital stays by Medicare beneficiaries outside the area of residence was slightly lower than that for all hospital stays by persons 65 years of age and over based on the HIS (table G). This is consistent with the restriction of the Medicare data base to routine stays that are less likely

to require travel. Overall, the percent of routine Medicare hospital stays outside the area of residence ranged from 11.5 percent for the 800-linked solution to 16 percent for the 1400-unlinked solution. The percent of stays outside the area of residence was 11.5 percent for HCCAs and 16 percent for HIS PSUs. In contrast, 25 percent of routine Medicare hospital stays occurred outside the county of residence. The linked solutions yielded slightly less travel outside service areas than the unlinked solutions for large and medium metro counties. Among nonmetro counties, the linked and unlinked solutions were almost identical with respect to outside area travel. The percent of stays outside service areas for residents of nonmetro counties was 21 percent for both 800-area solutions and 26–27 percent for the 1400-area solutions. The 1400-area solutions yielded relatively high percents of stays outside service areas for residents of less urban and rural counties (29 percent and 36 percent, respectively). The comparable figures for the 800-area solutions were 22 percent and 30 percent. Although there was relatively little travel outside the HIS PSUs for residents of metro counties, the PSUs did not function well as service areas for nonmetro counties. For residents of nonmetro counties 37 percent of routine Medicare hospital stays occurred outside the PSU of residence, about the same as for counties.

# Summary

Health service areas were identified for the coterminous United States on the basis of travel patterns between counties by Medicare beneficiaries for routine hospital care. We used agglomerative hierarchical cluster analysis and the average linkage method to group counties into service areas. Four alternative solutions were generated that differed with respect to the number of areas and whether or not counties within an MSA were linked within the same service area.

The results showed that all four alternative solutions produced service areas that were adequate for the majority of the U.S. population. However, the 800-area solutions were more successful than the 1400-area solutions in the less populated areas of the country that are of particular interest in studying availability of health care resources. Thus, the 800-area solutions are preferable to the 1400-area solutions. The 800-linked and 800-unlinked solutions differ in the following respects. The 800-linked areas do not split MSAs into more than one service area, are less likely to include more than one MSA, and more likely to have no MSAs. The 800-unlinked areas split 63 MSAs into 2 or more service areas, are more likely to link a nonmetro county with a metro county, and have a more uniform distribution of number of counties per area.

Uniformity of size is a desirable characteristic in using the areas for small area analysis in health services research. Thus, although the 800-linked solution may be preferable for certain uses, the 800-unlinked solution appears to be the preferred solution for most applications.

Comparison of the new health service areas to the HIS PSUs, geographic units that have been used to approximate service areas (3), showed that the HIS PSUs are just as self-contained as the new service areas in metropolitan areas. However, the HIS PSUs do not perform well as service areas for nonmetropolitan counties. This is not surprising because the HIS PSUs consist of complete MSAs in metropolitan areas, but are often only single counties in nonmetropolitan areas.

Despite the fact that the HCCAs are based on data that are now 20 years old, the percent of short-stay hospital stays outside the HCCAs was similar to that for the new 800-unlinked service areas. The HCCAs were less self-contained than the new areas for nonmetropolitan service areas with small populations. Although the service areas for specific counties, particularly in nonmetropolitan areas, may have changed, the picture for the nation as a whole is that service areas appear to be fairly stable over time.

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# Appendix I

## Alternative distance measures

The following five alternative distance measures were considered for possible use in defining health service areas:

- A.  $1 - F_{ij}/C_j$  if  $P_i > P_j$ ,  
 $1 - F_{ji}/C_i$  otherwise.
- B.  $1 - (F_{ij} + F_{ji}) / (C_i + C_j)$
- C.  $1 - F_{ij}/(C_j - H_j)$  if  $P_j > P_i$ ,  
 $1 - F_{ji}/(C_i - H_i)$  otherwise.
- D.  $1 - (F_{ij} + F_{ji}) / (C_i + C_j - H_i - H_j)$
- E.  $1 - (F_{ij} + F_{ji}) / C_j$  if  $P_i > P_j$ ,  
 $1 - (F_{ij} + F_{ji}) / C_i$  otherwise.

See page 4 for definitions of  $F$ ,  $C$ ,  $P$ , and  $H$ .

All five measures contain a ratio of the flow of services between two counties and the consumption of services in one or both counties. The ratios are subtracted from 1 so that the distance measures are larger for pairs of counties with less interaction. All five measures range from 0 to 1. Three of the five measures take into account the relative size of the two counties, as measured by production of services.

Distance A relates the flow of demand for services to the larger county from the smaller to the total consumption of services by residents in the smaller county, that is, the proportion of total services used by residents of the smaller county that are provided by hospitals in the larger county. Distance B relates the sum of flow between two counties to the total consumption of services by the residents of both counties. Distance measures C and D are

similar to A and B, respectively, except that the home consumption of services is excluded from the denominator. Distance E relates the sum of flow between two counties to the consumption of services by the residents in the smaller county. Distance E is the measure used by the U.S. Department of Agriculture to define Labor Market Areas.

Measures B, C, and D have some undesirable properties. Measure B is often close to 1 because the total flow between two counties (the numerator) will often be quite small in relation to the total consumption of services by residents of both counties (the denominator). Distance measures C and D only take into account consumption which takes place outside the county of residence. Thus, the total demand for health care affects these measures much less than the other measures. As a result, a county that is practically self-supporting with an insignificant number of occurrences in other counties could be clustered with an adjacent county, rather than a smaller county that is dependent on services in neighboring counties.

Of these five measures, A and E appear to make the most sense. It follows from the definitions that E assumes values less than or equal to A. If there is no patient flow from the larger to the smaller county, E will equal A, and the difference between A and E will increase with increasing patient flow from larger to smaller counties. Measure A has the advantage that it is a proportion and that it emphasizes the most important direction of flow, from a smaller to a larger county. However, measure A has the disadvantage that it ignores patient flow from a larger to a smaller county, even when two counties are similar in size.



# Appendix II

## Maps of health service areas for the 800-area unlinked solution

Figure I. Health service areas in Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut

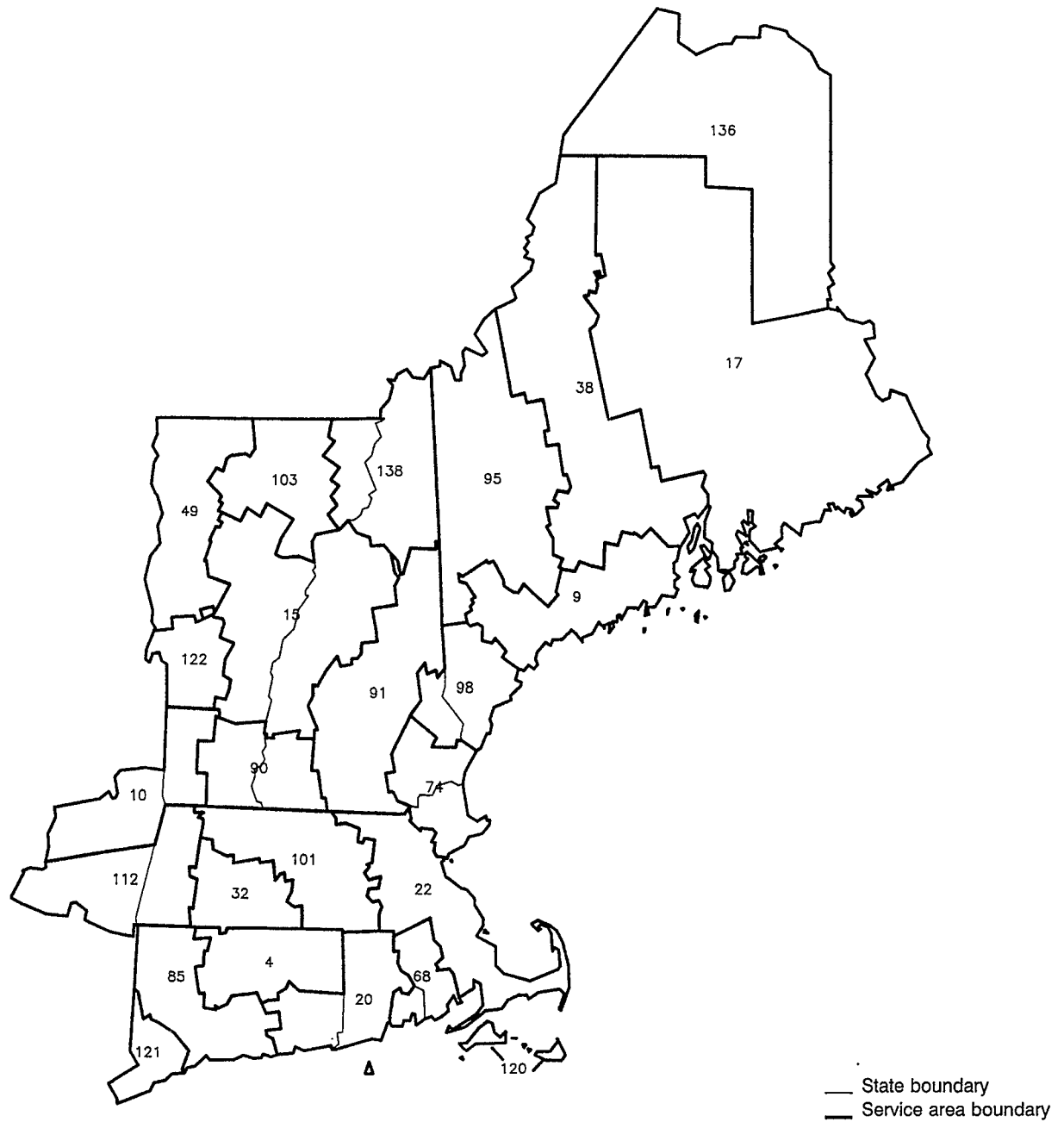
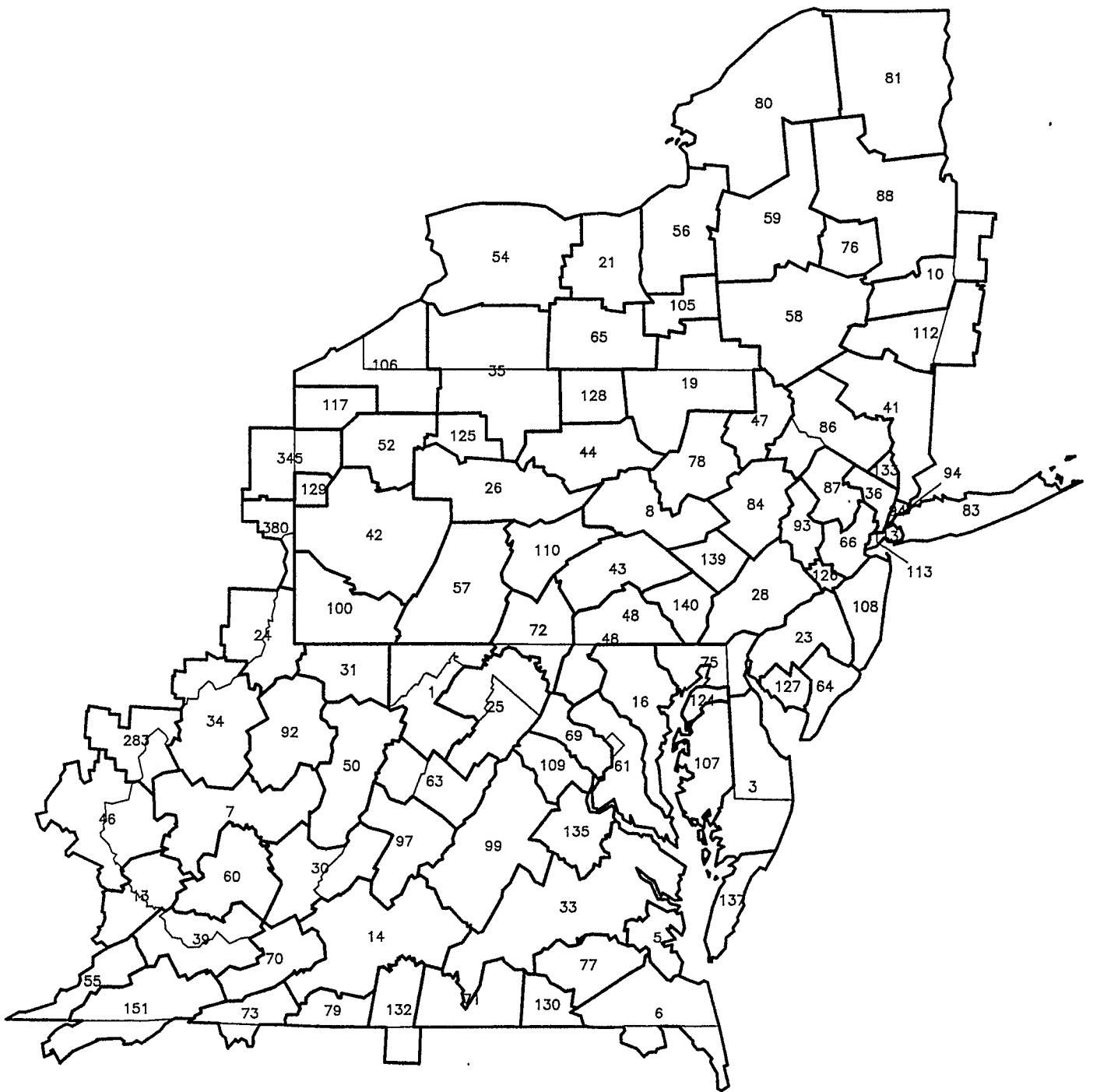


Figure II. Health service areas in New York, New Jersey, Pennsylvania, Delaware, Maryland, Washington, DC, Virginia, and West Virginia



— State boundary  
— Service area boundary

Figure III. Health service areas in Ohio, Indiana, Illinois, Michigan, and Wisconsin

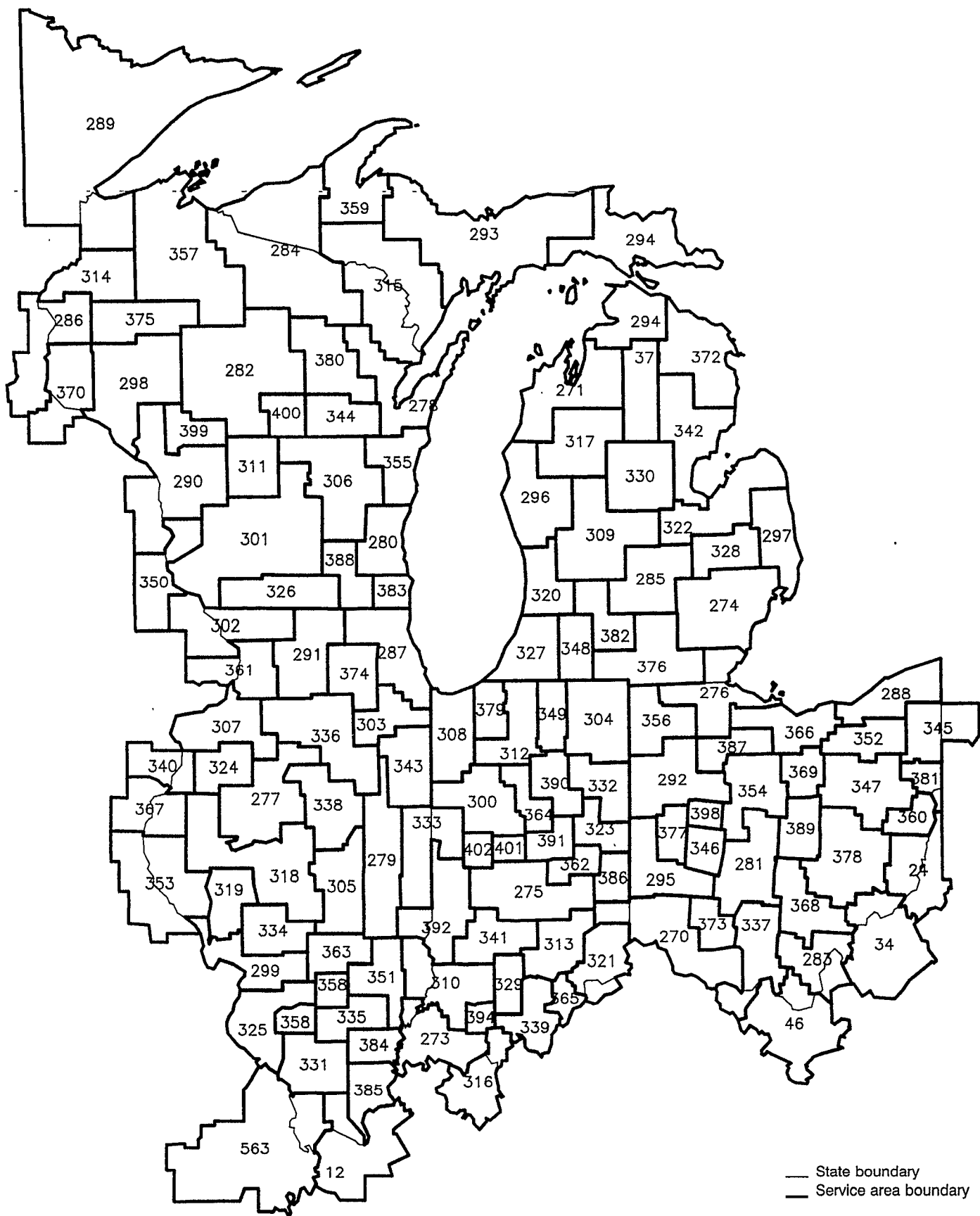


Figure IV. Health service areas in Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas

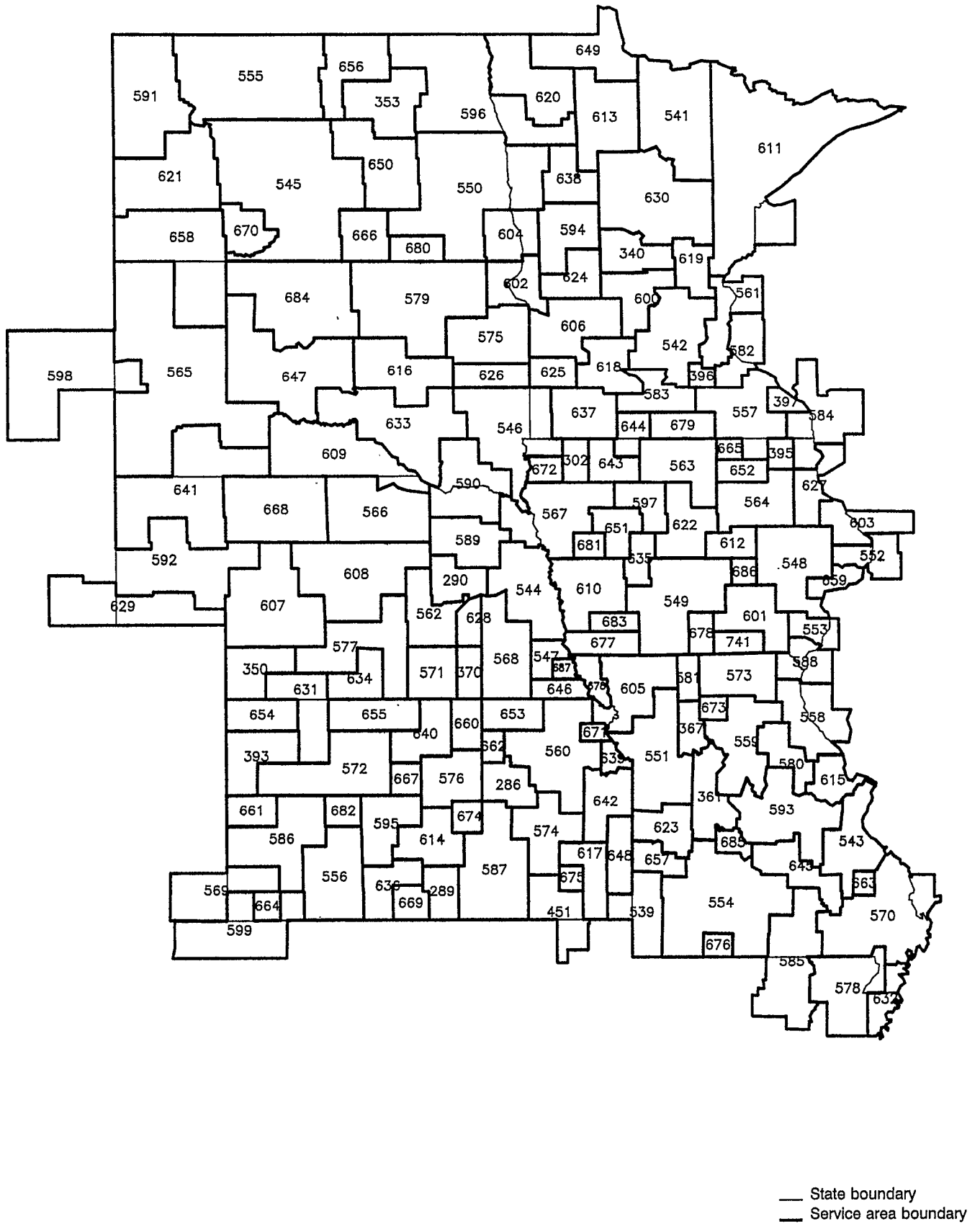


Figure V. Health service areas in North Carolina, South Carolina, Georgia, and Florida

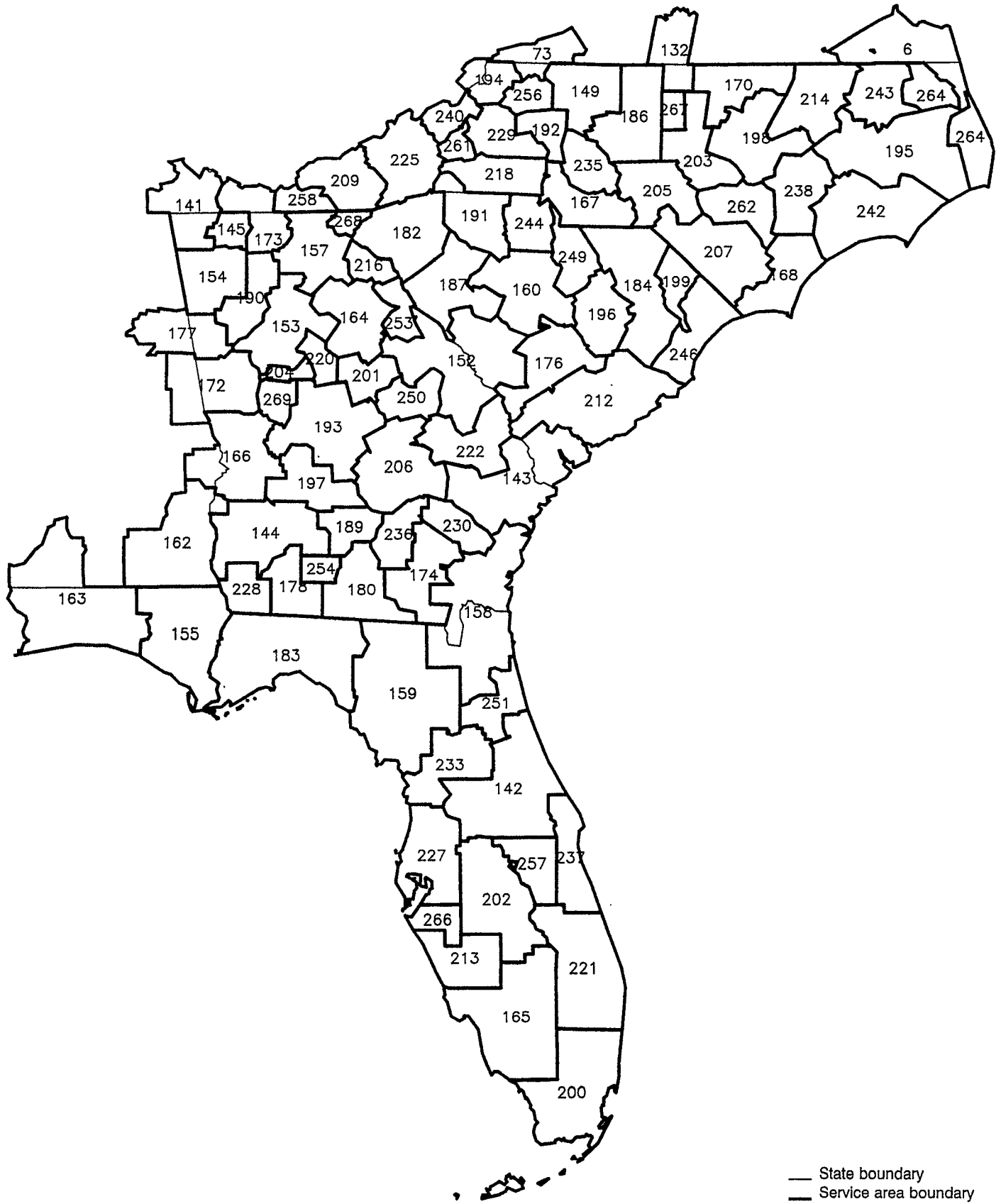
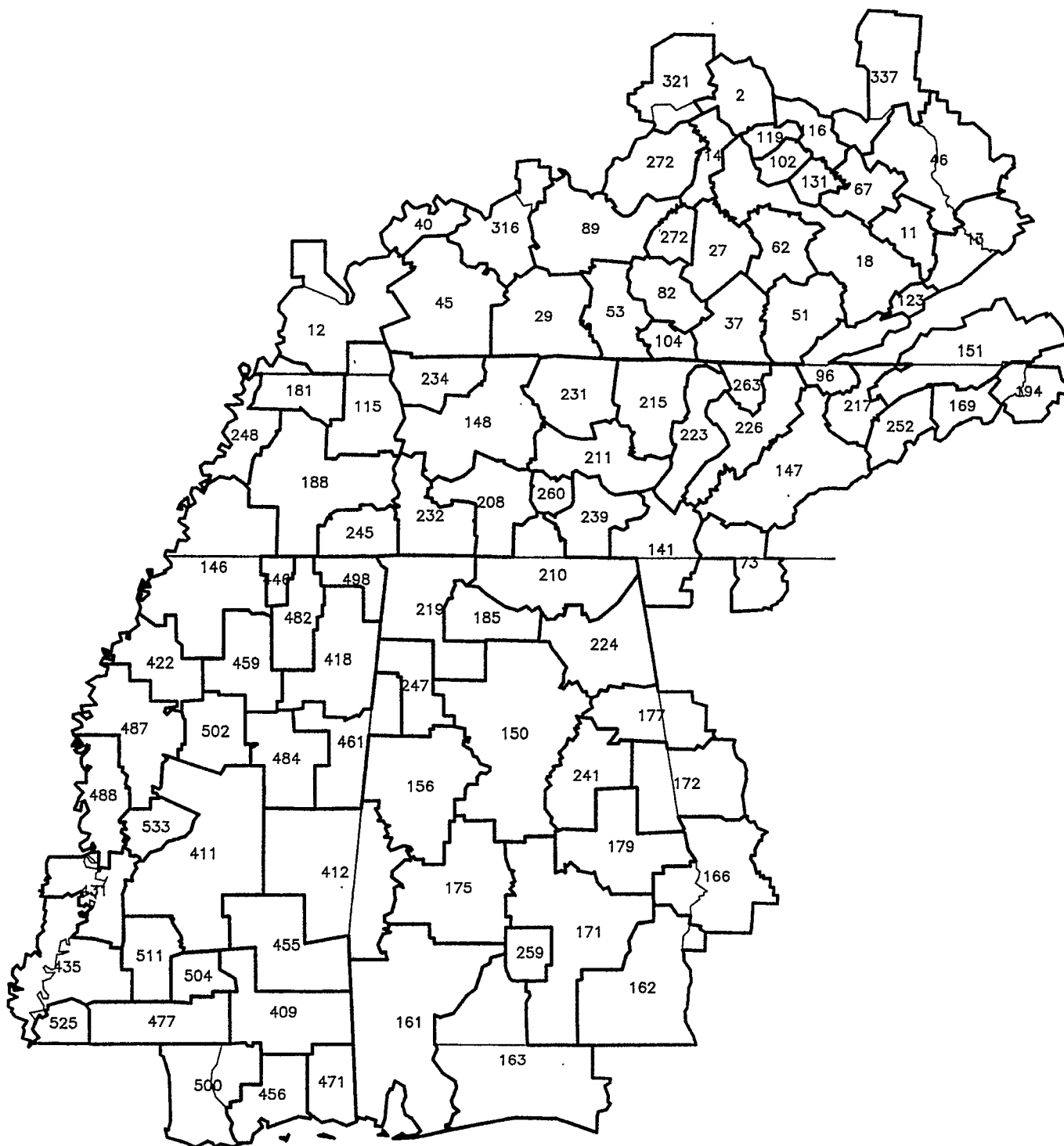
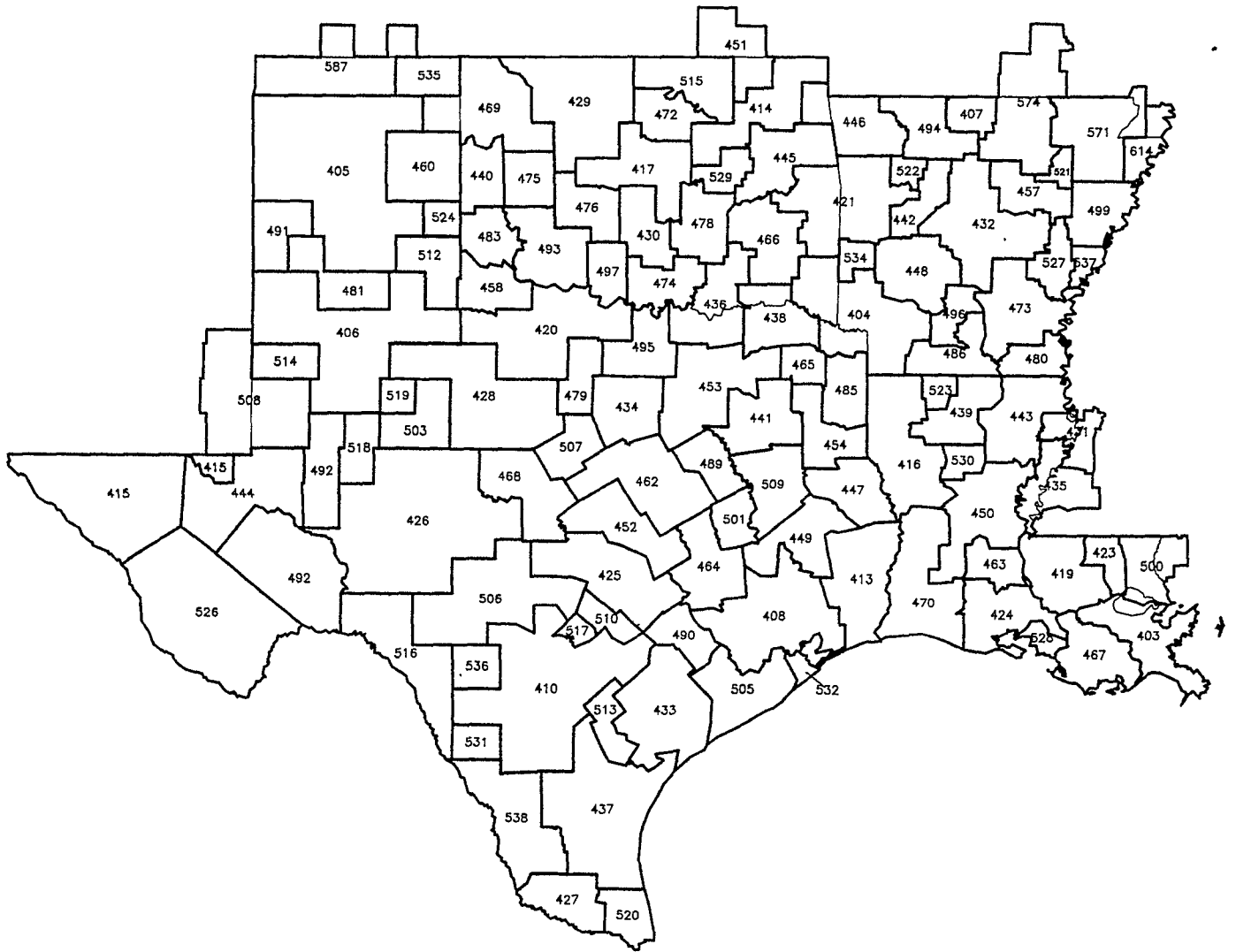


Figure VI. Health service areas in Kentucky, Tennessee, Alabama, and Mississippi



— State boundary  
— Service area boundary

Figure VII. Health service areas in Arkansas, Louisiana, Oklahoma, and Texas



— State boundary  
- - - Service area boundary

Figure VIII. Health service areas in Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada

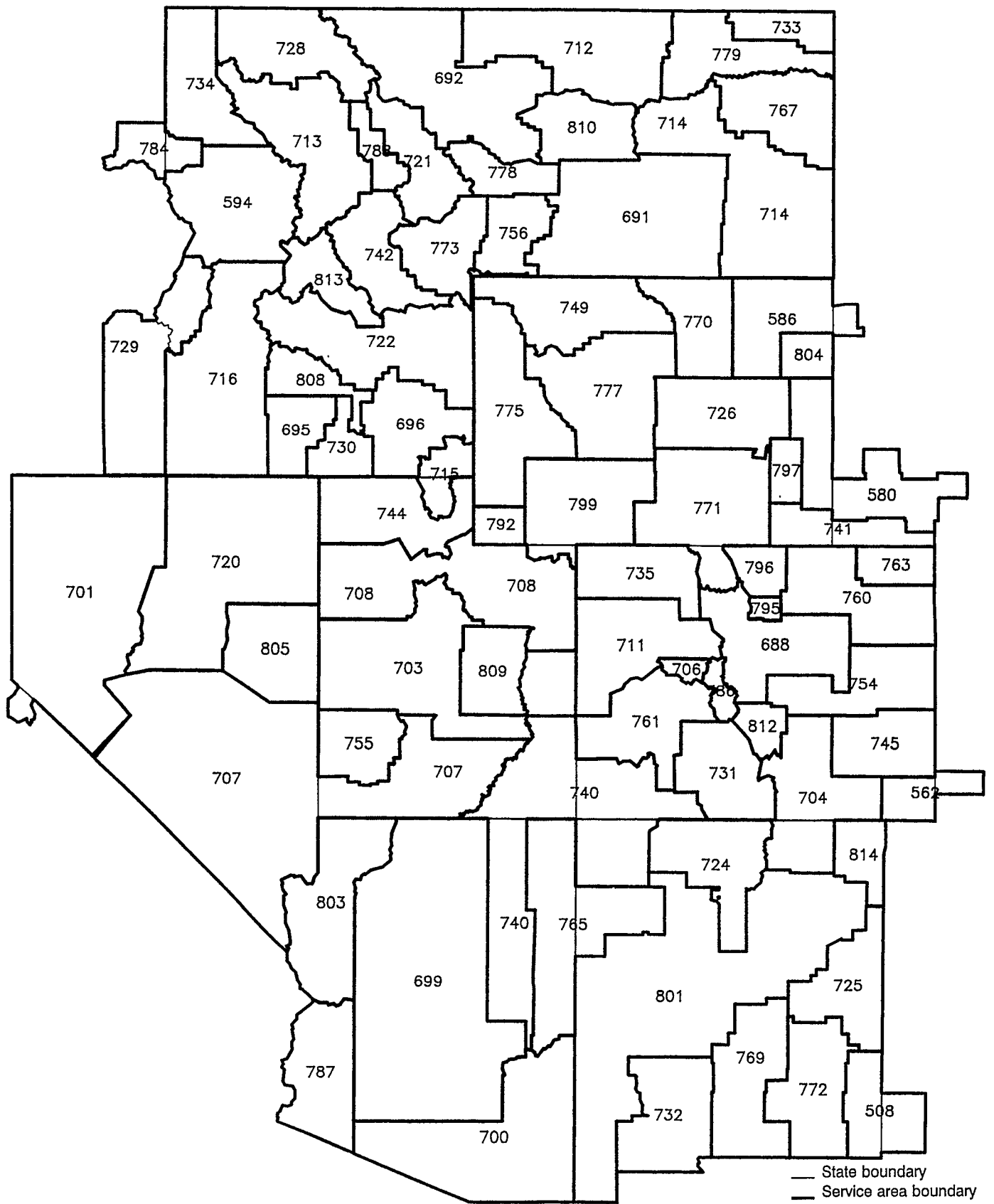
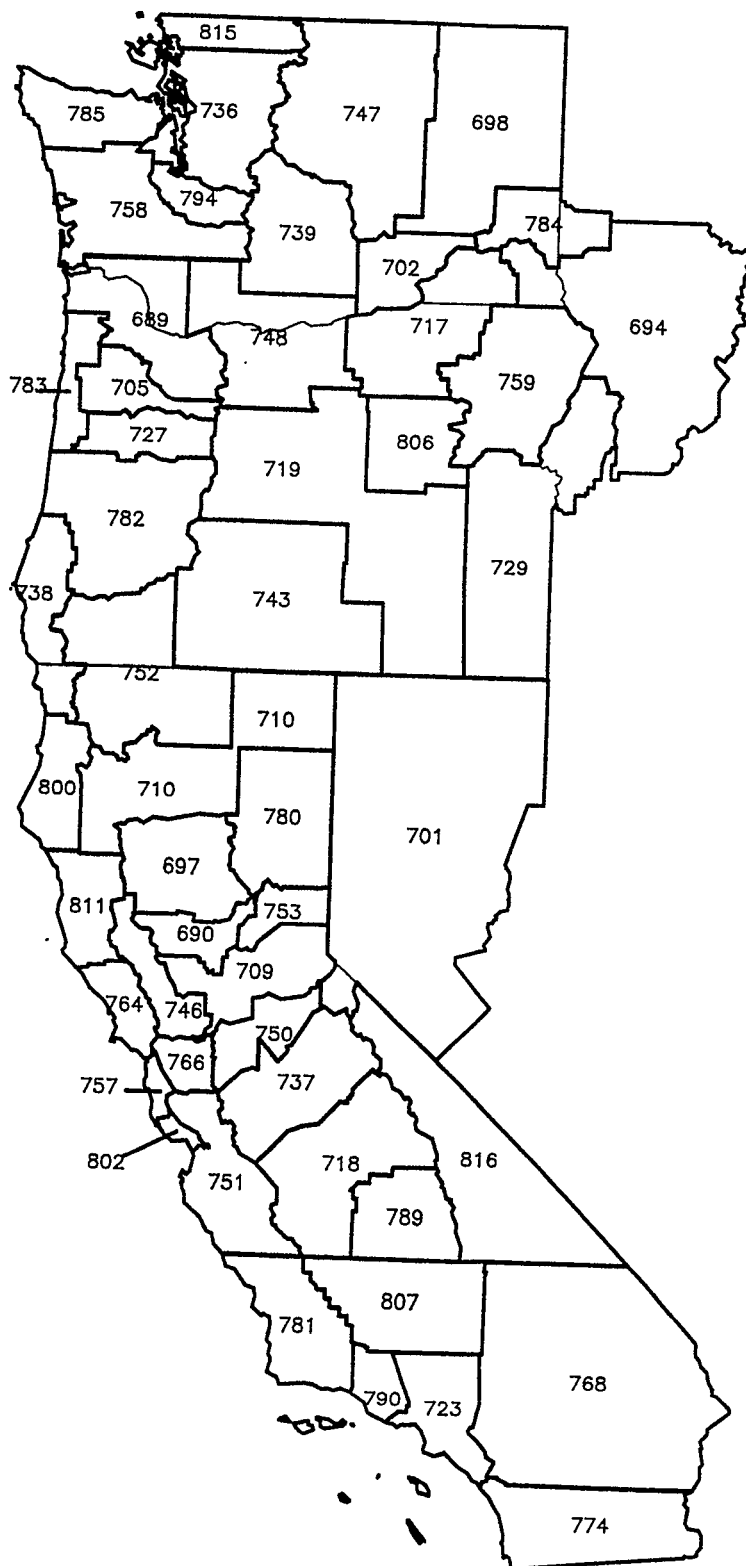




Figure IX. Health service areas in Washington, Oregon, and California



— State boundary  
— Service area boundary

# Appendix III

## Listings of health service areas

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
AL	Autauga . . . . .	171	274	138	231	AL	Washington . . . . .	161	264	145	238
AL	Baldwin . . . . .	161	409	145	238	AL	Wilcox . . . . .	175	278	158	251
AL	Barbour . . . . .	162	411	147	374	AL	Winston . . . . .	219	347	195	344
AL	Bibb . . . . .	150	395	148	241	AR	Arkansas . . . . .	527	910	411	859
AL	Blount . . . . .	150	396	148	241	AR	Ashley . . . . .	480	766	469	746
AL	Bullock . . . . .	171	274	138	231	AR	Baxter . . . . .	407	686	393	665
AL	Butler . . . . .	259	458	253	445	AR	Benton . . . . .	446	802	436	784
AL	Calhoun . . . . .	177	280	161	254	AR	Boone . . . . .	494	788	483	765
AL	Chambers . . . . .	172	406	155	392	AR	Bradley . . . . .	473	757	461	736
AL	Cherokee . . . . .	224	338	201	299	AR	Calhoun . . . . .	486	777	474	755
AL	Chilton . . . . .	150	252	148	241	AR	Carroll . . . . .	494	788	483	765
AL	Choctaw . . . . .	412	691	396	377	AR	Chicot . . . . .	480	766	469	746
AL	Clarke . . . . .	161	264	145	238	AR	Clark . . . . .	448	729	438	711
AL	Clay . . . . .	241	372	223	341	AR	Clay . . . . .	571	982	557	958
AL	Cleburne . . . . .	177	280	161	254	AR	Cleburne . . . . .	457	738	444	717
AL	Coffee . . . . .	162	265	147	240	AR	Cleveland . . . . .	473	757	461	736
AL	Colbert . . . . .	219	332	195	291	AR	Columbia . . . . .	486	777	474	755
AL	Conecuh . . . . .	163	329	180	274	AR	Conway . . . . .	432	849	411	682
AL	Coosa . . . . .	241	372	223	342	AR	Craighead . . . . .	571	723	557	704
AL	Covington . . . . .	171	360	216	320	AR	Crawford . . . . .	421	700	409	680
AL	Crenshaw . . . . .	171	360	216	320	AR	Crittenden . . . . .	499	794	399	670
AL	Cullman . . . . .	150	397	148	414	AR	Cross . . . . .	499	794	399	775
AL	Dale . . . . .	162	265	147	240	AR	Dallas . . . . .	496	791	485	767
AL	Dallas . . . . .	175	278	158	251	AR	Desha . . . . .	473	858	461	845
AL	DeKalb . . . . .	224	366	201	331	AR	Drew . . . . .	473	757	461	736
AL	Elmore . . . . .	179	282	138	231	AR	Faulkner . . . . .	432	711	411	682
AL	Escambia . . . . .	163	329	180	274	AR	Franklin . . . . .	421	700	409	680
AL	Etowah . . . . .	224	338	201	299	AR	Fulton . . . . .	574	977	575	954
AL	Fayette . . . . .	247	379	229	369	AR	Garland . . . . .	448	729	438	711
AL	Franklin . . . . .	219	347	195	291	AR	Grant . . . . .	432	711	411	682
AL	Geneva . . . . .	162	265	147	240	AR	Greene . . . . .	571	982	557	958
AL	Greene . . . . .	156	258	142	235	AR	Hempstead . . . . .	404	740	427	699
AL	Hale . . . . .	156	258	142	235	AR	Hot Spring . . . . .	448	862	411	820
AL	Henry . . . . .	162	265	147	240	AR	Howard . . . . .	404	880	427	849
AL	Houston . . . . .	162	265	147	240	AR	Independence . . . . .	574	958	560	936
AL	Jackson . . . . .	210	445	237	429	AR	Izard . . . . .	574	958	560	936
AL	Jackson . . . . .	150	252	148	241	AR	Jackson . . . . .	521	904	515	891
AL	Jefferson . . . . .	461	743	450	361	AR	Jefferson . . . . .	473	757	461	736
AL	Lamar . . . . .	219	332	195	291	AR	Johnson . . . . .	522	905	516	892
AL	Lauderdale . . . . .	185	288	169	262	AR	Lafayette . . . . .	404	683	427	699
AL	Lawrence . . . . .	179	282	138	304	AR	Lawrence . . . . .	571	723	557	704
AL	Lee . . . . .	210	320	194	290	AR	Lee . . . . .	499	794	399	775
AL	Limestone . . . . .	171	274	138	231	AR	Lincoln . . . . .	473	757	461	736
AL	Lowndes . . . . .	179	282	138	231	AR	Little River . . . . .	404	683	427	699
AL	Macon . . . . .	210	320	194	290	AR	Logan . . . . .	421	700	409	680
AL	Madison . . . . .	175	404	158	391	AR	Lonoke . . . . .	432	711	411	682
AL	Marengo . . . . .	247	379	229	370	AR	Madison . . . . .	446	727	436	709
AL	Marion . . . . .	224	366	201	332	AR	Marion . . . . .	407	686	393	665
AL	Marshall . . . . .	161	264	145	238	AR	Miller . . . . .	404	683	427	699
AL	Mobile . . . . .	161	449	145	419	AR	Mississippi . . . . .	614	1010	598	983
AL	Monroe . . . . .	171	274	138	231	AR	Monroe . . . . .	527	910	411	859
AL	Montgomery . . . . .	185	288	169	262	AR	Montgomery . . . . .	448	729	438	711
AL	Morgan . . . . .	175	278	158	251	AR	Nevada . . . . .	404	740	427	699
AL	Perry . . . . .	156	391	142	235	AR	Newton . . . . .	494	788	483	765
AL	Pickens . . . . .	171	274	235	427	AR	Ouachita . . . . .	496	791	485	767
AL	Pike . . . . .	172	407	155	393	AR	Perry . . . . .	432	711	411	682
AL	Randolph . . . . .	166	269	153	246	AR	Phillips . . . . .	537	920	525	901
AL	Russell . . . . .	150	252	148	241	AR	Pike . . . . .	448	729	438	711
AL	Shelby . . . . .	150	252	148	241	AR	Poinsett . . . . .	571	723	557	704
AL	St. Clair . . . . .	150	252	148	241	AR	Polk . . . . .	534	917	501	877
AL	Sumter . . . . .	412	691	396	668	AR	Pope . . . . .	442	722	430	702
AL	Talladega . . . . .	241	372	223	342	AR	Prairie . . . . .	432	711	411	682
AL	Tallapoosa . . . . .	179	282	138	304	AR	Pulaski . . . . .	432	711	411	682
AL	Tuscaloosa . . . . .	156	258	142	235						
AL	Walker . . . . .	150	441	148	241						

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
AR	Randolph . . . . .	571	723	557	704	CA	Santa Clara . . . . .	751	1268	736	1248
AR	Saline . . . . .	432	711	411	682	CA	Santa Cruz . . . . .	802	1403	790	1389
AR	Scott . . . . .	421	887	409	811	CA	Shasta . . . . .	710	1223	696	1204
AR	Searcy . . . . .	494	788	483	765	CA	Sierra . . . . .	753	1270	738	1250
AR	Sebastian . . . . .	421	700	409	680	CA	Siskiyou . . . . .	752	1373	737	1359
AR	Sevier . . . . .	404	747	427	727	CA	Solano . . . . .	746	1262	750	1266
AR	Sharp . . . . .	574	958	560	936	CA	Sonoma . . . . .	764	1284	754	1293
AR	St. Francis . . . . .	499	794	399	775	CA	Stanislaus . . . . .	737	1312	723	1302
AR	Stone . . . . .	574	854	560	841	CA	Sutter . . . . .	690	1202	731	1272
AR	Union . . . . .	486	777	474	755	CA	Tehama . . . . .	697	1350	684	1337
AR	Van Buren . . . . .	432	711	411	682	CA	Trinity . . . . .	710	1223	696	1204
AR	Washington . . . . .	446	727	436	709	CA	Tulare . . . . .	789	1390	777	1376
AR	White . . . . .	457	738	444	717	CA	Tuolumne . . . . .	737	1368	735	1346
AR	Woodruff . . . . .	457	738	444	717	CA	Ventura . . . . .	790	1391	778	1377
AR	Yell . . . . .	442	722	430	702	CA	Yolo . . . . .	709	1222	731	1242
						CA	Yuba . . . . .	690	1202	731	1272
AZ	Apache . . . . .	765	1285	747	1263	CO	Adams . . . . .	688	1200	691	1199
AZ	Cochise . . . . .	700	1213	687	1195	CO	Alamosa . . . . .	731	1245	718	1228
AZ	Coconino . . . . .	699	1241	686	1224	CO	Arapahoe . . . . .	688	1200	691	1199
AZ	Gila . . . . .	699	1212	686	1194	CO	Archuleta . . . . .	740	1292	726	1278
AZ	Graham . . . . .	700	1327	687	1315	CO	Baca . . . . .	562	1386	547	1372
AZ	Greenlee . . . . .	700	1327	687	1315	CO	Bent . . . . .	745	1261	730	1241
AZ	Maricopa . . . . .	699	1212	686	1194	CO	Boulder . . . . .	795	1396	784	1383
AZ	Mohave . . . . .	803	1404	764	1339	CO	Chaffee . . . . .	786	1383	771	1369
AZ	Navajo . . . . .	740	1255	726	1236	CO	Cheyenne . . . . .	754	1381	691	1334
AZ	Pima . . . . .	700	1213	687	1195	CO	Clear Creek . . . . .	688	1200	691	1199
AZ	Pinal . . . . .	699	1212	686	1194	CO	Conejos . . . . .	731	1245	718	1228
AZ	Santa Cruz . . . . .	700	1213	687	1195	CO	Costilla . . . . .	731	1245	718	1228
AZ	Yavapai . . . . .	699	1241	686	1224	CO	Crowley . . . . .	745	1261	730	1241
AZ	Yuma . . . . .	787	1388	775	1374	CO	Custer . . . . .	812	1413	794	1393
CA	Alameda . . . . .	766	1286	750	1365	CO	Delta . . . . .	761	1377	744	1363
CA	Alpine . . . . .	701	1265	688	1245	CO	Denver . . . . .	688	1200	691	1199
CA	Amador . . . . .	750	1335	731	1242	CO	Dolores . . . . .	740	1293	726	1279
CA	Butte . . . . .	697	1210	684	1192	CO	Douglas . . . . .	688	1200	691	1199
CA	Calaveras . . . . .	750	1267	735	1247	CO	Eagle . . . . .	711	1224	697	1205
CA	Colusa . . . . .	690	1367	731	1273	CO	El Paso . . . . .	754	1271	691	1251
CA	Contra Costa . . . . .	766	1286	750	1365	CO	Elbert . . . . .	688	1200	691	1199
CA	Del Norte . . . . .	738	1252	724	1234	CO	Fremont . . . . .	812	1413	794	1393
CA	El Dorado . . . . .	709	1334	731	1242	CO	Garfield . . . . .	711	1224	697	1205
CA	Fresno . . . . .	718	1231	704	1212	CO	Gilpin . . . . .	688	1200	691	1199
CA	Glenn . . . . .	697	1210	684	1192	CO	Grand . . . . .	688	1200	691	1199
CA	Humboldt . . . . .	800	1401	789	1388	CO	Gunnison . . . . .	761	1280	744	1259
CA	Imperial . . . . .	774	1309	756	1299	CO	Hinsdale . . . . .	761	1280	744	1259
CA	Inyo . . . . .	816	1419	803	1403	CO	Huerfano . . . . .	704	1217	690	1198
CA	Kern . . . . .	807	1408	799	1398	CO	Jackson . . . . .	771	1295	752	1281
CA	Kings . . . . .	718	1329	704	1317	CO	Jefferson . . . . .	688	1200	691	1199
CA	Lake . . . . .	746	1362	750	1266	CO	Kiowa . . . . .	745	1261	730	1241
CA	Lassen . . . . .	780	1342	763	1329	CO	Kit Carson . . . . .	754	1346	691	1404
CA	Los Angeles . . . . .	723	1236	710	1219	CO	La Plata . . . . .	740	1292	726	1278
CA	Madera . . . . .	718	1231	704	1212	CO	Lake . . . . .	786	1384	772	1370
CA	Marin . . . . .	764	1284	754	1292	CO	Larimer . . . . .	796	1397	785	1384
CA	Mariposa . . . . .	737	1251	723	1233	CO	Las Animas . . . . .	704	1308	690	1297
CA	Mendocino . . . . .	811	1412	770	1368	CO	Lincoln . . . . .	754	1271	691	1251
CA	Merced . . . . .	737	1251	723	1233	CO	Logan . . . . .	763	1283	746	1262
CA	Modoc . . . . .	710	1361	696	1351	CO	Mesa . . . . .	711	1224	697	1205
CA	Mono . . . . .	816	1419	803	1403	CO	Mineral . . . . .	731	1338	718	1325
CA	Monterey . . . . .	751	1385	773	1371	CO	Moffat . . . . .	735	1249	722	1232
CA	Napa . . . . .	746	1262	750	1266	CO	Montezuma . . . . .	740	1293	726	1279
CA	Nevada . . . . .	753	1270	738	1250	CO	Montrose . . . . .	761	1280	744	1259
CA	Orange . . . . .	723	1379	710	1366	CO	Morgan . . . . .	760	1279	743	1258
CA	Placer . . . . .	709	1222	731	1242	CO	Otero . . . . .	745	1261	730	1241
CA	Plumas . . . . .	780	1343	763	1330	CO	Ouray . . . . .	761	1280	744	1259
CA	Riverside . . . . .	768	1288	764	1338	CO	Park . . . . .	688	1200	691	1199
CA	Sacramento . . . . .	709	1222	731	1242	CO	Phillips . . . . .	763	1283	746	1262
CA	San Benito . . . . .	751	1268	736	1248	CO	Pitkin . . . . .	711	1339	697	1326
CA	San Bernardino . . . . .	768	1288	764	1338	CO	Prowers . . . . .	745	1378	730	1364
CA	San Diego . . . . .	774	1310	756	1298	CO	Pueblo . . . . .	704	1217	690	1198
CA	San Francisco . . . . .	757	1275	754	1292	CO	Rio Blanco . . . . .	711	1224	697	1205
CA	San Joaquin . . . . .	750	1267	735	1247	CO	Rio Grande . . . . .	731	1338	718	1325
CA	San Luis Obispo . . . . .	781	1355	765	1345	CO	Routt . . . . .	735	1249	722	1232
CA	San Mateo . . . . .	757	1275	754	1292	CO	Saguache . . . . .	731	1338	718	1325
CA	Santa Barbara . . . . .	781	1356	765	1344	CO	San Juan . . . . .	740	1292	726	1278

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
CO	San Miguel . . . . .	761	1280	744	1259	FL	Pasco . . . . .	227	343	240	432
CO	Sedgwick . . . . .	763	1328	746	1316	FL	Pinellas . . . . .	227	413	240	432
CO	Summit . . . . .	688	1200	691	1199	FL	Polk . . . . .	202	312	188	284
CO	Teller . . . . .	754	1271	691	1251	FL	Putnam . . . . .	251	420	146	407
CO	Washington . . . . .	760	1294	743	1280	FL	Santa Rosa . . . . .	163	266	180	274
CO	Weld . . . . .	760	1279	743	1258	FL	Sarasota . . . . .	213	323	196	327
CO	Yuma . . . . .	760	1349	743	1336	FL	Seminole . . . . .	142	244	215	318
CT	Fairfield . . . . .	121	223	116	209	FL	St. Johns . . . . .	251	421	139	232
CT	Hartford . . . . .	4	5	62	161	FL	St. Lucie . . . . .	221	335	226	395
CT	Litchfield . . . . .	85	97	62	65	FL	Sumter . . . . .	265	464	215	318
CT	Middlesex . . . . .	85	180	62	161	FL	Suwannee . . . . .	159	302	133	275
CT	New Haven . . . . .	85	97	62	66	FL	Taylor . . . . .	183	286	166	259
CT	New London . . . . .	20	104	95	188	FL	Union . . . . .	159	261	133	226
CT	Tolland . . . . .	4	5	62	161	FL	Volusia . . . . .	142	263	146	239
CT	Windham . . . . .	4	5	95	188	FL	Wakulla . . . . .	183	286	166	259
DC	The District . . . . .	61	78	16	16	FL	Walton . . . . .	163	295	177	270
DE	Kent . . . . .	3	57	37	37	FL	Washington . . . . .	155	325	141	294
DE	New Castle . . . . .	75	168	101	194	GA	Appling . . . . .	230	349	208	311
DE	Sussex . . . . .	3	57	37	37	GA	Atkinson . . . . .	236	363	217	322
FL	Alachua . . . . .	159	261	133	226	GA	Bacon . . . . .	174	277	157	371
FL	Baker . . . . .	158	260	139	232	GA	Baker . . . . .	144	246	135	228
FL	Bay . . . . .	155	257	141	234	GA	Baldwin . . . . .	201	311	187	283
FL	Bradford . . . . .	159	261	133	226	GA	Banks . . . . .	157	259	143	236
FL	Brevard . . . . .	237	364	218	325	GA	Barrow . . . . .	164	267	134	227
FL	Broward . . . . .	200	432	186	415	GA	Bartow . . . . .	154	387	140	380
FL	Calhoun . . . . .	155	356	213	316	GA	Ben Hill . . . . .	189	292	174	267
FL	Charlotte . . . . .	213	323	196	292	GA	Berrien . . . . .	180	344	164	305
FL	Citrus . . . . .	233	355	212	315	GA	Bibb . . . . .	193	300	178	271
FL	Clay . . . . .	158	260	139	232	GA	Bleckley . . . . .	193	339	178	300
FL	Collier . . . . .	165	418	152	399	GA	Brantley . . . . .	158	305	139	277
FL	Columbia . . . . .	159	302	133	275	GA	Brooks . . . . .	180	283	164	257
FL	Dade . . . . .	200	310	186	282	GA	Bryan . . . . .	143	245	150	243
FL	De Soto . . . . .	213	323	196	292	GA	Bulloch . . . . .	222	336	200	298
FL	Dixie . . . . .	159	261	133	226	GA	Burke . . . . .	152	428	149	396
FL	Duval . . . . .	158	260	139	232	GA	Butts . . . . .	204	314	134	227
FL	Escambia . . . . .	163	266	180	274	GA	Calhoun . . . . .	144	342	135	303
FL	Flagler . . . . .	142	263	146	239	GA	Camden . . . . .	158	305	139	277
FL	Franklin . . . . .	183	286	166	259	GA	Candler . . . . .	222	336	200	298
FL	Gadsden . . . . .	183	286	166	259	GA	Carroll . . . . .	177	299	161	272
FL	Gilchrist . . . . .	159	261	133	226	GA	Catoosa . . . . .	141	243	182	278
FL	Glades . . . . .	165	268	152	245	GA	Charlton . . . . .	158	383	139	232
FL	Gulf . . . . .	155	257	141	234	GA	Chatham . . . . .	143	245	150	243
FL	Hamilton . . . . .	255	454	243	435	GA	Chattahoochee . . . . .	166	269	153	246
FL	Hardee . . . . .	202	312	188	284	GA	Chattooga . . . . .	154	256	140	233
FL	Hendry . . . . .	165	268	152	245	GA	Cherokee . . . . .	190	293	134	227
FL	Hernando . . . . .	227	343	240	432	GA	Clarke . . . . .	164	267	163	256
FL	Highlands . . . . .	202	312	188	284	GA	Clay . . . . .	144	342	135	303
FL	Hillsborough . . . . .	227	452	240	432	GA	Clayton . . . . .	153	294	134	227
FL	Holmes . . . . .	155	325	141	294	GA	Clinch . . . . .	174	429	157	412
FL	Indian River . . . . .	237	364	218	326	GA	Cobb . . . . .	190	297	134	227
FL	Jackson . . . . .	155	356	213	316	GA	Coffee . . . . .	236	363	217	322
FL	Jefferson . . . . .	183	286	166	259	GA	Colquitt . . . . .	254	453	247	439
FL	Lafayette . . . . .	159	261	133	226	GA	Columbia . . . . .	152	254	149	242
FL	Lake . . . . .	265	464	215	318	GA	Cook . . . . .	180	283	164	257
FL	Lee . . . . .	165	268	152	245	GA	Coweta . . . . .	172	275	134	227
FL	Leon . . . . .	183	286	166	259	GA	Crawford . . . . .	193	300	178	271
FL	Levy . . . . .	159	261	133	226	GA	Crisp . . . . .	197	307	184	280
FL	Liberty . . . . .	183	286	166	259	GA	Dade . . . . .	141	243	182	278
FL	Madison . . . . .	183	419	166	403	GA	Dawson . . . . .	157	259	143	236
FL	Manatee . . . . .	266	465	239	431	GA	De Kalb . . . . .	153	255	134	227
FL	Marion . . . . .	233	355	212	315	GA	Decatur . . . . .	228	345	203	306
FL	Martin . . . . .	221	335	226	395	GA	Dodge . . . . .	206	384	190	378
FL	Monroe . . . . .	200	310	186	282	GA	Dooley . . . . .	197	307	184	280
FL	Nassau . . . . .	158	260	139	232	GA	Dougherty . . . . .	144	246	135	228
FL	Okaloosa . . . . .	163	295	177	270	GA	Douglas . . . . .	190	297	134	227
FL	Okeechobee . . . . .	221	376	226	356	GA	Early . . . . .	144	342	135	303
FL	Orange . . . . .	142	244	215	318	GA	Echols . . . . .	180	283	164	257
FL	Osceola . . . . .	257	456	215	318	GA	Effingham . . . . .	143	245	150	243
FL	Palm Beach . . . . .	221	376	226	355	GA	Elbert . . . . .	253	437	233	422
						GA	Emanuel . . . . .	222	336	200	336
						GA	Evans . . . . .	143	381	150	376
						GA	Fannin . . . . .	173	276	156	249

Table 1. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
GA	Fayette	153	294	134	227	GA	Sumter	197	346	205	308
GA	Floyd	154	256	140	233	GA	Talbot	166	269	153	246
GA	Forsyth	153	255	134	227	GA	Taliaferro	152	254	149	242
GA	Franklin	216	327	199	296	GA	Tattall	143	245	150	347
GA	Fulton	153	255	134	227	GA	Taylor	193	300	178	271
GA	Gilmer	173	446	134	386	GA	Telfair	206	316	190	286
GA	Glascocock	152	254	149	242	GA	Terrell	144	246	135	228
GA	Glynn	158	305	139	277	GA	Thomas	178	281	162	255
GA	Gordon	154	256	140	366	GA	Tift	189	292	174	267
GA	Grady	178	281	162	255	GA	Toombs	206	436	190	421
GA	Greene	164	422	163	256	GA	Towns	157	333	143	297
GA	Gwinnett	153	330	134	227	GA	Treutlen	206	316	190	286
GA	Habersham	157	259	143	330	GA	Troup	172	275	155	248
GA	Hall	157	259	143	236	GA	Turner	189	292	174	267
GA	Hancock	201	311	187	283	GA	Twiggs	193	300	178	271
GA	Haralson	177	299	161	272	GA	Union	157	333	143	297
GA	Harris	166	269	153	246	GA	Upson	269	468	257	449
GA	Hart	216	327	199	296	GA	Walker	141	243	182	278
GA	Heard	172	275	155	248	GA	Walton	153	330	134	227
GA	Henry	153	294	134	227	GA	Ware	174	277	157	250
GA	Houston	193	300	178	271	GA	Warren	152	254	149	242
GA	Irwin	189	292	174	267	GA	Washington	250	415	249	441
GA	Jackson	164	267	163	256	GA	Wayne	230	349	208	311
GA	Jasper	220	334	134	227	GA	Webster	166	269	153	246
GA	Jeff Davis	236	363	217	322	GA	Wheeler	206	316	190	286
GA	Jefferson	250	414	149	354	GA	White	157	259	143	236
GA	Jenkins	152	442	149	409	GA	Whitfield	145	247	136	229
GA	Johnson	206	316	190	286	GA	Wilcox	197	307	184	280
GA	Jones	193	300	178	271	GA	Wilkes	253	438	233	423
GA	Lamar	269	468	134	227	GA	Wilkinson	193	300	178	271
GA	Lanier	180	344	164	305	GA	Worth	144	246	135	228
GA	Laurens	206	316	190	286	IA	Adair	546	1023	608	994
GA	Lee	144	246	135	228	IA	Adams	647	1054	631	1027
GA	Liberty	143	245	150	243	IA	Allamakee	290	487	268	1131
GA	Lincoln	152	254	149	242	IA	Appanoose	649	1056	633	1038
GA	Long	143	245	150	243	IA	Audubon	596	1043	622	1014
GA	Lowndes	180	283	164	257	IA	Benton	545	928	528	904
GA	Lumpkin	157	259	143	236	IA	Black Hawk	557	942	548	925
GA	Macon	197	346	205	308	IA	Boone	606	999	589	1044
GA	Madison	164	267	163	256	IA	Bremer	557	942	548	925
GA	Marion	166	269	153	246	IA	Buchanan	557	942	548	925
GA	McDuffie	152	254	149	242	IA	Buena Vista	580	1121	530	1111
GA	McIntosh	158	305	139	277	IA	Butler	557	942	548	925
GA	Meriwether	172	275	155	248	IA	Calhoun	633	1034	617	1005
GA	Miller	228	345	203	364	IA	Carroll	633	1079	617	1070
GA	Mitchell	178	281	162	255	IA	Cass	596	1043	622	1014
GA	Monroe	193	398	178	271	IA	Cedar	545	928	528	904
GA	Montgomery	206	316	190	286	IA	Cerro Gordo	556	941	540	917
GA	Morgan	164	267	163	256	IA	Cherokee	560	1122	530	1112
GA	Murray	145	247	136	229	IA	Chickasaw	634	1035	618	1006
GA	Muscogee	166	269	153	246	IA	Clarke	546	929	529	1036
GA	Newton	220	334	134	227	IA	Clay	625	1024	609	995
GA	Oconee	164	267	163	256	IA	Clayton	350	1009	327	982
GA	Oglethorpe	164	267	163	256	IA	Clinton	361	557	336	529
GA	Paulding	190	297	134	227	IA	Crawford	681	1193	541	1107
GA	Peach	193	300	178	271	IA	Dallas	546	929	529	905
GA	Pickens	190	293	134	227	IA	Davis	649	1056	633	1039
GA	Pierce	174	277	157	250	IA	Decatur	546	1088	529	1079
GA	Pike	269	468	134	227	IA	Delaware	350	1009	327	982
GA	Polk	154	256	140	233	IA	Des Moines	340	998	588	971
GA	Pulaski	193	339	178	300	IA	Dickinson	625	1024	609	995
GA	Putnam	201	311	187	346	IA	Dubuque	302	512	287	949
GA	Quitman	162	411	147	374	IA	Emmet	626	1025	610	996
GA	Rabun	268	467	254	446	IA	Fayette	557	1078	548	925
GA	Randolph	144	410	135	397	IA	Floyd	634	1035	618	1006
GA	Richmond	152	254	149	242	IA	Franklin	556	941	540	917
GA	Rockdale	153	255	134	227	IA	Fremont	644	1051	541	1021
GA	Schley	166	269	153	246	IA	Greene	617	1013	601	986
GA	Screven	222	435	200	420	IA	Grundy	557	942	548	925
GA	Seminole	228	345	203	306	IA	Guthrie	617	1013	601	986
GA	Spalding	204	314	134	227	IA	Hamilton	606	999	589	972
GA	Stephens	216	386	199	379	IA	Hancock	556	941	540	917
GA	Stewart	166	269	153	246						

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State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
IA	Hardin . . . . .	606	1173	653	1160	ID	Caribou . . . . .	696	1357	683	1347
IA	Harrison . . . . .	596	1090	541	918	ID	Cassia . . . . .	730	1244	717	1227
IA	Henry . . . . .	340	998	588	971	ID	Clark . . . . .	722	1235	708	1217
IA	Howard . . . . .	552	1126	535	1116	ID	Clearwater . . . . .	694	1206	681	1188
IA	Humboldt . . . . .	585	971	570	947	ID	Custer . . . . .	722	1235	708	1217
IA	Ida . . . . .	560	945	530	906	ID	Elmore . . . . .	716	1302	702	1289
IA	Iowa . . . . .	545	935	528	911	ID	Franklin . . . . .	715	1228	701	1209
IA	Jackson . . . . .	302	512	287	949	ID	Fremont . . . . .	722	1235	708	1269
IA	Jasper . . . . .	546	929	529	905	ID	Gem . . . . .	716	1229	702	1210
IA	Jefferson . . . . .	589	1059	635	1047	ID	Gooding . . . . .	695	1207	682	1189
IA	Johnson . . . . .	545	935	528	911	ID	Idaho . . . . .	694	1278	681	1257
IA	Jones . . . . .	545	928	528	904	ID	Jefferson . . . . .	722	1235	708	1217
IA	Keokuk . . . . .	589	975	573	952	ID	Jerome . . . . .	695	1207	682	1189
IA	Kossuth . . . . .	556	1118	540	1105	ID	Kootenai . . . . .	734	1248	721	1231
IA	Lee . . . . .	367	568	343	537	ID	Latah . . . . .	784	1371	768	1357
IA	Linn . . . . .	545	928	528	904	ID	Lemhi . . . . .	813	1414	800	1399
IA	Louisa . . . . .	545	935	528	911	ID	Lewis . . . . .	694	1206	681	1188
IA	Lucas . . . . .	645	1052	629	1022	ID	Lincoln . . . . .	695	1207	682	1189
IA	Lyon . . . . .	544	927	527	903	ID	Madison . . . . .	722	1235	708	1269
IA	Madison . . . . .	546	929	529	905	ID	Minidoka . . . . .	730	1244	717	1227
IA	Mahaska . . . . .	589	975	573	952	ID	Nez Perce . . . . .	694	1206	681	1188
IA	Marion . . . . .	546	1127	529	1115	ID	Oneida . . . . .	696	1392	683	1378
IA	Marshall . . . . .	679	1191	671	1178	ID	Owyhee . . . . .	716	1365	702	1354
IA	Mills . . . . .	596	986	541	918	ID	Payette . . . . .	729	1243	716	1226
IA	Mitchell . . . . .	665	1177	658	1165	ID	Power . . . . .	696	1209	683	1191
IA	Monona . . . . .	560	945	530	906	ID	Shoshone . . . . .	734	1248	721	1231
IA	Monroe . . . . .	589	1099	573	1090	ID	Teton . . . . .	722	1369	708	1355
IA	Montgomery . . . . .	647	1054	631	1028	ID	Twin Falls . . . . .	695	1207	682	1189
IA	Muscatine . . . . .	641	1048	282	625	ID	Valley . . . . .	716	1229	702	1210
IA	O'Brien . . . . .	652	1064	637	1055	ID	Washington . . . . .	729	1243	716	1226
IA	Osceola . . . . .	652	1065	637	1056	IL	Adams . . . . .	353	548	329	521
IA	Page . . . . .	644	1051	541	1021	IL	Alexander . . . . .	563	948	549	926
IA	Palo Alto . . . . .	625	1136	609	1124	IL	Bond . . . . .	299	633	261	598
IA	Plymouth . . . . .	560	1093	530	1085	IL	Boone . . . . .	291	488	270	463
IA	Pocahontas . . . . .	585	971	570	947	IL	Brown . . . . .	318	515	298	492
IA	Polk . . . . .	546	929	529	905	IL	Bureau . . . . .	336	533	317	510
IA	Pottawattamie . . . . .	596	986	541	918	IL	Calhoun . . . . .	299	496	261	453
IA	Poweshiek . . . . .	686	1198	676	1183	IL	Carroll . . . . .	361	557	336	529
IA	Ringgold . . . . .	546	1089	529	1080	IL	Cass . . . . .	318	515	298	492
IA	Sac . . . . .	633	1034	617	1005	IL	Champaign . . . . .	279	477	262	454
IA	Scott . . . . .	641	1048	282	475	IL	Christian . . . . .	318	628	298	643
IA	Shelby . . . . .	596	986	541	1035	IL	Clark . . . . .	311	508	308	501
IA	Sioux . . . . .	672	1184	664	1171	IL	Clay . . . . .	351	546	328	520
IA	Story . . . . .	606	999	589	972	IL	Clinton . . . . .	325	663	261	453
IA	Tama . . . . .	679	1191	671	1178	IL	Coles . . . . .	279	623	262	564
IA	Taylor . . . . .	644	1051	541	1021	IL	Cook . . . . .	287	484	288	481
IA	Union . . . . .	546	1023	608	994	IL	Crawford . . . . .	310	640	293	626
IA	Van Buren . . . . .	589	1059	635	1048	IL	Cumberland . . . . .	279	623	262	564
IA	Wapello . . . . .	589	975	573	952	IL	DeKalb . . . . .	373	577	324	517
IA	Warren . . . . .	546	929	529	905	IL	DeWitt . . . . .	338	664	381	655
IA	Washington . . . . .	545	935	528	911	IL	Douglas . . . . .	279	477	262	454
IA	Wayne . . . . .	645	1052	629	1023	IL	DuPage . . . . .	287	484	288	481
IA	Webster . . . . .	585	971	570	947	IL	Edgar . . . . .	333	668	375	650
IA	Winnebago . . . . .	556	941	540	917	IL	Edwards . . . . .	351	546	328	520
IA	Winneshiek . . . . .	395	1144	387	1132	IL	Effingham . . . . .	363	560	337	530
IA	Woodbury . . . . .	560	945	530	906	IL	Fayette . . . . .	363	560	337	530
IA	Worth . . . . .	556	941	540	917	IL	Ford . . . . .	279	477	334	527
IA	Wright . . . . .	606	1138	589	1127	IL	Franklin . . . . .	331	528	312	505
ID	Ada . . . . .	716	1229	702	1210	IL	Fulton . . . . .	277	475	303	496
ID	Adams . . . . .	729	1358	716	1348	IL	Gallatin . . . . .	384	590	359	579
ID	Bannock . . . . .	696	1209	683	1191	IL	Greene . . . . .	319	516	302	495
ID	Bear Lake . . . . .	715	1228	701	1268	IL	Grundy . . . . .	303	500	288	597
ID	Benewah . . . . .	798	1399	787	1386	IL	Hamilton . . . . .	383	589	358	575
ID	Bingham . . . . .	696	1209	683	1191	IL	Hancock . . . . .	367	568	343	537
ID	Blaine . . . . .	808	1409	795	1394	IL	Hardin . . . . .	384	590	359	578
ID	Boise . . . . .	716	1229	702	1210	IL	Henderson . . . . .	340	998	588	971
ID	Bonner . . . . .	734	1281	721	1260	IL	Henry . . . . .	307	504	282	475
ID	Bonneville . . . . .	722	1235	708	1217	IL	Iroquois . . . . .	343	539	321	514
ID	Boundary . . . . .	734	1281	721	1260	IL	Jackson . . . . .	331	585	312	565
ID	Butte . . . . .	722	1235	708	1217	IL	Jasper . . . . .	351	546	328	520
ID	Camas . . . . .	808	1409	795	1394	IL	Jefferson . . . . .	335	532	316	509
ID	Canyon . . . . .	716	1365	702	1354	IL	Jersey . . . . .	299	496	261	453

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
IL	Jo Daviess . . . . .	302	499	287	480	IN	Crawford . . . . .	339	536	280	473
IL	Johnson . . . . .	12	13	9	458	IN	Daviess . . . . .	310	507	293	589
IL	Kane . . . . .	373	577	324	517	IN	DeKalb . . . . .	304	638	279	472
IL	Kankakee . . . . .	343	539	321	514	IN	Dearborn . . . . .	321	559	266	459
IL	Kendall . . . . .	373	577	324	517	IN	Decatur . . . . .	313	639	274	618
IL	Knox . . . . .	324	521	306	499	IN	Delaware . . . . .	323	520	305	498
IL	LaSalle . . . . .	336	533	317	510	IN	Dubois . . . . .	394	676	380	654
IL	Lake . . . . .	287	551	288	481	IN	Elkhart . . . . .	349	545	326	519
IL	Lawrence . . . . .	310	507	293	486	IN	Fayette . . . . .	385	592	360	584
IL	Lee . . . . .	291	599	270	463	IN	Floyd . . . . .	339	536	280	473
IL	Livingston . . . . .	336	641	334	615	IN	Fountain . . . . .	333	530	314	507
IL	Logan . . . . .	318	662	298	616	IN	Franklin . . . . .	270	672	266	637
IL	Macon . . . . .	305	502	289	482	IN	Fulton . . . . .	312	591	295	580
IL	Macoupin . . . . .	334	531	315	508	IN	Gibson . . . . .	273	471	272	465
IL	Madison . . . . .	299	496	261	453	IN	Grant . . . . .	389	621	363	613
IL	Marion . . . . .	358	554	332	524	IN	Greene . . . . .	341	537	320	513
IL	Marshall . . . . .	277	475	303	496	IN	Hamilton . . . . .	390	642	274	467
IL	Mason . . . . .	277	475	303	496	IN	Hancock . . . . .	362	558	274	467
IL	Massac . . . . .	12	13	9	458	IN	Harrison . . . . .	339	536	280	473
IL	McDonough . . . . .	318	515	298	547	IN	Hendricks . . . . .	275	473	274	467
IL	McHenry . . . . .	287	551	288	481	IN	Henry . . . . .	362	558	373	648
IL	McLean . . . . .	338	535	334	527	IN	Howard . . . . .	364	562	338	531
IL	Menard . . . . .	318	515	298	492	IN	Huntington . . . . .	332	529	313	506
IL	Mercer . . . . .	307	504	282	475	IN	Jackson . . . . .	313	674	296	627
IL	Monroe . . . . .	325	522	261	453	IN	Jasper . . . . .	308	505	284	477
IL	Montgomery . . . . .	334	531	315	508	IN	Jay . . . . .	332	616	313	611
IL	Morgan . . . . .	319	516	302	495	IN	Jefferson . . . . .	321	518	304	497
IL	Moultrie . . . . .	305	502	289	482	IN	Jennings . . . . .	313	510	296	488
IL	Ogle . . . . .	291	488	270	463	IN	Johnson . . . . .	275	473	274	467
IL	Peoria . . . . .	277	475	303	496	IN	Knox . . . . .	310	507	293	486
IL	Perry . . . . .	331	585	312	566	IN	Kosciusko . . . . .	349	545	326	519
IL	Piatt . . . . .	305	502	289	482	IN	LaPorte . . . . .	378	582	352	556
IL	Pike . . . . .	353	548	329	521	IN	Lagrange . . . . .	304	501	279	549
IL	Pope . . . . .	384	590	359	578	IN	Lake . . . . .	308	505	284	477
IL	Pulaski . . . . .	563	948	549	926	IN	Lawrence . . . . .	329	526	311	504
IL	Putnam . . . . .	336	533	317	510	IN	Madison . . . . .	390	643	372	647
IL	Randolph . . . . .	325	522	261	453	IN	Marion . . . . .	275	473	274	467
IL	Richland . . . . .	351	546	328	520	IN	Marshall . . . . .	312	509	295	487
IL	Rock Island . . . . .	307	504	282	475	IN	Martin . . . . .	310	507	293	589
IL	Saline . . . . .	384	590	359	579	IN	Miami . . . . .	389	622	363	614
IL	Sangamon . . . . .	318	515	298	492	IN	Monroe . . . . .	341	537	320	513
IL	Schuyler . . . . .	318	515	298	492	IN	Montgomery . . . . .	402	681	385	659
IL	Scott . . . . .	319	516	302	495	IN	Morgan . . . . .	275	473	274	467
IL	Shelby . . . . .	305	604	289	601	IN	Newton . . . . .	308	505	284	477
IL	St. Clair . . . . .	325	522	261	453	IN	Noble . . . . .	304	501	279	472
IL	Stark . . . . .	307	504	282	475	IN	Ohio . . . . .	321	559	266	459
IL	Stephenson . . . . .	302	499	287	480	IN	Orange . . . . .	329	526	311	504
IL	Tazewell . . . . .	277	475	303	496	IN	Owen . . . . .	341	537	320	513
IL	Union . . . . .	563	634	549	623	IN	Parke . . . . .	311	508	308	501
IL	Vermillion . . . . .	333	530	314	507	IN	Perry . . . . .	316	627	300	617
IL	Wabash . . . . .	273	658	272	638	IN	Pike . . . . .	310	507	380	654
IL	Warren . . . . .	324	521	306	499	IN	Porter . . . . .	308	505	284	477
IL	Washington . . . . .	358	554	332	524	IN	Posey . . . . .	273	471	272	465
IL	Wayne . . . . .	335	532	316	509	IN	Pulaski . . . . .	312	591	295	581
IL	White . . . . .	383	589	358	576	IN	Putnam . . . . .	275	620	274	467
IL	Whiteside . . . . .	361	602	336	599	IN	Randolph . . . . .	323	520	305	498
IL	Will . . . . .	303	500	288	597	IN	Ripley . . . . .	321	559	304	602
IL	Williamson . . . . .	331	528	312	505	IN	Rush . . . . .	275	644	274	467
IL	Winnebago . . . . .	291	488	270	463	IN	Scott . . . . .	365	563	280	567
IL	Woodford . . . . .	338	535	303	496	IN	Shelby . . . . .	275	645	274	467
IN	Adams . . . . .	332	615	313	610	IN	Spencer . . . . .	273	471	272	465
IN	Allen . . . . .	304	501	279	472	IN	St. Joseph . . . . .	312	509	295	487
IN	Bartholomew . . . . .	313	510	296	488	IN	Starke . . . . .	378	582	352	557
IN	Benton . . . . .	300	497	285	478	IN	Steuben . . . . .	304	618	279	472
IN	Blackford . . . . .	323	520	305	588	IN	Sullivan . . . . .	311	661	308	605
IN	Boone . . . . .	401	680	274	467	IN	Switzerland . . . . .	321	518	304	497
IN	Brown . . . . .	341	537	320	513	IN	Tippecanoe . . . . .	300	497	285	478
IN	Carroll . . . . .	300	497	285	478	IN	Tipton . . . . .	364	562	338	531
IN	Cass . . . . .	364	632	338	531	IN	Union . . . . .	385	592	360	585
IN	Clark . . . . .	365	563	280	473	IN	Vanderburgh . . . . .	273	471	272	465
IN	Clay . . . . .	311	508	308	501	IN	Vermillion . . . . .	311	508	308	501
IN	Clinton . . . . .	300	497	285	583	IN	Vigo . . . . .	311	508	308	501
						IN	Wabash . . . . .	389	666	363	645

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
IN	Warren	333	530	314	507	KS	Nemaha	554	1071	639	1062
IN	Warrick	273	471	272	465	KS	Neosho	601	992	584	966
IN	Washington	339	625	280	473	KS	Ness	682	1194	673	1180
IN	Wayne	385	592	360	585	KS	Norton	637	1044	623	1015
IN	Wells	332	529	313	506	KS	Osage	554	938	538	915
IN	White	300	497	285	478	KS	Osborne	622	1019	606	991
IN	Whitley	304	501	279	472	KS	Ottawa	569	954	555	932
KS	Allen	601	1164	644	1081	KS	Pawnee	583	969	568	945
KS	Anderson	624	1086	644	1082	KS	Phillips	637	1044	623	1015
KS	Atchison	671	1183	663	1170	KS	Pottawatomie	554	993	538	967
KS	Barber	669	1181	661	1168	KS	Pratt	618	1015	603	988
KS	Barton	583	969	568	945	KS	Rawlins	636	1042	621	1013
KS	Bourbon	630	1030	614	1001	KS	Reno	598	988	582	963
KS	Brown	554	1070	639	1061	KS	Republic	642	1049	627	1019
KS	Butler	576	961	561	937	KS	Rice	598	988	582	963
KS	Chase	567	952	553	930	KS	Riley	554	993	538	967
KS	Chautauqua	451	732	442	1071	KS	Rooks	565	950	551	928
KS	Cherokee	539	922	546	923	KS	Rush	583	969	568	945
KS	Cheyenne	636	1042	621	1013	KS	Russell	667	1179	660	1167
KS	Clark	551	1040	534	1011	KS	Saline	569	954	555	932
KS	Clay	662	1174	655	1162	KS	Scott	575	1058	562	1046
KS	Cloud	642	1049	627	1019	KS	Sedgwick	576	961	561	937
KS	Coffey	567	952	553	930	KS	Seward	587	973	572	950
KS	Comanche	618	1015	603	988	KS	Shawnee	554	938	538	915
KS	Cowley	576	1124	652	1159	KS	Sheridan	613	1008	597	981
KS	Crawford	630	1030	614	1001	KS	Sherman	659	1110	646	1097
KS	Decatur	613	1008	597	981	KS	Smith	637	1142	623	1129
KS	Dickinson	650	1104	634	1092	KS	Stafford	598	1108	582	1096
KS	Doniphan	591	978	576	955	KS	Stanton	562	947	547	924
KS	Douglas	624	1140	643	1075	KS	Stevens	664	1176	657	1164
KS	Edwards	583	969	568	945	KS	Sumner	576	961	561	1064
KS	Elk	451	732	442	715	KS	Thomas	659	1111	646	1098
KS	Ellis	565	950	551	928	KS	Trego	565	1131	551	1120
KS	Ellsworth	569	1094	555	1086	KS	Wabaunsee	554	938	538	915
KS	Finney	575	960	562	938	KS	Wallace	659	1110	646	1097
KS	Ford	551	934	534	910	KS	Washington	635	1041	620	1012
KS	Franklin	624	1021	643	1076	KS	Wichita	643	1050	628	1020
KS	Geary	650	1057	634	1041	KS	Wilson	675	1187	654	1161
KS	Gove	565	1039	551	1010	KS	Woodson	601	1164	644	1081
KS	Graham	565	950	551	1034	KS	Wyandotte	621	1018	536	913
KS	Grant	562	947	547	924	KY	Adair	82	138	59	136
KS	Gray	551	934	534	910	KY	Allen	29	32	22	95
KS	Greeley	643	1050	628	1020	KY	Anderson	114	170	87	156
KS	Greenwood	567	1128	553	1117	KY	Ballard	12	13	9	458
KS	Hamilton	575	1082	562	1074	KY	Barren	53	59	39	39
KS	Harper	661	1129	561	1118	KY	Bath	131	233	17	152
KS	Harvey	576	981	561	937	KY	Bell	96	116	72	89
KS	Haskell	575	960	562	938	KY	Boone	2	2	266	459
KS	Hodgeman	551	934	534	910	KY	Bourbon	102	125	17	17
KS	Jackson	554	938	538	915	KY	Boyd	46	102	3	3
KS	Jefferson	554	938	538	915	KY	Boyle	27	30	21	21
KS	Jewell	622	1019	606	991	KY	Bracken	116	183	90	170
KS	Johnson	624	1021	536	913	KY	Breathitt	18	20	17	17
KS	Kearny	575	960	562	938	KY	Breckinridge	89	201	370	155
KS	Kingman	661	1130	561	1119	KY	Bullitt	272	3	280	473
KS	Kiowa	618	1015	603	988	KY	Butler	29	32	22	22
KS	Labette	601	992	584	966	KY	Caldwell	45	107	69	81
KS	Lane	575	1058	562	1045	KY	Calloway	115	176	89	164
KS	Leavenworth	621	1018	536	913	KY	Campbell	2	193	266	459
KS	Lincoln	569	954	555	932	KY	Carlisle	12	13	9	458
KS	Linn	630	1030	614	1001	KY	Carroll	321	518	304	497
KS	Logan	565	1039	551	1010	KY	Carter	46	102	3	3
KS	Lyon	567	952	553	930	KY	Casey	27	30	21	21
KS	Marion	576	981	561	937	KY	Christian	45	49	168	261
KS	Marshall	635	1041	620	1012	KY	Clark	18	203	17	17
KS	Mcpherson	674	1186	666	1173	KY	Clay	51	217	122	215
KS	Meade	551	1040	534	1011	KY	Clinton	104	127	79	107
KS	Miami	624	1021	536	913	KY	Crittenden	12	15	9	10
KS	Mitchell	622	1019	606	991	KY	Cumberland	104	127	79	108
KS	Montgomery	451	732	442	715	KY	Daviess	316	69	300	46
KS	Morris	650	1057	634	1042	KY	Edmonson	29	32	22	22
KS	Morton	587	1038	572	1009	KY	Elliott	67	74	3	3



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State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
KY	Estill	62	68	44	44	KY	Shelby	272	3	280	473
KY	Fayette	18	20	17	17	KY	Simpson	29	32	22	22
KY	Fleming	116	182	90	169	KY	Spencer	272	3	280	473
KY	Floyd	11	12	8	8	KY	Taylor	82	93	59	62
KY	Franklin	114	170	87	156	KY	Todd	45	49	168	261
KY	Fulton	181	284	165	258	KY	Trigg	45	49	168	261
KY	Gallatin	2	2	266	459	KY	Trimble	321	518	304	497
KY	Garrard	27	172	21	158	KY	Union	40	43	272	465
KY	Grant	2	2	266	459	KY	Warren	29	32	22	22
KY	Graves	12	13	9	100	KY	Washington	272	218	113	206
KY	Grayson	89	189	371	179	KY	Wayne	37	40	29	29
KY	Green	82	93	59	62	KY	Webster	45	107	69	82
KY	Greenup	46	102	3	3	KY	Whitley	51	55	36	36
KY	Hancock	316	69	300	46	KY	Wolfe	18	20	17	17
KY	Hardin	89	103	280	526	KY	Woodford	18	20	17	17
KY	Harlan	96	116	72	90	LA	Acadia	424	844	447	720
KY	Harrison	119	221	17	182	LA	Allen	450	731	440	804
KY	Hart	53	59	39	39	LA	Ascension	419	698	401	672
KY	Henderson	40	43	272	465	LA	Assumption	467	750	391	663
KY	Henry	272	3	280	473	LA	Avoyelles	450	731	440	713
KY	Hickman	12	13	9	458	LA	Beauregard	470	798	458	773
KY	Hopkins	45	107	69	82	LA	Blenville	439	719	428	787
KY	Jackson	62	68	44	44	LA	Bossier	416	695	412	683
KY	Jefferson	272	3	280	473	LA	Caddo	416	695	412	683
KY	Jessamine	18	20	17	17	LA	Calcasieu	470	754	458	733
KY	Johnson	11	12	8	8	LA	Caldwell	443	724	433	706
KY	Kenton	2	2	266	459	LA	Cameron	470	754	458	733
KY	Knott	18	27	18	18	LA	Catahoula	450	759	440	739
KY	Knox	51	55	36	36	LA	Claiborne	523	906	503	879
KY	Larue	89	103	280	526	LA	Concordia	435	714	422	693
KY	Laurel	51	143	36	141	LA	DeSoto	416	695	412	683
KY	Lawrence	46	102	3	3	LA	East Baton Rouge	419	698	401	672
KY	Lee	18	20	17	17	LA	East Carroll	443	1418	433	801
KY	Leslie	18	27	18	18	LA	East Feliciana	419	698	401	672
KY	Letcher	123	225	121	214	LA	Evangeline	463	745	452	725
KY	Lewis	337	647	319	629	LA	Franklin	443	724	433	706
KY	Lincoln	27	30	21	88	LA	Grant	450	731	440	713
KY	Livingston	12	15	9	10	LA	Iberia	424	703	447	834
KY	Logan	29	207	105	198	LA	Iberville	419	698	401	672
KY	Lyon	12	13	9	458	LA	Jackson	439	719	428	700
KY	Madison	62	68	44	44	LA	Jefferson	403	682	391	663
KY	Magoffin	11	12	8	8	LA	Jefferson Davis	470	754	458	733
KY	Marion	272	218	113	206	LA	LaSalle	450	759	440	739
KY	Marshall	12	13	9	458	LA	Lafayette	424	703	447	720
KY	Martin	46	102	3	3	LA	Lafourche	467	750	391	663
KY	Mason	116	183	90	170	LA	Lincoln	439	719	428	700
KY	McCracken	12	13	9	458	LA	Livingston	419	698	401	672
KY	McCreary	37	40	29	29	LA	Madison	431	812	417	810
KY	McLean	316	69	300	46	LA	Morehouse	443	811	433	802
KY	Meade	89	103	280	473	LA	Natchitoches	416	753	412	732
KY	Menifee	67	74	3	3	LA	Orleans	403	682	391	663
KY	Mercer	27	212	108	201	LA	Ouachita	443	724	433	706
KY	Metcalfe	53	59	39	39	LA	Plaquemines	403	682	391	663
KY	Monroe	53	179	39	166	LA	Pointe Coupee	419	824	401	672
KY	Montgomery	131	233	17	152	LA	Rapides	450	731	440	713
KY	Morgan	67	74	3	172	LA	Red River	416	753	412	732
KY	Muhlenberg	45	178	69	165	LA	Richland	443	724	433	738
KY	Nelson	89	103	280	526	LA	Sabine	416	695	412	683
KY	Nicholas	102	125	17	120	LA	St. Bernard	403	682	391	663
KY	Ohio	316	69	300	46	LA	St. Charles	403	771	391	663
KY	Oldham	272	3	280	473	LA	St. Helena	423	702	408	679
KY	Owen	114	171	87	157	LA	St. James	403	682	391	663
KY	Owsley	18	20	17	17	LA	St. John The Baptist	403	771	391	663
KY	Pendleton	2	193	266	459	LA	St. Landry	463	745	452	725
KY	Perry	18	27	18	18	LA	St. Martin	424	703	447	720
KY	Pike	13	14	10	9	LA	St. Mary	528	911	391	873
KY	Powell	18	203	17	17	LA	St. Tammany	500	795	391	663
KY	Pulaski	37	40	29	29	LA	Tangipahoa	423	702	408	679
KY	Robertson	119	221	17	182	LA	Tensas	435	714	422	693
KY	Rockcastle	62	137	44	135	LA	Terrebonne	467	750	391	663
KY	Rowan	67	74	3	3	LA	Union	439	886	428	869
KY	Russell	82	209	106	199	LA	Vermilion	424	820	447	720
KY	Scott	18	155	17	17						

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
LA	Vernon . . . . .	470	798	458	773	MI	Benzle . . . . .	271	470	259	451
LA	Washington . . . . .	500	795	517	893	MI	Berrien . . . . .	327	524	310	503
LA	Webster . . . . .	416	813	412	783	MI	Branch . . . . .	375	579	349	550
LA	West Baton Rouge . . . . .	419	698	401	672	MI	Calhoun . . . . .	381	586	355	568
LA	West Carroll . . . . .	443	724	433	738	MI	Cass . . . . .	327	524	310	503
LA	West Feliciana . . . . .	419	698	401	672	MI	Charlevoix . . . . .	294	491	278	471
LA	Winn . . . . .	530	913	521	897	MI	Cheboygan . . . . .	294	491	278	471
						MI	Chippewa . . . . .	294	667	374	649
MA	Barnstable . . . . .	22	160	13	138	MI	Clare . . . . .	330	575	346	542
MA	Berkshire . . . . .	112	162	119	212	MI	Clinton . . . . .	285	483	322	515
MA	Bristol . . . . .	68	75	125	218	MI	Crawford . . . . .	392	656	365	639
MA	Dukes . . . . .	120	222	13	168	MI	Delta . . . . .	293	571	277	539
MA	Essex . . . . .	74	83	13	13	MI	Dickinson . . . . .	315	513	299	493
MA	Franklin . . . . .	101	123	77	102	MI	Eaton . . . . .	285	483	322	515
MA	Hampden . . . . .	32	35	109	202	MI	Emmet . . . . .	294	491	278	471
MA	Hampshire . . . . .	32	35	109	202	MI	Genesee . . . . .	328	525	322	632
MA	Middlesex . . . . .	22	24	13	13	MI	Gladwin . . . . .	330	527	269	462
MA	Nantucket . . . . .	111	161	107	200	MI	Gogebic . . . . .	284	659	366	641
MA	Norfolk . . . . .	22	24	13	13	MI	Grand Traverse . . . . .	271	470	259	451
MA	Plymouth . . . . .	22	24	13	13	MI	Gratiot . . . . .	309	655	271	491
MA	Suffolk . . . . .	22	24	13	13	MI	Hillsdale . . . . .	375	579	349	551
MA	Worcester . . . . .	101	123	77	101	MI	Houghton . . . . .	359	555	333	525
						MI	Huron . . . . .	322	648	269	620
MD	Alleghany . . . . .	1	1	48	49	MI	Ingham . . . . .	285	483	322	515
MD	Anne Arundel . . . . .	16	148	5	5	MI	Ionia . . . . .	309	506	271	563
MD	Baltimore . . . . .	16	18	5	5	MI	Iosco . . . . .	342	605	335	562
MD	Calvert . . . . .	16	149	16	16	MI	Iron . . . . .	315	673	378	653
MD	Caroline . . . . .	107	132	5	5	MI	Isabella . . . . .	330	575	346	542
MD	Carroll . . . . .	16	18	5	5	MI	Jackson . . . . .	375	649	349	630
MD	Cecil . . . . .	75	85	101	194	MI	Kalamazoo . . . . .	348	544	325	518
MD	Charles . . . . .	61	67	16	16	MI	Kalkaska . . . . .	271	470	259	451
MD	Dorchester . . . . .	107	132	104	197	MI	Kent . . . . .	309	506	271	464
MD	Frederick . . . . .	48	216	16	16	MI	Keweenaw . . . . .	359	555	333	525
MD	Garrett . . . . .	1	145	48	49	MI	Lake . . . . .	317	514	301	494
MD	Harford . . . . .	75	85	5	5	MI	Lapeer . . . . .	328	525	258	450
MD	Howard . . . . .	16	18	5	5	MI	Leelanau . . . . .	271	470	259	451
MD	Kent . . . . .	124	226	5	121	MI	Lenawee . . . . .	375	650	349	631
MD	Montgomery . . . . .	61	78	16	16	MI	Livingston . . . . .	274	472	258	450
MD	Prince Georges . . . . .	61	67	16	16	MI	Luce . . . . .	293	598	277	594
MD	Queen Annes . . . . .	107	132	5	5	MI	Mackinac . . . . .	294	491	278	582
MD	Somerset . . . . .	3	4	2	2	MI	Macomb . . . . .	274	472	258	450
MD	St. Marys . . . . .	61	213	16	109	MI	Manistee . . . . .	271	619	259	612
MD	Talbot . . . . .	107	132	5	5	MI	Marquette . . . . .	293	490	277	470
MD	Washington . . . . .	72	80	52	53	MI	Mason . . . . .	296	651	281	634
MD	Wicomico . . . . .	3	4	2	2	MI	Mecosta . . . . .	309	617	301	633
MD	Worcester . . . . .	3	4	2	2	MI	Menominee . . . . .	315	513	299	493
						MI	Midland . . . . .	330	527	269	462
ME	Androscoggin . . . . .	95	115	71	86	MI	Missaukee . . . . .	317	514	301	494
ME	Aroostook . . . . .	136	238	128	221	MI	Monroe . . . . .	276	636	258	450
ME	Cumberland . . . . .	9	10	6	6	MI	Montcalm . . . . .	309	506	271	491
ME	Franklin . . . . .	95	115	71	87	MI	Montmorency . . . . .	371	574	345	541
ME	Hancock . . . . .	17	124	15	103	MI	Muskegon . . . . .	296	493	281	474
ME	Kennebec . . . . .	38	41	30	30	MI	Newaygo . . . . .	296	493	281	548
ME	Knox . . . . .	9	101	65	73	MI	Oakland . . . . .	274	472	258	450
ME	Lincoln . . . . .	9	101	65	74	MI	Oceana . . . . .	296	493	281	474
ME	Oxford . . . . .	95	157	71	148	MI	Ogemaw . . . . .	342	538	335	528
ME	Penobscot . . . . .	17	19	15	15	MI	Ontonagon . . . . .	284	660	366	642
ME	Piscataquis . . . . .	17	19	15	15	MI	Osceola . . . . .	317	514	301	494
ME	Sagadahoc . . . . .	9	10	6	6	MI	Oscoda . . . . .	342	538	335	528
ME	Somerset . . . . .	38	41	30	30	MI	Otsego . . . . .	392	657	365	640
ME	Waldo . . . . .	38	147	15	15	MI	Ottawa . . . . .	320	517	271	464
ME	Washington . . . . .	17	124	15	104	MI	Presque Isle . . . . .	371	574	345	541
ME	York . . . . .	98	119	86	149	MI	Roscommon . . . . .	392	656	365	639
						MI	Saginaw . . . . .	322	519	269	462
MI	Alcona . . . . .	371	574	345	541	MI	Sanilac . . . . .	297	494	258	450
MI	Alger . . . . .	293	490	277	470	MI	Schoolcraft . . . . .	293	571	277	539
MI	Allegan . . . . .	320	517	271	464	MI	Shiawassee . . . . .	285	626	322	515
MI	Alpena . . . . .	371	574	345	541	MI	St. Clair . . . . .	297	494	258	450
MI	Antrim . . . . .	271	470	259	451	MI	St. Joseph . . . . .	348	544	325	518
MI	Arenac . . . . .	342	538	335	528	MI	Tuscola . . . . .	322	519	269	462
MI	Baraga . . . . .	359	555	333	525	MI	Van Buren . . . . .	327	524	310	553
MI	Barry . . . . .	381	586	355	569	MI	Washtenaw . . . . .	274	472	258	450
MI	Bay . . . . .	342	538	269	462	MI	Wayne . . . . .	274	472	258	450

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State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
MI	Wexford . . . . .	317	514	301	494	MN	St. Louis . . . . .	289	486	267	460
MN	Aitkin . . . . .	612	1112	596	1099	MN	Stearns . . . . .	588	974	294	951
MN	Anoka . . . . .	540	923	275	468	MN	Steele . . . . .	552	1156	535	1144
MN	Becker . . . . .	620	1017	605	990	MN	Stevens . . . . .	608	1152	591	1140
MN	Beltrami . . . . .	597	987	581	962	MN	Swift . . . . .	592	1148	577	1135
MN	Benton . . . . .	588	974	294	951	MN	Todd . . . . .	653	1068	638	1059
MN	Big Stone . . . . .	590	976	574	953	MN	Traverse . . . . .	590	976	574	953
MN	Blue Earth . . . . .	573	957	559	935	MN	Wabasha . . . . .	552	936	535	912
MN	Brown . . . . .	602	994	585	968	MN	Wadena . . . . .	582	968	567	944
MN	Carlton . . . . .	289	486	267	460	MN	Waseca . . . . .	573	1084	559	1077
MN	Carver . . . . .	540	923	275	468	MN	Washington . . . . .	286	940	275	468
MN	Cass . . . . .	612	1007	596	980	MN	Watsonwan . . . . .	573	1158	559	1146
MN	Chippewa . . . . .	592	979	577	956	MN	Wilkin . . . . .	677	1189	667	1174
MN	Chisago . . . . .	286	561	275	468	MN	Winona . . . . .	397	1060	388	1051
MN	Clay . . . . .	547	930	531	907	MN	Wright . . . . .	588	1083	275	468
MN	Clearwater . . . . .	597	987	581	962	MN	Yellow Medicine . . . . .	592	979	577	956
MN	Cook . . . . .	289	1085	267	1078	MO	Adair . . . . .	566	951	552	929
MN	Cottonwood . . . . .	619	1107	604	1095	MO	Andrew . . . . .	591	978	576	955
MN	Crow Wing . . . . .	612	1007	596	980	MO	Atchison . . . . .	678	1190	669	1176
MN	Dakota . . . . .	286	940	275	468	MO	Audrain . . . . .	666	1178	659	1166
MN	Dodge . . . . .	552	936	535	912	MO	Barry . . . . .	549	1006	595	979
MN	Douglas . . . . .	608	1001	591	974	MO	Barton . . . . .	539	1109	546	923
MN	Faribault . . . . .	646	1053	630	1025	MO	Bates . . . . .	607	1159	590	1148
MN	Fillmore . . . . .	552	936	535	912	MO	Benton . . . . .	656	1080	642	1072
MN	Freeborn . . . . .	646	1053	630	1026	MO	Bollinger . . . . .	563	948	549	926
MN	Goodhue . . . . .	370	1167	350	1155	MO	Boone . . . . .	553	937	537	914
MN	Grant . . . . .	582	1066	567	1057	MO	Buchanan . . . . .	591	978	576	955
MN	Hennepin . . . . .	540	923	275	468	MO	Butler . . . . .	563	990	549	964
MN	Houston . . . . .	290	487	268	461	MO	Caldwell . . . . .	548	959	536	913
MN	Hubbard . . . . .	612	1007	596	980	MO	Callaway . . . . .	581	1134	290	596
MN	Isanti . . . . .	603	995	275	468	MO	Camden . . . . .	685	1197	675	1182
MN	Itasca . . . . .	393	1153	367	1141	MO	Cape Girardeau . . . . .	563	948	549	926
MN	Jackson . . . . .	619	1016	604	989	MO	Carroll . . . . .	657	1102	536	1050
MN	Kanabec . . . . .	603	995	275	468	MO	Carter . . . . .	563	990	549	964
MN	Kandiyohi . . . . .	592	979	577	956	MO	Cass . . . . .	548	931	536	913
MN	Kittson . . . . .	604	1151	586	1139	MO	Cedar . . . . .	639	1046	625	1017
MN	Koochiching . . . . .	393	1154	368	1142	MO	Chariton . . . . .	553	1119	537	1106
MN	Lac Qui Parle . . . . .	592	1166	577	1154	MO	Christian . . . . .	549	932	532	908
MN	Lake . . . . .	289	603	267	460	MO	Clark . . . . .	367	568	343	537
MN	Lake Of The Woods . . . . .	631	1031	615	1002	MO	Clay . . . . .	548	959	536	913
MN	Le Sueur . . . . .	540	923	275	468	MO	Clinton . . . . .	548	959	536	913
MN	Lincoln . . . . .	609	1003	592	976	MO	Cole . . . . .	581	967	290	483
MN	Lyon . . . . .	609	1003	592	976	MO	Cooper . . . . .	553	937	537	914
MN	Mahnomen . . . . .	620	1017	605	990	MO	Crawford . . . . .	581	967	261	453
MN	Marshall . . . . .	604	996	586	969	MO	Dade . . . . .	549	932	532	908
MN	Martin . . . . .	626	1025	610	996	MO	Dallas . . . . .	549	932	532	908
MN	McLeod . . . . .	540	1037	275	1008	MO	Daviess . . . . .	548	959	536	913
MN	Meeker . . . . .	588	974	294	951	MO	DeKalb . . . . .	591	978	576	955
MN	Mille Lacs . . . . .	603	1171	294	951	MO	Dent . . . . .	627	1027	611	998
MN	Morrison . . . . .	653	1067	638	1058	MO	Douglas . . . . .	549	932	532	908
MN	Mower . . . . .	552	1061	535	1052	MO	Dunklin . . . . .	571	982	557	958
MN	Murray . . . . .	619	1135	604	1123	MO	Franklin . . . . .	541	924	261	453
MN	Nicollet . . . . .	573	957	559	935	MO	Gasconade . . . . .	581	967	290	483
MN	Nobles . . . . .	619	1016	604	989	MO	Gentry . . . . .	591	978	576	955
MN	Norman . . . . .	547	930	531	907	MO	Greene . . . . .	549	932	532	908
MN	Olmsted . . . . .	552	936	535	912	MO	Grundy . . . . .	683	1195	670	1177
MN	Otter Tail . . . . .	582	968	567	944	MO	Harrison . . . . .	591	1145	576	1133
MN	Pennington . . . . .	604	996	586	969	MO	Henry . . . . .	607	1000	590	973
MN	Pine . . . . .	603	995	275	468	MO	Hickory . . . . .	549	932	532	908
MN	Pipestone . . . . .	544	1169	650	1157	MO	Holt . . . . .	678	1190	669	1176
MN	Polk . . . . .	584	1116	569	1103	MO	Howard . . . . .	553	937	537	914
MN	Pope . . . . .	608	1001	591	974	MO	Howell . . . . .	574	977	575	954
MN	Ramsey . . . . .	286	940	275	468	MO	Iron . . . . .	541	1072	261	1063
MN	Red Lake . . . . .	604	996	586	969	MO	Jackson . . . . .	548	931	536	913
MN	Redwood . . . . .	602	994	585	968	MO	Jasper . . . . .	539	922	546	923
MN	Renville . . . . .	602	1077	585	1069	MO	Jefferson . . . . .	541	924	261	453
MN	Rice . . . . .	396	1168	649	1156	MO	Johnson . . . . .	548	931	536	913
MN	Rock . . . . .	544	1155	527	1143	MO	Knox . . . . .	566	951	552	929
MN	Roseau . . . . .	631	1031	615	1002	MO	Laclede . . . . .	549	1091	532	1083
MN	Scott . . . . .	540	923	275	468	MO	Lafayette . . . . .	548	931	536	913
MN	Sherburne . . . . .	540	923	294	951	MO	Lawrence . . . . .	549	1006	595	979
MN	Sibley . . . . .	540	1037	275	1008	MO	Lewis . . . . .	353	548	329	521

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State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
MO	Lincoln	599	989	261	453	MS	Coahoma	422	701	406	677
MO	Linn	673	1185	674	1181	MS	Copiah	511	817	420	691
MO	Livingston	657	1103	536	1109	MS	Covington	409	823	394	813
MO	Macon	553	1137	537	1126	MS	De Soto	146	248	399	670
MO	Madison	663	1175	651	1158	MS	Forrest	409	688	394	666
MO	Maries	581	967	290	483	MS	Franklin	435	838	422	826
MO	Marion	353	1036	619	1007	MS	George	471	755	459	734
MO	McDonald	539	922	546	923	MS	Greene	409	688	394	666
MO	Mercer	683	1195	670	1177	MS	Grenada	502	799	490	774
MO	Miller	581	967	290	483	MS	Hancock	456	737	478	759
MO	Mississippi	563	948	549	926	MS	Harrison	456	737	478	759
MO	Moniteau	581	967	290	483	MS	Hinds	411	690	420	691
MO	Monroe	666	1178	659	1166	MS	Holmes	411	868	420	866
MO	Montgomery	666	1178	659	1166	MS	Humphreys	487	796	488	771
MO	Morgan	656	1080	642	1072	MS	Issaquena	488	780	476	757
MO	New Madrid	563	948	549	926	MS	Itawamba	418	697	400	671
MO	Newton	539	922	546	923	MS	Jackson	471	755	459	734
MO	Nodaway	591	978	576	1033	MS	Jasper	455	736	443	716
MO	Oregon	574	977	575	954	MS	Jefferson	435	839	422	827
MO	Osage	581	967	290	483	MS	Jefferson Davis	504	801	492	777
MO	Ozark	549	932	532	908	MS	Jones	455	736	443	716
MO	Pemiscot	614	1010	598	983	MS	Kemper	412	691	396	668
MO	Perry	563	948	549	926	MS	Lafayette	459	741	448	721
MO	Pettis	656	1080	642	1072	MS	Lamar	409	688	394	666
MO	Phelps	627	1027	611	998	MS	Lauderdale	412	691	396	668
MO	Pike	353	1036	619	1007	MS	Lawrence	504	801	492	777
MO	Platte	548	959	536	913	MS	Leake	411	814	420	691
MO	Polk	549	932	532	908	MS	Lee	418	697	400	671
MO	Pulaski	627	1027	611	998	MS	Leflore	487	796	488	771
MO	Putnam	566	951	552	929	MS	Lincoln	511	818	492	864
MO	Ralls	353	1036	619	1007	MS	Lowndes	461	743	450	723
MO	Randolph	553	1119	537	1106	MS	Madison	411	690	420	691
MO	Ray	548	959	536	913	MS	Marion	477	846	465	830
MO	Reynolds	627	1101	611	1091	MS	Marshall	146	248	399	670
MO	Ripley	563	990	549	964	MS	Monroe	418	697	400	671
MO	Saline	656	1081	642	1073	MS	Montgomery	502	799	490	774
MO	Schuyler	566	951	552	929	MS	Neshoba	412	691	396	668
MO	Scotland	566	1098	552	1089	MS	Newton	412	691	396	668
MO	Scott	563	948	549	926	MS	Noxubee	461	743	450	723
MO	Shannon	574	977	575	954	MS	Oktibbeha	484	775	473	753
MO	Shelby	553	1137	537	1126	MS	Panola	146	807	399	829
MO	St. Charles	599	989	261	453	MS	Pearl River	500	879	513	889
MO	St. Clair	607	1000	590	973	MS	Perry	409	688	394	666
MO	St. Francois	541	965	261	942	MS	Pike	477	762	465	742
MO	St. Louis	541	924	261	453	MS	Pontotoc	482	768	471	748
MO	St. Louis City	541	924	261	453	MS	Prentiss	418	697	400	807
MO	St. Genevieve	541	1087	379	1147	MS	Quitman	422	701	406	677
MO	Stoddard	563	990	549	964	MS	Rankin	411	690	420	691
MO	Stone	549	932	532	908	MS	Scott	411	690	420	691
MO	Sullivan	566	951	552	929	MS	Sharkey	488	780	476	757
MO	Taney	676	1188	668	1175	MS	Simpson	411	860	420	853
MO	Texas	549	1141	532	1128	MS	Smith	455	736	443	716
MO	Vernon	639	1046	625	1017	MS	Stone	456	843	478	759
MO	Warren	539	989	261	453	MS	Sunflower	487	778	475	756
MO	Washington	541	965	261	942	MS	Tallahatchie	422	701	406	677
MO	Wayne	563	990	549	964	MS	Tate	146	807	399	670
MO	Webster	549	932	532	908	MS	Tippah	482	856	471	843
MO	Worth	591	978	576	955	MS	Tishomingo	498	793	487	769
MO	Wright	549	932	532	908	MS	Tunica	146	836	399	788
MS	Adams	435	714	422	693	MS	Union	482	768	471	748
MS	Alcorn	498	793	487	769	MS	Walthall	477	762	465	742
MS	Amite	477	762	465	742	MS	Warren	431	710	417	688
MS	Attala	411	867	420	816	MS	Washington	488	780	476	757
MS	Benton	146	248	399	670	MS	Wayne	455	837	443	825
MS	Bolivar	487	778	475	756	MS	Webster	484	775	473	753
MS	Calhoun	459	741	448	792	MS	Wilkinson	525	908	505	881
MS	Carroll	502	799	490	774	MS	Winston	484	865	473	851
MS	Chickasaw	418	877	400	862	MS	Yalobusha	459	741	448	721
MS	Choctaw	484	775	473	753	MS	Yazoo	533	916	519	895
MS	Claiborne	431	710	417	688	MT	Beaverhead	742	1344	728	1331
MS	Clarke	412	855	396	842	MT	Big Horn	691	1203	678	1185
MS	Clay	461	889	450	872	MT	Blaine	712	1225	698	1206

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State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
MT	Broadwater	721	1234	707	1215	NC	Cherokee	258	457	250	442
MT	Carbon	691	1208	678	1190	NC	Chowan	243	374	225	350
MT	Carter	714	1227	700	1208	NC	Clay	258	457	250	442
MT	Cascade	692	1204	679	1186	NC	Cleveland	218	368	173	323
MT	Chouteau	692	1204	679	1186	NC	Columbus	207	359	191	319
MT	Custer	714	1227	700	1216	NC	Craven	242	373	224	349
MT	Daniels	733	1247	720	1230	NC	Cumberland	262	461	232	401
MT	Dawson	767	1287	748	1264	NC	Currituck	6	7	45	45
MT	Deer Lodge	742	1257	728	1238	NC	Dare	264	463	45	404
MT	Fallon	714	1227	700	1208	NC	Davidson	186	444	160	253
MT	Fergus	810	1411	796	1395	NC	Davie	149	251	160	253
MT	Flathead	728	1242	715	1225	NC	Duplin	238	365	219	328
MT	Gallatin	773	1305	755	1294	NC	Durham	170	273	151	244
MT	Garfield	714	1227	700	1216	NC	Edgecombe	214	324	197	293
MT	Glacier	692	1345	679	1332	NC	Forsyth	149	251	160	253
MT	Golden Valley	691	1208	678	1190	NC	Franklin	198	308	151	244
MT	Granite	713	1226	699	1207	NC	Gaston	218	331	173	266
MT	Hill	712	1225	698	1206	NC	Gates	243	439	45	45
MT	Jefferson	721	1234	707	1215	NC	Graham	209	319	193	289
MT	Judith Basin	692	1204	679	1186	NC	Granville	170	273	151	244
MT	Lake	713	1320	699	1309	NC	Greene	238	365	219	329
MT	Lewis And Clark	721	1234	707	1215	NC	Gulford	186	289	160	253
MT	Liberty	712	1225	698	1206	NC	Halifax	214	324	197	293
MT	Lincoln	728	1242	715	1225	NC	Harnett	203	358	232	402
MT	Madison	773	1306	755	1295	NC	Haywood	225	448	242	434
MT	McCone	767	1287	748	1264	NC	Henderson	225	340	202	301
MT	Meagher	778	1330	760	1318	NC	Hertford	243	439	225	424
MT	Mineral	713	1226	699	1207	NC	Hoke	205	315	189	285
MT	Missoula	713	1226	699	1207	NC	Hyde	195	303	181	276
MT	Musselshell	691	1298	678	1284	NC	Iredell	192	298	175	413
MT	Park	756	1273	740	1253	NC	Jackson	209	319	193	289
MT	Petroleum	810	1411	796	1395	NC	Johnston	198	350	209	312
MT	Phillips	712	1316	698	1306	NC	Jones	242	373	224	349
MT	Pondera	692	1204	679	1186	NC	Lee	203	358	151	302
MT	Powder River	714	1227	700	1216	NC	Lenoir	238	365	219	329
MT	Powell	788	1389	776	1375	NC	Lincoln	218	331	173	266
MT	Prairie	714	1227	700	1216	NC	Macon	209	319	193	289
MT	Ravall	713	1326	699	1314	NC	Madison	225	340	202	301
MT	Richland	767	1347	748	1333	NC	Martin	195	303	181	276
MT	Roosevelt	779	1336	762	1323	NC	McDowell	261	460	252	444
MT	Rosebud	691	1203	678	1185	NC	Mecklenburg	167	270	173	266
MT	Sanders	713	1321	699	1310	NC	Mitchell	240	369	221	338
MT	Sheridan	733	1247	720	1230	NC	Montgomery	205	315	189	285
MT	Silver Bow	742	1257	728	1238	NC	Moore	205	315	189	285
MT	Stillwater	691	1208	678	1190	NC	Nash	214	324	197	293
MT	Sweet Grass	756	1273	740	1253	NC	New Hanover	168	271	154	247
MT	Teton	692	1204	679	1186	NC	Northampton	214	324	197	293
MT	Toole	692	1311	679	1301	NC	Onslow	242	402	224	389
MT	Treasure	691	1203	678	1185	NC	Orange	203	313	151	244
MT	Valley	779	1337	762	1324	NC	Pamlico	242	373	224	349
MT	Wheatland	778	1331	760	1319	NC	Pasquotank	264	463	45	404
MT	Wibaux	767	1287	748	1264	NC	Pender	168	271	154	247
MT	Yellowstone	691	1208	678	1190	NC	Perquimans	264	463	45	404
NC	Alamance	267	466	255	447	NC	Person	170	273	151	244
NC	Alexander	192	298	175	268	NC	Pitt	195	303	181	276
NC	Alleghany	73	81	53	54	NC	Polk	191	296	170	263
NC	Anson	167	270	173	266	NC	Randolph	186	289	160	253
NC	Ashe	194	405	204	307	NC	Richmond	205	315	189	359
NC	Avery	240	369	221	337	NC	Robeson	207	317	191	287
NC	Beaufort	195	303	181	276	NC	Rockingham	186	289	160	335
NC	Bertie	243	439	225	424	NC	Rowan	235	362	173	266
NC	Bladen	207	359	191	319	NC	Rutherford	218	368	246	438
NC	Brunswick	168	271	154	247	NC	Sampson	262	1417	232	351
NC	Buncombe	225	340	202	301	NC	Scotland	207	317	191	287
NC	Burke	229	348	175	268	NC	Stanly	235	423	173	394
NC	Cabarrus	235	362	173	266	NC	Stokes	149	251	160	253
NC	Caldwell	229	348	175	268	NC	Surry	149	251	160	253
NC	Camden	264	463	45	404	NC	Swain	209	319	193	289
NC	Carteret	242	373	224	348	NC	Transylvania	225	340	202	301
NC	Caswell	132	234	126	219	NC	Tyrrell	195	303	181	276
NC	Catawba	229	348	175	268	NC	Union	167	270	173	266
NC	Chatham	203	313	151	302	NC	Vance	170	417	151	353
						NC	Wake	198	308	151	244

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State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
NC	Warren	170	417	151	353	NE	Burt	542	925	541	918
NC	Washington	195	303	181	276	NE	Butler	561	1133	545	1122
NC	Watauga	194	301	204	307	NE	Cass	542	925	541	918
NC	Wayne	238	392	219	383	NE	Cedar	578	963	564	940
NC	Wilkes	256	455	160	411	NE	Chase	654	1073	640	1065
NC	Wilson	198	350	209	312	NE	Cherry	668	1180	662	1169
NC	Yadkin	149	251	160	253	NE	Cheyenne	741	1117	727	1104
NC	Yancey	240	369	221	338	NE	Clay	564	949	550	927
ND	Adams	640	1047	626	1018	NE	Colfax	542	1172	656	1163
ND	Barnes	547	1100	531	1030	NE	Cuming	542	1115	602	1102
ND	Benson	655	1076	641	1068	NE	Custer	594	1092	579	1084
ND	Billings	605	997	587	970	NE	Dakota	560	945	530	906
ND	Bottineau	550	933	533	1037	NE	Dawes	623	1123	607	1113
ND	Bowman	640	1047	626	1018	NE	Dawson	570	1132	556	1121
ND	Burke	550	933	533	909	NE	Deuel	741	1117	727	1104
ND	Burleigh	543	926	544	921	NE	Dixon	560	945	530	906
ND	Cass	547	930	531	907	NE	Dodge	542	1014	602	987
ND	Cavalier	584	984	569	960	NE	Douglas	542	925	541	918
ND	Dickey	680	1192	672	1179	NE	Dundy	654	1074	640	1066
ND	Divide	579	964	565	941	NE	Fillmore	658	1105	645	1093
ND	Dunn	605	997	587	970	NE	Franklin	570	1165	556	1153
ND	Eddy	655	1075	641	1067	NE	Frontier	570	1132	556	1121
ND	Emmons	543	1139	544	1043	NE	Furnas	616	1012	600	985
ND	Foster	632	1033	616	1004	NE	Gage	561	1026	545	997
ND	Golden Valley	605	997	587	970	NE	Garden	580	966	566	943
ND	Grand Forks	584	970	569	946	NE	Garfield	594	983	579	959
ND	Grant	670	1182	544	1125	NE	Gosper	570	1132	556	1121
ND	Griggs	547	1147	531	1110	NE	Grant	580	966	566	943
ND	Hettinger	640	1047	626	1018	NE	Greeley	555	939	539	916
ND	Kidder	543	926	544	921	NE	Hall	555	939	539	916
ND	LaMoure	680	1192	672	1179	NE	Hamilton	555	1120	539	1108
ND	Logan	684	1196	665	1172	NE	Harlan	616	1012	600	1049
ND	McHenry	550	933	533	909	NE	Hayes	654	1073	640	1065
ND	McIntosh	684	1196	665	1172	NE	Hitchcock	613	1161	597	1150
ND	McKenzie	579	964	565	1024	NE	Holt	559	944	543	920
ND	McLean	543	1095	544	921	NE	Hooker	593	980	578	957
ND	Mercer	543	926	544	921	NE	Howard	555	939	539	916
ND	Morton	543	926	544	921	NE	Jefferson	561	1026	545	997
ND	Mountrail	550	933	533	909	NE	Johnson	660	1113	647	1100
ND	Nelson	584	970	569	946	NE	Kearney	570	955	556	933
ND	Oliver	543	926	544	921	NE	Keith	593	980	578	1040
ND	Pembina	584	984	569	960	NE	Keya Paha	559	944	543	920
ND	Pierce	638	1146	624	1134	NE	Kimball	741	1256	727	1237
ND	Ramsey	655	1076	641	1068	NE	Knox	578	963	564	940
ND	Ransom	547	930	531	907	NE	Lancaster	561	946	545	922
ND	Renville	550	933	533	909	NE	Lincoln	593	980	578	957
ND	Richland	677	1189	667	1174	NE	Logan	594	1092	579	1084
ND	Rolette	638	1045	624	1016	NE	Loup	594	1092	579	1084
ND	Sargent	547	930	531	907	NE	Madison	577	962	563	939
ND	Sheridan	543	1095	544	921	NE	McPherson	593	980	578	957
ND	Sioux	543	926	544	921	NE	Merrick	555	939	539	916
ND	Slope	640	1047	626	1018	NE	Morrill	580	966	566	943
ND	Stark	605	997	587	970	NE	Nance	651	1096	636	1087
ND	Steele	547	930	531	907	NE	Nemaha	687	1199	677	1184
ND	Stutsman	632	1033	616	1004	NE	Nemaha	564	949	550	927
ND	Towner	638	1045	624	1016	NE	Nuckolls	660	1114	647	1101
ND	Traill	547	1170	531	1137	NE	Otoe	628	1028	612	999
ND	Walsh	584	970	569	946	NE	Pawnee	593	980	578	957
ND	Ward	550	933	533	909	NE	Perkins	593	980	578	957
ND	Wells	632	1160	616	1149	NE	Phelps	616	1012	600	985
ND	Williams	579	964	565	941	NE	Pierce	577	962	563	939
NE	Adams	564	949	550	927	NE	Platte	651	1063	636	1054
NE	Antelope	577	962	563	939	NE	Polk	611	1005	594	978
NE	Arthur	593	980	578	957	NE	Red Willow	613	1161	597	1150
NE	Banner	580	966	566	943	NE	Richardson	628	1028	612	999
NE	Blaine	594	1092	579	1084	NE	Rock	559	944	543	920
NE	Boone	651	1062	636	1053	NE	Saline	561	946	545	922
NE	Box Butte	580	966	566	943	NE	Sarpy	542	925	541	918
NE	Boyd	595	1002	580	975	NE	Saunders	542	1014	602	987
NE	Brown	559	944	543	920	NE	Scott Bluff	580	966	566	943
NE	Buffalo	570	955	556	933	NE	Seward	561	946	545	922
NE						NE	Sheridan	623	1020	607	992
NE						NE	Sherman	570	955	556	933
NE						NE	Sioux	623	1123	607	1113

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State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
NE	Stanton . . . . .	577	962	563	939	NM	Torrance . . . . .	693	1205	680	1187
NE	Thayer . . . . .	658	1106	645	1094	NM	Union . . . . .	814	1415	801	1400
NE	Thomas . . . . .	594	1092	579	1084	NM	Valencia . . . . .	693	1205	680	1187
NE	Thurston . . . . .	560	945	530	906	NV	Churchill . . . . .	701	1214	688	1276
NE	Valley . . . . .	594	983	579	959	NV	Clark . . . . .	707	1220	693	1201
NE	Washington . . . . .	542	925	541	918	NV	Douglas . . . . .	701	1265	688	1245
NE	Wayne . . . . .	577	1157	563	1145	NV	Elko . . . . .	720	1233	706	1214
NE	Webster . . . . .	564	949	550	927	NV	Esmeralda . . . . .	707	1220	693	1201
NE	Wheeler . . . . .	594	983	579	959	NV	Eureka . . . . .	720	1233	706	1214
NE	York . . . . .	611	1005	594	978	NV	Humboldt . . . . .	701	1214	688	1196
NH	Belknap . . . . .	91	108	61	64	NV	Lander . . . . .	720	1233	706	1214
NH	Carroll . . . . .	91	210	86	150	NV	Lincoln . . . . .	707	1220	693	1201
NH	Cheshire . . . . .	90	105	67	77	NV	Lyon . . . . .	701	1265	688	1245
NH	Coos . . . . .	138	240	130	223	NV	Mineral . . . . .	701	1332	688	1320
NH	Grafton . . . . .	15	17	14	14	NV	Nye . . . . .	707	1220	693	1201
NH	Hillsborough . . . . .	91	169	61	64	NV	Ormsby . . . . .	701	1265	688	1245
NH	Merrimack . . . . .	91	108	61	64	NV	Pershing . . . . .	701	1214	688	1196
NH	Rockingham . . . . .	74	83	86	149	NV	Storey . . . . .	701	1214	688	1196
NH	Strafford . . . . .	98	119	86	149	NV	Washoe . . . . .	701	1214	688	1196
NH	Sullivan . . . . .	15	215	110	203	NV	White Pine . . . . .	805	1406	798	1397
NJ	Atlantic . . . . .	64	71	64	69	NY	Albany . . . . .	10	11	7	7
NJ	Bergen . . . . .	36	39	83	127	NY	Allegany . . . . .	35	89	28	57
NJ	Burlington . . . . .	23	184	64	70	NY	Bronx . . . . .	94	114	54	56
NJ	Camden . . . . .	23	25	64	70	NY	Broome . . . . .	19	84	27	27
NJ	Cape May . . . . .	64	71	64	69	NY	Cattaraugus . . . . .	35	89	28	57
NJ	Cumberland . . . . .	127	229	98	191	NY	Cayuga . . . . .	56	187	74	94
NJ	Essex . . . . .	66	111	66	76	NY	Chautauqua . . . . .	106	186	84	171
NJ	Gloucester . . . . .	23	25	64	70	NY	Chemung . . . . .	65	72	47	48
NJ	Hudson . . . . .	36	208	83	128	NY	Chenango . . . . .	58	181	41	167
NJ	Hunterdon . . . . .	93	113	66	75	NY	Clinton . . . . .	81	92	58	61
NJ	Mercer . . . . .	126	228	66	173	NY	Columbia . . . . .	112	163	7	7
NJ	Middlesex . . . . .	66	73	66	75	NY	Cortland . . . . .	105	128	80	114
NJ	Monmouth . . . . .	108	133	124	217	NY	Delaware . . . . .	58	64	41	41
NJ	Morris . . . . .	87	99	66	76	NY	Dutchess . . . . .	41	129	81	117
NJ	Ocean . . . . .	108	133	124	217	NY	Erie . . . . .	54	94	60	63
NJ	Passaic . . . . .	36	39	83	127	NY	Essex . . . . .	81	92	58	61
NJ	Salem . . . . .	23	25	101	194	NY	Franklin . . . . .	81	140	58	139
NJ	Somerset . . . . .	66	73	66	75	NY	Fulton . . . . .	76	86	7	116
NJ	Sussex . . . . .	87	99	66	76	NY	Genesee . . . . .	54	94	60	113
NJ	Union . . . . .	66	111	66	76	NY	Greene . . . . .	112	163	7	7
NJ	Warren . . . . .	93	113	114	207	NY	Hamilton . . . . .	88	100	7	177
NM	Bernalillo . . . . .	693	1205	680	1187	NY	Herkimer . . . . .	59	65	56	180
NM	Catron . . . . .	793	1394	781	1380	NY	Jefferson . . . . .	80	91	56	59
NM	Chaves . . . . .	772	1303	753	1290	NY	Kings . . . . .	113	166	54	56
NM	Colfax . . . . .	704	1376	690	1362	NY	Lewis . . . . .	80	91	56	59
NM	Curry . . . . .	725	1238	711	1220	NY	Livingston . . . . .	54	60	12	12
NM	De Baca . . . . .	725	1238	711	1277	NY	Madison . . . . .	59	65	74	93
NM	Dona Ana . . . . .	732	1246	719	1229	NY	Monroe . . . . .	54	60	12	12
NM	Eddy . . . . .	772	1304	753	1291	NY	Montgomery . . . . .	76	86	7	7
NM	Grant . . . . .	793	1394	781	1380	NY	Nassau . . . . .	83	95	54	56
NM	Guadalupe . . . . .	801	1402	780	1379	NY	New York . . . . .	94	114	54	56
NM	Harding . . . . .	801	1402	780	1379	NY	Niagara . . . . .	54	112	100	193
NM	Hidalgo . . . . .	793	1394	781	1380	NY	Oneida . . . . .	59	65	56	180
NM	Lea . . . . .	508	806	495	1402	NY	Onondaga . . . . .	56	62	74	93
NM	Lincoln . . . . .	769	1289	749	1265	NY	Ontario . . . . .	21	23	12	12
NM	Los Alamos . . . . .	724	1237	709	1218	NY	Orange . . . . .	86	98	63	67
NM	Luna . . . . .	732	1246	719	1229	NY	Orleans . . . . .	54	112	12	12
NM	McKinley . . . . .	765	1285	747	1263	NY	Oswego . . . . .	56	62	74	93
NM	Mora . . . . .	801	1402	780	1379	NY	Otsego . . . . .	58	64	41	41
NM	Otero . . . . .	769	1289	749	1265	NY	Putnam . . . . .	41	44	54	56
NM	Quay . . . . .	725	1380	711	1367	NY	Queens . . . . .	83	177	54	56
NM	Rio Arriba . . . . .	724	1237	709	1218	NY	Rensselaer . . . . .	10	11	7	7
NM	Roosevelt . . . . .	725	1238	711	1220	NY	Richmond . . . . .	113	167	54	56
NM	San Juan . . . . .	740	1354	726	1343	NY	Rockland . . . . .	133	235	54	56
NM	San Miguel . . . . .	801	1402	780	1379	NY	Saratoga . . . . .	88	100	7	7
NM	Sandoval . . . . .	693	1205	680	1187	NY	Schenectady . . . . .	88	198	7	7
NM	Santa Fe . . . . .	724	1237	709	1218	NY	Schoharie . . . . .	58	64	41	125
NM	Sierra . . . . .	732	1307	719	1296	NY	Schuyler . . . . .	65	72	47	48
NM	Socorro . . . . .	693	1205	680	1187	NY	Seneca . . . . .	21	23	12	12
NM	Taos . . . . .	724	1353	709	1285	NY	St. Lawrence . . . . .	80	206	117	210
						NY	Steuben . . . . .	65	72	47	110

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
NY	Suffolk . . . . .	83	95	54	56	OH	Ottawa . . . . .	276	601	276	469
NY	Sullivan . . . . .	86	98	63	68	OH	Paulding . . . . .	356	635	341	535
NY	Tioga . . . . .	19	21	27	27	OH	Perry . . . . .	377	581	351	555
NY	Tompkins . . . . .	105	128	80	115	OH	Pickaway . . . . .	281	479	283	476
NY	Ulster . . . . .	41	129	81	118	OH	Pike . . . . .	337	534	319	512
NY	Warren . . . . .	88	100	7	177	OH	Portage . . . . .	352	547	382	656
NY	Washington . . . . .	88	100	7	177	OH	Preble . . . . .	295	492	292	485
NY	Wayne . . . . .	21	151	12	12	OH	Putnam . . . . .	292	489	307	500
NY	Westchester . . . . .	41	44	54	56	OH	Richland . . . . .	369	572	344	540
NY	Wyoming . . . . .	54	94	60	63	OH	Ross . . . . .	337	534	319	512
NY	Yates . . . . .	21	195	12	134	OH	Sandusky . . . . .	366	611	340	608
OH	Adams . . . . .	270	593	266	595	OH	Scioto . . . . .	337	647	319	629
OH	Allen . . . . .	292	489	307	500	OH	Seneca . . . . .	386	595	361	591
OH	Ashland . . . . .	369	572	344	540	OH	Shelby . . . . .	376	580	369	646
OH	Ashtabula . . . . .	288	610	318	511	OH	Stark . . . . .	347	543	323	516
OH	Athens . . . . .	368	670	283	624	OH	Summit . . . . .	352	547	382	656
OH	Auglaize . . . . .	292	489	307	500	OH	Trumbull . . . . .	345	541	339	533
OH	Belmont . . . . .	24	26	57	60	OH	Tuscarawas . . . . .	347	543	323	516
OH	Brown . . . . .	270	469	266	459	OH	Union . . . . .	354	630	283	476
OH	Butler . . . . .	270	672	266	637	OH	Van Wert . . . . .	292	570	307	538
OH	Carroll . . . . .	347	543	323	516	OH	Vinton . . . . .	368	670	283	624
OH	Champaign . . . . .	346	542	292	485	OH	Warren . . . . .	270	469	266	459
OH	Clark . . . . .	346	542	292	485	OH	Washington . . . . .	34	37	43	43
OH	Clermont . . . . .	270	469	266	459	OH	Wayne . . . . .	347	564	323	532
OH	Clinton . . . . .	372	576	347	543	OH	Williams . . . . .	356	675	341	628
OH	Columbiana . . . . .	380	584	376	651	OH	Wood . . . . .	276	474	276	469
OH	Coshocton . . . . .	377	631	351	621	OH	Wyandot . . . . .	354	549	330	522
OH	Crawford . . . . .	354	606	330	603	OK	Adair . . . . .	445	774	435	752
OH	Cuyahoga . . . . .	288	485	318	511	OK	Alfalfa . . . . .	429	708	416	687
OH	Darke . . . . .	295	646	292	587	OK	Atoka . . . . .	436	828	423	817
OH	Defiance . . . . .	356	552	341	535	OK	Beaver . . . . .	535	918	524	900
OH	Delaware . . . . .	281	654	283	476	OK	Beckham . . . . .	440	720	429	701
OH	Erie . . . . .	366	566	340	534	OK	Blaine . . . . .	429	815	407	824
OH	Fairfield . . . . .	368	569	283	476	OK	Bryan . . . . .	436	715	423	694
OH	Fayette . . . . .	281	600	283	476	OK	Caddo . . . . .	476	761	464	741
OH	Franklin . . . . .	281	479	283	476	OK	Canadian . . . . .	417	696	407	678
OH	Fulton . . . . .	276	474	276	469	OK	Carter . . . . .	474	758	462	737
OH	Galla . . . . .	283	481	264	456	OK	Cherokee . . . . .	445	774	435	752
OH	Geauga . . . . .	288	485	318	511	OK	Choctaw . . . . .	438	718	425	697
OH	Greene . . . . .	295	492	292	485	OK	Cimarron . . . . .	587	1038	572	1009
OH	Guernsey . . . . .	377	581	351	554	OK	Cleveland . . . . .	430	709	407	678
OH	Hamilton . . . . .	270	469	266	459	OK	Coal . . . . .	478	763	466	743
OH	Hancock . . . . .	386	594	361	590	OK	Comanche . . . . .	493	787	482	764
OH	Hardin . . . . .	292	489	307	500	OK	Cotton . . . . .	493	787	482	764
OH	Harrison . . . . .	360	556	57	60	OK	Craig . . . . .	414	782	410	681
OH	Henry . . . . .	356	552	276	469	OK	Creek . . . . .	414	693	410	681
OH	Highland . . . . .	372	576	347	543	OK	Custer . . . . .	475	760	463	740
OH	Hocking . . . . .	368	569	283	476	OK	Delaware . . . . .	446	802	410	770
OH	Holmes . . . . .	347	564	323	532	OK	Dewey . . . . .	469	864	457	850
OH	Huron . . . . .	366	566	340	534	OK	Ellis . . . . .	469	752	457	731
OH	Jackson . . . . .	283	481	264	456	OK	Garfield . . . . .	429	708	416	687
OH	Jefferson . . . . .	360	556	57	83	OK	Garvin . . . . .	430	789	484	766
OH	Knox . . . . .	388	612	377	652	OK	Grady . . . . .	476	761	464	741
OH	Lake . . . . .	288	485	318	511	OK	Grant . . . . .	429	708	416	687
OH	Lawrence . . . . .	46	50	3	3	OK	Greer . . . . .	483	770	472	750
OH	Licking . . . . .	388	613	283	476	OK	Harmon . . . . .	483	770	472	799
OH	Logan . . . . .	398	677	386	660	OK	Harper . . . . .	469	752	457	731
OH	Lorain . . . . .	366	669	318	622	OK	Haskell . . . . .	421	866	409	680
OH	Lucas . . . . .	276	474	276	469	OK	Hughes . . . . .	478	810	421	846
OH	Madison . . . . .	281	479	283	476	OK	Jackson . . . . .	483	770	472	750
OH	Mahoning . . . . .	345	541	339	533	OK	Jefferson . . . . .	497	792	486	768
OH	Marion . . . . .	354	549	330	522	OK	Johnston . . . . .	474	847	462	832
OH	Medina . . . . .	352	624	318	511	OK	Kay . . . . .	515	894	502	878
OH	Melgs . . . . .	283	481	264	577	OK	Kingfisher . . . . .	429	816	407	806
OH	Mercer . . . . .	292	570	307	538	OK	Kiowa . . . . .	493	787	482	764
OH	Miami . . . . .	376	580	292	485	OK	Latimer . . . . .	466	749	455	729
OH	Monroe . . . . .	24	26	57	60	OK	Le Flore . . . . .	421	700	409	680
OH	Montgomery . . . . .	295	492	292	485	OK	Lincoln . . . . .	417	773	407	678
OH	Morgan . . . . .	377	581	351	555	OK	Logan . . . . .	417	696	407	678
OH	Morrow . . . . .	354	607	330	604	OK	Love . . . . .	474	758	462	737
OH	Muskingum . . . . .	377	581	351	555	OK	Major . . . . .	429	708	416	687
OH	Noble . . . . .	377	581	351	554	OK	Marshall . . . . .	474	848	462	833



Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
OK	Mayes	414	693	410	681	PA	Beaver	42	185	102	195
OK	McClain	430	709	407	678	PA	Bedford	57	120	75	132
OK	McCurtain	404	747	427	727	PA	Berks	139	241	115	208
OK	McIntosh	445	726	435	708	PA	Blair	57	120	75	96
OK	Murray	430	789	484	766	PA	Bradford	19	21	27	27
OK	Muskogee	445	726	435	708	PA	Bucks	28	31	64	70
OK	Noble	472	756	460	735	PA	Butler	42	45	26	72
OK	Nowata	451	732	442	715	PA	Cambria	57	63	75	97
OK	Oklfuskee	529	912	421	692	PA	Cameron	35	38	28	28
OK	Oklahoma	417	696	407	678	PA	Carbon	84	175	114	207
OK	Okmulgee	529	912	421	692	PA	Centre	26	139	20	137
OK	Osage	515	895	410	681	PA	Chester	28	200	64	70
OK	Ottawa	414	782	410	770	PA	Clarion	52	58	38	38
OK	Pawnee	472	756	410	681	PA	Clearfield	26	29	20	20
OK	Payne	472	756	460	735	PA	Clinton	44	48	33	33
OK	Pittsburg	466	749	455	729	PA	Columbia	78	88	1	1
OK	Pontotoc	478	763	466	743	PA	Crawford	117	219	111	204
OK	Pottawatomie	417	773	407	678	PA	Cumberland	43	47	91	184
OK	Pushmataha	466	853	455	840	PA	Dauphin	43	47	91	184
OK	Roger Mills	440	720	429	701	PA	Delaware	28	144	64	70
OK	Rogers	414	693	410	681	PA	Elk	125	227	123	216
OK	Seminole	478	810	407	678	PA	Erie	106	131	84	129
OK	Sequoyah	421	845	409	680	PA	Fayette	100	122	26	26
OK	Stephens	497	792	486	768	PA	Forest	52	58	38	38
OK	Texas	587	973	572	950	PA	Franklin	72	80	52	112
OK	Tillman	493	831	482	821	PA	Fulton	72	80	52	53
OK	Tulsa	414	693	410	681	PA	Greene	100	150	99	192
OK	Wagoner	445	726	410	681	PA	Huntingdon	110	152	85	144
OK	Washington	451	732	442	715	PA	Indiana	42	110	26	163
OK	Washita	475	760	463	740	PA	Jefferson	26	29	20	20
OK	Woods	429	821	416	812	PA	Juniata	110	153	85	145
OK	Woodward	469	752	457	731	PA	Lackawanna	47	51	1	1
OR	Baker	759	1387	774	1373	PA	Lancaster	140	242	131	224
OR	Benton	727	1240	713	1222	PA	Lawrence	129	231	103	196
OR	Clackamas	689	1201	695	1203	PA	Lebanon	43	202	91	184
OR	Clatsop	689	1318	695	1307	PA	Lehigh	84	96	114	207
OR	Columbia	689	1253	695	1203	PA	Luzerne	78	88	1	1
OR	Coos	738	1313	724	1303	PA	Lycoming	44	48	33	33
OR	Crook	719	1232	705	1213	PA	McKean	35	38	28	28
OR	Curry	738	1252	724	1234	PA	Mercer	345	199	339	533
OR	Deschutes	719	1232	705	1213	PA	Mifflin	110	153	85	145
OR	Douglas	782	1359	766	1350	PA	Monroe	84	191	1	1
OR	Gilliam	748	1264	733	1244	PA	Montgomery	28	31	64	70
OR	Grant	806	1407	793	1392	PA	Montour	8	9	1	1
OR	Harney	719	1340	705	1327	PA	Northampton	84	96	114	207
OR	Hood River	748	1341	733	1328	PA	Northumberland	8	9	4	4
OR	Jackson	752	1269	737	1249	PA	Perry	43	47	91	184
OR	Jefferson	719	1232	705	1213	PA	Philadelphia	28	31	64	70
OR	Josephine	752	1269	737	1249	PA	Pike	86	98	63	67
OR	Klamath	743	1258	729	1239	PA	Potter	35	38	28	28
OR	Lake	743	1258	729	1239	PA	Schuykill	8	9	1	71
OR	Lane	782	1360	766	1349	PA	Snyder	8	9	4	4
OR	Lincoln	783	1363	767	1352	PA	Somerset	57	63	75	97
OR	Linn	727	1240	713	1222	PA	Sullivan	19	21	27	27
OR	Malheur	729	1243	716	1226	PA	Susquehanna	19	84	27	126
OR	Marion	705	1218	782	1381	PA	Tioga	128	230	118	211
OR	Morrow	717	1299	703	1286	PA	Union	8	9	4	4
OR	Multnomah	689	1201	695	1203	PA	Venango	52	58	38	38
OR	Polk	705	1218	782	1381	PA	Warren	106	131	84	130
OR	Sherman	748	1264	733	1244	PA	Washington	100	122	26	26
OR	Tillamook	783	1364	767	1353	PA	Wayne	47	51	1	140
OR	Umatilla	717	1299	703	1286	PA	Westmoreland	42	110	26	26
OR	Union	759	1277	742	1256	PA	Wyoming	78	159	1	1
OR	Wallowa	759	1277	742	1256	PA	York	48	52	92	185
OR	Wasco	748	1264	733	1244	RI	Bristol	20	22	96	189
OR	Washington	689	1201	695	1203	RI	Kent	20	22	96	189
OR	Wheeler	719	1232	705	1213	RI	Newport	68	75	125	218
OR	Yamhill	705	1366	695	1203	RI	Providence	20	22	96	189
PA	Adams	48	52	92	185	RI	Washington	20	104	95	188
PA	Allegheny	42	45	26	26	SC	Abbeville	187	290	171	264
PA	Armstrong	42	45	26	26	SC	Aiken	152	254	149	242

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
SC	Allendale . . . . .	176	426	159	408	SD	Hand . . . . .	600	1143	583	1130
SC	Anderson . . . . .	182	285	207	310	SD	Hanson . . . . .	615	1011	599	984
SC	Bamberg . . . . .	176	279	159	252	SD	Harding . . . . .	640	1047	626	1018
SC	Barnwell . . . . .	152	382	149	242	SD	Hughes . . . . .	629	1029	613	1000
SC	Beaufort . . . . .	143	354	150	418	SD	Hutchinson . . . . .	578	1022	564	993
SC	Berkeley . . . . .	212	322	176	269	SD	Hyde . . . . .	600	1143	583	1130
SC	Calhoun . . . . .	176	279	159	252	SD	Jackson . . . . .	558	943	542	919
SC	Charleston . . . . .	212	322	176	269	SD	Jerauld . . . . .	600	991	583	965
SC	Cherokee . . . . .	191	296	170	263	SD	Jones . . . . .	629	1029	613	1000
SC	Chester . . . . .	244	375	236	428	SD	Kingsbury . . . . .	610	1004	593	977
SC	Chesterfield . . . . .	184	380	167	375	SD	Lake . . . . .	544	1125	527	1114
SC	Clarendon . . . . .	196	306	183	279	SD	Lawrence . . . . .	586	972	571	948
SC	Colleton . . . . .	212	322	176	269	SD	Lincoln . . . . .	544	927	527	903
SC	Darlington . . . . .	184	287	167	260	SD	Lyman . . . . .	615	1150	599	1138
SC	Dillon . . . . .	199	309	185	281	SD	Marshall . . . . .	572	1163	648	1152
SC	Dorchester . . . . .	212	322	176	269	SD	McCook . . . . .	544	927	527	903
SC	Edgefield . . . . .	152	254	149	242	SD	McPherson . . . . .	572	956	558	934
SC	Fairfield . . . . .	160	262	144	237	SD	Meade . . . . .	558	1032	542	1003
SC	Florence . . . . .	184	287	167	260	SD	Mellette . . . . .	595	985	580	961
SC	Georgetown . . . . .	246	378	228	367	SD	Miner . . . . .	544	927	527	903
SC	Greenville . . . . .	182	285	170	263	SD	Minnehaha . . . . .	544	927	527	903
SC	Greenwood . . . . .	187	290	171	264	SD	Moody . . . . .	544	927	527	903
SC	Hampton . . . . .	212	322	176	360	SD	Pennington . . . . .	558	943	542	919
SC	Horry . . . . .	246	378	228	368	SD	Perkins . . . . .	640	1047	626	1018
SC	Jasper . . . . .	143	354	150	243	SD	Potter . . . . .	648	1055	632	1032
SC	Kershaw . . . . .	249	400	231	387	SD	Roberts . . . . .	590	976	574	1029
SC	Lancaster . . . . .	249	401	231	388	SD	Sanborn . . . . .	615	1011	599	984
SC	Laurens . . . . .	187	290	171	373	SD	Shannon . . . . .	623	1020	607	992
SC	Lee . . . . .	196	306	183	352	SD	Spink . . . . .	572	1069	558	1060
SC	Lexington . . . . .	160	262	144	237	SD	Stanley . . . . .	629	1029	613	1000
SC	Marion . . . . .	199	309	185	281	SD	Sully . . . . .	629	1029	613	1000
SC	Marlboro . . . . .	184	450	244	436	SD	Todd . . . . .	595	985	580	961
SC	McCormick . . . . .	187	290	171	264	SD	Tripp . . . . .	595	985	580	961
SC	Newberry . . . . .	160	388	144	324	SD	Turner . . . . .	544	927	527	903
SC	Oconee . . . . .	182	285	207	310	SD	Union . . . . .	544	927	527	903
SC	Orangeburg . . . . .	176	279	159	252	SD	Walworth . . . . .	648	1055	632	1031
SC	Pickens . . . . .	182	285	170	263	SD	Yankton . . . . .	578	963	564	940
SC	Richland . . . . .	160	262	144	237	SD	Ziebach . . . . .	629	1029	613	1000
SC	Saluda . . . . .	187	290	171	264	TN	Anderson . . . . .	226	341	132	225
SC	Spartanburg . . . . .	191	296	170	263	TN	Bedford . . . . .	260	459	251	443
SC	Sumter . . . . .	196	306	183	279	TN	Benton . . . . .	115	370	222	339
SC	Union . . . . .	191	399	170	381	TN	Bledsoe . . . . .	223	337	182	278
SC	Williamsburg . . . . .	184	287	167	260	TN	Blount . . . . .	147	389	132	225
SC	York . . . . .	244	375	173	266	TN	Bradley . . . . .	173	276	156	249
SD	Aurora . . . . .	615	1011	599	984	TN	Campbell . . . . .	226	440	36	425
SD	Beadle . . . . .	600	991	583	965	TN	Cannon . . . . .	211	321	214	345
SD	Bennett . . . . .	623	1020	607	992	TN	Carroll . . . . .	115	370	222	340
SD	Bon Homme . . . . .	578	1022	564	993	TN	Carter . . . . .	169	272	179	273
SD	Brookings . . . . .	610	1004	593	977	TN	Cheatham . . . . .	148	250	137	230
SD	Brown . . . . .	572	956	558	934	TN	Chester . . . . .	188	291	172	265
SD	Brule . . . . .	615	1150	599	1138	TN	Claiborne . . . . .	96	424	238	405
SD	Buffalo . . . . .	615	1150	599	1138	TN	Clay . . . . .	215	427	198	410
SD	Butte . . . . .	558	1032	542	1003	TN	Cocke . . . . .	252	430	132	343
SD	Campbell . . . . .	648	1055	632	1031	TN	Coffee . . . . .	239	367	220	333
SD	Charles Mix . . . . .	615	1011	599	984	TN	Crockett . . . . .	188	291	172	265
SD	Clark . . . . .	568	953	554	931	TN	Cumberland . . . . .	223	337	206	309
SD	Clay . . . . .	578	963	564	940	TN	Davidson . . . . .	148	250	137	230
SD	Codington . . . . .	568	953	554	931	TN	De Kalb . . . . .	211	357	214	317
SD	Corson . . . . .	648	1055	632	1031	TN	Decatur . . . . .	188	291	172	362
SD	Custer . . . . .	558	943	542	919	TN	Dickson . . . . .	148	304	137	230
SD	Davison . . . . .	615	1011	599	984	TN	Dyer . . . . .	248	393	230	384
SD	Day . . . . .	572	1162	648	1151	TN	Fayette . . . . .	146	248	399	670
SD	Deuel . . . . .	568	953	554	931	TN	Fentress . . . . .	223	408	206	309
SD	Dewey . . . . .	648	1055	632	1031	TN	Franklin . . . . .	239	367	220	334
SD	Douglas . . . . .	615	1011	599	984	TN	Gibson . . . . .	188	291	172	265
SD	Edmunds . . . . .	572	956	558	934	TN	Giles . . . . .	208	434	192	417
SD	Fall River . . . . .	558	943	542	919	TN	Grainger . . . . .	217	328	132	225
SD	Faulk . . . . .	572	1097	558	1088	TN	Greene . . . . .	252	431	256	448
SD	Grant . . . . .	568	1149	554	1136	TN	Grundy . . . . .	239	367	220	334
SD	Gregory . . . . .	595	1002	580	975	TN	Hamblen . . . . .	217	328	132	225
SD	Haakon . . . . .	629	1029	613	1000	TN	Hamilton . . . . .	141	243	182	278
SD	Hamlin . . . . .	568	953	554	931	TN	Hancock . . . . .	217	425	238	430

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
TN	Hardeman . . . . .	188	433	172	416	TX	Baylor . . . . .	420	765	468	745
TN	Hardin . . . . .	245	377	227	357	TX	Bee . . . . .	513	869	498	854
TN	Hawkins . . . . .	151	253	179	273	TX	Bell . . . . .	452	733	446	719
TN	Haywood . . . . .	188	447	241	433	TX	Bexar . . . . .	410	689	395	667
TN	Henderson . . . . .	188	291	172	265	TX	Blanco . . . . .	506	804	493	781
TN	Henry . . . . .	115	403	89	390	TX	Borden . . . . .	406	685	392	664
TN	Hickman . . . . .	148	304	137	230	TX	Bosque . . . . .	462	772	451	751
TN	Houston . . . . .	234	361	168	406	TX	Bowie . . . . .	404	683	427	699
TN	Humphreys . . . . .	148	304	137	230	TX	Brazoria . . . . .	505	822	405	791
TN	Jackson . . . . .	215	390	198	382	TX	Brazos . . . . .	464	746	453	726
TN	Jefferson . . . . .	217	328	132	225	TX	Brewster . . . . .	526	909	520	896
TN	Johnson . . . . .	194	301	179	273	TX	Briscoe . . . . .	405	684	404	675
TN	Knox . . . . .	147	249	132	225	TX	Brooks . . . . .	437	716	424	695
TN	Lake . . . . .	248	393	230	384	TX	Brown . . . . .	468	751	456	730
TN	Lauderdale . . . . .	248	394	230	385	TX	Burleson . . . . .	464	746	453	726
TN	Lawrence . . . . .	232	443	234	426	TX	Burnet . . . . .	425	704	403	674
TN	Lewis . . . . .	208	318	192	288	TX	Caldwell . . . . .	510	809	403	831
TN	Lincoln . . . . .	210	320	194	363	TX	Calhoun . . . . .	433	897	507	883
TN	Loudon . . . . .	147	249	132	225	TX	Callahan . . . . .	428	707	415	686
TN	Macon . . . . .	231	385	137	372	TX	Cameron . . . . .	520	903	514	890
TN	Madison . . . . .	188	291	172	265	TX	Camp . . . . .	465	890	454	874
TN	Marion . . . . .	141	243	182	278	TX	Carson . . . . .	405	684	404	675
TN	Marshall . . . . .	208	318	192	365	TX	Cass . . . . .	485	776	441	754
TN	Maury . . . . .	208	318	192	288	TX	Castro . . . . .	481	878	470	863
TN	McMinn . . . . .	147	353	211	314	TX	Chambers . . . . .	408	882	426	847
TN	McNairy . . . . .	245	377	227	358	TX	Cherokee . . . . .	509	893	504	880
TN	Melgs . . . . .	147	353	211	314	TX	Childress . . . . .	512	829	497	818
TN	Monroe . . . . .	147	353	211	314	TX	Clay . . . . .	420	699	402	673
TN	Montgomery . . . . .	234	361	168	261	TX	Cochran . . . . .	406	885	392	867
TN	Moore . . . . .	239	367	220	333	TX	Coke . . . . .	426	705	413	684
TN	Morgan . . . . .	226	341	132	225	TX	Coleman . . . . .	468	751	456	730
TN	Obion . . . . .	181	284	165	258	TX	Collin . . . . .	453	734	418	689
TN	Overton . . . . .	215	326	198	295	TX	Collingsworth . . . . .	524	907	518	894
TN	Perry . . . . .	232	352	210	313	TX	Colorado . . . . .	490	783	479	760
TN	Pickett . . . . .	215	326	198	295	TX	Comal . . . . .	517	900	395	667
TN	Polk . . . . .	173	276	156	249	TX	Comanche . . . . .	507	805	494	785
TN	Putnam . . . . .	215	326	198	295	TX	Concho . . . . .	426	705	413	684
TN	Rhea . . . . .	226	416	182	278	TX	Cooke . . . . .	495	790	418	868
TN	Roane . . . . .	226	341	132	400	TX	Coryell . . . . .	452	733	446	719
TN	Robertson . . . . .	148	250	137	230	TX	Cottle . . . . .	512	829	497	818
TN	Rutherford . . . . .	211	321	137	230	TX	Crane . . . . .	444	725	434	707
TN	Scott . . . . .	263	462	248	440	TX	Crockett . . . . .	426	705	413	684
TN	Sequatchie . . . . .	141	243	182	278	TX	Crosby . . . . .	406	861	392	848
TN	Sevier . . . . .	147	249	132	225	TX	Culberson . . . . .	415	694	398	669
TN	Shelby . . . . .	146	248	399	670	TX	Dallam . . . . .	405	717	404	696
TN	Smith . . . . .	231	371	137	321	TX	Dallas . . . . .	453	734	418	689
TN	Stewart . . . . .	234	361	168	261	TX	Dawson . . . . .	406	685	392	796
TN	Sullivan . . . . .	151	253	179	273	TX	De Witt . . . . .	433	712	419	690
TN	Sumner . . . . .	231	351	137	230	TX	Deaf Smith . . . . .	491	784	480	761
TN	Tipton . . . . .	146	248	399	670	TX	Delta . . . . .	438	718	425	697
TN	Trousdale . . . . .	231	351	137	321	TX	Denton . . . . .	495	790	418	689
TN	Unicoi . . . . .	169	272	179	273	TX	Dickens . . . . .	406	861	392	848
TN	Union . . . . .	147	249	132	225	TX	Dimmit . . . . .	531	914	510	886
TN	Van Buren . . . . .	211	357	214	317	TX	Donley . . . . .	405	684	404	675
TN	Warren . . . . .	211	357	214	317	TX	Duval . . . . .	437	716	424	695
TN	Washington . . . . .	169	272	179	273	TX	Eastland . . . . .	428	707	415	803
TN	Wayne . . . . .	232	352	210	313	TX	Ector . . . . .	444	725	434	707
TN	Weakley . . . . .	181	412	165	398	TX	Edwards . . . . .	506	804	493	782
TN	White . . . . .	215	451	245	437	TX	El Paso . . . . .	415	694	398	669
TN	Williamson . . . . .	148	250	137	230	TX	Ellis . . . . .	453	734	418	689
TN	Wilson . . . . .	231	371	137	230	TX	Erath . . . . .	507	805	494	786
TX	Anderson . . . . .	509	808	496	794	TX	Falls . . . . .	462	744	446	719
TX	Andrews . . . . .	508	806	495	790	TX	Fannin . . . . .	436	715	423	694
TX	Angelina . . . . .	449	730	439	712	TX	Fayette . . . . .	490	783	479	760
TX	Aransas . . . . .	437	716	424	695	TX	Fisher . . . . .	503	888	491	871
TX	Archer . . . . .	420	699	402	673	TX	Floyd . . . . .	481	767	470	747
TX	Armstrong . . . . .	405	684	404	675	TX	Foard . . . . .	458	739	445	718
TX	Atascosa . . . . .	410	689	395	667	TX	Fort Bend . . . . .	408	687	405	676
TX	Austin . . . . .	408	687	405	676	TX	Franklin . . . . .	465	748	454	728
TX	Bailey . . . . .	406	685	392	664	TX	Freestone . . . . .	489	781	477	758
TX	Bandera . . . . .	410	689	395	667	TX	Frio . . . . .	410	832	395	822
TX	Bastrop . . . . .	425	704	403	674	TX	Gaines . . . . .	508	806	495	805
						TX	Galveston . . . . .	532	915	405	836

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
TX	Garza . . . . .	406	685	392	664	TX	Matagorda . . . . .	505	803	405	779
TX	Gillespie . . . . .	506	804	493	781	TX	Maverick . . . . .	516	898	508	884
TX	Glasscock . . . . .	518	901	511	887	TX	McCulloch . . . . .	426	705	413	684
TX	Goliad . . . . .	433	712	419	690	TX	McLennan . . . . .	462	744	451	724
TX	Gonzales . . . . .	410	779	395	875	TX	McMullen . . . . .	410	689	395	667
TX	Gray . . . . .	460	742	449	722	TX	Medina . . . . .	410	689	395	667
TX	Grayson . . . . .	436	715	423	694	TX	Menard . . . . .	426	705	413	684
TX	Gregg . . . . .	454	735	441	714	TX	Midland . . . . .	492	786	481	763
TX	Grimes . . . . .	464	871	453	856	TX	Milam . . . . .	452	733	446	719
TX	Guadalupe . . . . .	410	779	395	667	TX	Mills . . . . .	468	751	456	730
TX	Hale . . . . .	481	767	470	747	TX	Mitchell . . . . .	503	800	491	776
TX	Hall . . . . .	512	830	497	819	TX	Montague . . . . .	420	699	402	673
TX	Hamilton . . . . .	462	772	451	751	TX	Montgomery . . . . .	408	687	405	676
TX	Hansford . . . . .	405	841	404	675	TX	Moore . . . . .	405	717	404	696
TX	Hardeman . . . . .	458	739	445	718	TX	Morris . . . . .	465	748	454	793
TX	Hardin . . . . .	413	692	426	698	TX	Motley . . . . .	406	685	392	664
TX	Harris . . . . .	408	687	405	676	TX	Nacogdoches . . . . .	447	728	437	710
TX	Harrison . . . . .	485	840	441	714	TX	Navarro . . . . .	489	781	477	758
TX	Hartley . . . . .	405	717	404	696	TX	Newton . . . . .	413	692	426	698
TX	Haskell . . . . .	428	769	415	749	TX	Nolan . . . . .	503	800	491	776
TX	Hays . . . . .	510	809	403	674	TX	Nueces . . . . .	437	716	424	695
TX	Hemphill . . . . .	460	742	449	722	TX	Ochiltree . . . . .	405	842	404	800
TX	Henderson . . . . .	441	819	431	703	TX	Oldham . . . . .	405	684	404	675
TX	Hidalgo . . . . .	427	706	414	685	TX	Orange . . . . .	413	692	426	698
TX	Hill . . . . .	462	850	451	778	TX	Palo Pinto . . . . .	479	764	467	744
TX	Hockley . . . . .	406	685	392	664	TX	Panola . . . . .	454	892	523	899
TX	Hood . . . . .	434	713	432	705	TX	Parker . . . . .	434	713	432	705
TX	Hopkins . . . . .	453	834	418	837	TX	Parmer . . . . .	491	784	480	761
TX	Houston . . . . .	509	808	496	795	TX	Pecos . . . . .	492	891	500	876
TX	Howard . . . . .	518	901	511	887	TX	Polk . . . . .	449	730	439	712
TX	Hudspeth . . . . .	415	694	398	669	TX	Potter . . . . .	405	684	404	675
TX	Hunt . . . . .	453	734	418	689	TX	Presidio . . . . .	526	909	520	896
TX	Hutchinson . . . . .	405	684	404	675	TX	Rains . . . . .	453	734	418	689
TX	Irion . . . . .	426	705	413	684	TX	Randall . . . . .	405	684	404	675
TX	Jack . . . . .	479	764	467	744	TX	Reagan . . . . .	426	705	413	684
TX	Jackson . . . . .	433	712	419	797	TX	Real . . . . .	506	804	493	782
TX	Jasper . . . . .	413	692	426	698	TX	Red River . . . . .	438	718	425	697
TX	Jeff Davis . . . . .	526	909	520	896	TX	Reeves . . . . .	444	725	434	707
TX	Jefferson . . . . .	413	692	426	698	TX	Refugio . . . . .	433	852	419	839
TX	Jim Hogg . . . . .	538	921	526	902	TX	Roberts . . . . .	460	742	449	722
TX	Jim Wells . . . . .	437	716	424	695	TX	Robertson . . . . .	464	746	453	726
TX	Johnson . . . . .	434	713	432	705	TX	Rockwall . . . . .	453	734	418	689
TX	Jones . . . . .	428	769	415	749	TX	Runnels . . . . .	426	851	413	838
TX	Karnes . . . . .	513	870	498	855	TX	Rusk . . . . .	454	874	431	852
TX	Kaufman . . . . .	453	734	418	689	TX	Sabine . . . . .	447	826	437	814
TX	Kendall . . . . .	410	689	395	667	TX	San Augustine . . . . .	447	728	437	710
TX	Kenedy . . . . .	437	716	424	695	TX	San Jacinto . . . . .	408	687	405	676
TX	Kent . . . . .	428	873	415	858	TX	San Patricio . . . . .	437	716	424	695
TX	Kerr . . . . .	506	804	493	782	TX	San Saba . . . . .	468	827	456	815
TX	Kimble . . . . .	506	857	493	844	TX	Schleicher . . . . .	426	705	413	684
TX	King . . . . .	406	685	392	664	TX	Scurry . . . . .	519	902	512	888
TX	Kinney . . . . .	516	899	509	885	TX	Shackelford . . . . .	428	707	415	686
TX	Kleberg . . . . .	437	716	424	695	TX	Shelby . . . . .	447	728	437	710
TX	Knox . . . . .	420	765	468	745	TX	Sherman . . . . .	405	717	404	696
TX	LaSalle . . . . .	410	832	395	822	TX	Smith . . . . .	441	721	431	703
TX	Lamar . . . . .	438	718	425	697	TX	Somervell . . . . .	434	713	432	705
TX	Lamb . . . . .	406	833	392	823	TX	Starr . . . . .	427	706	414	685
TX	Lampasas . . . . .	452	859	446	835	TX	Stephens . . . . .	428	707	415	686
TX	Lavaca . . . . .	433	883	419	865	TX	Sterling . . . . .	426	896	506	882
TX	Lee . . . . .	425	884	403	870	TX	Stonewall . . . . .	428	873	415	858
TX	Leon . . . . .	501	797	489	772	TX	Sutton . . . . .	426	705	413	684
TX	Liberty . . . . .	408	687	405	676	TX	Swisher . . . . .	405	684	404	675
TX	Limestone . . . . .	462	744	451	724	TX	Tarrant . . . . .	434	713	432	705
TX	Lipscomb . . . . .	469	752	457	731	TX	Taylor . . . . .	428	707	415	686
TX	Live Oak . . . . .	437	716	424	695	TX	Terrell . . . . .	492	891	500	876
TX	Llano . . . . .	425	704	403	674	TX	Terry . . . . .	514	875	499	860
TX	Loving . . . . .	415	694	398	669	TX	Throckmorton . . . . .	420	785	402	762
TX	Lubbock . . . . .	406	685	392	664	TX	Titus . . . . .	465	748	454	728
TX	Lynn . . . . .	406	685	392	664	TX	Tom Green . . . . .	426	705	413	684
TX	Madison . . . . .	501	797	489	772	TX	Travis . . . . .	425	704	403	674
TX	Marion . . . . .	485	776	441	754	TX	Trinity . . . . .	449	730	439	712
TX	Martin . . . . .	492	786	481	763	TX	Tyler . . . . .	413	863	426	789
TX	Mason . . . . .	506	804	493	781	TX	Upshur . . . . .	454	735	441	714

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
TX	Upton	492	786	481	763	VA	Carroll	73	81	53	54
TX	Uvalde	536	919	522	898	VA	Charles City	33	36	23	23
TX	Val Verde	516	899	509	885	VA	Charlotte	33	205	97	190
TX	Van Zandt	441	721	418	689	VA	Chesapeake City	6	7	45	45
TX	Victoria	433	712	419	690	VA	Chesterfield	33	36	23	23
TX	Walker	449	825	405	676	VA	Clarke	25	28	19	19
TX	Waller	408	687	405	676	VA	Craig	14	16	11	11
TX	Ward	444	725	434	707	VA	Cuiper	99	121	76	99
TX	Washington	464	746	453	808	VA	Cumberland	33	205	97	190
TX	Webb	538	921	526	902	VA	Dickenson	55	61	40	40
TX	Wharton	505	803	405	780	VA	Dinwiddie	77	87	23	23
TX	Wheeler	460	742	449	809	VA	Essex	33	36	23	23
TX	Wichita	420	699	402	673	VA	Fairfax	69	76	16	16
TX	Wilbarger	458	739	445	718	VA	Fauquier	109	136	16	174
TX	Willacy	520	903	514	890	VA	Floyd	14	16	11	11
TX	Williamson	425	704	403	674	VA	Fluvanna	99	121	76	98
TX	Wilson	410	689	395	667	VA	Franklin	14	16	11	11
TX	Winkler	444	872	434	857	VA	Frederick	25	28	19	19
TX	Wise	495	881	432	828	VA	Giles	70	77	49	50
TX	Wood	441	721	431	703	VA	Gloucester	5	6	45	45
TX	Yoakum	514	876	499	861	VA	Goochland	33	36	23	23
TX	Young	420	785	402	762	VA	Grayson	73	81	53	54
TX	Zapata	538	921	526	902	VA	Greene	99	121	76	98
TX	Zavala	410	689	395	667	VA	Greensville	130	232	120	213
UT	Beaver	755	1272	739	1252	VA	Halifax	71	79	51	52
UT	Box Elder	744	1317	694	1270	VA	Hampton City	5	6	45	45
UT	Cache	715	1228	701	1209	VA	Hanover	33	36	23	23
UT	Carbon	809	1410	797	1396	VA	Henrico	33	36	23	23
UT	Daggett	799	1400	788	1387	VA	Henry	79	90	55	58
UT	Davis	744	1260	694	1202	VA	Highland	97	117	73	91
UT	Duchesne	708	1259	694	1240	VA	Isle Of Wight	6	135	45	45
UT	Emery	809	1410	797	1396	VA	James City	5	214	45	45
UT	Garfield	707	1290	693	1267	VA	King And Queen	33	36	23	23
UT	Grand	711	1297	697	1283	VA	King George	135	237	16	16
UT	Iron	755	1272	739	1252	VA	King William	33	36	23	23
UT	Juab	703	1216	689	1197	VA	Lancaster	33	158	23	147
UT	Kane	707	1290	693	1267	VA	Lee	118	220	112	205
UT	Millard	703	1370	689	1356	VA	Loudoun	69	211	16	16
UT	Morgan	744	1260	694	1202	VA	Louisa	99	121	76	98
UT	Plute	707	1290	693	1267	VA	Lunenburg	71	79	51	52
UT	Rich	744	1260	694	1202	VA	Madison	99	121	76	98
UT	Salt Lake	708	1221	694	1202	VA	Mathews	5	6	45	45
UT	San Juan	740	1255	726	1236	VA	Mecklenburg	71	79	51	52
UT	Sanpete	703	1216	689	1197	VA	Middlesex	33	158	23	147
UT	Sevier	703	1216	689	1197	VA	Montgomery	70	77	49	50
UT	Summit	708	1221	694	1202	VA	Nansemond	6	135	45	45
UT	Tooele	708	1221	694	1202	VA	Nelson	99	121	76	98
UT	Uintah	708	1259	694	1240	VA	New Kent	33	36	23	23
UT	Utah	703	1216	689	1197	VA	Newport News	5	6	45	45
UT	Wasatch	708	1325	694	1340	VA	Norfolk/Portsmouth	6	7	45	45
UT	Washington	707	1220	693	1201	VA	Northampton	137	239	129	222
UT	Wayne	703	1216	689	1197	VA	Northumberland	33	158	23	147
UT	Weber	744	1260	694	1202	VA	Nottoway	33	36	23	23
VA	Accomack	137	239	129	222	VA	Orange	99	121	76	98
VA	Albemarle	99	121	76	98	VA	Page	63	70	46	47
VA	Alexandria City	69	76	16	16	VA	Patrick	79	90	55	58
VA	Alleghany	30	33	24	24	VA	Pittsylvania	132	234	126	219
VA	Amelia	33	36	23	23	VA	Powhatan	33	36	23	23
VA	Amherst	14	82	11	55	VA	Prince Edward	33	205	97	190
VA	Appomattox	14	82	11	55	VA	Prince George	77	87	23	23
VA	Arlington	69	76	16	16	VA	Prince William	109	136	16	16
VA	Augusta	97	117	73	91	VA	Pulaski	70	130	82	122
VA	Bath	30	33	24	24	VA	Rappahannock	99	121	76	99
VA	Bedford	14	82	11	55	VA	Richmond	33	36	23	23
VA	Bland	39	42	31	31	VA	Roanoke	14	16	11	11
VA	Botetcourt	14	16	11	11	VA	Rockbridge	97	117	73	92
VA	Brunswick	130	232	120	213	VA	Rockingham	63	70	46	47
VA	Buchanan	39	173	31	162	VA	Russell	151	174	179	124
VA	Buckingham	99	121	76	98	VA	Scott	151	253	179	273
VA	Campbell	14	82	11	55	VA	Shenandoah	25	28	19	133
VA	Caroline	135	237	16	16	VA	Smyth	151	204	179	176
						VA	Southampton	6	135	45	45
						VA	Spotsylvania	135	237	16	16

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions—Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
VA	Stafford	135	237	16	16	WI	Burnett	314	511	297	489
VA	Surry	77	87	23	23	WI	Calumet	355	550	291	490
VA	Sussex	77	87	23	23	WI	Chippewa	298	495	273	466
VA	Tazewell	39	42	31	31	WI	Clark	282	480	263	455
VA	Virginia Beach	6	7	45	45	WI	Columbia	301	498	286	544
VA	Warren	134	236	127	220	WI	Crawford	350	614	327	609
VA	Washington	151	253	179	273	WI	Dane	301	498	286	479
VA	Westmoreland	33	36	16	16	WI	Dodge	306	503	354	561
VA	Wise	55	61	40	40	WI	Door	278	609	260	607
VA	Wythe	70	130	82	123	WI	Douglas	289	486	267	460
VA	York	5	6	45	45	WI	Dunn	298	495	273	466
						WI	Eau Claire	298	495	273	466
VT	Addison	49	53	34	34	WI	Florence	315	513	299	493
VT	Bennington	10	141	88	159	WI	Fond Du Lac	306	503	291	484
VT	Caledonia	103	126	78	105	WI	Forest	284	482	265	457
VT	Chittenden	49	53	34	34	WI	Grant	301	567	342	536
VT	Essex	138	240	130	223	WI	Green	326	523	309	502
VT	Franklin	49	53	34	34	WI	Green Lake	306	503	291	484
VT	Grand Isle	49	53	34	34	WI	Iowa	301	498	286	479
VT	Lamoille	103	126	78	106	WI	Iron	284	659	366	641
VT	Orange	15	17	14	14	WI	Jackson	399	678	389	661
VT	Orleans	103	192	78	181	WI	Jefferson	387	596	362	592
VT	Rutland	122	224	88	160	WI	Juneau	391	653	364	636
VT	Washington	15	190	14	178	WI	Kenosha	382	587	356	570
VT	Windham	90	105	67	78	WI	Kewaunee	278	476	260	452
VT	Windsor	15	17	14	14	WI	LaCrosse	290	487	268	461
						WI	Lafayette	326	523	309	502
WA	Adams	747	1382	761	1322	WI	Langlade	379	583	353	558
WA	Asotin	694	1206	681	1188	WI	Lincoln	282	588	357	573
WA	Benton	702	1215	761	1321	WI	Manitowoc	355	550	384	658
WA	Chelan	747	1263	732	1243	WI	Marathon	282	588	357	572
WA	Clallam	785	1374	769	1360	WI	Marquette	315	513	299	493
WA	Clark	689	1333	695	1203	WI	Marquette	301	498	286	544
WA	Columbia	717	1230	703	1211	WI	Menominee	379	583	353	559
WA	Cowlitz	689	1253	695	1300	WI	Milwaukee	280	478	354	560
WA	Douglas	747	1263	732	1243	WI	Monroe	290	487	268	461
WA	Ferry	698	1274	685	1254	WI	Oconto	278	476	260	452
WA	Franklin	702	1215	761	1321	WI	Oneida	284	482	265	457
WA	Garfield	694	1206	681	1188	WI	Outagamie	344	540	291	490
WA	Grant	747	1263	732	1243	WI	Ozaukee	280	478	354	560
WA	Grays Harbor	758	1352	741	1342	WI	Pepin	298	637	273	586
WA	Island	736	1250	714	1223	WI	Pierce	370	573	350	552
WA	Jefferson	785	1375	769	1361	WI	Polk	286	561	297	600
WA	King	736	1250	714	1223	WI	Portage	400	679	390	662
WA	Kitsap	762	1282	745	1261	WI	Price	357	608	331	606
WA	Kititas	739	1254	725	1235	WI	Racine	382	587	356	571
WA	Klickitat	748	1264	733	1244	WI	Richland	301	567	342	536
WA	Lewis	758	1276	741	1255	WI	Rock	326	665	309	644
WA	Lincoln	698	1211	685	1193	WI	Rusk	374	578	348	546
WA	Mason	762	1282	745	1261	WI	Sauk	301	498	286	544
WA	Okanogan	747	1324	732	1313	WI	Sawyer	357	553	331	523
WA	Pacific	758	1319	741	1308	WI	Shawano	379	583	353	559
WA	Pend Oreille	698	1211	685	1193	WI	Sheboygan	355	671	383	657
WA	Pierce	794	1395	783	1382	WI	St. Croix	370	573	275	468
WA	San Juan	736	1250	714	1223	WI	Taylor	282	480	263	455
WA	Skagit	736	1250	714	1223	WI	Trempealeau	290	629	268	619
WA	Skamania	748	1264	733	1244	WI	Vernon	290	487	268	461
WA	Spohomish	736	1250	714	1223	WI	Vilas	284	482	265	457
WA	Spokane	698	1211	685	1193	WI	Walworth	387	597	362	593
WA	Stevens	698	1274	685	1254	WI	Washburn	314	511	297	489
WA	Thurston	758	1276	741	1255	WI	Washington	280	478	354	560
WA	Wahkiakum	689	1253	695	1300	WI	Waukesha	280	478	354	560
WA	Walla Walla	717	1230	703	1211	WI	Waupaca	344	540	291	490
WA	Whatcom	815	1416	802	1401	WI	Waushara	306	565	291	574
WA	Whitman	784	1372	768	1358	WI	Winnebago	306	565	291	490
WA	Yakima	739	1254	725	1235	WI	Wood	282	480	263	455
WI	Adams	391	652	364	635	WV	Barbour	50	54	35	35
WI	Ashland	357	553	331	523	WV	Berkeley	25	106	68	79
WI	Barron	374	578	348	545	WV	Boone	7	8	50	51
WI	Bayfield	357	553	331	523	WV	Braxton	92	109	70	119
WI	Brown	278	476	260	452	WV	Brooke	24	26	57	83
WI	Buffalo	298	495	273	466	WV	Cabell	46	50	3	3

Table I. Alphabetical list of State, county, and health service area numbers for four alternative solutions – Con.

State	County	Service area number				State	County	Service area number			
		800 unlinked	1400 unlinked	800 linked	1400 linked			800 unlinked	1400 unlinked	800 linked	1400 linked
WV	Calhoun . . . . .	34	118	43	43	WV	Roane . . . . .	34	118	43	131
WV	Clay . . . . .	7	8	50	51	WV	Summers . . . . .	60	194	42	183
WV	Doddridge . . . . .	92	109	70	84	WV	Taylor . . . . .	31	197	94	187
WV	Fayette . . . . .	60	66	42	42	WV	Tucker . . . . .	50	54	35	35
WV	Gilmer . . . . .	92	109	43	43	WV	Tyler . . . . .	24	46	32	32
WV	Grant . . . . .	1	146	48	143	WV	Upshur . . . . .	92	196	93	186
WV	Greenbrier . . . . .	30	154	24	146	WV	Wayne . . . . .	46	50	3	3
WV	Hampshire . . . . .	25	28	19	19	WV	Webster . . . . .	7	134	50	142
WV	Hancock . . . . .	380	584	57	83	WV	Wetzel . . . . .	24	46	32	32
WV	Hardy . . . . .	1	146	48	143	WV	Wirt . . . . .	34	37	43	43
WV	Harrison . . . . .	92	109	70	84	WV	Wood . . . . .	34	37	43	43
WV	Jackson . . . . .	34	156	43	154	WV	Wyoming . . . . .	60	66	42	42
WV	Jefferson . . . . .	25	106	68	80	WY	Albany . . . . .	771	1295	752	1281
WV	Kanawha . . . . .	7	8	50	51	WY	Big Horn . . . . .	749	1266	734	1246
WV	Lewis . . . . .	92	109	70	85	WY	Campbell . . . . .	586	1348	571	1335
WV	Lincoln . . . . .	46	50	3	3	WY	Carbon . . . . .	771	1296	752	1282
WV	Logan . . . . .	13	165	10	153	WY	Converse . . . . .	726	1239	712	1221
WV	Marion . . . . .	31	34	25	111	WY	Crook . . . . .	586	972	571	948
WV	Marshall . . . . .	24	142	57	60	WY	Fremont . . . . .	777	1351	759	1341
WV	Mason . . . . .	283	481	264	456	WY	Goshen . . . . .	580	1300	566	1287
WV	McDowell . . . . .	39	42	31	31	WY	Hot Springs . . . . .	777	1322	759	1311
WV	Mercer . . . . .	39	42	31	31	WY	Johnson . . . . .	770	1291	751	1274
WV	Mineral . . . . .	1	1	48	49	WY	Laramie . . . . .	741	1256	727	1237
WV	Mingo . . . . .	13	14	10	9	WY	Lincoln . . . . .	775	1314	757	1304
WV	Monongalia . . . . .	31	34	25	25	WY	Natrona . . . . .	726	1239	712	1221
WV	Monroe . . . . .	30	154	24	146	WY	Niobrara . . . . .	580	1301	566	1288
WV	Morgan . . . . .	25	188	19	175	WY	Park . . . . .	749	1266	734	1246
WV	Nicholas . . . . .	7	134	50	51	WY	Platte . . . . .	797	1398	786	1385
WV	Ohio . . . . .	24	26	57	60	WY	Sheridan . . . . .	770	1291	751	1275
WV	Pendleton . . . . .	63	70	46	47	WY	Sublette . . . . .	775	1315	757	1305
WV	Pleasants . . . . .	34	37	43	43	WY	Sweetwater . . . . .	799	1400	788	1387
WV	Pocahontas . . . . .	50	164	35	151	WY	Teton . . . . .	775	1315	757	1305
WV	Preston . . . . .	31	34	25	25	WY	Uinta . . . . .	792	1393	792	1391
WV	Putnam . . . . .	7	8	50	51	WY	Washakie . . . . .	777	1323	759	1312
WV	Raleigh . . . . .	60	66	42	42	WY	Weston . . . . .	804	1405	791	1390
WV	Randolph . . . . .	50	54	35	35						
WV	Ritchie . . . . .	34	37	43	43						

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
150	AL	Jefferson . . . . .	252	5.2	2.7	421	AR	Sebastian . . . . .	700	7.3	3.9
150	AL	Shelby . . . . .	252	5.2	4.6	421	OK	Le Flore . . . . .	700	7.3	9.5
150	AL	St. Clair . . . . .	252	5.2	15.1	421	AR	Crawford . . . . .	700	7.3	3.4
150	AL	Chilton . . . . .	252	5.2	19.8	421	AR	Logan . . . . .	700	7.3	9.4
150	AL	Bibb . . . . .	395	5.2	29.0	421	AR	Franklin . . . . .	700	7.3	6.2
150	AL	Blount . . . . .	396	5.2	6.7	421	OK	Sequoyah . . . . .	845	7.3	10.8
150	AL	Cullman . . . . .	397	5.2	11.6	421	OK	Haskell . . . . .	866	7.3	20.4
150	AL	Walker . . . . .	441	5.2	4.2	421	AR	Scott . . . . .	887	7.3	5.9
156	AL	Tuscaloosa . . . . .	258	11.4	6.7	432	AR	Pulaski . . . . .	711	8.2	4.1
156	AL	Hale . . . . .	258	11.4	20.8	432	AR	Saline . . . . .	711	8.2	4.4
156	AL	Greene . . . . .	258	11.4	19.5	432	AR	Faulkner . . . . .	711	8.2	4.0
156	AL	Pickens . . . . .	391	11.4	21.1	432	AR	Lonoke . . . . .	711	8.2	13.7
161	AL	Mobile . . . . .	264	7.0	4.1	432	AR	Van Buren . . . . .	711	8.2	20.2
161	AL	Clarke . . . . .	264	7.0	10.7	432	AR	Grant . . . . .	711	8.2	45.3
161	AL	Washington . . . . .	264	7.0	15.4	432	AR	Prairie . . . . .	711	8.2	60.9
161	AL	Baldwin . . . . .	409	7.0	12.1	432	AR	Perry . . . . .	711	8.2	20.3
161	AL	Monroe . . . . .	449	7.0	11.3	432	AR	Conway . . . . .	849	8.2	5.6
162	AL	Houston . . . . .	265	9.9	5.7	442	AR	Pope . . . . .	722	22.1	20.8
162	AL	Dale . . . . .	265	9.9	5.2	442	AR	Yell . . . . .	722	22.1	24.3
162	AL	Coffee . . . . .	265	9.9	15.0	446	AR	Washington . . . . .	727	11.2	6.8
162	AL	Geneva . . . . .	265	9.9	10.6	446	AR	Madison . . . . .	727	11.2	8.3
162	AL	Henry . . . . .	265	9.9	4.6	446	AR	Benton . . . . .	802	11.2	8.9
162	AL	Barbour . . . . .	411	9.9	17.4	446	OK	Delaware . . . . .	802	11.2	26.9
162	GA	Quitman . . . . .	411	9.9	39.3	448	AR	Garland . . . . .	729	16.4	8.6
171	AL	Montgomery . . . . .	274	13.7	7.5	448	AR	Clark . . . . .	729	16.4	27.1
171	AL	Autauga . . . . .	274	13.7	18.8	448	AR	Pike . . . . .	729	16.4	27.8
171	AL	Pike . . . . .	274	13.7	15.2	448	AR	Montgomery . . . . .	729	16.4	15.6
171	AL	Lowndes . . . . .	274	13.7	28.8	448	AR	Hot Spring . . . . .	862	16.4	27.3
171	AL	Bullock . . . . .	274	13.7	19.3	457	AR	White . . . . .	738	20.5	13.0
171	AL	Covington . . . . .	360	13.7	20.6	457	AR	Cleburne . . . . .	738	20.5	35.6
171	AL	Crenshaw . . . . .	360	13.7	19.8	457	AR	Woodruff . . . . .	738	20.5	25.4
175	AL	Dallas . . . . .	278	22.5	11.1	473	AR	Jefferson . . . . .	757	17.1	12.8
175	AL	Perry . . . . .	278	22.5	28.9	473	AR	Drew . . . . .	757	17.1	17.2
175	AL	Wilcox . . . . .	278	22.5	36.3	473	AR	Lincoln . . . . .	757	17.1	15.4
175	AL	Marengo . . . . .	404	22.5	35.7	473	AR	Bradley . . . . .	757	17.1	13.2
177	AL	Calhoun . . . . .	280	18.3	15.7	473	AR	Cleveland . . . . .	757	17.1	36.8
177	AL	Cleburne . . . . .	280	18.3	13.7	473	AR	Desha . . . . .	858	17.1	30.0
177	GA	Carroll . . . . .	299	18.3	21.4	480	AR	Ashley . . . . .	766	37.8	43.6
177	GA	Haralson . . . . .	299	18.3	22.9	480	AR	Chicot . . . . .	766	37.8	29.9
179	AL	Lee . . . . .	282	27.9	20.2	486	AR	Union . . . . .	777	22.1	15.2
179	AL	Elmore . . . . .	282	27.9	44.4	486	AR	Columbia . . . . .	777	22.1	27.4
179	AL	Tallapoosa . . . . .	282	27.9	16.1	486	AR	Calhoun . . . . .	777	22.1	62.1
179	AL	Macon . . . . .	282	27.9	30.8	494	AR	Boone . . . . .	788	22.8	17.6
185	AL	Morgan . . . . .	288	18.2	16.9	494	AR	Carroll . . . . .	788	22.8	22.1
185	AL	Lawrence . . . . .	288	18.2	22.5	494	AR	Searcy . . . . .	788	22.8	49.7
210	AL	Madison . . . . .	320	13.6	7.0	494	AR	Newton . . . . .	788	22.8	20.5
210	AL	Limestone . . . . .	320	13.6	19.1	496	AR	Ouachita . . . . .	791	35.6	31.1
210	TN	Lincoln . . . . .	320	13.6	18.5	496	AR	Dallas . . . . .	791	35.6	47.2
210	AL	Jackson . . . . .	445	13.6	21.8	499	AR	Crittenden . . . . .	794	36.6	28.2
219	AL	Lauderdale . . . . .	332	13.4	8.9	499	AR	St. Francis . . . . .	794	36.6	38.0
219	AL	Colbert . . . . .	332	13.4	8.9	499	AR	Cross . . . . .	794	36.6	32.3
219	AL	Franklin . . . . .	347	13.4	10.5	499	AR	Lee . . . . .	794	36.6	64.2
219	AL	Winston . . . . .	347	13.4	45.1	521	AR	Jackson . . . . .	904	26.9	26.9
224	AL	Etowah . . . . .	338	21.8	15.1	522	AR	Johnson . . . . .	905	30.7	30.7
224	AL	Cherokee . . . . .	338	21.8	26.3	527	AR	Arkansas . . . . .	910	38.0	26.5
224	AL	Marshall . . . . .	366	21.8	30.4	527	AR	Monroe . . . . .	910	38.0	62.0
224	AL	De Kalb . . . . .	366	21.8	22.7	534	AR	Polk . . . . .	917	46.8	46.8
241	AL	Talladega . . . . .	372	33.0	31.2	537	AR	Phillips . . . . .	920	30.4	30.4
241	AL	Clay . . . . .	372	33.0	28.4	571	AR	Craighead . . . . .	723	17.9	6.9
241	AL	Coosa . . . . .	372	33.0	56.2	571	AR	Poinsett . . . . .	723	17.9	39.7
247	AL	Marion . . . . .	379	37.3	38.7	571	AR	Lawrence . . . . .	723	17.9	14.3
247	AL	Fayette . . . . .	379	37.3	34.9	571	AR	Randolph . . . . .	723	17.9	10.8
259	AL	Butter . . . . .	458	25.8	25.8	571	MO	Dunklin . . . . .	982	17.9	38.2
407	AR	Baxter . . . . .	686	20.8	19.2						
407	AR	Marion . . . . .	686	20.8	27.2						



**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
571	AR	Greene . . . . .	982	17.9	6.4	768	CA	San Bernardino . . . . .	1288	13.2	13.2
571	AR	Clay . . . . .	982	17.9	11.4	768	CA	Riverside . . . . .	1288	13.2	13.2
574	AR	Stone . . . . .	854	24.0	17.2	774	CA	Imperial . . . . .	1309	6.3	18.3
574	AR	Independence . . . . .	958	24.0	25.4	774	CA	San Diego . . . . .	1310	6.3	5.6
574	AR	Sharp . . . . .	958	24.0	24.0	780	CA	Lassen . . . . .	1342	43.3	46.7
574	AR	Izard . . . . .	958	24.0	21.3	780	CA	Plumas . . . . .	1343	43.3	40.2
574	MO	Howell . . . . .	977	24.0	25.2	781	CA	San Luis Obispo . . . . .	1355	9.1	10.6
574	AR	Fulton . . . . .	977	24.0	22.1	781	CA	Santa Barbara . . . . .	1356	9.1	8.0
574	MO	Oregon . . . . .	977	24.0	19.9	789	CA	Tulare . . . . .	1390	14.3	14.3
574	MO	Shannon . . . . .	977	24.0	43.1	790	CA	Ventura . . . . .	1391	16.4	16.4
614	AR	Mississippi . . . . .	1010	35.9	33.3	800	CA	Humboldt . . . . .	1401	7.5	7.5
614	MO	Pemiscot . . . . .	1010	35.9	41.8	802	CA	Santa Cruz . . . . .	1403	13.7	13.7
699	AZ	Maricopa . . . . .	1212	7.5	6.5	807	CA	Kern . . . . .	1408	15.2	15.2
699	AZ	Pinal . . . . .	1212	7.5	18.1	811	CA	Mendocino . . . . .	1412	17.7	17.7
699	AZ	Gila . . . . .	1212	7.5	10.1	816	CA	Inyo . . . . .	1419	30.0	25.5
699	AZ	Yavapai . . . . .	1241	7.5	6.7	816	CA	Mono . . . . .	1419	30.0	63.5
699	AZ	Coconino . . . . .	1241	7.5	14.5	688	CO	Denver . . . . .	1200	5.2	3.5
700	AZ	Pima . . . . .	1213	6.8	6.3	688	CO	Jefferson . . . . .	1200	5.2	5.3
700	AZ	Cochise . . . . .	1213	6.8	7.2	688	CO	Arapahoe . . . . .	1200	5.2	6.9
700	AZ	Santa Cruz . . . . .	1213	6.8	5.2	688	CO	Adams . . . . .	1200	5.2	5.9
700	AZ	Graham . . . . .	1327	6.8	16.9	688	CO	Douglas . . . . .	1200	5.2	11.8
700	AZ	Greenlee . . . . .	1327	6.8	29.8	688	CO	Summit . . . . .	1200	5.2	24.4
787	AZ	Yuma . . . . .	1388	24.3	24.3	688	CO	Elbert . . . . .	1200	5.2	40.6
803	AZ	Mohave . . . . .	1404	27.0	27.0	688	CO	Grand . . . . .	1200	5.2	24.8
690	CA	Sutter . . . . .	1202	18.8	17.7	688	CO	Clear Creek . . . . .	1200	5.2	8.3
690	CA	Yuba . . . . .	1202	18.8	12.9	688	CO	Park . . . . .	1200	5.2	44.9
690	CA	Colusa . . . . .	1367	18.8	36.9	688	CO	Gilpin . . . . .	1200	5.2	15.8
697	CA	Butte . . . . .	1210	11.2	11.2	704	CO	Pueblo . . . . .	1217	10.6	7.4
697	CA	Glenn . . . . .	1210	11.2	9.1	704	CO	Huerfano . . . . .	1217	10.6	9.1
697	CA	Tehama . . . . .	1350	11.2	12.6	704	CO	Las Animas . . . . .	1308	10.6	13.5
709	CA	Sacramento . . . . .	1222	7.8	6.8	704	NM	Colfax . . . . .	1376	10.6	25.5
709	CA	Placer . . . . .	1222	7.8	10.6	711	CO	Mesa . . . . .	1224	9.8	7.0
709	CA	Yolo . . . . .	1222	7.8	7.0	711	CO	Garfield . . . . .	1224	9.8	10.0
709	CA	El Dorado . . . . .	1334	7.8	11.7	711	CO	Eagle . . . . .	1224	9.8	30.1
710	CA	Shasta . . . . .	1223	15.0	12.3	711	CO	Rio Blanco . . . . .	1224	9.8	17.3
710	CA	Trinity . . . . .	1223	15.0	23.6	711	UT	Grand . . . . .	1297	9.8	24.8
710	CA	Modoc . . . . .	1361	15.0	34.1	711	CO	Pitkin . . . . .	1339	9.8	24.6
718	CA	Fresno . . . . .	1231	7.7	6.0	731	CO	Alamosa . . . . .	1245	25.5	24.9
718	CA	Madera . . . . .	1231	7.7	14.9	731	CO	Conejos . . . . .	1245	25.5	22.2
718	CA	Kings . . . . .	1329	7.7	10.9	731	CO	Costilla . . . . .	1245	25.5	32.1
723	CA	Los Angeles . . . . .	1236	4.1	3.9	731	CO	Rio Grande . . . . .	1338	25.5	17.6
723	CA	Orange . . . . .	1379	4.1	4.9	731	CO	Saguache . . . . .	1338	25.5	49.3
737	CA	Merced . . . . .	1251	9.1	8.4	731	CO	Mineral . . . . .	1338	25.5	33.3
737	CA	Mariposa . . . . .	1251	9.1	20.2	735	CO	Routt . . . . .	1249	30.4	26.9
737	CA	Stanislaus . . . . .	1312	9.1	7.2	735	CO	Moffat . . . . .	1249	30.4	33.5
737	CA	Tuolumne . . . . .	1368	9.1	17.1	745	CO	Otero . . . . .	1261	30.3	23.1
746	CA	Solano . . . . .	1262	19.9	19.7	745	CO	Bent . . . . .	1261	30.3	27.5
746	CA	Napa . . . . .	1262	19.9	17.4	745	CO	Crowley . . . . .	1261	30.3	39.1
746	CA	Lake . . . . .	1362	19.9	24.0	745	CO	Kiowa . . . . .	1261	30.3	60.7
750	CA	San Joaquin . . . . .	1267	14.5	11.6	745	CO	Prowers . . . . .	1378	30.3	38.2
750	CA	Calaveras . . . . .	1267	14.5	31.1	754	CO	El Paso . . . . .	1271	11.4	7.8
750	CA	Amador . . . . .	1335	14.5	30.0	754	CO	Teller . . . . .	1271	11.4	15.7
751	CA	Santa Clara . . . . .	1268	9.0	9.5	754	CO	Lincoln . . . . .	1271	11.4	42.9
751	CA	San Benito . . . . .	1268	9.0	13.4	754	CO	Kit Carson . . . . .	1346	11.4	44.9
751	CA	Monterey . . . . .	1385	9.0	7.2	754	CO	Cheyenne . . . . .	1381	11.4	41.9
753	CA	Nevada . . . . .	1270	25.4	23.0	760	CO	Weld . . . . .	1279	19.3	20.1
753	CA	Sierra . . . . .	1270	25.4	65.1	760	CO	Morgan . . . . .	1279	19.3	13.6
757	CA	San Francisco . . . . .	1275	10.1	6.4	760	CO	Washington . . . . .	1294	19.3	23.9
757	CA	San Mateo . . . . .	1275	10.1	15.9	760	CO	Yuma . . . . .	1349	19.3	21.2
764	CA	Sonoma . . . . .	1284	11.5	9.0	761	CO	Montrose . . . . .	1280	20.4	18.2
764	CA	Marin . . . . .	1284	11.5	16.8	761	CO	Gunnison . . . . .	1280	20.4	36.7
766	CA	Alameda . . . . .	1286	7.8	7.3	761	CO	San Miguel . . . . .	1280	20.4	33.3
766	CA	Contra Costa . . . . .	1286	7.8	8.6	761	CO	Ouray . . . . .	1280	20.4	17.6

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
761	CO	Hinsdale . . . . .	1280	20.4	50.0	165	FL	Hendry . . . . .	268	15.6	20.5
761	CO	Delta . . . . .	1377	20.4	19.4	165	FL	Glades . . . . .	268	15.6	42.1
763	CO	Logan . . . . .	1283	27.4	26.8	165	FL	Collier . . . . .	418	15.6	18.9
763	CO	Phillips . . . . .	1283	27.4	25.8	183	FL	Leon . . . . .	286	15.6	7.6
763	CO	Sedgwick . . . . .	1328	27.4	31.5	183	FL	Gadsden . . . . .	286	15.6	12.1
786	CO	Chaffee . . . . .	1383	29.3	34.1	183	FL	Taylor . . . . .	286	15.6	15.4
786	CO	Lake . . . . .	1384	29.3	21.4	183	FL	Wakulla . . . . .	286	15.6	10.9
795	CO	Boulder . . . . .	1396	23.0	23.0	183	FL	Jefferson . . . . .	286	15.6	50.4
796	CO	Larimer . . . . .	1397	14.1	14.1	183	FL	Franklin . . . . .	286	15.6	28.0
812	CO	Fremont . . . . .	1413	27.0	26.4	183	FL	Liberty . . . . .	286	15.6	47.7
812	CO	Custer . . . . .	1413	27.0	47.5	183	FL	Madison . . . . .	419	15.6	25.4
4	CT	Hartford . . . . .	5	8.7	7.5	200	FL	Dade . . . . .	310	8.5	4.6
4	CT	Tolland . . . . .	5	8.7	7.7	200	FL	Monroe . . . . .	310	8.5	14.0
4	CT	Windham . . . . .	5	8.7	18.4	200	FL	Broward . . . . .	432	8.5	12.6
85	CT	New Haven . . . . .	97	10.6	8.0	202	FL	Polk . . . . .	312	14.3	13.4
85	CT	Litchfield . . . . .	97	10.6	18.3	202	FL	Highlands . . . . .	312	14.3	16.9
85	CT	Middlesex . . . . .	180	10.6	14.6	202	FL	Hardee . . . . .	312	14.3	17.4
121	CT	Fairfield . . . . .	223	11.4	11.4	213	FL	Sarasota . . . . .	323	19.7	20.8
3	MD	Wicomico . . . . .	4	8.3	5.8	213	FL	Charlotte . . . . .	323	19.7	17.3
3	MD	Worcester . . . . .	4	8.3	12.0	213	FL	De Soto . . . . .	323	19.7	16.8
3	MD	Somerset . . . . .	4	8.3	5.5	221	FL	St. Lucie . . . . .	335	17.4	17.3
3	DE	Sussex . . . . .	57	8.3	8.5	221	FL	Martin . . . . .	335	17.4	17.0
3	DE	Kent . . . . .	57	8.3	9.3	221	FL	Palm Beach . . . . .	376	17.4	17.6
75	MD	Harford . . . . .	85	13.6	26.8	221	FL	Okeechobee . . . . .	376	17.4	13.0
75	MD	Cecil . . . . .	85	13.6	11.1	227	FL	Pasco . . . . .	343	8.8	10.7
75	DE	New Castle . . . . .	168	13.6	8.9	227	FL	Hernando . . . . .	343	8.8	10.1
142	FL	Orange . . . . .	244	10.8	8.3	227	FL	Pinellas . . . . .	413	8.8	8.1
142	FL	Seminole . . . . .	244	10.8	7.1	227	FL	Hillsborough . . . . .	452	8.8	8.2
142	FL	Volusia . . . . .	263	10.8	8.8	233	FL	Marion . . . . .	355	19.1	19.1
142	FL	Flagler . . . . .	263	10.8	21.5	233	FL	Citrus . . . . .	355	19.1	19.1
142	FL	Lake . . . . .	464	10.8	15.8	237	FL	Brevard . . . . .	364	12.6	11.9
142	FL	Sumter . . . . .	464	10.8	48.3	237	FL	Indian River . . . . .	364	12.6	14.2
155	FL	Bay . . . . .	257	20.6	9.5	251	FL	Putnam . . . . .	420	31.8	33.5
155	FL	Gulf . . . . .	257	20.6	7.8	251	FL	St. Johns . . . . .	421	31.8	30.2
155	FL	Washington . . . . .	325	20.6	20.0	257	FL	Osceola . . . . .	456	15.3	15.3
155	FL	Holmes . . . . .	325	20.6	43.3	266	FL	Manatee . . . . .	465	17.0	17.0
155	FL	Jackson . . . . .	356	20.6	30.7	143	GA	Chatham . . . . .	245	9.4	4.5
155	FL	Calhoun . . . . .	356	20.6	29.8	143	GA	Liberty . . . . .	245	9.4	9.9
158	FL	Duval . . . . .	260	7.3	5.3	143	GA	Effingham . . . . .	245	9.4	3.2
158	FL	Clay . . . . .	260	7.3	17.0	143	GA	Tattnall . . . . .	245	9.4	24.0
158	FL	Nassau . . . . .	260	7.3	6.0	143	GA	Bryan . . . . .	245	9.4	18.3
158	FL	Baker . . . . .	260	7.3	13.1	143	GA	Long . . . . .	245	9.4	44.6
158	GA	Glynn . . . . .	305	7.3	7.1	143	SC	Beaufort . . . . .	354	9.4	15.6
158	GA	Camden . . . . .	305	7.3	5.2	143	SC	Jasper . . . . .	354	9.4	9.1
158	GA	Brantley . . . . .	305	7.3	38.9	143	GA	Evans . . . . .	381	9.4	26.0
158	GA	McIntosh . . . . .	305	7.3	23.7	144	GA	Dougherty . . . . .	246	14.8	7.2
158	GA	Charlton . . . . .	383	7.3	9.9	144	GA	Worth . . . . .	246	14.8	19.2
159	FL	Alachua . . . . .	261	12.7	8.1	144	GA	Lee . . . . .	246	14.8	20.1
159	FL	Levy . . . . .	261	12.7	25.9	144	GA	Terrell . . . . .	246	14.8	11.0
159	FL	Bradford . . . . .	261	12.7	19.8	144	GA	Baker . . . . .	246	14.8	19.1
159	FL	Union . . . . .	261	12.7	6.3	144	GA	Early . . . . .	342	14.8	34.4
159	FL	Dixie . . . . .	261	12.7	21.2	144	GA	Calhoun . . . . .	342	14.8	4.1
159	FL	Gilchrist . . . . .	261	12.7	8.4	144	GA	Clay . . . . .	342	14.8	39.8
159	FL	Lafayette . . . . .	261	12.7	33.0	144	GA	Randolph . . . . .	410	14.8	19.2
159	FL	Columbia . . . . .	302	12.7	7.2	145	GA	Whitfield . . . . .	247	12.6	13.0
159	FL	Suwannee . . . . .	302	12.7	14.4	145	GA	Murray . . . . .	247	12.6	11.2
159	FL	Hamilton . . . . .	454	12.7	21.7	152	GA	Richmond . . . . .	254	8.6	2.8
163	FL	Escambia . . . . .	266	8.4	4.6	152	SC	Aiken . . . . .	254	8.6	6.5
163	FL	Santa Rosa . . . . .	266	8.4	4.9	152	GA	Columbia . . . . .	254	8.6	4.5
163	FL	Okaloosa . . . . .	295	8.4	8.4	152	GA	McDuffie . . . . .	254	8.6	5.0
163	FL	Walton . . . . .	295	8.4	17.1	152	SC	Edgefield . . . . .	254	8.6	12.9
163	AL	Escambia . . . . .	329	8.4	11.1	152	GA	Lincoln . . . . .	254	8.6	36.5
163	AL	Conecuh . . . . .	329	8.4	31.8	152	GA	Warren . . . . .	254	8.6	14.1
165	FL	Lee . . . . .	268	15.6	13.8	152	GA	Glascock . . . . .	254	8.6	24.4
						152	GA	Taliaferro . . . . .	254	8.6	61.0

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
152	SC	Barnwell . . . . .	382	8.6	29.6	190	GA	Cobb . . . . .	297	25.7	25.7
152	GA	Burke . . . . .	428	8.6	14.3	190	GA	Douglas . . . . .	297	25.7	40.1
152	GA	Jenkins . . . . .	442	8.6	19.2	190	GA	Paulding . . . . .	297	25.7	17.4
153	GA	Fulton . . . . .	255	7.5	6.5	193	GA	Bibb . . . . .	300	12.7	6.1
153	GA	DeKalb . . . . .	255	7.5	6.0	193	GA	Houston . . . . .	300	12.7	8.9
153	GA	Rockdale . . . . .	255	7.5	7.9	193	GA	Peach . . . . .	300	12.7	12.8
153	GA	Forsyth . . . . .	255	7.5	10.7	193	GA	Jones . . . . .	300	12.7	26.8
153	GA	Clayton . . . . .	294	7.5	5.9	193	GA	Wilkinson . . . . .	300	12.7	52.8
153	GA	Fayette . . . . .	294	7.5	23.3	193	GA	Twiggs . . . . .	300	12.7	32.4
153	GA	Henry . . . . .	294	7.5	8.5	193	GA	Taylor . . . . .	300	12.7	58.8
153	GA	Gwinnett . . . . .	330	7.5	7.1	193	GA	Crawford . . . . .	300	12.7	25.0
153	GA	Walton . . . . .	330	7.5	23.1	193	GA	Bleckley . . . . .	339	12.7	11.3
154	GA	Floyd . . . . .	256	13.0	5.0	193	GA	Pulaski . . . . .	339	12.7	10.7
154	GA	Polk . . . . .	256	13.0	10.7	193	GA	Monroe . . . . .	398	12.7	16.6
154	GA	Gordon . . . . .	256	13.0	30.6	197	GA	Crisp . . . . .	307	28.2	17.5
154	GA	Chattooga . . . . .	256	13.0	15.2	197	GA	Dooley . . . . .	307	28.2	28.6
154	GA	Bartow . . . . .	387	13.0	20.1	197	GA	Wilcox . . . . .	307	28.2	66.1
157	GA	Hall . . . . .	259	16.3	10.5	197	GA	Sumter . . . . .	346	28.2	21.0
157	GA	Habersham . . . . .	259	16.3	21.1	197	GA	Macon . . . . .	346	28.2	29.8
157	GA	Lumpkin . . . . .	259	16.3	9.7	201	GA	Baldwin . . . . .	311	22.9	20.4
157	GA	White . . . . .	259	16.3	10.4	201	GA	Putnam . . . . .	311	22.9	26.8
157	GA	Banks . . . . .	259	16.3	52.5	201	GA	Hancock . . . . .	311	22.9	25.4
157	GA	Dawson . . . . .	259	16.3	36.2	204	GA	Spalding . . . . .	314	30.6	23.9
157	GA	Union . . . . .	333	16.3	14.7	204	GA	Butts . . . . .	314	30.6	49.1
157	GA	Towns . . . . .	333	16.3	18.1	206	GA	Laurens . . . . .	316	20.7	11.4
164	GA	Clarke . . . . .	267	15.4	8.0	206	GA	Telfair . . . . .	316	20.7	24.4
164	GA	Jackson . . . . .	267	15.4	22.0	206	GA	Johnson . . . . .	316	20.7	40.0
164	GA	Barrow . . . . .	267	15.4	18.8	206	GA	Montgomery . . . . .	316	20.7	27.2
164	GA	Madison . . . . .	267	15.4	17.7	206	GA	Treutlen . . . . .	316	20.7	26.1
164	GA	Oconee . . . . .	267	15.4	10.6	206	GA	Wheeler . . . . .	316	20.7	16.4
164	GA	Morgan . . . . .	267	15.4	20.8	206	GA	Dodge . . . . .	384	20.7	18.9
164	GA	Oglethorpe . . . . .	267	15.4	9.1	206	GA	Toombs . . . . .	436	20.7	26.8
164	GA	Greene . . . . .	422	15.4	26.0	216	GA	Hart . . . . .	327	24.2	31.5
166	GA	Muscogee . . . . .	269	10.7	5.9	216	GA	Franklin . . . . .	327	24.2	24.6
166	AL	Russell . . . . .	269	10.7	9.1	216	GA	Stephens . . . . .	386	24.2	18.6
166	GA	Chattahoochee . . . . .	269	10.7	14.6	220	GA	Newton . . . . .	334	45.0	42.6
166	GA	Harris . . . . .	269	10.7	35.9	220	GA	Jasper . . . . .	334	45.0	57.6
166	GA	Talbot . . . . .	269	10.7	37.3	222	GA	Bulloch . . . . .	336	26.9	20.9
166	GA	Stewart . . . . .	269	10.7	15.4	222	GA	Emanuel . . . . .	336	26.9	29.8
166	GA	Marion . . . . .	269	10.7	8.5	222	GA	Candler . . . . .	336	26.9	23.1
166	GA	Schley . . . . .	269	10.7	54.4	222	GA	Screven . . . . .	435	26.9	34.5
166	GA	Webster . . . . .	269	10.7	26.4	228	GA	Decatur . . . . .	345	32.2	32.2
172	GA	Troup . . . . .	275	17.5	9.2	228	GA	Seminole . . . . .	345	32.2	33.8
172	GA	Coweta . . . . .	275	17.5	12.9	228	GA	Miller . . . . .	345	32.2	29.8
172	GA	Meriwether . . . . .	275	17.5	22.9	230	GA	Wayne . . . . .	349	28.7	21.0
172	GA	Heard . . . . .	275	17.5	30.0	230	GA	Appling . . . . .	349	28.7	41.1
172	AL	Chambers . . . . .	406	17.5	21.7	236	GA	Coffee . . . . .	363	35.2	29.4
172	AL	Randolph . . . . .	407	17.5	31.7	236	GA	Jeff Davis . . . . .	363	35.2	32.5
174	GA	Ware . . . . .	277	20.0	17.2	236	GA	Atkinson . . . . .	363	35.2	62.6
174	GA	Pierce . . . . .	277	20.0	23.0	250	GA	Jefferson . . . . .	414	38.2	43.3
174	GA	Bacon . . . . .	277	20.0	20.3	250	GA	Washington . . . . .	415	38.2	32.9
174	GA	Clinch . . . . .	429	20.0	24.8	253	GA	Elbert . . . . .	437	33.2	32.8
178	GA	Thomas . . . . .	281	21.4	13.0	253	GA	Wilkes . . . . .	438	33.2	33.8
178	GA	Grady . . . . .	281	21.4	11.1	254	GA	Colquitt . . . . .	453	32.5	32.5
178	GA	Mitchell . . . . .	281	21.4	51.8	268	GA	Rabun . . . . .	467	28.1	28.1
180	GA	Lowndes . . . . .	283	15.6	9.0	269	GA	Upson . . . . .	468	42.1	23.5
180	GA	Brooks . . . . .	283	15.6	33.0	269	GA	Lamar . . . . .	468	42.1	65.4
180	GA	Cook . . . . .	283	15.6	16.9	269	GA	Pike . . . . .	468	42.1	61.5
180	GA	Echols . . . . .	283	15.6	10.3	302	IL	Stephenson . . . . .	499	15.7	23.0
180	GA	Berrien . . . . .	344	15.6	21.3	302	IL	Jo Daviess . . . . .	499	15.7	20.1
180	GA	Lanier . . . . .	344	15.6	9.1	302	IA	Dubuque . . . . .	512	15.7	6.5
189	GA	Tift . . . . .	292	20.5	20.4	302	IA	Jackson . . . . .	512	15.7	21.4
189	GA	Ben Hill . . . . .	292	20.5	16.0	340	IA	Des Moines . . . . .	998	26.9	15.5
189	GA	Turner . . . . .	292	20.5	28.7						
189	GA	Irwin . . . . .	292	20.5	23.1						
190	GA	Cherokee . . . . .	293	25.7	19.1						
190	GA	Pickens . . . . .	293	25.7	18.0						

Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
340	IA	Henry . . . . .	998	26.9	35.2	606	IA	Hamilton . . . . .	999	27.1	14.3
340	IL	Henderson . . . . .	998	26.9	59.3	606	IA	Wright . . . . .	1138	27.1	54.9
350	WI	Crawford . . . . .	614	40.5	43.7	606	IA	Hardin . . . . .	1173	27.1	37.0
350	IA	Clayton . . . . .	1009	40.5	34.5	617	IA	Guthrie . . . . .	1013	42.4	43.7
350	IA	Delaware . . . . .	1009	40.5	46.7	617	IA	Greene . . . . .	1013	42.4	40.8
367	IA	Lee . . . . .	568	33.9	24.5	625	IA	Clay . . . . .	1024	29.7	25.9
367	IL	Hancock . . . . .	568	33.9	41.3	625	IA	Dickinson . . . . .	1024	29.7	30.1
367	MO	Clark . . . . .	568	33.9	50.9	625	IA	Palo Alto . . . . .	1136	29.7	34.4
395	IA	Winneshiek . . . . .	1144	35.6	35.6	633	IA	Sac . . . . .	1034	32.6	42.9
545	IA	Linn . . . . .	928	10.5	5.8	633	IA	Calhoun . . . . .	1034	32.6	37.2
545	IA	Benton . . . . .	928	10.5	8.7	633	IA	Carroll . . . . .	1079	32.6	21.0
545	IA	Jones . . . . .	928	10.5	14.6	634	IA	Floyd . . . . .	1035	41.2	44.9
545	IA	Cedar . . . . .	928	10.5	31.6	634	IA	Chickasaw . . . . .	1035	41.2	35.6
545	IA	Johnson . . . . .	935	10.5	8.3	641	IA	Scott . . . . .	1048	13.5	9.9
545	IA	Washington . . . . .	935	10.5	8.5	641	IA	Muscatine . . . . .	1048	13.5	25.7
545	IA	Iowa . . . . .	935	10.5	9.3	644	IA	Page . . . . .	1051	48.0	39.4
545	IA	Louisa . . . . .	935	10.5	59.8	644	IA	Fremont . . . . .	1051	48.0	43.7
546	IA	Polk . . . . .	929	8.4	6.5	644	IA	Taylor . . . . .	1051	48.0	72.8
546	IA	Warren . . . . .	929	8.4	9.2	645	IA	Lucas . . . . .	1052	40.8	41.2
546	IA	Jasper . . . . .	929	8.4	13.8	645	IA	Wayne . . . . .	1052	40.8	40.4
546	IA	Dallas . . . . .	929	8.4	11.0	647	IA	Montgomery . . . . .	1054	31.8	28.5
546	IA	Madison . . . . .	929	8.4	5.9	647	IA	Adams . . . . .	1054	31.8	42.9
546	IA	Clarke . . . . .	929	8.4	10.5	649	IA	Appanoose . . . . .	1056	27.4	23.3
546	IA	Union . . . . .	1023	8.4	9.5	649	IA	Davis . . . . .	1056	27.4	33.7
546	IA	Adair . . . . .	1023	8.4	21.3	652	IA	O'Brien . . . . .	1064	38.2	39.1
546	IA	Decatur . . . . .	1088	8.4	9.1	652	IA	Osceola . . . . .	1065	38.2	36.0
546	IA	Ringgold . . . . .	1089	8.4	8.8	665	IA	Mitchell . . . . .	1177	43.8	43.8
546	IA	Marion . . . . .	1127	8.4	8.7	672	IA	Sioux . . . . .	1184	40.4	40.4
556	IA	Cerro Gordo . . . . .	941	20.9	11.0	679	IA	Marshall . . . . .	1191	39.2	26.8
556	IA	Hancock . . . . .	941	20.9	17.4	679	IA	Tama . . . . .	1191	39.2	61.8
556	IA	Winnebago . . . . .	941	20.9	32.1	681	IA	Crawford . . . . .	1193	48.7	48.7
556	IA	Franklin . . . . .	941	20.9	17.9	686	IA	Poweshiek . . . . .	1198	30.4	30.4
556	IA	Worth . . . . .	941	20.9	19.3	694	ID	Nez Perce . . . . .	1206	14.4	12.1
556	IA	Kossuth . . . . .	1118	20.9	41.5	694	WA	Asotin . . . . .	1206	14.4	13.6
557	IA	Black Hawk . . . . .	942	17.2	8.7	694	ID	Clearwater . . . . .	1206	14.4	7.6
557	IA	Bremer . . . . .	942	17.2	11.6	694	ID	Lewis . . . . .	1206	14.4	15.2
557	IA	Buchanan . . . . .	942	17.2	21.1	694	WA	Garfield . . . . .	1206	14.4	30.6
557	IA	Butler . . . . .	942	17.2	39.5	694	ID	Idaho . . . . .	1278	14.4	21.0
557	IA	Grundy . . . . .	942	17.2	35.8	695	ID	Twin Falls . . . . .	1207	14.5	13.9
557	IA	Fayette . . . . .	1078	17.2	30.3	695	ID	Jerome . . . . .	1207	14.5	12.3
560	IA	Woodbury . . . . .	945	9.6	4.5	695	ID	Gooding . . . . .	1207	14.5	19.3
560	NE	Dakota . . . . .	945	9.6	5.9	695	ID	Lincoln . . . . .	1207	14.5	14.7
560	IA	Monona . . . . .	945	9.6	14.6	696	ID	Bannock . . . . .	1209	19.4	9.2
560	IA	Ida . . . . .	945	9.6	8.8	696	ID	Bingham . . . . .	1209	19.4	36.4
560	NE	Thurston . . . . .	945	9.6	8.6	696	ID	Power . . . . .	1209	19.4	20.7
560	NE	Dixon . . . . .	945	9.6	18.7	696	ID	Caribou . . . . .	1357	19.4	25.4
560	IA	Plymouth . . . . .	1093	9.6	13.0	696	ID	Oneida . . . . .	1392	19.4	25.3
560	IA	Buena Vista . . . . .	1121	9.6	25.5	716	ID	Ada . . . . .	1229	6.9	7.8
560	IA	Cherokee . . . . .	1122	9.6	8.1	716	ID	Gem . . . . .	1229	6.9	7.2
585	IA	Webster . . . . .	971	31.1	29.5	716	ID	Valley . . . . .	1229	6.9	7.3
585	IA	Humboldt . . . . .	971	31.1	25.5	716	ID	Boise . . . . .	1229	6.9	20.6
585	IA	Pocahontas . . . . .	971	31.1	42.6	716	ID	Elmore . . . . .	1302	6.9	11.8
589	IA	Wapello . . . . .	975	22.9	13.0	716	ID	Canyon . . . . .	1365	6.9	4.7
589	IA	Mahaska . . . . .	975	22.9	28.9	716	ID	Owyhee . . . . .	1365	6.9	3.2
589	IA	Keokuk . . . . .	975	22.9	41.9	722	ID	Bonneville . . . . .	1235	16.2	14.6
589	IA	Jefferson . . . . .	1059	22.9	20.8	722	ID	Madison . . . . .	1235	16.2	8.6
589	IA	Van Buren . . . . .	1059	22.9	32.8	722	ID	Jefferson . . . . .	1235	16.2	9.0
589	IA	Monroe . . . . .	1099	22.9	24.2	722	ID	Fremont . . . . .	1235	16.2	18.3
596	IA	Pottawattamie . . . . .	986	22.2	17.3	722	ID	Custer . . . . .	1235	16.2	60.7
596	IA	Shelby . . . . .	986	22.2	18.5	722	ID	Butte . . . . .	1235	16.2	33.3
596	IA	Mills . . . . .	986	22.2	29.9	722	ID	Clark . . . . .	1235	16.2	20.0
596	IA	Cass . . . . .	1043	22.2	26.7	722	ID	Teton . . . . .	1369	16.2	14.6
596	IA	Audubon . . . . .	1043	22.2	29.9						
596	IA	Harrison . . . . .	1090	22.2	34.0						
606	IA	Story . . . . .	999	27.1	20.7						
606	IA	Boone . . . . .	999	27.1	24.2						

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
730	ID	Cassia . . . . .	1244	29.4	27.2	333	IL	Vermilion . . . . .	530	21.1	14.8
730	ID	Minidoka . . . . .	1244	29.4	32.3	333	IN	Fountain . . . . .	530	21.1	38.1
734	ID	Kootenai . . . . .	1248	20.7	17.2	333	IN	Warren . . . . .	530	21.1	38.1
734	ID	Shoshone . . . . .	1248	20.7	14.2	333	IL	Edgar . . . . .	668	21.1	25.5
734	ID	Bonner . . . . .	1281	20.7	31.1	334	IL	Macoupin . . . . .	531	37.4	43.3
734	ID	Boundary . . . . .	1281	20.7	24.9	334	IL	Montgomery . . . . .	531	37.4	29.1
734	ID	Benewah . . . . .	1399	20.7	26.3	335	IL	Jefferson . . . . .	532	23.1	18.7
808	ID	Blaine . . . . .	1409	29.9	28.6	335	IL	Wayne . . . . .	532	23.1	32.9
808	ID	Camas . . . . .	1409	29.9	37.5	336	IL	La Salle . . . . .	533	18.9	16.9
813	ID	Lemhi . . . . .	1414	29.8	29.8	336	IL	Bureau . . . . .	533	18.9	20.3
277	IL	Peoria . . . . .	475	12.9	5.1	336	IL	Putnam . . . . .	533	18.9	19.0
277	IL	Tazewell . . . . .	475	12.9	7.8	336	IL	Livingston . . . . .	641	18.9	22.5
277	IL	Fulton . . . . .	475	12.9	26.2	338	IL	McLean . . . . .	535	25.1	15.5
277	IL	Mason . . . . .	475	12.9	34.6	338	IL	Woodford . . . . .	535	25.1	51.4
277	IL	Marshall . . . . .	475	12.9	54.0	338	IL	DeWitt . . . . .	664	25.1	34.1
279	IL	Champaign . . . . .	477	11.9	7.6	343	IL	Kankakee . . . . .	539	15.0	10.6
279	IL	Douglas . . . . .	477	11.9	14.0	343	IL	Iroquois . . . . .	539	15.0	26.3
279	IL	Ford . . . . .	477	11.9	16.4	351	IL	Richland . . . . .	546	43.4	20.5
279	IL	Coles . . . . .	623	11.9	11.9	351	IL	Clay . . . . .	546	43.4	43.8
279	IL	Cumberland . . . . .	623	11.9	35.3	351	IL	Jasper . . . . .	546	43.4	72.9
287	IL	Cook . . . . .	484	6.1	5.4	351	IL	Edwards . . . . .	546	43.4	48.7
287	IL	Du Page . . . . .	484	6.1	7.8	353	IL	Adams . . . . .	548	12.9	6.7
287	IL	Lake . . . . .	551	6.1	7.5	353	IL	Pike . . . . .	548	12.9	17.8
287	IL	McHenry . . . . .	551	6.1	23.7	353	MO	Lewis . . . . .	548	12.9	17.5
291	IL	Winnebago . . . . .	488	13.9	10.2	353	MO	Marion . . . . .	1036	12.9	11.8
291	IL	Ogle . . . . .	488	13.9	24.9	353	MO	Pike . . . . .	1036	12.9	21.4
291	IL	Boone . . . . .	488	13.9	7.2	353	MO	Ralls . . . . .	1036	12.9	37.8
291	IL	Lee . . . . .	599	13.9	26.6	358	IL	Marion . . . . .	554	22.6	18.9
299	IL	Madison . . . . .	496	24.9	24.5	358	IL	Washington . . . . .	554	22.6	36.6
299	IL	Jersey . . . . .	496	24.9	18.8	361	IA	Clinton . . . . .	557	25.3	24.3
299	IL	Calhoun . . . . .	496	24.9	31.9	361	IL	Carroll . . . . .	557	25.3	48.7
299	IL	Bond . . . . .	633	24.9	30.9	361	IL	Whiteside . . . . .	602	25.3	18.4
303	IL	Will . . . . .	500	21.1	23.2	363	IL	Effingham . . . . .	560	25.4	18.4
303	IL	Grundy . . . . .	500	21.1	8.5	363	IL	Fayette . . . . .	560	25.4	32.3
305	IL	Macon . . . . .	502	15.4	7.0	373	IL	Kane . . . . .	577	15.4	12.6
305	IL	Platt . . . . .	502	15.4	35.7	373	IL	DeKalb . . . . .	577	15.4	24.1
305	IL	Moultrie . . . . .	502	15.4	20.5	373	IL	Kendall . . . . .	577	15.4	22.3
305	IL	Shelby . . . . .	604	15.4	28.5	383	IL	White . . . . .	589	36.1	39.0
307	IL	Rock Island . . . . .	504	14.5	8.4	383	IL	Hamilton . . . . .	589	36.1	31.4
307	IL	Henry . . . . .	504	14.5	22.6	384	IL	Saline . . . . .	590	23.3	18.1
307	IL	Mercer . . . . .	504	14.5	23.9	384	IL	Gallatin . . . . .	590	23.3	34.0
307	IL	Stark . . . . .	504	14.5	55.6	384	IL	Hardin . . . . .	590	23.3	17.7
318	IL	Sangamon . . . . .	515	11.4	5.7	384	IL	Pope . . . . .	590	23.3	48.2
318	IL	McDonough . . . . .	515	11.4	11.6	273	IN	Vanderburgh . . . . .	471	8.7	4.0
318	IL	Cass . . . . .	515	11.4	35.8	273	IN	Warrick . . . . .	471	8.7	4.9
318	IL	Menard . . . . .	515	11.4	7.2	273	IN	Gibson . . . . .	471	8.7	7.2
318	IL	Schuyler . . . . .	515	11.4	9.4	273	IN	Posey . . . . .	471	8.7	6.2
318	IL	Brown . . . . .	515	11.4	41.6	273	IN	Spencer . . . . .	471	8.7	59.8
318	IL	Christian . . . . .	628	11.4	14.2	273	IL	Wabash . . . . .	658	8.7	17.0
318	IL	Logan . . . . .	662	11.4	18.8	275	IN	Marion . . . . .	473	6.2	4.7
319	IL	Morgan . . . . .	516	21.8	17.7	275	IN	Johnson . . . . .	473	6.2	8.6
319	IL	Greene . . . . .	516	21.8	30.8	275	IN	Hendricks . . . . .	473	6.2	8.8
319	IL	Scott . . . . .	516	21.8	22.5	275	IN	Morgan . . . . .	473	6.2	9.5
324	IL	Knox . . . . .	521	10.3	9.3	275	IN	Putnam . . . . .	620	6.2	11.7
324	IL	Warren . . . . .	521	10.3	13.2	275	IN	Rush . . . . .	644	6.2	18.4
325	IL	St. Clair . . . . .	522	16.6	16.2	275	IN	Shelby . . . . .	645	6.2	10.0
325	IL	Randolph . . . . .	522	16.6	12.1	300	IN	Tippecanoe . . . . .	497	15.0	9.1
325	IL	Monroe . . . . .	522	16.6	20.7	300	IN	Clinton . . . . .	497	15.0	23.7
325	IL	Clinton . . . . .	663	16.6	21.9	300	IN	White . . . . .	497	15.0	15.8
331	IL	Williamson . . . . .	528	14.7	10.3	300	IN	Carroll . . . . .	497	15.0	24.1
331	IL	Franklin . . . . .	528	14.7	15.9	300	IN	Benton . . . . .	497	15.0	14.1
331	IL	Jackson . . . . .	585	14.7	14.2	304	IN	Allen . . . . .	501	9.3	6.7
331	IL	Perry . . . . .	585	14.7	24.5	304	IN	Noble . . . . .	501	9.3	18.6

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
304	IN	Lagrange . . . . .	501	9.3	21.0	385	IN	Fayette . . . . .	592	16.4	17.3
304	IN	Whitley . . . . .	501	9.3	7.4	385	IN	Union . . . . .	592	16.4	46.6
304	IN	Steuben . . . . .	618	9.3	11.0	389	IN	Grant . . . . .	621	24.4	17.4
304	IN	DeKalb . . . . .	638	9.3	9.4	389	IN	Miami . . . . .	622	24.4	33.2
308	IN	Lake . . . . .	505	8.8	6.8	389	IN	Wabash . . . . .	666	24.4	30.9
308	IN	Porter . . . . .	505	8.8	11.2	390	IN	Hamilton . . . . .	642	22.6	45.1
308	IN	Jasper . . . . .	505	8.8	20.7	390	IN	Madison . . . . .	643	22.6	13.7
308	IN	Newton . . . . .	505	8.8	37.6	394	IN	Dubois . . . . .	676	10.9	10.9
310	IN	Knox . . . . .	507	20.8	7.7	401	IN	Boone . . . . .	680	34.3	34.3
310	IN	Davies . . . . .	507	20.8	16.6	402	IN	Montgomery . . . . .	681	22.7	22.7
310	IL	Lawrence . . . . .	507	20.8	14.8	551	KS	Ford . . . . .	934	22.3	17.5
310	IN	Pike . . . . .	507	20.8	65.2	551	KS	Gray . . . . .	934	22.3	31.0
310	IN	Martin . . . . .	507	20.8	63.5	551	KS	Hodgeman . . . . .	934	22.3	17.3
310	IL	Crawford . . . . .	640	20.8	18.9	551	KS	Meade . . . . .	1040	22.3	28.3
311	IN	Vigo . . . . .	508	17.5	10.1	551	KS	Clark . . . . .	1040	22.3	32.0
311	IN	Clay . . . . .	508	17.5	15.9	554	KS	Shawnee . . . . .	938	8.9	5.3
311	IN	Vermillion . . . . .	508	17.5	23.7	554	KS	Jefferson . . . . .	938	8.9	27.3
311	IL	Clark . . . . .	508	17.5	53.8	554	KS	Osage . . . . .	938	8.9	24.4
311	IN	Parke . . . . .	508	17.5	21.1	554	KS	Jackson . . . . .	938	8.9	4.8
311	IN	Sullivan . . . . .	661	17.5	15.3	554	KS	Wabaunsee . . . . .	938	8.9	29.9
312	IN	St. Joseph . . . . .	509	12.4	9.5	554	KS	Riley . . . . .	993	8.9	10.9
312	IN	Marshall . . . . .	509	12.4	13.4	554	KS	Pottawatomie . . . . .	993	8.9	3.6
312	IN	Fulton . . . . .	591	12.4	24.0	554	KS	Brown . . . . .	1070	8.9	9.4
312	IN	Pulaski . . . . .	591	12.4	36.4	554	KS	Nemaha . . . . .	1071	8.9	5.2
313	IN	Bartholomew . . . . .	510	18.4	11.9	562	KS	Grant . . . . .	947	24.0	27.3
313	IN	Jennings . . . . .	510	18.4	15.7	562	KS	Stanton . . . . .	947	24.0	22.0
313	IN	Decatur . . . . .	639	18.4	28.5	562	CO	Baca . . . . .	1386	24.0	22.5
313	IN	Jackson . . . . .	674	18.4	20.4	565	KS	Ellis . . . . .	950	12.2	10.2
321	IN	Jefferson . . . . .	518	23.0	21.3	565	KS	Rooks . . . . .	950	12.2	16.3
321	KY	Carroll . . . . .	518	23.0	23.7	565	KS	Graham . . . . .	950	12.2	10.6
321	IN	Switzerland . . . . .	518	23.0	10.0	565	KS	Gove . . . . .	1039	12.2	11.0
321	KY	Trimble . . . . .	518	23.0	28.0	565	KS	Logan . . . . .	1039	12.2	19.5
321	IN	Dearborn . . . . .	559	23.0	23.7	565	KS	Trego . . . . .	1131	12.2	12.1
321	IN	Ripley . . . . .	559	23.0	27.7	567	KS	Lyon . . . . .	952	19.6	11.1
321	IN	Ohio . . . . .	559	23.0	18.1	567	KS	Coffey . . . . .	952	19.6	30.1
323	IN	Delaware . . . . .	520	17.8	10.6	567	KS	Chase . . . . .	952	19.6	13.5
323	IN	Randolph . . . . .	520	17.8	37.2	567	KS	Greenwood . . . . .	1128	19.6	28.4
323	IN	Blackford . . . . .	520	17.8	21.5	569	KS	Saline . . . . .	954	14.4	14.2
329	IN	Lawrence . . . . .	526	21.4	17.7	569	KS	Ottawa . . . . .	954	14.4	6.6
329	IN	Orange . . . . .	526	21.4	33.9	569	KS	Lincoln . . . . .	954	14.4	8.3
332	IN	Huntington . . . . .	529	26.4	31.5	569	KS	Ellsworth . . . . .	1094	14.4	23.8
332	IN	Wells . . . . .	529	26.4	15.5	575	KS	Finney . . . . .	960	16.9	15.5
332	IN	Adams . . . . .	615	26.4	24.4	575	KS	Kearny . . . . .	960	16.9	8.3
332	IN	Jay . . . . .	616	26.4	31.4	575	KS	Haskell . . . . .	960	16.9	20.9
339	IN	Floyd . . . . .	536	21.6	19.3	575	KS	Scott . . . . .	1058	16.9	17.3
339	IN	Harrison . . . . .	536	21.6	17.3	575	KS	Lane . . . . .	1058	16.9	22.8
339	IN	Crawford . . . . .	536	21.6	42.8	575	KS	Hamilton . . . . .	1082	16.9	21.2
339	IN	Washington . . . . .	625	21.6	23.5	576	KS	Sedgwick . . . . .	961	5.7	4.9
341	IN	Monroe . . . . .	537	21.7	11.3	576	KS	Butler . . . . .	961	5.7	6.2
341	IN	Greene . . . . .	537	21.7	27.6	576	KS	Sumner . . . . .	961	5.7	5.2
341	IN	Owen . . . . .	537	21.7	33.5	576	KS	Harvey . . . . .	981	5.7	7.6
341	IN	Brown . . . . .	537	21.7	58.8	576	KS	Marion . . . . .	981	5.7	9.2
349	IN	Elkhart . . . . .	545	19.7	12.9	576	KS	Cowley . . . . .	1124	5.7	7.1
349	IN	Kosciusko . . . . .	545	19.7	36.0	583	KS	Barton . . . . .	969	21.2	17.2
362	IN	Henry . . . . .	558	30.3	29.4	583	KS	Pawnee . . . . .	969	21.2	20.6
362	IN	Hancock . . . . .	558	30.3	32.2	583	KS	Rush . . . . .	969	21.2	35.1
364	IN	Howard . . . . .	562	14.8	12.3	583	KS	Edwards . . . . .	969	21.2	24.2
364	IN	Tipton . . . . .	562	14.8	16.0	587	KS	Seward . . . . .	973	32.1	24.9
364	IN	Cass . . . . .	632	14.8	19.3	587	OK	Texas . . . . .	973	32.1	41.2
365	IN	Clark . . . . .	563	30.6	31.9	587	OK	Cimarron . . . . .	1038	32.1	35.3
365	IN	Scott . . . . .	563	30.6	26.3	587	KS	Morton . . . . .	1038	32.1	15.1
378	IN	La Porte . . . . .	582	17.6	13.8	598	KS	Reno . . . . .	988	22.8	19.1
378	IN	Starke . . . . .	582	17.6	33.0	598	KS	Rice . . . . .	988	22.8	32.5
385	IN	Wayne . . . . .	592	16.4	13.4	598	KS	Stafford . . . . .	1108	22.8	31.4

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
601	KS	Labette . . . . .	992	23.6	22.3	12	IL	Johnson . . . . .	13	10.6	50.4
601	KS	Neosho. . . . .	992	23.6	19.0	12	KY	Ballard . . . . .	13	10.6	4.4
601	KS	Allen . . . . .	1164	23.6	22.3	12	KY	Lyon . . . . .	13	10.6	40.4
601	KS	Woodson . . . . .	1164	23.6	45.2	12	KY	Hickman . . . . .	13	10.6	29.6
618	KS	Pratt. . . . .	1015	31.1	27.2	12	KY	Carlisle . . . . .	13	10.6	5.9
618	KS	Kiowa. . . . .	1015	31.1	31.9	12	KY	Livingston . . . . .	15	10.6	5.5
618	KS	Comanche. . . . .	1015	31.1	42.2	12	KY	Crittenden . . . . .	15	10.6	6.2
621	KS	Wyandotte . . . . .	1018	21.2	22.7	13	KY	Pike . . . . .	14	23.3	25.0
621	KS	Leavenworth . . . . .	1018	21.2	15.4	13	WV	Mingo . . . . .	14	23.3	20.9
622	KS	Mitchell. . . . .	1019	37.3	19.8	13	WV	Logan. . . . .	165	23.3	23.0
622	KS	Osborne . . . . .	1019	37.3	49.0	18	KY	Fayette . . . . .	20	13.4	6.9
622	KS	Jewell. . . . .	1019	37.3	60.8	18	KY	Jessamine . . . . .	20	13.4	4.2
624	KS	Johnson . . . . .	1021	37.3	47.3	18	KY	Woodford . . . . .	20	13.4	6.3
624	KS	Miami. . . . .	1021	37.3	20.5	18	KY	Breathitt . . . . .	20	13.4	12.8
624	KS	Franklin . . . . .	1021	37.3	17.8	18	KY	Lee . . . . .	20	13.4	28.6
624	KS	Anderson . . . . .	1086	37.3	33.1	18	KY	Wolfe . . . . .	20	13.4	45.9
624	KS	Douglas . . . . .	1140	37.3	13.0	18	KY	Owsley . . . . .	20	13.4	47.3
630	KS	Crawford . . . . .	1030	21.6	16.5	18	KY	Perry . . . . .	27	13.4	11.4
630	KS	Bourbon . . . . .	1030	21.6	16.6	18	KY	Knott . . . . .	27	13.4	50.6
630	KS	Linn . . . . .	1030	21.6	56.8	18	KY	Leslie . . . . .	27	13.4	15.2
635	KS	Marshall . . . . .	1041	43.5	43.9	18	KY	Scott . . . . .	155	13.4	10.5
635	KS	Washington . . . . .	1041	43.5	43.0	18	KY	Clark . . . . .	203	13.4	7.3
636	KS	Rawlins. . . . .	1042	43.6	43.0	18	KY	Powell . . . . .	203	13.4	21.2
636	KS	Cheyenne . . . . .	1042	43.6	44.4	27	KY	Boyle . . . . .	30	20.5	16.2
637	KS	Phillips . . . . .	1044	34.8	35.2	27	KY	Lincoln . . . . .	30	20.5	17.4
637	KS	Norton . . . . .	1044	34.8	45.8	27	KY	Casey. . . . .	30	20.5	32.7
637	KS	Smith. . . . .	1142	34.8	23.4	27	KY	Garrard. . . . .	172	20.5	17.8
642	KS	Cloud. . . . .	1049	28.6	33.6	27	KY	Mercer . . . . .	212	20.5	22.5
642	KS	Republic . . . . .	1049	28.6	21.3	29	KY	Warren . . . . .	32	14.1	11.4
643	KS	Wichita . . . . .	1050	46.4	49.3	29	KY	Allen . . . . .	32	14.1	15.6
643	KS	Greeley. . . . .	1050	46.4	41.5	29	KY	Simpson . . . . .	32	14.1	15.8
650	KS	Geary. . . . .	1057	32.0	27.7	29	KY	Butler . . . . .	32	14.1	13.8
650	KS	Morris. . . . .	1057	32.0	32.8	29	KY	Edmonson. . . . .	32	14.1	17.2
650	KS	Dickinson . . . . .	1104	32.0	34.0	29	KY	Logan. . . . .	207	14.1	16.7
659	KS	Sherman . . . . .	1110	34.3	30.1	37	KY	Pulaski . . . . .	40	28.0	21.9
659	KS	Wallace. . . . .	1110	34.3	73.4	37	KY	Wayne . . . . .	40	28.0	21.9
659	KS	Thomas . . . . .	1111	34.3	30.3	37	KY	McCreary . . . . .	40	28.0	51.7
661	KS	Harper . . . . .	1129	34.5	26.6	40	KY	Henderson . . . . .	43	20.7	15.7
661	KS	Kingman . . . . .	1130	34.5	44.5	40	KY	Union . . . . .	43	20.7	32.1
662	KS	Clay. . . . .	1174	38.3	38.3	45	KY	Christian . . . . .	49	19.6	15.4
664	KS	Stevens . . . . .	1176	50.0	50.0	45	KY	Todd . . . . .	49	19.6	51.2
667	KS	Russell . . . . .	1179	40.7	40.7	45	KY	Trigg . . . . .	49	19.6	17.5
669	KS	Barber . . . . .	1181	26.4	26.4	45	KY	Hopkins . . . . .	107	19.6	7.8
671	KS	Atchison . . . . .	1183	25.1	25.1	45	KY	Webster . . . . .	107	19.6	51.5
674	KS	McPherson . . . . .	1186	28.0	28.0	45	KY	Caldwell . . . . .	107	19.6	19.2
675	KS	Wilson . . . . .	1187	33.1	33.1	45	KY	Muhlenberg. . . . .	178	19.6	17.0
682	KS	Ness . . . . .	1194	45.8	45.8	51	KY	Whitley . . . . .	55	23.5	30.2
2	KY	Kenton . . . . .	2	14.1	12.0	51	KY	Knox . . . . .	55	23.5	23.6
2	KY	Boone . . . . .	2	14.1	12.5	51	KY	Laurel. . . . .	143	23.5	16.7
2	KY	Grant . . . . .	2	14.1	15.5	51	KY	Clay. . . . .	217	23.5	19.4
2	KY	Gallatin . . . . .	2	14.1	42.0	53	KY	Barren . . . . .	59	19.9	14.0
2	KY	Campbell . . . . .	193	14.1	12.5	53	KY	Hart . . . . .	59	19.9	40.6
2	KY	Pendleton . . . . .	193	14.1	38.0	53	KY	Metcalfe . . . . .	59	19.9	16.1
11	KY	Floyd . . . . .	12	23.2	20.2	53	KY	Monroe. . . . .	179	19.9	15.8
11	KY	Johnson . . . . .	12	23.2	22.1	62	KY	Madison . . . . .	68	27.9	22.4
11	KY	Magoffin . . . . .	12	23.2	39.8	62	KY	Estill . . . . .	68	27.9	25.4
12	KY	McCracken . . . . .	13	10.6	3.2	62	KY	Jackson . . . . .	68	27.9	50.9
12	KY	Graves . . . . .	13	10.6	12.8	62	KY	Rockcastle. . . . .	137	27.9	25.2
12	KY	Marshall . . . . .	13	10.6	14.5	67	KY	Rowan . . . . .	74	19.9	12.5
12	IL	Massac. . . . .	13	10.6	2.7	67	KY	Morgan . . . . .	74	19.9	15.4
						67	KY	Elliott . . . . .	74	19.9	20.8
						67	KY	Menifee . . . . .	74	19.9	50.5
						82	KY	Taylor. . . . .	93	30.1	26.9
						82	KY	Green. . . . .	93	30.1	42.3
						82	KY	Adair . . . . .	138	30.1	29.5
						82	KY	Russell . . . . .	209	30.1	24.9

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
89	KY	Hardin . . . . .	103	22.1	16.6	423	LA	St. Helena . . . . .	702	17.0	17.2
89	KY	Nelson . . . . .	103	22.1	36.4	424	LA	Lafayette . . . . .	703	6.7	4.7
89	KY	Meade . . . . .	103	22.1	55.8	424	LA	Iberia . . . . .	703	6.7	5.8
89	KY	Larue . . . . .	103	22.1	16.1	424	LA	St. Martin . . . . .	703	6.7	11.1
89	KY	Grayson . . . . .	189	22.1	12.5	424	LA	Vermilion . . . . .	820	6.7	1.9
89	KY	Breckinridge . . . . .	201	22.1	22.4	424	LA	Acadia . . . . .	844	6.7	13.4
96	KY	Harlan . . . . .	116	19.7	24.6	439	LA	Lincoln . . . . .	719	33.1	17.2
96	KY	Bell . . . . .	116	19.7	13.7	439	LA	Jackson . . . . .	719	33.1	24.0
96	TN	Claiborne . . . . .	424	19.7	23.4	439	LA	Bienville . . . . .	719	33.1	58.3
102	KY	Bourbon . . . . .	125	32.5	37.4	439	LA	Union . . . . .	886	33.1	42.5
102	KY	Nicholas . . . . .	125	32.5	23.2	443	LA	Ouachita . . . . .	724	4.9	3.2
104	KY	Clinton . . . . .	127	28.8	35.8	443	LA	Franklin . . . . .	724	4.9	6.7
104	KY	Cumberland . . . . .	127	28.8	21.6	443	LA	Richland . . . . .	724	4.9	4.0
114	KY	Franklin . . . . .	170	35.4	29.8	443	LA	West Carroll . . . . .	724	4.9	4.4
114	KY	Anderson . . . . .	170	35.4	53.6	443	LA	Caldwell . . . . .	724	4.9	6.1
114	KY	Owen . . . . .	171	35.4	41.8	443	LA	Morehouse . . . . .	811	4.9	6.6
115	KY	Calloway . . . . .	176	21.2	15.5	443	LA	East Carroll . . . . .	1418	4.9	20.5
115	TN	Carroll . . . . .	370	21.2	27.8	450	LA	Rapides . . . . .	731	12.0	6.7
115	TN	Benton . . . . .	370	21.2	24.2	450	LA	Avoyelles . . . . .	731	12.0	10.3
115	TN	Henry . . . . .	403	21.2	16.4	450	LA	Allen . . . . .	731	12.0	19.6
116	KY	Fleming . . . . .	182	26.7	27.2	450	LA	Grant . . . . .	731	12.0	11.9
116	KY	Mason . . . . .	183	26.7	19.0	450	LA	La Salle . . . . .	759	12.0	9.9
116	KY	Bracken . . . . .	183	26.7	42.9	450	LA	Catahoula . . . . .	759	12.0	56.8
119	KY	Harrison . . . . .	221	24.8	20.2	463	LA	St. Landry . . . . .	745	15.1	18.5
119	KY	Robertson . . . . .	221	24.8	58.3	463	LA	Evangeline . . . . .	745	15.1	8.9
123	KY	Letcher . . . . .	225	23.7	23.7	467	LA	Terrebonne . . . . .	750	12.5	8.5
131	KY	Montgomery . . . . .	233	34.6	22.6	467	LA	Lafourche . . . . .	750	12.5	8.9
131	KY	Bath . . . . .	233	34.6	53.8	467	LA	Assumption . . . . .	750	12.5	39.1
272	KY	Jefferson . . . . .	3	5.1	3.7	470	LA	Calcasieu . . . . .	754	11.6	6.2
272	KY	Bullitt . . . . .	3	5.1	7.4	470	LA	Jefferson Davis . . . . .	754	11.6	19.2
272	KY	Oldham . . . . .	3	5.1	5.8	470	LA	Cameron . . . . .	754	11.6	6.0
272	KY	Shelby . . . . .	3	5.1	9.5	470	LA	Vernon . . . . .	798	11.6	29.6
272	KY	Henry . . . . .	3	5.1	12.0	470	LA	Beauregard . . . . .	798	11.6	8.3
272	KY	Spencer . . . . .	3	5.1	11.2	500	LA	St. Tammany . . . . .	795	18.9	16.4
272	KY	Marion . . . . .	218	5.1	24.5	500	LA	Washington . . . . .	795	18.9	18.2
272	KY	Washington . . . . .	218	5.1	27.8	500	MS	Pearl River . . . . .	879	18.9	25.3
316	KY	Daviess . . . . .	69	11.1	6.5	523	LA	Claiborne . . . . .	906	33.5	33.5
316	KY	Ohio . . . . .	69	11.1	11.4	528	LA	St. Mary . . . . .	911	29.0	29.0
316	KY	McLean . . . . .	69	11.1	24.0	530	LA	Winn . . . . .	913	35.9	35.9
316	KY	Hancock . . . . .	69	11.1	12.7	22	MA	Middlesex . . . . .	24	5.3	4.6
316	IN	Perry . . . . .	627	11.1	22.4	22	MA	Suffolk . . . . .	24	5.3	4.1
403	LA	Orleans . . . . .	682	4.0	3.1	22	MA	Norfolk . . . . .	24	5.3	6.8
403	LA	Jefferson . . . . .	682	4.0	3.4	22	MA	Plymouth . . . . .	24	5.3	5.2
403	LA	St. Bernard . . . . .	682	4.0	2.2	22	MA	Barnstable . . . . .	160	5.3	8.1
403	LA	Plaquemines . . . . .	682	4.0	2.5	32	MA	Hampden . . . . .	35	6.5	6.3
403	LA	St. James . . . . .	682	4.0	47.6	32	MA	Hampshire . . . . .	35	6.5	7.3
403	LA	St. Charles . . . . .	771	4.0	11.1	68	MA	Bristol . . . . .	75	16.8	17.3
403	LA	St. John The Baptist . . . . .	771	4.0	5.6	68	RI	Newport . . . . .	75	16.8	13.3
416	LA	Caddo . . . . .	695	5.2	3.7	74	MA	Essex . . . . .	83	15.2	13.7
416	LA	Bossier . . . . .	695	5.2	2.8	74	NH	Rockingham . . . . .	83	15.2	22.3
416	LA	DeSoto . . . . .	695	5.2	3.6	101	MA	Worcester . . . . .	123	10.3	9.9
416	LA	Sabine . . . . .	695	5.2	10.7	101	MA	Franklin . . . . .	123	10.3	14.7
416	LA	Natchitoches . . . . .	753	5.2	14.7	111	MA	Nantucket . . . . .	161	28.4	28.4
416	LA	Red River . . . . .	753	5.2	1.9	112	MA	Berkshire . . . . .	162	13.7	6.2
416	LA	Webster . . . . .	813	5.2	5.3	112	NY	Columbia . . . . .	163	13.7	16.9
419	LA	East Baton Rouge . . . . .	698	8.2	4.9	112	NY	Greene . . . . .	163	13.7	39.4
419	LA	Livingston . . . . .	698	8.2	28.2	120	MA	Dukes . . . . .	222	25.7	25.7
419	LA	Ascension . . . . .	698	8.2	7.6	1	MD	Allegany . . . . .	1	9.0	3.8
419	LA	Iberville . . . . .	698	8.2	4.5	1	WV	Mineral . . . . .	1	9.0	7.6
419	LA	West Baton Rouge . . . . .	698	8.2	5.5	1	MD	Garrett . . . . .	145	9.0	11.8
419	LA	East Feliciana . . . . .	698	8.2	7.8	1	WV	Grant . . . . .	146	9.0	18.8
419	LA	West Feliciana . . . . .	698	8.2	8.7	1	WV	Hardy . . . . .	146	9.0	52.9
419	LA	Pointe Coupee . . . . .	824	8.2	7.2						
423	LA	Tangipahoa . . . . .	702	17.0	17.0						



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				Area	County					Area	County
16	MD	Baltimore . . . . .	18	7.5	6.2	309	MI	Kent . . . . .	506	13.0	8.5
16	MD	Howard . . . . .	18	7.5	17.7	309	MI	Ionia . . . . .	506	13.0	28.3
16	MD	Carroll . . . . .	18	7.5	18.9	309	MI	Montcalm . . . . .	506	13.0	14.3
16	MD	Anne Arundel . . . . .	148	7.5	8.1	309	MI	Mecosta . . . . .	617	13.0	21.1
16	MD	Calvert . . . . .	149	7.5	16.1	309	MI	Grafton . . . . .	655	13.0	20.4
61	MD	Prince George . . . . .	67	7.2	7.8	317	MI	Wexford . . . . .	514	38.5	34.9
61	MD	Charles . . . . .	67	7.2	8.3	317	MI	Osceola . . . . .	514	38.5	34.5
61	MD	Montgomery . . . . .	78	7.2	9.5	317	MI	Missaukee . . . . .	514	38.5	28.1
61	DC	The District . . . . .	78	7.2	4.8	317	MI	Lake . . . . .	514	38.5	61.6
61	MD	St. Marys . . . . .	213	7.2	10.3	320	MI	Ottawa . . . . .	517	31.9	30.2
107	MD	Queen Annes . . . . .	132	22.0	45.1	320	MI	Allegan . . . . .	517	31.9	34.7
107	MD	Dorchester . . . . .	132	22.0	15.9	322	MI	Saginaw . . . . .	519	19.2	11.8
107	MD	Talbot . . . . .	132	22.0	11.2	322	MI	Tuscola . . . . .	519	19.2	36.4
107	MD	Caroline . . . . .	132	22.0	21.7	322	MI	Huron . . . . .	648	19.2	27.7
124	MD	Kent . . . . .	226	20.6	20.6	327	MI	Berrien . . . . .	524	27.9	21.8
9	ME	Cumberland . . . . .	10	8.9	7.8	327	MI	Van Buren . . . . .	524	27.9	33.9
9	ME	Sagadahoc . . . . .	10	8.9	12.9	327	MI	Cass . . . . .	524	27.9	43.0
9	ME	Knox . . . . .	101	8.9	9.1	328	MI	Genesee . . . . .	525	10.9	9.2
9	ME	Lincoln . . . . .	101	8.9	13.4	328	MI	Lapeer . . . . .	525	10.9	26.0
17	ME	Penobscot . . . . .	19	10.0	12.2	330	MI	Midland . . . . .	527	22.0	15.8
17	ME	Piscataquis . . . . .	19	10.0	8.6	330	MI	Gladwin . . . . .	527	22.0	25.2
17	ME	Hancock . . . . .	124	10.0	7.0	330	MI	Isabella . . . . .	575	22.0	28.5
17	ME	Washington . . . . .	124	10.0	9.4	330	MI	Clare . . . . .	575	22.0	22.3
38	ME	Kennebec . . . . .	41	14.8	13.0	342	MI	Bay . . . . .	538	19.6	12.3
38	ME	Somerset . . . . .	41	14.8	10.7	342	MI	Ogemaw . . . . .	538	19.6	23.0
38	ME	Waldo . . . . .	147	14.8	27.0	342	MI	Arenac . . . . .	538	19.6	25.2
95	ME	Androscoggin . . . . .	115	11.7	6.8	342	MI	Oscoda . . . . .	538	19.6	55.0
95	ME	Franklin . . . . .	115	11.7	17.4	342	MI	Iosco . . . . .	605	19.6	29.2
95	ME	Oxford . . . . .	157	11.7	16.7	348	MI	Kalamazoo . . . . .	544	13.9	12.8
98	ME	York . . . . .	119	23.2	26.8	348	MI	St. Joseph . . . . .	544	13.9	16.4
98	NH	Strafford . . . . .	119	23.2	15.9	359	MI	Houghton . . . . .	555	20.8	21.3
136	ME	Aroostook . . . . .	238	9.1	9.1	359	MI	Baraga . . . . .	555	20.8	20.1
271	MI	Grand Traverse . . . . .	470	15.7	9.6	359	MI	Keweenaw . . . . .	555	20.8	18.0
271	MI	Antrim . . . . .	470	15.7	36.1	371	MI	Alpena . . . . .	574	38.2	18.7
271	MI	Leelanau . . . . .	470	15.7	12.6	371	MI	Presque Isle . . . . .	574	38.2	37.5
271	MI	Kalkaska . . . . .	470	15.7	19.5	371	MI	Alcona . . . . .	574	38.2	52.9
271	MI	Benzie . . . . .	470	15.7	13.1	371	MI	Montmorency . . . . .	574	38.2	70.9
271	MI	Manistee . . . . .	619	15.7	15.4	375	MI	Hillsdale . . . . .	579	24.3	24.1
274	MI	Wayne . . . . .	472	4.4	3.2	375	MI	Branch . . . . .	579	24.3	30.2
274	MI	Oakland . . . . .	472	4.4	6.6	375	MI	Jackson . . . . .	649	24.3	17.9
274	MI	Macomb . . . . .	472	4.4	3.9	375	MI	Lenawee . . . . .	650	24.3	32.2
274	MI	Washtenaw . . . . .	472	4.4	6.4	381	MI	Calhoun . . . . .	586	16.9	13.1
274	MI	Livingston . . . . .	472	4.4	13.2	381	MI	Barry . . . . .	586	16.9	33.3
285	MI	Ingham . . . . .	483	16.0	12.1	392	MI	Roscommon . . . . .	656	47.4	58.5
285	MI	Eaton . . . . .	483	16.0	17.9	392	MI	Crawford . . . . .	656	47.4	25.6
285	MI	Clinton . . . . .	483	16.0	19.9	392	MI	Otsego . . . . .	657	47.4	36.0
285	MI	Shlawassee . . . . .	626	16.0	24.1	286	WI	Polk . . . . .	561	16.0	16.8
293	MI	Marquette . . . . .	490	9.2	7.3	286	MN	Chisago . . . . .	561	16.0	25.1
293	MI	Alger . . . . .	490	9.2	9.3	286	MN	Ramsey . . . . .	940	16.0	14.5
293	MI	Delta . . . . .	571	9.2	10.9	286	MN	Dakota . . . . .	940	16.0	22.4
293	MI	Schoolcraft . . . . .	571	9.2	7.9	286	MN	Washington . . . . .	940	16.0	11.9
293	MI	Luce . . . . .	598	9.2	17.8	289	MN	St. Louis . . . . .	486	10.7	6.9
294	MI	Emmet . . . . .	491	15.9	12.3	289	WI	Douglas . . . . .	486	10.7	8.6
294	MI	Cheboygan . . . . .	491	15.9	11.7	289	MN	Carlton . . . . .	486	10.7	6.1
294	MI	Charlevoix . . . . .	491	15.9	12.9	289	MN	Pine . . . . .	486	10.7	56.3
294	MI	Mackinac . . . . .	491	15.9	37.7	289	MN	Lake . . . . .	603	10.7	6.8
294	MI	Chippewa . . . . .	667	15.9	14.1	289	MN	Cook . . . . .	1085	10.7	19.3
296	MI	Muskegon . . . . .	493	16.7	10.3	289	MN	Itasca . . . . .	1153	10.7	13.0
296	MI	Newaygo . . . . .	493	16.7	37.8	289	MN	Koochiching . . . . .	1154	10.7	17.3
296	MI	Oceana . . . . .	493	16.7	16.9	396	MN	Rice . . . . .	1168	25.4	25.4
296	MI	Mason . . . . .	651	16.7	22.7	540	MN	Hennepin . . . . .	923	11.2	7.5
297	MI	St. Clair . . . . .	494	22.6	20.8	540	MN	Anoka . . . . .	923	11.2	16.4
297	MI	Sanilac . . . . .	494	22.6	27.9	540	MN	Scott . . . . .	923	11.2	20.6

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
540	MN	Carver . . . . .	923	11.2	7.4	539	MO	Barton . . . . .	1109	13.1	19.7
540	MN	Sherburne . . . . .	923	11.2	53.5	541	MO	St. Louis . . . . .	924	4.5	4.8
540	MN	Le Sueur . . . . .	923	11.2	44.0	541	MO	St. Louis City . . . . .	924	4.5	3.0
540	MN	McLeod . . . . .	1037	11.2	5.5	541	MO	Jefferson . . . . .	924	4.5	4.4
540	MN	Sibley . . . . .	1037	11.2	23.1	541	MO	Franklin . . . . .	924	4.5	9.0
540	MN	Wright . . . . .	1083	11.2	20.5	541	MO	St. Francois . . . . .	965	4.5	3.8
552	MN	Olmsted . . . . .	936	11.7	5.0	541	MO	Washington . . . . .	965	4.5	3.2
552	MN	Fillmore . . . . .	936	11.7	27.0	541	MO	Iron . . . . .	1072	4.5	12.5
552	MN	Wabasha . . . . .	936	11.7	8.5	541	MO	St. Genevieve . . . . .	1087	4.5	16.8
552	MN	Dodge . . . . .	936	11.7	7.9	548	MO	Jackson . . . . .	931	9.1	6.5
552	MN	Winona . . . . .	1060	11.7	16.3	548	MO	Cass . . . . .	931	9.1	13.3
552	MN	Mower . . . . .	1061	11.7	5.3	548	MO	Johnson . . . . .	931	9.1	19.8
552	IA	Howard . . . . .	1126	11.7	27.1	548	MO	Lafayette . . . . .	931	9.1	17.7
552	MN	Steele . . . . .	1156	11.7	14.2	548	MO	Clay . . . . .	959	9.1	6.3
573	MN	Blue Earth . . . . .	957	29.1	22.3	548	MO	Platte . . . . .	959	9.1	21.6
573	MN	Nicollet . . . . .	957	29.1	30.7	548	MO	Ray . . . . .	959	9.1	3.7
573	MN	Waseca . . . . .	1084	29.1	44.7	548	MO	Clinton . . . . .	959	9.1	21.5
573	MN	Watonwan . . . . .	1158	29.1	30.0	548	MO	Daviess . . . . .	959	9.1	41.5
582	MN	Otter Tail . . . . .	1066	31.8	31.7	548	MO	Caldwell . . . . .	959	9.1	23.9
582	MN	Grant . . . . .	1066	31.8	32.3	549	MO	Greene . . . . .	932	11.6	4.0
588	MN	Stearns . . . . .	974	19.8	12.7	549	MO	Christian . . . . .	932	11.6	5.5
588	MN	Benton . . . . .	974	19.8	16.4	549	MO	Webster . . . . .	932	11.6	3.9
588	MN	Meeker . . . . .	974	19.8	34.8	549	MO	Polk . . . . .	932	11.6	11.6
592	MN	Kandiyohi . . . . .	979	16.4	14.9	549	MO	Stone . . . . .	932	11.6	41.1
592	MN	Chippewa . . . . .	979	16.4	12.4	549	MO	Wright . . . . .	932	11.6	4.9
592	MN	Yellow Medicine . . . . .	979	16.4	20.2	549	MO	Dallas . . . . .	932	11.6	8.1
592	MN	Swift . . . . .	1148	16.4	15.4	549	MO	Douglas . . . . .	932	11.6	3.9
592	MN	Lac Qui Parle . . . . .	1166	16.4	20.2	549	MO	Ozark . . . . .	932	11.6	59.8
597	MN	Beltrami . . . . .	987	18.4	16.5	549	MO	Dade . . . . .	932	11.6	19.9
597	MN	Clearwater . . . . .	987	18.4	23.8	549	MO	Hickory . . . . .	932	11.6	36.9
602	MN	Brown . . . . .	994	34.7	25.6	549	MO	Lawrence . . . . .	1006	11.6	9.1
602	MN	Redwood . . . . .	994	34.7	35.0	549	MO	Barry . . . . .	1006	11.6	16.6
602	MN	Renville . . . . .	1077	34.7	47.2	549	MO	Laclede . . . . .	1091	11.6	6.2
603	MN	Isanti . . . . .	995	22.0	19.0	549	MO	Texas . . . . .	1141	11.6	19.2
603	MN	Kanabec . . . . .	995	22.0	23.0	553	MO	Boone . . . . .	937	17.8	15.1
603	MN	Mille Lacs . . . . .	1171	22.0	23.7	553	MO	Cooper . . . . .	937	17.8	17.1
604	MN	Pennington . . . . .	996	30.8	16.2	553	MO	Howard . . . . .	937	17.8	6.0
604	MN	Marshall . . . . .	996	30.8	37.2	553	MO	Randolph . . . . .	1119	17.8	5.8
604	MN	Red Lake . . . . .	996	30.8	58.5	553	MO	Chariton . . . . .	1119	17.8	33.2
604	MN	Kittson . . . . .	1151	30.8	24.3	553	MO	Macon . . . . .	1137	17.8	29.8
608	MN	Douglas . . . . .	1001	15.8	14.9	553	MO	Shelby . . . . .	1137	17.8	41.2
608	MN	Pope . . . . .	1001	15.8	13.6	563	IL	Union . . . . .	634	14.9	17.5
608	MN	Stevens . . . . .	1152	15.8	18.8	563	MO	Cape Girardeau . . . . .	948	14.9	7.6
609	MN	Lyon . . . . .	1003	31.6	34.1	563	MO	Scott . . . . .	948	14.9	7.2
609	MN	Lincoln . . . . .	1003	31.6	27.3	563	MO	New Madrid . . . . .	948	14.9	27.6
612	MN	Crow Wing . . . . .	1007	25.7	16.1	563	MO	Perry . . . . .	948	14.9	8.9
612	MN	Cass . . . . .	1007	25.7	43.1	563	MO	Mississippi . . . . .	948	14.9	8.9
612	MN	Hubbard . . . . .	1007	25.7	32.4	563	IL	Alexander . . . . .	948	14.9	24.2
612	MN	Wadena . . . . .	1007	25.7	22.7	563	MO	Bollinger . . . . .	948	14.9	9.2
612	MN	Aitkin . . . . .	1112	25.7	30.9	563	IL	Pulaski . . . . .	948	14.9	42.5
619	MN	Nobles . . . . .	1016	28.3	29.4	563	MO	Butler . . . . .	990	14.9	15.6
619	MN	Jackson . . . . .	1016	28.3	21.6	563	MO	Stoddard . . . . .	990	14.9	10.1
619	MN	Cottonwood . . . . .	1107	28.3	33.1	563	MO	Ripley . . . . .	990	14.9	18.4
619	MN	Murray . . . . .	1135	28.3	28.6	563	MO	Wayne . . . . .	990	14.9	20.9
626	MN	Martin . . . . .	1025	30.0	27.9	563	MO	Carter . . . . .	990	14.9	33.5
626	IA	Emmet . . . . .	1025	30.0	33.8	566	MO	Adair . . . . .	951	23.4	12.7
631	MN	Roseau . . . . .	1031	33.2	37.7	566	MO	Sullivan . . . . .	951	23.4	24.8
631	MN	Lake Of The Woods . . . . .	1031	33.2	23.2	566	MO	Putnam . . . . .	951	23.4	27.1
646	MN	Freeborn . . . . .	1053	27.5	26.1	566	MO	Knox . . . . .	951	23.4	35.4
646	MN	Faribault . . . . .	1053	27.5	29.2	566	MO	Schuyler . . . . .	951	23.4	25.7
539	MO	Jasper . . . . .	922	13.1	7.5	566	MO	Scotland . . . . .	1098	23.4	30.0
539	MO	Newton . . . . .	922	13.1	10.4	581	MO	Cole . . . . .	967	34.3	9.1
539	KS	Cherokee . . . . .	922	13.1	16.6	581	MO	Miller . . . . .	967	34.3	43.3
539	MO	McDonald . . . . .	922	13.1	41.2	581	MO	Crawford . . . . .	967	34.3	99.7
						581	MO	Gasconade . . . . .	967	34.3	43.2
						581	MO	Moniteau . . . . .	967	34.3	26.3
						581	MO	Osage . . . . .	967	34.3	10.7
						581	MO	Maries . . . . .	967	34.3	32.4

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
581	MO	Callaway . . . . .	1134	34.3	35.8	422	MS	Coahoma . . . . .	701	22.1	14.4
591	MO	Buchanan . . . . .	978	17.1	11.6	422	MS	Tallahatchie . . . . .	701	22.1	41.0
591	MO	Nodaway . . . . .	978	17.1	13.3	422	MS	Quitman . . . . .	701	22.1	22.0
591	MO	Andrew . . . . .	978	17.1	11.6	431	MS	Warren . . . . .	710	15.2	11.3
591	KS	Doniphan . . . . .	978	17.1	34.2	431	MS	Claiborne . . . . .	710	15.2	24.2
591	MO	DeKalb . . . . .	978	17.1	48.6	431	LA	Madison . . . . .	812	15.2	19.1
591	MO	Gentry . . . . .	978	17.1	14.5	435	MS	Adams . . . . .	714	19.7	10.7
591	MO	Worth . . . . .	978	17.1	12.4	435	LA	Concordia . . . . .	714	19.7	18.0
591	MO	Harrison . . . . .	1145	17.1	34.2	435	LA	Tensas . . . . .	714	19.7	30.9
599	MO	St. Charles . . . . .	989	28.4	29.2	435	MS	Franklin . . . . .	838	19.7	29.6
599	MO	Lincoln . . . . .	989	28.4	20.4	435	MS	Jefferson . . . . .	839	19.7	30.7
599	MO	Warren . . . . .	989	28.4	37.3	455	MS	Jones . . . . .	736	25.3	19.7
607	MO	Henry . . . . .	1000	27.4	23.9	455	MS	Jasper . . . . .	736	25.3	28.3
607	MO	St. Clair . . . . .	1000	27.4	19.0	455	MS	Smith . . . . .	736	25.3	51.1
607	MO	Bates . . . . .	1159	27.4	36.4	455	MS	Wayne . . . . .	837	25.3	24.2
627	MO	Pulaski . . . . .	1027	38.2	61.9	456	MS	Harrison . . . . .	737	13.4	8.7
627	MO	Phelps . . . . .	1027	38.2	25.0	456	MS	Hancock . . . . .	737	13.4	22.5
627	MO	Dent . . . . .	1027	38.2	28.8	456	MS	Stone . . . . .	843	13.4	35.0
627	MO	Reynolds . . . . .	1101	38.2	52.6	459	MS	Lafayette . . . . .	741	24.3	13.1
639	MO	Vernon . . . . .	1046	46.5	38.7	459	MS	Calhoun . . . . .	741	24.3	24.6
639	MO	Cedar . . . . .	1046	46.5	55.2	459	MS	Yalobusha . . . . .	741	24.3	36.3
656	MO	Pettis . . . . .	1080	32.6	10.6	461	MS	Lowndes . . . . .	743	19.7	10.1
656	MO	Morgan . . . . .	1080	32.6	68.0	461	AL	Lamar . . . . .	743	19.7	43.3
656	MO	Benton . . . . .	1080	32.6	58.1	461	MS	Noxubee . . . . .	743	19.7	21.6
656	MO	Saline . . . . .	1081	32.6	26.6	461	MS	Clay . . . . .	889	19.7	15.7
657	MO	Carroll . . . . .	1102	36.4	40.6	471	MS	Jackson . . . . .	755	16.9	13.6
657	MO	Livingston . . . . .	1103	36.4	33.2	471	MS	George . . . . .	755	16.9	31.8
663	MO	Madison . . . . .	1175	41.5	41.5	477	MS	Pike . . . . .	762	27.1	16.1
666	MO	Audrain . . . . .	1178	38.7	16.3	477	MS	Walthall . . . . .	762	27.1	21.4
666	MO	Montgomery . . . . .	1178	38.7	59.0	477	MS	Amite . . . . .	762	27.1	57.4
666	MO	Monroe . . . . .	1178	38.7	72.6	477	MS	Marion . . . . .	846	27.1	33.1
673	MO	Linn . . . . .	1185	35.2	35.2	482	MS	Union . . . . .	768	33.1	22.6
676	MO	Taney . . . . .	1188	31.7	31.7	482	MS	Pontotoc . . . . .	768	33.1	39.0
678	MO	Atchison . . . . .	1190	40.2	27.8	482	MS	Tippah . . . . .	856	33.1	39.5
678	MO	Holt . . . . .	1190	40.2	53.2	484	MS	Oktibbeha . . . . .	775	28.7	26.3
683	MO	Grundy . . . . .	1195	41.5	35.4	484	MS	Webster . . . . .	775	28.7	26.1
683	MO	Mercer . . . . .	1195	41.5	64.5	484	MS	Choctaw . . . . .	775	28.7	30.4
685	MO	Camden . . . . .	1197	47.2	47.2	484	MS	Winston . . . . .	865	28.7	32.9
409	MS	Forrest . . . . .	688	12.4	6.2	487	MS	Bolivar . . . . .	778	22.2	28.7
409	MS	Lamar . . . . .	688	12.4	11.1	487	MS	Sunflower . . . . .	778	22.2	18.5
409	MS	Perry . . . . .	688	12.4	11.7	487	MS	Leflore . . . . .	796	22.2	14.5
409	MS	Greene . . . . .	688	12.4	46.2	487	MS	Humphreys . . . . .	796	22.2	37.7
409	MS	Covington . . . . .	823	12.4	21.1	488	MS	Washington . . . . .	780	16.7	12.9
411	MS	Hinds . . . . .	690	8.1	6.0	488	MS	Sharkey . . . . .	780	16.7	33.2
411	MS	Rankin . . . . .	690	8.1	4.2	488	MS	Issaquena . . . . .	780	16.7	52.2
411	MS	Madison . . . . .	690	8.1	3.9	498	MS	Alcorn . . . . .	793	29.6	20.8
411	MS	Scott . . . . .	690	8.1	16.1	498	MS	Tishomingo . . . . .	793	29.6	42.1
411	MS	Leake . . . . .	814	8.1	17.9	502	MS	Grenada . . . . .	799	30.5	24.5
411	MS	Simpson . . . . .	860	8.1	4.1	502	MS	Montgomery . . . . .	799	30.5	27.7
411	MS	Attala . . . . .	867	8.1	11.2	502	MS	Carroll . . . . .	799	30.5	57.0
411	MS	Holmes . . . . .	868	8.1	15.3	504	MS	Jefferson Davis . . . . .	801	45.2	55.9
412	MS	Lauderdale . . . . .	691	10.6	3.9	504	MS	Lawrence . . . . .	801	45.2	38.2
412	MS	Neshoba . . . . .	691	10.6	15.0	511	MS	Copiah . . . . .	817	36.9	43.4
412	MS	Newton . . . . .	691	10.6	11.2	511	MS	Lincoln . . . . .	818	36.9	31.2
412	AL	Choctaw . . . . .	691	10.6	18.6	525	MS	Wilkinson . . . . .	908	37.5	37.5
412	AL	Sumter . . . . .	691	10.6	28.2	533	MS	Yazoo . . . . .	916	33.2	33.2
412	MS	Kemper . . . . .	691	10.6	7.8	691	MT	Rosebud . . . . .	1203	6.4	23.2
412	MS	Clarke . . . . .	855	10.6	12.1	691	MT	Big Horn . . . . .	1203	6.4	7.7
418	MS	Lee . . . . .	697	23.2	9.0	691	MT	Treasure . . . . .	1203	6.4	12.2
418	MS	Monroe . . . . .	697	23.2	59.1	691	MT	Yellowstone . . . . .	1208	6.4	5.5
418	MS	Prentiss . . . . .	697	23.2	11.4	691	MT	Carbon . . . . .	1208	6.4	4.5
418	MS	Itawamba . . . . .	697	23.2	11.9	691	MT	Stillwater . . . . .	1208	6.4	7.1
418	MS	Chickasaw . . . . .	877	23.2	16.3						

Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
691	MT	Golden Valley . . . . .	1208	6.4	12.0	170	NC	Person . . . . .	273	11.0	5.9
691	MT	Musselshell . . . . .	1298	6.4	3.5	170	NC	Vance . . . . .	417	11.0	15.8
						170	NC	Warren . . . . .	417	11.0	35.9
692	MT	Cascade . . . . .	1204	6.5	4.4	186	NC	Guilford . . . . .	289	13.3	8.8
692	MT	Pondera . . . . .	1204	6.5	5.3	186	NC	Randolph . . . . .	289	13.3	13.8
692	MT	Teton . . . . .	1204	6.5	5.7	186	NC	Rockingham . . . . .	289	13.3	11.5
692	MT	Chouteau . . . . .	1204	6.5	17.5	186	NC	Davidson . . . . .	444	13.3	26.6
692	MT	Judith Basin . . . . .	1204	6.5	37.8	192	NC	Iredell . . . . .	298	13.5	12.1
692	MT	Toole . . . . .	1311	6.5	7.8	192	NC	Alexander . . . . .	298	13.5	18.5
692	MT	Glacier . . . . .	1345	6.5	6.6						
712	MT	Hill . . . . .	1225	25.4	20.5	194	NC	Watauga . . . . .	301	25.4	23.3
712	MT	Blaine . . . . .	1225	25.4	25.8	194	TN	Johnson . . . . .	301	25.4	35.6
712	MT	Liberty . . . . .	1225	25.4	29.7	194	NC	Ashe . . . . .	405	25.4	19.6
712	MT	Phillips . . . . .	1316	25.4	35.5						
713	MT	Missoula . . . . .	1226	9.3	5.9	195	NC	Pitt . . . . .	303	13.8	14.5
713	MT	Mineral . . . . .	1226	9.3	5.5	195	NC	Beaufort . . . . .	303	13.8	9.2
713	MT	Granite . . . . .	1226	9.3	31.5	195	NC	Martin . . . . .	303	13.8	8.9
713	MT	Lake . . . . .	1320	9.3	15.7	195	NC	Washington . . . . .	303	13.8	16.2
713	MT	Sanders . . . . .	1321	9.3	15.2	195	NC	Hyde . . . . .	303	13.8	19.8
713	MT	Ravalli . . . . .	1326	9.3	5.7	195	NC	Tyrrell . . . . .	303	13.8	58.7
714	MT	Custer . . . . .	1227	25.1	15.6	198	NC	Wake . . . . .	308	14.4	12.2
714	MT	Fallon . . . . .	1227	25.1	32.6	198	NC	Franklin . . . . .	308	14.4	23.5
714	MT	Powder River . . . . .	1227	25.1	51.0	198	NC	Johnston . . . . .	350	14.4	19.7
714	MT	Carter . . . . .	1227	25.1	23.7	198	NC	Wilson . . . . .	350	14.4	10.6
714	MT	Prairie . . . . .	1227	25.1	32.7	203	NC	Orange . . . . .	313	28.2	37.6
714	MT	Garfield . . . . .	1227	25.1	44.6	203	NC	Chatham . . . . .	313	28.2	18.8
721	MT	Lewis And Clark . . . . .	1234	19.2	15.7	203	NC	Harnett . . . . .	358	28.2	30.1
721	MT	Jefferson . . . . .	1234	19.2	53.8	203	NC	Lee . . . . .	358	28.2	23.0
721	MT	Broadwater . . . . .	1234	19.2	8.0	205	NC	Moore . . . . .	315	17.0	15.3
728	MT	Flathead . . . . .	1242	12.8	11.4	205	NC	Richmond . . . . .	315	17.0	15.2
728	MT	Lincoln . . . . .	1242	12.8	17.9	205	NC	Montgomery . . . . .	315	17.0	15.5
733	MT	Sheridan . . . . .	1247	25.8	20.6	205	NC	Hoke . . . . .	315	17.0	43.1
733	MT	Daniels . . . . .	1247	25.8	42.7	207	NC	Robeson . . . . .	317	28.6	23.3
742	MT	Silver Bow . . . . .	1257	12.6	10.7	207	NC	Scotland . . . . .	317	28.6	29.0
742	MT	Deer Lodge . . . . .	1257	12.6	18.4	207	NC	Columbus . . . . .	359	28.6	36.3
742	MT	Beaverhead . . . . .	1344	12.6	10.0	207	NC	Bladen . . . . .	359	28.6	26.6
756	MT	Park . . . . .	1273	29.8	26.4	209	NC	Jackson . . . . .	319	20.1	19.5
756	MT	Sweet Grass . . . . .	1273	29.8	43.7	209	NC	Macon . . . . .	319	20.1	19.1
767	MT	Dawson . . . . .	1287	27.0	30.2	209	NC	Swain . . . . .	319	20.1	16.7
767	MT	McCone . . . . .	1287	27.0	29.5	209	NC	Graham . . . . .	319	20.1	32.7
767	MT	Wibaux . . . . .	1287	27.0	42.7	214	NC	Nash . . . . .	324	21.5	27.8
767	MT	Richland . . . . .	1347	27.0	21.8	214	NC	Edgecombe . . . . .	324	21.5	17.4
773	MT	Gallatin . . . . .	1305	19.7	15.1	214	NC	Halifax . . . . .	324	21.5	13.8
773	MT	Madison . . . . .	1306	19.7	35.4	214	NC	Northampton . . . . .	324	21.5	39.0
778	MT	Meagher . . . . .	1330	43.4	36.0	218	NC	Gaston . . . . .	331	19.1	23.2
778	MT	Wheatland . . . . .	1331	43.4	51.7	218	NC	Lincoln . . . . .	331	19.1	34.2
779	MT	Roosevelt . . . . .	1336	23.5	27.6	218	NC	Cleveland . . . . .	368	19.1	10.1
779	MT	Valley . . . . .	1337	23.5	18.1	218	NC	Rutherford . . . . .	368	19.1	14.2
788	MT	Powell . . . . .	1389	48.3	48.3	225	NC	Buncombe . . . . .	340	7.0	5.3
810	MT	Fergus . . . . .	1411	26.2	24.6	225	NC	Henderson . . . . .	340	7.0	9.1
810	MT	Petroleum . . . . .	1411	26.2	64.3	225	NC	Transylvania . . . . .	340	7.0	9.5
149	NC	Forsyth . . . . .	251	7.1	6.6	225	NC	Madison . . . . .	340	7.0	17.1
149	NC	Surry . . . . .	251	7.1	4.3	225	NC	Haywood . . . . .	448	7.0	4.8
149	NC	Stokes . . . . .	251	7.1	11.6	229	NC	Catawba . . . . .	348	11.7	14.5
149	NC	Yadkin . . . . .	251	7.1	6.9	229	NC	Burke . . . . .	348	11.7	12.0
149	NC	Davie . . . . .	251	7.1	13.2	229	NC	Caldwell . . . . .	348	11.7	8.1
167	NC	Mecklenburg . . . . .	270	8.7	8.7	235	NC	Rowan . . . . .	362	16.1	16.3
167	NC	Union . . . . .	270	8.7	5.7	235	NC	Cabarrus . . . . .	362	16.1	14.8
167	NC	Anson . . . . .	270	8.7	13.7	235	NC	Stanly . . . . .	423	16.1	18.1
168	NC	New Hanover . . . . .	271	11.0	7.3	238	NC	Lenoir . . . . .	365	22.6	11.7
168	NC	Brunswick . . . . .	271	11.0	19.8	238	NC	Duplin . . . . .	365	22.6	45.8
168	NC	Pender . . . . .	271	11.0	9.2	238	NC	Greene . . . . .	365	22.6	57.6
170	NC	Durham . . . . .	273	11.0	6.8	238	NC	Wayne . . . . .	392	22.6	15.8
170	NC	Granville . . . . .	273	11.0	11.2	240	NC	Yancey . . . . .	369	28.7	45.0
						240	NC	Avery . . . . .	369	28.7	18.2
						240	NC	Mitchell . . . . .	369	28.7	25.7

Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
242	NC	Craven . . . . .	373	15.4	12.1	638	ND	Rolette . . . . .	1045	29.3	28.9
242	NC	Carteret . . . . .	373	15.4	10.6	638	ND	Towner . . . . .	1045	29.3	32.7
242	NC	Pamlico . . . . .	373	15.4	11.3	638	ND	Pierce . . . . .	1146	29.3	28.0
242	NC	Jones . . . . .	373	15.4	31.2	655	ND	Eddy . . . . .	1075	38.4	35.7
242	NC	Onslow . . . . .	402	15.4	23.7	655	ND	Ramsey . . . . .	1076	38.4	26.2
243	NC	Chowan . . . . .	374	30.2	22.3	655	ND	Benson . . . . .	1076	38.4	62.8
243	NC	Hertford . . . . .	439	30.2	26.0	670	ND	Grant . . . . .	1182	31.7	31.7
243	NC	Bertie . . . . .	439	30.2	27.9	680	ND	Dickey . . . . .	1192	45.8	26.7
243	NC	Gates . . . . .	439	30.2	64.0	680	ND	La Moure . . . . .	1192	45.8	75.1
256	NC	Wilkes . . . . .	455	30.3	30.3	684	ND	McIntosh . . . . .	1196	30.3	22.2
258	NC	Cherokee . . . . .	457	46.4	39.6	684	ND	Logan . . . . .	1196	30.3	46.0
258	NC	Clay . . . . .	457	46.4	63.7	542	NE	Douglas . . . . .	925	8.3	4.5
261	NC	McDowell . . . . .	460	26.5	26.5	542	NE	Sarpy . . . . .	925	8.3	4.4
262	NC	Cumberland . . . . .	461	19.2	14.2	542	NE	Cass . . . . .	925	8.3	31.8
262	NC	Sampson . . . . .	1417	19.2	28.6	542	NE	Washington . . . . .	925	8.3	3.8
264	NC	Pasquotank . . . . .	463	32.7	17.5	542	NE	Burt . . . . .	925	8.3	12.5
264	NC	Dare . . . . .	463	32.7	56.7	542	NE	Dodge . . . . .	1014	8.3	4.9
264	NC	Perquimans . . . . .	463	32.7	44.4	542	NE	Saunders . . . . .	1014	8.3	38.0
264	NC	Camden . . . . .	463	32.7	24.5	542	NE	Cuming . . . . .	1115	8.3	28.0
267	NC	Alamance . . . . .	466	26.4	26.4	542	NE	Colfax . . . . .	1172	8.3	18.4
543	ND	Burleigh . . . . .	926	10.7	6.5	555	NE	Hall . . . . .	939	15.3	11.8
543	ND	Morton . . . . .	926	10.7	8.0	555	NE	Merrick . . . . .	939	15.3	21.0
543	ND	Mercer . . . . .	926	10.7	5.7	555	NE	Howard . . . . .	939	15.3	12.5
543	ND	Sloux . . . . .	926	10.7	14.9	555	NE	Greeley . . . . .	939	15.3	39.6
543	ND	Kidder . . . . .	926	10.7	19.4	555	NE	Hamilton . . . . .	1120	15.3	15.0
543	ND	Oliver . . . . .	926	10.7	7.0	559	NE	Holt . . . . .	944	30.7	31.6
543	ND	McLean . . . . .	1095	10.7	22.6	559	NE	Brown . . . . .	944	30.7	26.9
543	ND	Sheridan . . . . .	1095	10.7	20.8	559	NE	Rock . . . . .	944	30.7	22.7
543	ND	Emmons . . . . .	1139	10.7	8.4	559	NE	Keya Paha . . . . .	944	30.7	47.7
547	ND	Cass . . . . .	930	9.1	6.6	561	NE	Lancaster . . . . .	946	8.0	7.5
547	MN	Clay . . . . .	930	9.1	4.0	561	NE	Seward . . . . .	946	8.0	7.0
547	MN	Norman . . . . .	930	9.1	10.3	561	NE	Saline . . . . .	946	8.0	6.3
547	ND	Ransom . . . . .	930	9.1	4.3	561	NE	Gage . . . . .	1026	8.0	6.7
547	ND	Sargent . . . . .	930	9.1	19.9	561	NE	Jefferson . . . . .	1026	8.0	10.2
547	ND	Steele . . . . .	930	9.1	19.0	561	NE	Butler . . . . .	1133	8.0	16.7
547	MN	Becker . . . . .	1017	9.1	12.9	564	NE	Adams . . . . .	949	16.7	13.2
547	MN	Mahnomen . . . . .	1017	9.1	10.6	564	NE	Clay . . . . .	949	16.7	36.5
547	ND	Barnes . . . . .	1100	9.1	6.2	564	NE	Nuckolls . . . . .	949	16.7	12.6
547	ND	Griggs . . . . .	1147	9.1	20.2	564	NE	Webster . . . . .	949	16.7	12.0
547	ND	Trall . . . . .	1170	9.1	16.7	570	NE	Buffalo . . . . .	955	19.3	14.1
547	ND	Richland . . . . .	1189	9.1	5.2	570	NE	Kearney . . . . .	955	19.3	27.2
547	MN	Wilkin . . . . .	1189	9.1	20.8	570	NE	Sherman . . . . .	955	19.3	40.2
550	ND	Ward . . . . .	933	14.3	7.3	570	NE	Dawson . . . . .	1132	19.3	9.3
550	ND	Bottineau . . . . .	933	14.3	11.9	570	NE	Frontier . . . . .	1132	19.3	62.2
550	ND	Mountrail . . . . .	933	14.3	19.9	570	NE	Gosper . . . . .	1132	19.3	23.3
550	ND	McHenry . . . . .	933	14.3	28.1	570	NE	Franklin . . . . .	1165	19.3	24.0
550	ND	Renville . . . . .	933	14.3	12.0	577	NE	Madison . . . . .	962	19.4	20.2
550	ND	Burke . . . . .	933	14.3	38.3	577	NE	Antelope . . . . .	962	19.4	17.7
579	ND	Williams . . . . .	964	17.4	15.0	577	NE	Pierce . . . . .	962	19.4	18.5
579	ND	McKenzie . . . . .	964	17.4	25.1	577	NE	Stanton . . . . .	962	19.4	17.8
579	ND	Divide . . . . .	964	17.4	18.0	577	NE	Wayne . . . . .	1157	19.4	20.7
584	ND	Grand Forks . . . . .	970	14.9	12.0	580	NE	Scott Bluff . . . . .	966	14.2	8.7
584	ND	Walsh . . . . .	970	14.9	10.5	580	NE	Box Butte . . . . .	966	14.2	14.8
584	ND	Nelson . . . . .	970	14.9	27.9	580	NE	Morrill . . . . .	966	14.2	8.7
584	ND	Pembina . . . . .	984	14.9	9.4	580	NE	Garden . . . . .	966	14.2	14.7
584	ND	Cavalier . . . . .	984	14.9	18.0	580	NE	Banner . . . . .	966	14.2	11.1
584	MN	Polk . . . . .	1116	14.9	17.8	580	NE	Grant . . . . .	966	14.2	28.3
605	ND	Stark . . . . .	997	19.2	15.4	580	MN	Morrison . . . . .	1067	19.8	20.2
605	ND	Dunn . . . . .	997	19.2	27.0	580	MN	Todd . . . . .	1068	19.8	39.2
605	ND	Golden Valley . . . . .	997	19.2	30.0	580	WY	Goshen . . . . .	1300	14.2	17.9
605	ND	Billings . . . . .	997	19.2	50.0	580	WY	Niobrara . . . . .	1301	14.2	41.8
632	ND	Stutsman . . . . .	1033	30.7	25.6	593	NE	Lincoln . . . . .	980	21.0	18.4
632	ND	Foster . . . . .	1033	30.7	27.9	593	NE	Keith . . . . .	980	21.0	33.0
632	ND	Wells . . . . .	1160	30.7	42.6	593	NE	Perkins . . . . .	980	21.0	12.9
						593	NE	Hooker . . . . .	980	21.0	32.6

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
593	NE	McPherson . . . . .	980	21.0	33.3	93	NJ	Warren . . . . .	113	28.0	27.3
593	NE	Arthur . . . . .	980	21.0	16.7	108	NJ	Monmouth . . . . .	133	14.9	13.4
594	NE	Valley . . . . .	983	34.6	43.4	108	NJ	Ocean . . . . .	133	14.9	16.1
594	NE	Garfield . . . . .	983	34.6	31.8	126	NJ	Mercer . . . . .	228	10.6	10.6
594	NE	Wheeler . . . . .	983	34.6	52.5	127	NJ	Cumberland . . . . .	229	17.6	17.6
594	NE	Custer . . . . .	1092	34.6	30.4	508	NM	Lea . . . . .	806	29.2	23.8
594	NE	Logan . . . . .	1092	34.6	61.8	508	TX	Andrews . . . . .	806	29.2	22.9
594	NE	Thomas . . . . .	1092	34.6	57.9	508	TX	Gaines . . . . .	806	29.2	55.7
594	NE	Loup . . . . .	1092	34.6	19.0	693	NM	Bernalillo . . . . .	1205	6.8	6.2
594	NE	Blaine . . . . .	1092	34.6	54.8	693	NM	Valencia . . . . .	1205	6.8	5.5
611	NE	York . . . . .	1005	30.9	28.2	693	NM	Sandoval . . . . .	1205	6.8	14.1
611	NE	Polk . . . . .	1005	30.9	34.5	693	NM	Socorro . . . . .	1205	6.8	5.0
613	KS	Decatur . . . . .	1008	36.3	25.1	693	NM	Torrance . . . . .	1205	6.8	8.4
613	KS	Sheridan . . . . .	1008	36.3	42.0	724	NM	Santa Fe . . . . .	1237	12.1	12.4
613	NE	Red Willow . . . . .	1161	36.3	34.0	724	NM	Rio Arriba . . . . .	1237	12.1	9.2
613	NE	Hitchcock . . . . .	1161	36.3	57.9	724	NM	Los Alamos . . . . .	1237	12.1	16.7
616	NE	Phelps . . . . .	1012	22.0	12.4	724	NM	Taos . . . . .	1353	12.1	13.6
616	NE	Furnas . . . . .	1012	22.0	28.3	725	NM	Curry . . . . .	1238	20.5	16.1
616	NE	Harlan . . . . .	1012	22.0	35.0	725	NM	Roosevelt . . . . .	1238	20.5	22.8
628	NE	Richardson . . . . .	1028	32.2	31.2	725	NM	De Baca . . . . .	1238	20.5	24.6
628	NE	Pawnee . . . . .	1028	32.2	34.3	725	NM	Quay . . . . .	1380	20.5	27.6
651	NE	Boone . . . . .	1062	36.4	47.7	732	NM	Dona Ana . . . . .	1246	19.3	19.9
651	NE	Platte . . . . .	1063	36.4	32.1	732	NM	Luna . . . . .	1246	19.3	15.8
651	NE	Nance . . . . .	1096	36.4	36.5	732	NM	Sierra . . . . .	1307	19.3	21.2
654	NE	Chase . . . . .	1073	34.4	24.7	740	AZ	Navajo . . . . .	1255	24.6	49.3
654	NE	Hayes . . . . .	1073	34.4	63.9	740	UT	San Juan . . . . .	1255	24.6	23.0
654	NE	Dundy . . . . .	1074	34.4	43.9	740	CO	La Plata . . . . .	1292	24.6	11.9
658	NE	Fillmore . . . . .	1105	40.8	33.4	740	CO	Archuleta . . . . .	1292	24.6	21.9
658	NE	Thayer . . . . .	1106	40.8	48.6	740	CO	San Juan . . . . .	1292	24.6	41.7
660	NE	Johnson . . . . .	1113	39.6	32.4	740	CO	Montezuma . . . . .	1293	24.6	6.5
660	NE	Otoe . . . . .	1114	39.6	42.6	740	CO	Dolores . . . . .	1293	24.6	25.3
668	NE	Cherry . . . . .	1180	59.0	59.0	740	NM	San Juan . . . . .	1354	24.6	13.6
687	NE	Nemaha . . . . .	1199	32.2	32.2	765	NM	McKinley . . . . .	1285	21.7	13.8
15	NH	Grafton . . . . .	17	13.3	18.3	765	AZ	Apache . . . . .	1285	21.7	30.0
15	VT	Windsor . . . . .	17	13.3	11.0	769	NM	Otero . . . . .	1289	19.8	15.3
15	VT	Orange . . . . .	17	13.3	8.0	769	NM	Lincoln . . . . .	1289	19.8	31.3
15	VT	Washington . . . . .	190	13.3	11.1	772	NM	Chaves . . . . .	1303	8.6	7.5
15	NH	Sullivan . . . . .	215	13.3	13.8	772	NM	Eddy . . . . .	1304	8.6	9.7
90	NH	Cheshire . . . . .	105	25.4	23.0	793	NM	Grant . . . . .	1394	28.2	22.1
90	VT	Windham . . . . .	105	25.4	29.6	793	NM	Hidalgo . . . . .	1394	28.2	44.9
91	NH	Merrimack . . . . .	108	14.0	11.4	793	NM	Catron . . . . .	1394	28.2	59.5
91	NH	Belknap . . . . .	108	14.0	14.9	801	NM	San Miguel . . . . .	1402	26.3	25.5
91	NH	Hillsborough . . . . .	169	14.0	11.6	801	NM	Mora . . . . .	1402	26.3	14.3
91	NH	Carroll . . . . .	210	14.0	31.6	801	NM	Guadalupe . . . . .	1402	26.3	28.3
138	NH	Coos . . . . .	240	17.2	12.9	801	NM	Harding . . . . .	1402	26.3	76.7
138	VT	Essex . . . . .	240	17.2	49.8	814	NM	Union . . . . .	1415	23.6	23.6
23	NJ	Camden . . . . .	25	13.2	11.8	701	NV	Washoe . . . . .	1214	11.8	11.2
23	NJ	Gloucester . . . . .	25	13.2	12.3	701	NV	Churchill . . . . .	1214	11.8	9.0
23	NJ	Salem . . . . .	25	13.2	14.8	701	NV	Humboldt . . . . .	1214	11.8	20.8
23	NJ	Burlington . . . . .	184	13.2	15.5	701	NV	Pershing . . . . .	1214	11.8	6.7
36	NJ	Bergen . . . . .	39	14.0	13.0	701	NV	Storey . . . . .	1214	11.8	8.8
36	NJ	Passaic . . . . .	39	14.0	20.3	701	NV	Ormsby . . . . .	1265	11.8	11.2
36	NJ	Hudson . . . . .	208	14.0	10.7	701	NV	Douglas . . . . .	1265	11.8	29.8
64	NJ	Atlantic . . . . .	71	18.9	18.3	701	NV	Lyon . . . . .	1265	11.8	6.7
64	NJ	Cape May . . . . .	71	18.9	19.9	701	CA	Alpine . . . . .	1265	11.8	43.7
66	NJ	Middlesex . . . . .	73	11.5	18.0	701	NV	Mineral . . . . .	1332	11.8	2.6
66	NJ	Somerset . . . . .	73	11.5	22.7	707	NV	Clark . . . . .	1220	10.1	8.7
66	NJ	Essex . . . . .	111	11.5	8.1	707	UT	Washington . . . . .	1220	10.1	12.5
66	NJ	Union . . . . .	111	11.5	6.9	707	NV	Nye . . . . .	1220	10.1	24.4
87	NJ	Morris . . . . .	99	23.0	24.9	707	NV	Lincoln . . . . .	1220	10.1	15.4
87	NJ	Sussex . . . . .	99	23.0	17.1	707	NV	Esmeralda . . . . .	1220	10.1	52.6
93	NJ	Hunterdon . . . . .	113	28.0	29.1	707	UT	Kane . . . . .	1290	10.1	21.8
						707	UT	Garfield . . . . .	1290	10.1	27.9
						707	UT	Piute . . . . .	1290	10.1	48.7

Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
720	NV	Elko . . . . .	1233	29.8	27.7	88	NY	Schenectady . . . . .	198	18.4	10.6
720	NV	Lander . . . . .	1233	29.8	34.2	94	NY	New York . . . . .	114	11.9	11.0
720	NV	Eureka . . . . .	1233	29.8	44.8	94	NY	Bronx . . . . .	114	11.9	12.8
805	NV	White Pine . . . . .	1406	38.0	38.0	105	NY	Tompkins . . . . .	128	12.2	13.1
10	NY	Albany . . . . .	11	10.0	8.8	105	NY	Cortland . . . . .	128	12.2	11.0
10	NY	Rensselaer . . . . .	11	10.0	9.4	113	NY	Kings . . . . .	166	19.4	21.5
10	VT	Bennington . . . . .	141	10.0	20.9	113	NY	Richmond . . . . .	167	19.4	8.0
19	PA	Bradford . . . . .	21	11.7	16.0	133	NY	Rockland . . . . .	235	15.3	15.3
19	NY	Tioga . . . . .	21	11.7	11.6	24	OH	Belmont . . . . .	26	8.7	5.7
19	PA	Sullivan . . . . .	21	11.7	53.0	24	WV	Ohio . . . . .	26	8.7	5.3
19	NY	Broome . . . . .	84	11.7	5.3	24	OH	Monroe . . . . .	26	8.7	23.4
19	PA	Susquehanna . . . . .	84	11.7	31.0	24	WV	Wetzel . . . . .	46	8.7	20.7
21	NY	Ontario . . . . .	23	16.8	14.6	24	WV	Tyler . . . . .	46	8.7	22.0
21	NY	Seneca . . . . .	23	16.8	20.1	24	WV	Marshall . . . . .	142	8.7	5.5
21	NY	Wayne . . . . .	151	16.8	16.6	270	OH	Hamilton . . . . .	469	6.6	3.3
21	NY	Yates . . . . .	195	16.8	18.6	270	OH	Clermont . . . . .	469	6.6	3.7
35	PA	McKean . . . . .	38	20.6	14.6	270	OH	Warren . . . . .	469	6.6	37.0
35	PA	Potter . . . . .	38	20.6	19.4	270	OH	Brown . . . . .	469	6.6	15.3
35	PA	Cameron . . . . .	38	20.6	56.7	270	OH	Adams . . . . .	593	6.6	21.5
35	NY	Cattaraugus . . . . .	89	20.6	24.7	270	OH	Butler . . . . .	672	6.6	6.0
35	NY	Allegany . . . . .	89	20.6	17.0	270	IN	Franklin . . . . .	672	6.6	60.4
41	NY	Westchester . . . . .	44	14.2	12.7	276	OH	Lucas . . . . .	474	7.1	3.1
41	NY	Putnam . . . . .	44	14.2	15.3	276	OH	Wood . . . . .	474	7.1	10.5
41	NY	Dutchess . . . . .	129	14.2	18.0	276	OH	Fulton . . . . .	474	7.1	11.8
41	NY	Ulster . . . . .	129	14.2	17.2	276	OH	Ottawa . . . . .	601	7.1	18.3
54	NY	Monroe . . . . .	60	4.7	5.2	276	MI	Monroe . . . . .	636	7.1	15.6
54	NY	Livingston . . . . .	60	4.7	12.3	281	OH	Franklin . . . . .	479	6.0	4.9
54	NY	Erie . . . . .	94	4.7	4.5	281	OH	Pickaway . . . . .	479	6.0	8.6
54	NY	Genesee . . . . .	94	4.7	3.7	281	OH	Madison . . . . .	479	6.0	14.8
54	NY	Wyoming . . . . .	94	4.7	6.1	281	OH	Fayette . . . . .	600	6.0	9.6
54	NY	Niagara . . . . .	112	4.7	3.4	281	OH	Delaware . . . . .	654	6.0	11.2
54	NY	Orleans . . . . .	112	4.7	3.1	283	OH	Jackson . . . . .	481	16.0	22.4
56	NY	Onondaga . . . . .	62	8.6	6.2	283	OH	Gallia . . . . .	481	16.0	10.1
56	NY	Oswego . . . . .	62	8.6	13.9	283	WV	Mason . . . . .	481	16.0	13.0
56	NY	Cayuga . . . . .	187	8.6	11.9	283	OH	Meigs . . . . .	481	16.0	19.4
58	NY	Otsego . . . . .	64	17.1	8.6	288	OH	Cuyahoga . . . . .	485	4.2	3.2
58	NY	Delaware . . . . .	64	17.1	13.9	288	OH	Lake . . . . .	485	4.2	4.1
58	NY	Schoharie . . . . .	64	17.1	22.9	288	OH	Geauga . . . . .	485	4.2	6.5
58	NY	Chenango . . . . .	181	17.1	31.5	288	OH	Ashtabula . . . . .	610	4.2	18.0
59	NY	Oneida . . . . .	65	11.4	7.3	292	OH	Allen . . . . .	489	12.7	7.5
59	NY	Herkimer . . . . .	65	11.4	10.9	292	OH	Auglaize . . . . .	489	12.7	12.7
59	NY	Madison . . . . .	65	11.4	32.1	292	OH	Putnam . . . . .	489	12.7	15.0
65	NY	Steuben . . . . .	72	13.7	16.0	292	OH	Hardin . . . . .	489	12.7	20.1
65	NY	Chemung . . . . .	72	13.7	10.7	292	OH	Mercer . . . . .	570	12.7	13.5
65	NY	Schuyler . . . . .	72	13.7	13.6	292	OH	Van Wert . . . . .	570	12.7	20.2
76	NY	Fulton . . . . .	86	19.0	13.3	295	OH	Montgomery . . . . .	492	10.5	5.7
76	NY	Montgomery . . . . .	86	19.0	23.3	295	OH	Greene . . . . .	492	10.5	13.8
80	NY	Jefferson . . . . .	91	12.3	10.3	295	OH	Preble . . . . .	492	10.5	52.7
80	NY	Lewis . . . . .	91	12.3	15.3	295	OH	Darke . . . . .	646	10.5	28.6
80	NY	St. Lawrence . . . . .	206	12.3	13.2	337	OH	Ross . . . . .	534	20.0	22.7
81	NY	Clinton . . . . .	92	11.2	7.3	337	OH	Pike . . . . .	534	20.0	20.5
81	NY	Essex . . . . .	92	11.2	17.0	337	OH	Scioto . . . . .	647	20.0	11.9
81	NY	Franklin . . . . .	140	11.2	10.8	337	KY	Lewis . . . . .	647	20.0	59.6
83	NY	Nassau . . . . .	95	14.0	9.0	345	PA	Mercer . . . . .	199	7.8	8.8
83	NY	Suffolk . . . . .	95	14.0	6.9	345	OH	Mahoning . . . . .	541	7.8	8.9
83	NY	Queens . . . . .	177	14.0	21.6	345	OH	Trumbull . . . . .	541	7.8	5.8
86	NY	Orange . . . . .	98	19.2	14.5	346	OH	Clark . . . . .	542	14.9	11.8
86	NY	Sullivan . . . . .	98	19.2	24.7	346	OH	Champaign . . . . .	542	14.9	27.6
86	PA	Pike . . . . .	98	19.2	49.1	347	OH	Stark . . . . .	543	13.5	9.1
88	NY	Saratoga . . . . .	100	18.4	32.3	347	OH	Tuscarawas . . . . .	543	13.5	16.0
88	NY	Washington . . . . .	100	18.4	17.0	347	OH	Carroll . . . . .	543	13.5	18.7
88	NY	Warren . . . . .	100	18.4	9.3	347	OH	Wayne . . . . .	564	13.5	32.6
88	NY	Hamilton . . . . .	100	18.4	68.1	347	OH	Holmes . . . . .	564	13.5	17.1
						352	OH	Summit . . . . .	547	14.5	10.9

Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
352	OH	Portage . . . . .	547	14.5	22.8	440	OK	Beckham . . . . .	720	23.5	22.6
352	OH	Medina . . . . .	624	14.5	28.6	440	OK	Roger Mills . . . . .	720	23.5	26.7
354	OH	Marion . . . . .	549	18.2	9.4	445	OK	Muskogee . . . . .	726	22.0	14.3
354	OH	Wyandot . . . . .	549	18.2	30.0	445	OK	Wagoner . . . . .	726	22.0	32.8
354	OH	Crawford . . . . .	606	18.2	15.9	445	OK	McIntosh . . . . .	726	22.0	28.7
354	OH	Morrow . . . . .	607	18.2	23.9	445	OK	Cherokee . . . . .	774	22.0	17.7
354	OH	Union . . . . .	630	18.2	24.8	445	OK	Adair . . . . .	774	22.0	33.8
356	OH	Defiance . . . . .	552	27.7	22.5	451	OK	Washington . . . . .	732	17.7	16.6
356	OH	Henry . . . . .	552	27.7	42.9	451	KS	Montgomery . . . . .	732	17.7	15.6
356	OH	Paulding . . . . .	635	27.7	35.6	451	OK	Nowata . . . . .	732	17.7	14.7
356	OH	Williams . . . . .	675	27.7	18.7	451	KS	Chautauqua . . . . .	732	17.7	15.8
360	OH	Jefferson . . . . .	556	34.1	30.8	451	KS	Elk . . . . .	732	17.7	56.2
360	OH	Harrison . . . . .	556	34.1	51.8	466	OK	Pittsburg . . . . .	749	24.7	23.9
366	OH	Erie . . . . .	566	15.4	7.3	466	OK	Latimer . . . . .	749	24.7	27.1
366	OH	Huron . . . . .	566	15.4	12.8	466	OK	Pushmataha . . . . .	853	24.7	25.4
366	OH	Sandusky . . . . .	611	15.4	27.1	469	OK	Woodward . . . . .	752	29.4	25.0
366	OH	Lorain . . . . .	669	15.4	16.3	469	OK	Ellis . . . . .	752	29.4	15.0
368	OH	Fairfield . . . . .	569	31.1	30.6	469	OK	Harper . . . . .	752	29.4	25.2
368	OH	Hocking . . . . .	569	31.1	19.3	469	TX	Lipscomb . . . . .	752	29.4	50.8
368	OH	Athens . . . . .	670	31.1	31.9	469	OK	Dewey . . . . .	864	29.4	39.2
368	OH	Vinton . . . . .	670	31.1	65.4	472	OK	Payne . . . . .	756	28.3	20.4
369	OH	Richland . . . . .	572	19.0	19.9	472	OK	Pawnee . . . . .	756	28.3	39.9
369	OH	Ashland . . . . .	572	19.0	16.6	472	OK	Noble . . . . .	756	28.3	45.3
372	OH	Clinton . . . . .	576	28.1	22.2	474	OK	Carter . . . . .	758	18.8	15.3
372	OH	Highland . . . . .	576	28.1	34.9	474	OK	Love . . . . .	758	18.8	16.4
376	OH	Miami . . . . .	580	18.3	17.5	474	OK	Johnston . . . . .	847	18.8	28.1
376	OH	Shelby . . . . .	580	18.3	20.5	474	OK	Marshall . . . . .	848	18.8	23.3
377	OH	Muskingum . . . . .	581	15.9	5.8	475	OK	Custer . . . . .	760	39.7	29.3
377	OH	Guernsey . . . . .	581	15.9	14.9	475	OK	Washita . . . . .	760	39.7	55.7
377	OH	Perry . . . . .	581	15.9	28.5	476	OK	Grady . . . . .	761	38.7	29.1
377	OH	Morgan . . . . .	581	15.9	34.2	476	OK	Caddo . . . . .	761	38.7	47.7
377	OH	Noble . . . . .	581	15.9	31.3	478	OK	Pontotoc . . . . .	763	26.7	17.1
377	OH	Coshocton . . . . .	631	15.9	18.5	478	OK	Coal . . . . .	763	26.7	18.0
380	OH	Columbiana . . . . .	584	25.9	20.3	478	OK	Seminole . . . . .	810	26.7	36.9
380	WV	Hancock . . . . .	584	25.9	16.8	478	OK	Hughes . . . . .	810	26.7	31.5
380	WV	Brooke . . . . .	584	25.9	64.6	483	OK	Jackson . . . . .	770	18.2	16.2
386	OH	Hancock . . . . .	594	20.6	16.1	483	OK	Greer . . . . .	770	18.2	18.3
386	OH	Seneca . . . . .	595	20.6	23.8	483	OK	Harmon . . . . .	770	18.2	25.3
388	OH	Knox . . . . .	612	26.3	23.6	493	OK	Comanche . . . . .	787	20.5	10.5
388	OH	Licking . . . . .	613	26.3	27.8	493	OK	Kiowa . . . . .	787	20.5	28.0
388	OH	Licking . . . . .	613	26.3	27.8	493	OK	Cotton . . . . .	787	20.5	39.3
398	OH	Logan . . . . .	677	33.1	33.1	493	OK	Tillman . . . . .	831	20.5	30.4
414	OK	Tulsa . . . . .	693	8.4	5.5	497	OK	Stephens . . . . .	792	31.1	27.0
414	OK	Creek . . . . .	693	8.4	9.0	497	OK	Jefferson . . . . .	792	31.1	46.5
414	OK	Rogers . . . . .	693	8.4	5.6	515	OK	Kay . . . . .	894	25.0	16.3
414	OK	Mayes . . . . .	693	8.4	11.6	515	OK	Osage . . . . .	895	25.0	44.0
414	OK	Ottawa . . . . .	782	8.4	28.1	529	OK	Okmulgee . . . . .	912	34.5	30.3
414	OK	Craig . . . . .	782	8.4	10.0	529	OK	Okfuskee . . . . .	912	34.5	47.1
417	OK	Oklahoma . . . . .	696	7.3	5.6	535	OK	Beaver . . . . .	918	48.3	48.3
417	OK	Canadian . . . . .	696	7.3	8.4	689	OR	Multnomah . . . . .	1201	4.6	3.9
417	OK	Logan . . . . .	696	7.3	11.2	689	OR	Washington . . . . .	1201	4.6	5.3
417	OK	Pottawatomie . . . . .	773	7.3	14.5	689	OR	Clackamas . . . . .	1201	4.6	5.7
417	OK	Lincoln . . . . .	773	7.3	19.6	689	WA	Cowlitz . . . . .	1253	4.6	5.3
429	OK	Garfield . . . . .	708	16.5	8.4	689	OR	Columbia . . . . .	1253	4.6	3.5
429	OK	Major . . . . .	708	16.5	16.0	689	WA	Wahkiakum . . . . .	1253	4.6	6.6
429	OK	Alfalfa . . . . .	708	16.5	16.2	689	OR	Clatsop . . . . .	1318	4.6	5.4
429	OK	Grant . . . . .	708	16.5	25.9	689	WA	Clark . . . . .	1333	4.6	4.7
429	OK	Blaine . . . . .	815	16.5	32.6	705	OR	Marion . . . . .	1218	23.0	23.7
429	OK	Kingfisher . . . . .	816	16.5	21.1	705	OR	Polk . . . . .	1218	23.0	13.0
429	OK	Woods . . . . .	821	16.5	12.9	705	OR	Yamhill . . . . .	1366	23.0	26.0
430	OK	Cleveland . . . . .	709	26.2	23.5	717	WA	Walla Walla . . . . .	1230	12.6	9.5
430	OK	McClain . . . . .	709	26.2	33.2	717	WA	Columbia . . . . .	1230	12.6	13.8
430	OK	Garvin . . . . .	789	26.2	22.2	717	OR	Umatilla . . . . .	1299	12.6	14.8
430	OK	Murray . . . . .	789	26.2	39.9	717	OR	Umatilla . . . . .	1299	12.6	14.8



**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
717	OR	Morrow . . . . .	1299	12.6	16.8	48	MD	Frederick . . . . .	216	13.0	13.7
719	OR	Deschutes . . . . .	1232	12.1	12.0	52	PA	Venango . . . . .	58	22.9	11.6
719	OR	Crook . . . . .	1232	12.1	12.5	52	PA	Clarion . . . . .	58	22.9	35.1
719	OR	Jefferson . . . . .	1232	12.1	11.4	52	PA	Forest . . . . .	58	22.9	62.2
719	OR	Wheeler . . . . .	1232	12.1	23.7	57	PA	Cambria . . . . .	63	9.2	5.8
719	OR	Harney . . . . .	1340	12.1	10.8	57	PA	Somerset . . . . .	63	9.2	13.1
727	OR	Linn . . . . .	1240	16.2	17.5	57	PA	Blair . . . . .	120	9.2	6.6
727	OR	Benton . . . . .	1240	16.2	12.8	57	PA	Bedford . . . . .	120	9.2	24.0
729	OR	Malheur . . . . .	1243	25.7	22.0	72	PA	Franklin . . . . .	80	9.6	9.1
729	ID	Payette . . . . .	1243	25.7	25.4	72	MD	Washington . . . . .	80	9.6	9.2
729	ID	Washington . . . . .	1243	25.7	23.6	72	PA	Fulton . . . . .	80	9.6	16.8
729	ID	Adams . . . . .	1358	25.7	48.8	78	PA	Luzerne . . . . .	88	10.8	7.9
738	CA	Del Norte . . . . .	1252	20.9	32.8	78	PA	Columbia . . . . .	88	10.8	22.3
738	OR	Curry . . . . .	1252	20.9	32.2	78	PA	Wyoming . . . . .	159	10.8	25.9
738	OR	Coos . . . . .	1313	20.9	14.1	84	PA	Lehigh . . . . .	96	9.1	4.6
743	OR	Klamath . . . . .	1258	12.8	11.5	84	PA	Northampton . . . . .	96	9.1	5.0
743	OR	Lake . . . . .	1258	12.8	26.2	84	PA	Carbon . . . . .	175	9.1	30.2
748	OR	Wasco . . . . .	1264	21.3	18.2	84	PA	Monroe . . . . .	191	9.1	16.2
748	WA	Klickitat . . . . .	1264	21.3	19.0	100	PA	Washington . . . . .	122	25.0	21.1
748	WA	Skamania . . . . .	1264	21.3	37.8	100	PA	Fayette . . . . .	122	25.0	29.1
748	OR	Sherman . . . . .	1264	21.3	19.2	100	PA	Greene . . . . .	150	25.0	29.2
748	OR	Gilliam . . . . .	1264	21.3	31.5	106	PA	Erie . . . . .	131	6.7	4.9
748	OR	Hood River . . . . .	1341	21.3	22.6	106	PA	Warren . . . . .	131	6.7	12.0
752	OR	Jackson . . . . .	1269	11.2	6.8	106	NY	Chautauqua . . . . .	186	6.7	7.7
752	OR	Josephine . . . . .	1269	11.2	11.1	110	PA	Huntingdon . . . . .	152	20.0	31.7
752	CA	Siskiyou . . . . .	1373	11.2	22.7	110	PA	Mifflin . . . . .	153	20.0	9.6
759	OR	Union . . . . .	1277	21.4	19.9	110	PA	Juniata . . . . .	153	20.0	27.2
759	OR	Wallowa . . . . .	1277	21.4	22.2	117	PA	Crawford . . . . .	219	22.4	22.4
759	OR	Baker . . . . .	1387	21.4	22.3	125	PA	Eik . . . . .	227	26.6	26.6
782	OR	Douglas . . . . .	1359	9.4	13.2	128	PA	Tioga . . . . .	230	32.6	32.6
782	OR	Lane . . . . .	1360	9.4	7.8	129	PA	Lawrence . . . . .	231	16.4	16.4
783	OR	Lincoln . . . . .	1363	35.0	38.4	139	PA	Berks . . . . .	241	13.7	13.7
783	OR	Tillamook . . . . .	1364	35.0	30.5	140	PA	Lancaster . . . . .	242	7.0	7.0
806	OR	Grant . . . . .	1407	28.8	28.8	20	RI	Providence . . . . .	22	5.8	3.7
8	PA	Schuylkill . . . . .	9	16.5	18.8	20	RI	Kent . . . . .	22	5.8	3.9
8	PA	Northumberland . . . . .	9	16.5	10.0	20	RI	Bristol . . . . .	22	5.8	12.0
8	PA	Snyder . . . . .	9	16.5	23.1	20	CT	New London . . . . .	104	5.8	12.4
8	PA	Union . . . . .	9	16.5	17.0	20	RI	Washington . . . . .	104	5.8	8.5
8	PA	Montour . . . . .	9	16.5	22.0	160	SC	Richland . . . . .	262	8.0	7.4
26	PA	Clearfield . . . . .	29	16.1	14.7	160	SC	Lexington . . . . .	262	8.0	4.6
26	PA	Jefferson . . . . .	29	16.1	17.4	160	SC	Fairfield . . . . .	262	8.0	11.5
26	PA	Centre . . . . .	139	16.1	17.2	160	SC	Newberry . . . . .	388	8.0	17.4
28	PA	Philadelphia . . . . .	31	6.0	5.9	176	SC	Orangeburg . . . . .	279	21.9	19.6
28	PA	Montgomery . . . . .	31	6.0	5.5	176	SC	Bamberg . . . . .	279	21.9	25.8
28	PA	Bucks . . . . .	31	6.0	9.5	176	SC	Calhoun . . . . .	279	21.9	22.4
28	PA	Delaware . . . . .	144	6.0	3.5	176	SC	Allendale . . . . .	426	21.9	28.1
28	PA	Chester . . . . .	200	6.0	8.0	182	SC	Greenville . . . . .	285	5.9	5.6
42	PA	Allegheny . . . . .	45	5.6	2.9	182	SC	Anderson . . . . .	285	5.9	5.6
42	PA	Butler . . . . .	45	5.6	18.1	182	SC	Pickens . . . . .	285	5.9	4.3
42	PA	Armstrong . . . . .	45	5.6	5.4	182	SC	Oconee . . . . .	285	5.9	10.7
42	PA	Westmoreland . . . . .	110	5.6	8.6	184	SC	Florence . . . . .	287	15.0	6.7
42	PA	Indiana . . . . .	110	5.6	17.6	184	SC	Darlington . . . . .	287	15.0	5.8
42	PA	Beaver . . . . .	185	5.6	6.2	184	SC	Williamsburg . . . . .	287	15.0	34.1
43	PA	Dauphin . . . . .	47	7.4	5.1	184	SC	Chesterfield . . . . .	380	15.0	36.2
43	PA	Cumberland . . . . .	47	7.4	10.5	184	SC	Marlboro . . . . .	450	15.0	23.1
43	PA	Perry . . . . .	47	7.4	9.3	187	SC	Greenwood . . . . .	290	21.3	9.1
43	PA	Lebanon . . . . .	202	7.4	6.5	187	SC	Laurens . . . . .	290	21.3	23.7
44	PA	Lycoming . . . . .	48	6.6	6.0	187	SC	Abbeville . . . . .	290	21.3	25.4
44	PA	Clinton . . . . .	48	6.6	8.3	187	SC	Saluda . . . . .	290	21.3	52.9
47	PA	Lackawanna . . . . .	51	9.1	6.8	187	SC	McCormick . . . . .	290	21.3	40.9
47	PA	Wayne . . . . .	51	9.1	22.0	191	SC	Spartanburg . . . . .	296	9.8	8.5
48	PA	York . . . . .	52	13.0	12.5	191	SC	Cherokee . . . . .	296	9.8	10.4
48	PA	Adams . . . . .	52	13.0	14.4						

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
191	NC	Polk . . . . .	296	9.8	24.1	610	SD	Brookings . . . . .	1004	29.8	25.5
191	SC	Union . . . . .	399	9.8	6.9	610	SD	Kingsbury . . . . .	1004	29.8	38.0
196	SC	Sumter . . . . .	306	23.9	16.4	615	SD	Davison . . . . .	1011	24.3	13.2
196	SC	Clarendon . . . . .	306	23.9	28.5	615	SD	Charles Mix . . . . .	1011	24.3	20.8
196	SC	Lee . . . . .	306	23.9	50.8	615	SD	Douglas . . . . .	1011	24.3	35.6
199	SC	Marion . . . . .	309	19.8	21.4	615	SD	Aurora . . . . .	1011	24.3	25.0
199	SC	Dillon . . . . .	309	19.8	17.7	615	SD	Hanson . . . . .	1011	24.3	37.0
212	SC	Charleston . . . . .	322	7.7	4.4	615	SD	Sanborn . . . . .	1011	24.3	51.5
212	SC	Berkeley . . . . .	322	7.7	6.7	615	SD	Brule . . . . .	1150	24.3	16.3
212	SC	Dorchester . . . . .	322	7.7	8.7	615	SD	Lyman . . . . .	1150	24.3	46.8
212	SC	Colleton . . . . .	322	7.7	6.3	615	SD	Buffalo . . . . .	1150	24.3	29.7
212	SC	Hampton . . . . .	322	7.7	42.0	623	SD	Shannon . . . . .	1020	22.1	20.7
244	SC	York . . . . .	375	24.7	24.1	623	NE	Sheridan . . . . .	1020	22.1	20.2
244	SC	Chester . . . . .	375	24.7	26.4	623	SD	Bennett . . . . .	1020	22.1	26.8
246	SC	Horry . . . . .	378	20.1	18.6	623	NE	Dawes . . . . .	1123	22.1	20.4
246	SC	Georgetown . . . . .	378	20.1	23.9	623	NE	Sioux . . . . .	1123	22.1	50.0
249	SC	Kershaw . . . . .	400	25.4	24.0	629	SD	Hughes . . . . .	1029	25.5	22.2
249	SC	Lancaster . . . . .	401	25.4	27.1	629	SD	Haakon . . . . .	1029	25.5	32.7
544	SD	Minnehaha . . . . .	927	13.9	5.0	629	SD	Stanley . . . . .	1029	25.5	13.3
544	SD	Lincoln . . . . .	927	13.9	9.7	629	SD	Ziebach . . . . .	1029	25.5	68.4
544	IA	Lyon . . . . .	927	13.9	22.2	629	SD	Sully . . . . .	1029	25.5	35.3
544	SD	Union . . . . .	927	13.9	57.6	629	SD	Jones . . . . .	1029	25.5	23.1
544	SD	Turner . . . . .	927	13.9	21.2	640	SD	Perkins . . . . .	1047	24.5	20.1
544	SD	Moody . . . . .	927	13.9	18.7	640	ND	Bowman . . . . .	1047	24.5	14.4
544	SD	McCook . . . . .	927	13.9	32.8	640	ND	Hettinger . . . . .	1047	24.5	42.8
544	SD	Miner . . . . .	927	13.9	39.4	640	ND	Adams . . . . .	1047	24.5	11.6
544	SD	Lake . . . . .	1125	13.9	7.5	640	SD	Harding . . . . .	1047	24.5	65.7
544	MN	Rock . . . . .	1155	13.9	6.9	640	ND	Slope . . . . .	1047	24.5	34.1
544	MN	Pipestone . . . . .	1169	13.9	11.4	648	SD	Walworth . . . . .	1055	39.1	36.2
558	SD	Pennington . . . . .	943	13.0	9.9	648	SD	Dewey . . . . .	1055	39.1	32.8
558	SD	Fall River . . . . .	943	13.0	12.7	648	SD	Corson . . . . .	1055	39.1	62.9
558	SD	Custer . . . . .	943	13.0	12.8	648	SD	Potter . . . . .	1055	39.1	26.5
558	SD	Jackson . . . . .	943	13.0	60.7	648	SD	Campbell . . . . .	1055	39.1	59.3
558	SD	Meade . . . . .	1032	13.0	14.1	141	TN	Hamilton . . . . .	243	5.7	5.0
558	SD	Butte . . . . .	1032	13.0	16.2	141	GA	Walker . . . . .	243	5.7	5.6
568	SD	Codington . . . . .	953	27.2	16.4	141	GA	Catoosa . . . . .	243	5.7	7.0
568	SD	Hamlin . . . . .	953	27.2	27.8	141	TN	Marion . . . . .	243	5.7	6.2
568	SD	Deuel . . . . .	953	27.2	42.2	141	GA	Dade . . . . .	243	5.7	8.2
568	SD	Clark . . . . .	953	27.2	39.6	141	TN	Sequatchie . . . . .	243	5.7	21.1
568	SD	Grant . . . . .	1149	27.2	32.9	146	TN	Shelby . . . . .	248	5.3	2.7
572	SD	Brown . . . . .	956	13.6	10.7	146	MS	De Soto . . . . .	248	5.3	3.3
572	SD	Edmunds . . . . .	956	13.6	8.4	146	TN	Tipton . . . . .	248	5.3	2.5
572	SD	McPherson . . . . .	956	13.6	9.5	146	MS	Marshall . . . . .	248	5.3	17.3
572	SD	Spink . . . . .	1069	13.6	16.4	146	TN	Fayette . . . . .	248	5.3	3.7
572	SD	Faulk . . . . .	1097	13.6	17.4	146	MS	Benton . . . . .	248	5.3	58.1
572	SD	Day . . . . .	1162	13.6	19.3	146	MS	Panola . . . . .	807	5.3	25.7
572	SD	Marshall . . . . .	1163	13.6	17.9	146	MS	Tate . . . . .	807	5.3	2.9
578	SD	Yankton . . . . .	963	28.3	11.0	146	MS	Tunica . . . . .	836	5.3	23.2
578	SD	Clay . . . . .	963	28.3	26.8	147	TN	Knox . . . . .	249	5.9	4.3
578	NE	Cedar . . . . .	963	28.3	62.6	147	TN	Sevier . . . . .	249	5.9	6.0
578	NE	Knox . . . . .	963	28.3	36.3	147	TN	Loudon . . . . .	249	5.9	4.4
578	SD	Hutchinson . . . . .	1022	28.3	31.3	147	TN	Union . . . . .	249	5.9	18.5
578	SD	Bon Homme . . . . .	1022	28.3	12.2	147	TN	McMinn . . . . .	353	5.9	14.2
590	SD	Roberts . . . . .	976	30.2	38.5	147	TN	Monroe . . . . .	353	5.9	5.1
590	MN	Big Stone . . . . .	976	30.2	23.7	147	TN	Meigs . . . . .	353	5.9	27.2
590	MN	Traverse . . . . .	976	30.2	26.5	147	TN	Blount . . . . .	389	5.9	3.2
595	SD	Todd . . . . .	985	27.7	24.6	148	TN	Davidson . . . . .	250	5.2	4.1
595	SD	Tripp . . . . .	985	27.7	20.3	148	TN	Williamson . . . . .	250	5.2	4.5
595	SD	Mellette . . . . .	985	27.7	48.1	148	TN	Robertson . . . . .	250	5.2	7.4
595	SD	Gregory . . . . .	1002	27.7	25.7	148	TN	Cheatham . . . . .	250	5.2	9.2
595	NE	Boyd . . . . .	1002	27.7	40.3	148	TN	Dickson . . . . .	304	5.2	4.9
600	SD	Beadle . . . . .	991	24.3	20.3	148	TN	Hickman . . . . .	304	5.2	7.3
600	SD	Jerauld . . . . .	991	24.3	16.5	148	TN	Humphreys . . . . .	304	5.2	18.8
600	SD	Hand . . . . .	1143	24.3	26.2	151	VA	Russell . . . . .	174	10.7	20.0
600	SD	Hyde . . . . .	1143	24.3	50.7	151	VA	Smyth . . . . .	204	10.7	7.6
						151	TN	Sullivan . . . . .	253	10.7	8.4

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
151	VA	Washington	253	10.7	5.7	248	TN	Dyer	393	39.3	33.2
151	TN	Hawkins	253	10.7	21.8	248	TN	Lake	393	39.3	57.7
151	VA	Scott	253	10.7	5.9	248	TN	Lauderdale	394	39.3	41.7
169	TN	Washington	272	12.0	14.1	252	TN	Cocke	430	20.1	35.2
169	TN	Carter	272	12.0	12.8	252	TN	Greene	431	20.1	11.5
169	TN	Unicoi	272	12.0	2.7	260	TN	Bedford	459	31.2	31.2
173	TN	Bradley	276	20.3	13.6	263	TN	Scott	462	29.5	29.5
173	GA	Fannin	276	20.3	27.8	404	TX	Bowie	683	12.5	7.8
173	TN	Polk	276	20.3	24.0	404	AR	Miller	683	12.5	6.6
173	GA	Gilmer	446	20.3	31.1	404	AR	Little River	683	12.5	5.0
181	TN	Oblon	284	26.0	21.7	404	AR	Lafayette	683	12.5	49.6
181	KY	Fulton	284	26.0	28.0	404	AR	Hempstead	740	12.5	8.9
181	TN	Weakley	412	26.0	29.3	404	AR	Nevada	740	12.5	21.1
188	TN	Madison	291	11.9	5.8	404	OK	McCurtain	747	12.5	24.7
188	TN	Gibson	291	11.9	9.2	404	AR	Sevier	747	12.5	6.1
188	TN	Henderson	291	11.9	8.7	404	AR	Howard	880	12.5	13.7
188	TN	Crockett	291	11.9	11.4	405	TX	Potter	684	10.9	5.4
188	TN	Chester	291	11.9	19.6	405	TX	Randall	684	10.9	5.2
188	TN	Decatur	291	11.9	10.3	405	TX	Hutchinson	684	10.9	12.1
188	TN	Hardeman	433	11.9	29.4	405	TX	Swisher	684	10.9	29.6
188	TN	Haywood	447	11.9	23.1	405	TX	Carson	684	10.9	47.2
208	TN	Maury	318	22.5	17.4	405	TX	Donley	684	10.9	20.5
208	TN	Marshall	318	22.5	25.5	405	TX	Oldham	684	10.9	5.8
208	TN	Lewis	318	22.5	26.7	405	TX	Armstrong	684	10.9	7.3
208	TN	Giles	434	22.5	27.6	405	TX	Briscoe	684	10.9	66.4
211	TN	Rutherford	321	25.2	30.5	405	TX	Moore	717	10.9	7.9
211	TN	Cannon	321	25.2	15.6	405	TX	Dallam	717	10.9	13.3
211	TN	Warren	357	25.2	20.7	405	TX	Hartley	717	10.9	8.8
211	TN	De Kalb	357	25.2	24.4	405	TX	Sherman	717	10.9	10.7
211	TN	Van Buren	357	25.2	33.5	405	TX	Hansford	841	10.9	7.8
215	TN	Putnam	326	25.6	29.3	405	TX	Ochiltree	842	10.9	16.6
215	TN	Overton	326	25.6	14.4	406	TX	Lubbock	685	7.0	4.8
215	TN	Pickett	326	25.6	24.8	406	TX	Hockley	685	7.0	6.8
215	TN	Jackson	390	25.6	20.7	406	TX	Dawson	685	7.0	18.3
215	TN	Clay	427	25.6	16.1	406	TX	Bailey	685	7.0	19.6
215	TN	White	451	25.6	39.1	406	TX	Lynn	685	7.0	4.0
217	TN	Hamblen	328	34.3	26.6	406	TX	Garza	685	7.0	8.9
217	TN	Jefferson	328	34.3	40.9	406	TX	Motley	685	7.0	39.1
217	TN	Grainger	328	34.3	52.6	406	TX	Borden	685	7.0	63.6
217	TN	Hancock	425	34.3	20.4	406	TX	King	685	7.0	33.3
223	TN	Cumberland	337	18.5	15.3	406	TX	Lamb	833	7.0	11.0
223	TN	Bledsoe	337	18.5	23.1	406	TX	Crosby	861	7.0	1.4
223	TN	Fentress	408	18.5	21.7	406	TX	Dickens	861	7.0	11.4
226	TN	Anderson	341	26.8	28.4	406	TX	Cochran	885	7.0	2.7
226	TN	Roane	341	26.8	19.7	408	TX	Harris	687	6.7	4.8
226	TN	Morgan	341	26.8	39.5	408	TX	Fort Bend	687	6.7	20.3
226	TN	Rhea	416	26.8	40.6	408	TX	Montgomery	687	6.7	5.9
226	TN	Campbell	440	26.8	21.9	408	TX	Liberty	687	6.7	17.3
231	TN	Sumner	351	25.1	30.0	408	TX	Waller	687	6.7	14.1
231	TN	Trousdale	351	25.1	9.4	408	TX	Austin	687	6.7	25.2
231	TN	Wilson	371	25.1	25.9	408	TX	San Jacinto	687	6.7	30.7
231	TN	Smith	371	25.1	15.7	408	TX	Chambers	882	6.7	28.9
231	TN	Macon	385	25.1	24.8	410	TX	Bexar	689	6.2	3.8
232	TN	Wayne	352	34.9	40.5	410	TX	Atascosa	689	6.2	3.2
232	TN	Perry	352	34.9	43.1	410	TX	Medina	689	6.2	4.1
232	TN	Lawrence	443	34.9	31.2	410	TX	Wilson	689	6.2	4.0
234	TN	Montgomery	361	19.1	19.0	410	TX	Kendall	689	6.2	20.3
234	TN	Stewart	361	19.1	19.3	410	TX	Zavala	689	6.2	58.2
234	TN	Houston	361	19.1	19.4	410	TX	Bandera	689	6.2	41.7
239	TN	Coffee	367	26.5	25.4	410	TX	McMullen	689	6.2	25.0
239	TN	Franklin	367	26.5	17.5	410	TX	Guadalupe	779	6.2	13.5
239	TN	Grundy	367	26.5	45.2	410	TX	Gonzales	779	6.2	28.2
239	TN	Moore	367	26.5	56.8	410	TX	Frio	832	6.2	7.2
245	TN	McNairy	377	40.1	46.1	410	TX	La Salle	832	6.2	31.5
245	TN	Hardin	377	40.1	34.6	413	TX	Jefferson	692	9.0	6.4
						413	TX	Orange	692	9.0	7.9
						413	TX	Hardin	692	9.0	7.6

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
413	TX	Jasper . . . . .	692	9.0	23.0	437	TX	Brooks . . . . .	716	6.9	8.8
413	TX	Newton . . . . .	692	9.0	18.6	437	TX	Kenedy . . . . .	716	6.9	26.7
413	TX	Tyler . . . . .	863	9.0	14.4	438	TX	Lamar . . . . .	718	14.3	7.5
415	TX	El Paso . . . . .	694	4.5	4.2	438	OK	Choctaw . . . . .	718	14.3	20.9
415	TX	Culberson . . . . .	694	4.5	26.2	438	TX	Red River . . . . .	718	14.3	17.7
415	TX	Hudspeth . . . . .	694	4.5	23.3	438	TX	Delta . . . . .	718	14.3	31.4
415	TX	Loving . . . . .	694	4.5	50.0	441	TX	Smith . . . . .	721	18.9	8.6
420	TX	Wichita . . . . .	699	12.1	7.0	441	TX	Van Zandt . . . . .	721	18.9	47.5
420	TX	Montague . . . . .	699	12.1	20.2	441	TX	Wood . . . . .	721	18.9	17.6
420	TX	Clay . . . . .	699	12.1	8.0	441	TX	Henderson . . . . .	819	18.9	22.0
420	TX	Archer . . . . .	699	12.1	10.3	444	TX	Ector . . . . .	725	16.3	13.5
420	TX	Knox . . . . .	765	12.1	42.6	444	TX	Reeves . . . . .	725	16.3	23.7
420	TX	Baylor . . . . .	765	12.1	7.6	444	TX	Ward . . . . .	725	16.3	15.3
420	TX	Young . . . . .	785	12.1	14.3	444	TX	Crane . . . . .	725	16.3	26.7
420	TX	Throckmorton . . . . .	785	12.1	36.9	444	TX	Winkler . . . . .	872	16.3	29.2
425	TX	Travis . . . . .	704	10.3	6.2	447	TX	Nacogdoches . . . . .	728	23.4	13.1
425	TX	Williamson . . . . .	704	10.3	12.3	447	TX	Shelby . . . . .	728	23.4	30.1
425	TX	Bastrop . . . . .	704	10.3	12.3	447	TX	San Augustine . . . . .	728	23.4	25.0
425	TX	Burnet . . . . .	704	10.3	16.7	447	TX	Sabine . . . . .	826	23.4	45.7
425	TX	Llano . . . . .	704	10.3	23.7	449	TX	Angelina . . . . .	730	26.7	12.3
425	TX	Lee . . . . .	884	10.3	32.8	449	TX	Polk . . . . .	730	26.7	44.0
426	TX	Tom Green . . . . .	705	11.7	7.0	449	TX	Trinity . . . . .	730	26.7	30.8
426	TX	McCulloch . . . . .	705	11.7	16.2	449	TX	Walker . . . . .	825	26.7	36.7
426	TX	Reagan . . . . .	705	11.7	22.7	452	TX	Bell . . . . .	733	12.8	6.9
426	TX	Sutton . . . . .	705	11.7	51.2	452	TX	Coryell . . . . .	733	12.8	20.6
426	TX	Crockett . . . . .	705	11.7	17.6	452	TX	Milam . . . . .	733	12.8	17.1
426	TX	Coke . . . . .	705	11.7	9.7	452	TX	Lampasas . . . . .	859	12.8	27.9
426	TX	Schleicher . . . . .	705	11.7	4.6	453	TX	Dallas . . . . .	734	10.5	9.4
426	TX	Concho . . . . .	705	11.7	8.9	453	TX	Collin . . . . .	734	10.5	10.5
426	TX	Menard . . . . .	705	11.7	16.5	453	TX	Ellis . . . . .	734	10.5	12.1
426	TX	Irion . . . . .	705	11.7	4.7	453	TX	Hunt . . . . .	734	10.5	8.3
426	TX	Runnels . . . . .	851	11.7	19.9	453	TX	Kaufman . . . . .	734	10.5	18.7
426	TX	Sterling . . . . .	896	11.7	15.5	453	TX	Rockwall . . . . .	734	10.5	6.6
427	TX	Hidalgo . . . . .	706	14.0	14.6	453	TX	Rains . . . . .	734	10.5	34.2
427	TX	Starr . . . . .	706	14.0	6.6	453	TX	Hopkins . . . . .	834	10.5	20.7
428	TX	Taylor . . . . .	707	15.7	9.1	454	TX	Gregg . . . . .	735	23.7	16.3
428	TX	Eastland . . . . .	707	15.7	29.6	454	TX	Upshur . . . . .	735	23.7	22.4
428	TX	Callahan . . . . .	707	15.7	18.9	454	TX	Rusk . . . . .	874	23.7	32.2
428	TX	Stephens . . . . .	707	15.7	30.6	454	TX	Panola . . . . .	892	23.7	36.7
428	TX	Shackelford . . . . .	707	15.7	8.8	458	TX	Wilbarger . . . . .	739	36.0	40.0
428	TX	Jones . . . . .	769	15.7	8.2	458	TX	Hardeman . . . . .	739	36.0	26.9
428	TX	Haskell . . . . .	769	15.7	15.9	458	TX	Foard . . . . .	739	36.0	43.9
428	TX	Stonewall . . . . .	873	15.7	10.6	460	TX	Gray . . . . .	742	27.9	24.0
428	TX	Kent . . . . .	873	15.7	44.7	460	TX	Wheeler . . . . .	742	27.9	28.4
433	TX	Victoria . . . . .	712	10.5	6.0	460	TX	Hemphill . . . . .	742	27.9	55.5
433	TX	De Witt . . . . .	712	10.5	8.6	460	TX	Roberts . . . . .	742	27.9	49.0
433	TX	Jackson . . . . .	712	10.5	14.1	462	TX	McLennan . . . . .	744	20.2	13.4
433	TX	Goliad . . . . .	712	10.5	10.7	462	TX	Limestone . . . . .	744	20.2	21.1
433	TX	Refugio . . . . .	852	10.5	29.4	462	TX	Falls . . . . .	744	20.2	45.2
433	TX	Lavaca . . . . .	883	10.5	12.8	462	TX	Bosque . . . . .	772	20.2	22.2
433	TX	Calhoun . . . . .	897	10.5	11.1	462	TX	Hamilton . . . . .	772	20.2	56.2
434	TX	Tarrant . . . . .	713	7.9	7.5	462	TX	Hill . . . . .	850	20.2	18.7
434	TX	Johnson . . . . .	713	7.9	8.4	464	TX	Brazos . . . . .	746	20.2	10.0
434	TX	Parker . . . . .	713	7.9	10.3	464	TX	Washington . . . . .	746	20.2	25.3
434	TX	Hood . . . . .	713	7.9	12.4	464	TX	Robertson . . . . .	746	20.2	26.2
434	TX	Somervell . . . . .	713	7.9	9.0	464	TX	Burleson . . . . .	746	20.2	19.5
436	TX	Grayson . . . . .	715	13.5	8.6	464	TX	Grimes . . . . .	871	20.2	33.3
436	OK	Bryan . . . . .	715	13.5	9.6	465	TX	Titus . . . . .	748	28.5	21.0
436	TX	Fannin . . . . .	715	13.5	25.1	465	TX	Morris . . . . .	748	28.5	44.7
436	OK	Atoka . . . . .	828	13.5	30.0	465	TX	Franklin . . . . .	748	28.5	22.4
437	TX	Nueces . . . . .	716	6.9	4.9	465	TX	Camp . . . . .	890	28.5	27.8
437	TX	San Patricio . . . . .	716	6.9	8.3	468	TX	Brown . . . . .	751	20.9	14.5
437	TX	Jim Wells . . . . .	716	6.9	5.3	468	TX	Coleman . . . . .	751	20.9	32.0
437	TX	Kleberg . . . . .	716	6.9	7.0	468	TX	Mills . . . . .	751	20.9	26.2
437	TX	Aransas . . . . .	716	6.9	12.9	468	TX	San Saba . . . . .	827	20.9	26.8
437	TX	Duval . . . . .	716	6.9	5.5						
437	TX	Live Oak . . . . .	716	6.9	52.8						

Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
479	TX	Palo Pinto . . . . .	764	32.4	27.7	524	TX	Collingsworth . . . . .	907	49.1	49.1
479	TX	Jack . . . . .	764	32.4	49.9	526	TX	Brewster . . . . .	909	44.6	39.0
481	TX	Hale . . . . .	767	38.8	38.4	526	TX	Presidio . . . . .	909	44.6	50.0
481	TX	Floyd . . . . .	767	38.8	39.7	526	TX	Jeff Davis . . . . .	909	44.6	50.8
481	TX	Castro . . . . .	878	38.8	39.8	531	TX	Dimmit . . . . .	914	41.4	41.4
485	TX	Cass . . . . .	776	39.9	45.0	532	TX	Galveston . . . . .	915	28.0	28.0
485	TX	Marion . . . . .	776	39.9	34.9	536	TX	Uvalde . . . . .	919	36.0	36.0
485	TX	Harrison . . . . .	840	39.9	36.2	538	TX	Webb . . . . .	921	13.5	9.2
489	TX	Navarro . . . . .	781	22.0	18.3	538	TX	Zapata . . . . .	921	13.5	26.3
489	TX	Freestone . . . . .	781	22.0	31.9	538	TX	Jim Hogg . . . . .	921	13.5	49.7
490	TX	Fayette . . . . .	783	39.3	48.3	703	UT	Utah . . . . .	1216	13.9	12.5
490	TX	Colorado . . . . .	783	39.3	28.7	703	UT	Sanpete . . . . .	1216	13.9	15.2
491	TX	Deaf Smith . . . . .	784	42.7	31.0	703	UT	Sevier . . . . .	1216	13.9	18.9
491	TX	Parmer . . . . .	784	42.7	68.6	703	UT	Juab . . . . .	1216	13.9	9.2
492	TX	Midland . . . . .	786	21.3	14.2	703	UT	Wayne . . . . .	1216	13.9	29.5
492	TX	Martin . . . . .	786	21.3	44.0	703	UT	Millard . . . . .	1370	13.9	19.0
492	TX	Upton . . . . .	786	21.3	37.1	708	UT	Salt Lake . . . . .	1221	7.2	6.5
492	TX	Pecos . . . . .	891	21.3	36.4	708	UT	Tooele . . . . .	1221	7.2	5.6
492	TX	Terrell . . . . .	891	21.3	72.5	708	UT	Summit . . . . .	1221	7.2	27.4
495	TX	Denton . . . . .	790	23.8	22.2	708	UT	Uintah . . . . .	1259	7.2	9.6
495	TX	Cooke . . . . .	790	23.8	20.7	708	UT	Duchesne . . . . .	1259	7.2	11.0
495	TX	Wise . . . . .	881	23.8	32.6	708	UT	Wasatch . . . . .	1325	7.2	17.5
501	TX	Leon . . . . .	797	51.0	59.3	715	UT	Cache . . . . .	1228	16.3	13.5
501	TX	Madison . . . . .	797	51.0	38.0	715	ID	Franklin . . . . .	1228	16.3	19.3
503	TX	Nolan . . . . .	800	34.1	30.6	715	ID	Bear Lake . . . . .	1228	16.3	29.3
503	TX	Mitchell . . . . .	800	34.1	35.7	744	UT	Davis . . . . .	1260	13.8	21.0
503	TX	Fisher . . . . .	888	34.1	41.7	744	UT	Weber . . . . .	1260	13.8	7.7
505	TX	Matagorda . . . . .	803	34.8	24.3	744	UT	Morgan . . . . .	1260	13.8	3.3
505	TX	Wharton . . . . .	803	34.8	21.9	744	UT	Rich . . . . .	1260	13.8	57.5
505	TX	Brazoria . . . . .	822	34.8	42.7	744	UT	Box Elder . . . . .	1317	13.8	21.9
506	TX	Kerr . . . . .	804	25.8	19.5	755	UT	Iron . . . . .	1272	30.8	34.1
506	TX	Gillespie . . . . .	804	25.8	18.0	755	UT	Beaver . . . . .	1272	30.8	26.2
506	TX	Blanco . . . . .	804	25.8	64.6	809	UT	Carbon . . . . .	1410	22.7	20.3
506	TX	Mason . . . . .	804	25.8	42.2	809	UT	Emery . . . . .	1410	22.7	30.5
506	TX	Real . . . . .	804	25.8	58.3	5	VA	Newport News . . . . .	6	7.5	5.3
506	TX	Edwards . . . . .	804	25.8	45.1	5	VA	Hampton City . . . . .	6	7.5	7.0
506	TX	Kimble . . . . .	857	25.8	21.5	5	VA	York . . . . .	6	7.5	4.9
507	TX	Erath . . . . .	805	29.1	31.3	5	VA	Gloucester . . . . .	6	7.5	9.6
507	TX	Comanche . . . . .	805	29.1	26.4	5	VA	Mathews . . . . .	6	7.5	11.9
509	TX	Anderson . . . . .	808	24.6	20.9	5	VA	James City . . . . .	214	7.5	13.0
509	TX	Houston . . . . .	808	24.6	31.1	6	VA	Virginia Beach . . . . .	7	8.4	5.0
509	TX	Cherokee . . . . .	893	24.6	24.4	6	VA	Norfolk/Portsmouth . . . . .	7	8.4	3.5
510	TX	Hays . . . . .	809	37.3	42.3	6	VA	Chesapeake City . . . . .	7	8.4	3.5
510	TX	Caldwell . . . . .	809	37.3	31.5	6	NC	Currituck . . . . .	7	8.4	52.5
512	TX	Childress . . . . .	829	45.5	35.4	6	VA	Nansemond . . . . .	135	8.4	5.4
512	TX	Cottle . . . . .	829	45.5	58.3	6	VA	Southampton . . . . .	135	8.4	12.4
512	TX	Hall . . . . .	830	45.5	53.1	6	VA	Isle of Wight . . . . .	135	8.4	100.0
513	TX	Bee . . . . .	869	47.4	41.1	14	VA	Roanoke . . . . .	16	6.2	4.1
513	TX	Karnes . . . . .	870	47.4	56.7	14	VA	Franklin . . . . .	16	6.2	6.8
514	TX	Terry . . . . .	875	49.9	49.9	14	VA	Botetourt . . . . .	16	6.2	12.6
514	TX	Yoakum . . . . .	876	49.9	49.7	14	VA	Floyd . . . . .	16	6.2	35.0
516	TX	Maverick . . . . .	898	30.7	38.8	14	VA	Craig . . . . .	16	6.2	8.6
516	TX	Val Verde . . . . .	899	30.7	22.0	14	VA	Campbell . . . . .	82	6.2	4.8
516	TX	Kinney . . . . .	899	30.7	44.7	14	VA	Bedford . . . . .	82	6.2	6.4
517	TX	Comal . . . . .	900	30.4	30.4	14	VA	Amherst . . . . .	82	6.2	6.1
518	TX	Howard . . . . .	901	20.1	19.1	14	VA	Appomattox . . . . .	82	6.2	19.3
518	TX	Glasscock . . . . .	901	20.1	70.8	25	VA	Frederick . . . . .	28	13.5	6.3
519	TX	Scurry . . . . .	902	41.7	41.7	25	VA	Shenandoah . . . . .	28	13.5	19.9
520	TX	Cameron . . . . .	903	9.8	9.5	25	WV	Hampshire . . . . .	28	13.5	36.4
520	TX	Willacy . . . . .	903	9.8	14.1	25	VA	Clarke . . . . .	28	13.5	5.3
						25	WV	Berkeley . . . . .	106	13.5	8.4
						25	WV	Jefferson . . . . .	106	13.5	13.3
						25	WV	Morgan . . . . .	188	13.5	25.2
						25	VA	Warren . . . . .	236	13.5	10.4

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
33	VA	Henrico . . . . .	36	10.5	3.4	135	VA	Spotsylvania . . . . .	237	19.8	11.1
33	VA	Chesterfield . . . . .	36	10.5	33.9	135	VA	Stafford . . . . .	237	19.8	22.0
33	VA	Hanover . . . . .	36	10.5	4.5	135	VA	Caroline . . . . .	237	19.8	49.0
33	VA	Westmoreland . . . . .	36	10.5	47.3	135	VA	King George . . . . .	237	19.8	15.9
33	VA	Nottoway . . . . .	36	10.5	12.5	137	VA	Accomack . . . . .	239	24.0	28.3
33	VA	Powhatan . . . . .	36	10.5	6.6	137	VA	Northampton . . . . .	239	24.0	15.0
33	VA	Goochland . . . . .	36	10.5	4.3	49	VT	Chittenden . . . . .	53	7.0	5.7
33	VA	New Kent . . . . .	36	10.5	24.8	49	VT	Franklin . . . . .	53	7.0	6.5
33	VA	King William . . . . .	36	10.5	35.1	49	VT	Addison . . . . .	53	7.0	11.5
33	VA	Essex . . . . .	36	10.5	9.0	49	VT	Grand Isle . . . . .	53	7.0	9.6
33	VA	Amelia . . . . .	36	10.5	5.0	103	VT	Caledonia . . . . .	126	23.4	30.1
33	VA	Richmond . . . . .	36	10.5	5.6	103	VT	Lamoille . . . . .	126	23.4	26.4
33	VA	Charles City . . . . .	36	10.5	21.2	103	VT	Orleans . . . . .	192	23.4	14.7
33	VA	King and Queen . . . . .	36	10.5	33.5	122	VT	Rutland . . . . .	224	11.5	11.5
33	VA	Lancaster . . . . .	158	10.5	9.5	698	WA	Spokane . . . . .	1211	6.2	5.2
33	VA	Northumberland . . . . .	158	10.5	7.2	698	WA	Lincoln . . . . .	1211	6.2	6.5
33	VA	Middlesex . . . . .	158	10.5	46.8	698	WA	Pend Oreille . . . . .	1211	6.2	9.8
33	VA	Prince Edward . . . . .	205	10.5	12.1	698	WA	Stevens . . . . .	1274	6.2	6.2
33	VA	Charlotte . . . . .	205	10.5	47.0	698	WA	Ferry . . . . .	1274	6.2	8.9
33	VA	Cumberland . . . . .	205	10.5	10.0	698	WA	Adams . . . . .	1382	6.2	24.7
55	VA	Wise . . . . .	61	26.4	20.5	702	WA	Benton . . . . .	1215	16.6	16.6
55	VA	Dickenson . . . . .	61	26.4	31.9	702	WA	Franklin . . . . .	1215	16.6	16.7
55	VA	Lee . . . . .	220	26.4	35.1	736	WA	King . . . . .	1250	5.6	5.2
63	VA	Rockingham . . . . .	70	16.8	10.9	736	WA	Snohomish . . . . .	1250	5.6	4.7
63	VA	Page . . . . .	70	16.8	20.2	736	WA	Skagit . . . . .	1250	5.6	6.1
63	WV	Pendleton . . . . .	70	16.8	48.6	736	WA	Island . . . . .	1250	5.6	8.3
69	VA	Fairfax . . . . .	76	16.7	18.5	736	WA	San Juan . . . . .	1250	5.6	29.2
69	VA	Arlington . . . . .	76	16.7	15.5	736	WA	San Juan . . . . .	1250	5.6	29.2
69	VA	Alexandria City . . . . .	76	16.7	13.5	736	WA	Kitsap . . . . .	1282	5.6	7.8
69	VA	Loudoun . . . . .	211	16.7	21.3	739	WA	Yakima . . . . .	1254	8.2	7.4
70	VA	Montgomery . . . . .	77	16.6	18.8	739	WA	Kittitas . . . . .	1254	8.2	15.8
70	VA	Giles . . . . .	77	16.6	20.6	747	WA	Grant . . . . .	1263	16.1	28.3
70	VA	Pulaski . . . . .	130	16.6	9.1	747	WA	Chelan . . . . .	1263	16.1	9.4
70	VA	Wythe . . . . .	130	16.6	19.6	747	WA	Douglas . . . . .	1263	16.1	10.1
71	VA	Halifax . . . . .	79	24.8	19.0	747	WA	Okanogan . . . . .	1324	16.1	15.4
71	VA	Mecklenburg . . . . .	79	24.8	23.0	758	WA	Thurston . . . . .	1276	17.9	13.1
71	VA	Lunenburg . . . . .	79	24.8	52.6	758	WA	Lewis . . . . .	1276	17.9	15.3
73	VA	Carroll . . . . .	81	28.2	43.4	758	WA	Mason . . . . .	1276	17.9	33.2
73	VA	Grayson . . . . .	81	28.2	19.7	758	WA	Pacific . . . . .	1319	17.9	33.2
73	NC	Alleghany . . . . .	81	28.2	25.0	758	WA	Grays Harbor . . . . .	1352	17.9	13.6
77	VA	Dinwiddie . . . . .	87	25.8	18.2	784	ID	Latah . . . . .	1371	34.2	25.1
77	VA	Prince George . . . . .	87	25.8	17.6	784	WA	Whitman . . . . .	1372	34.2	42.1
77	VA	Sussex . . . . .	87	25.8	63.5	785	WA	Clallam . . . . .	1374	22.1	17.7
77	VA	Surry . . . . .	87	25.8	57.7	785	WA	Jefferson . . . . .	1375	22.1	35.1
79	VA	Henry . . . . .	90	21.2	19.0	794	WA	Pierce . . . . .	1395	11.2	11.2
79	VA	Patrick . . . . .	90	21.2	28.1	815	WA	Whatcom . . . . .	1416	9.2	9.2
97	VA	Augusta . . . . .	117	16.8	14.6	278	WI	Brown . . . . .	476	7.7	5.2
97	VA	Rockbridge . . . . .	117	16.8	21.9	278	WI	Oconto . . . . .	476	7.7	17.2
97	VA	Highland . . . . .	117	16.8	36.1	278	WI	Kewaunee . . . . .	476	7.7	6.7
99	VA	Albemarle . . . . .	121	21.9	6.3	278	WI	Door . . . . .	609	7.7	8.9
99	VA	Culpeper . . . . .	121	21.9	17.3	280	WI	Milwaukee . . . . .	478	3.8	3.2
99	VA	Orange . . . . .	121	21.9	24.2	280	WI	Waukesha . . . . .	478	3.8	5.5
99	VA	Louisa . . . . .	121	21.9	39.0	280	WI	Washington . . . . .	478	3.8	6.7
99	VA	Buckingham . . . . .	121	21.9	63.5	280	WI	Ozaukee . . . . .	478	3.8	6.6
99	VA	Nelson . . . . .	121	21.9	50.0	282	WI	Wood . . . . .	480	10.3	4.8
99	VA	Fluvanna . . . . .	121	21.9	21.5	282	WI	Clark . . . . .	480	10.3	20.0
99	VA	Madison . . . . .	121	21.9	8.1	282	WI	Taylor . . . . .	480	10.3	12.2
99	VA	Greene . . . . .	121	21.9	7.1	282	WI	Marathon . . . . .	588	10.3	7.8
99	VA	Rappahannock . . . . .	121	21.9	62.5	282	WI	Lincoln . . . . .	588	10.3	14.7
109	VA	Prince Willia . . . . .	136	22.7	23.5	284	WI	Onelda . . . . .	482	26.0	16.1
109	VA	Fauquier . . . . .	136	22.7	21.3	284	WI	Vilas . . . . .	482	26.0	19.3
130	VA	Brunswick . . . . .	232	36.2	63.0	284	WI	Forest . . . . .	482	26.0	39.2
130	VA	Greensville . . . . .	232	36.2	18.5	284	MI	Gogebic . . . . .	659	26.0	33.2
132	VA	Pittsylvania . . . . .	234	20.8	17.4	284	WI	Iron . . . . .	659	26.0	40.7
132	NC	Caswell . . . . .	234	20.8	48.4						

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area—Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
284	MI	Ontonagon . . . . .	660	26.0	32.2	7	WV	Nicholas . . . . .	134	11.1	27.6
290	WI	La Crosse . . . . .	487	10.3	4.7	7	WV	Webster . . . . .	134	11.1	27.3
290	WI	Monroe . . . . .	487	10.3	7.6	30	VA	Alleghany . . . . .	33	22.9	11.5
290	WI	Vernon . . . . .	487	10.3	6.5	30	VA	Bath . . . . .	33	22.9	21.2
290	MN	Houston . . . . .	487	10.3	14.2	30	WV	Greenbrier . . . . .	154	22.9	22.9
290	IA	Allamakee . . . . .	487	10.3	14.7	30	WV	Monroe . . . . .	154	22.9	53.2
290	WI	Trempealeau . . . . .	629	10.3	25.3	31	WV	Monongalia . . . . .	34	14.0	7.2
298	WI	Eau Claire . . . . .	495	14.4	8.2	31	WV	Marion . . . . .	34	14.0	9.3
298	WI	Chippewa . . . . .	495	14.4	9.5	31	WV	Preston . . . . .	34	14.0	24.4
298	WI	Dunn . . . . .	495	14.4	14.0	31	WV	Taylor . . . . .	197	14.0	34.7
298	WI	Buffalo . . . . .	495	14.4	52.7	34	WV	Wood . . . . .	37	10.3	4.6
298	WI	Pepin . . . . .	637	14.4	25.0	34	OH	Washington . . . . .	37	10.3	10.8
301	WI	Dane . . . . .	498	13.3	6.3	34	WV	Ritchie . . . . .	37	10.3	13.9
301	WI	Columbia . . . . .	498	13.3	12.5	34	WV	Pleasants . . . . .	37	10.3	9.6
301	WI	Sauk . . . . .	498	13.3	4.7	34	WV	Wirt . . . . .	37	10.3	5.0
301	WI	Iowa . . . . .	498	13.3	5.7	34	WV	Roane . . . . .	118	10.3	24.9
301	WI	Marquette . . . . .	498	13.3	45.1	34	WV	Calhoun . . . . .	118	10.3	12.9
301	WI	Grant . . . . .	567	13.3	36.2	34	WV	Jackson . . . . .	156	10.3	22.4
301	WI	Richland . . . . .	567	13.3	18.3	39	WV	Mercer . . . . .	42	17.1	10.8
306	WI	Fond Du Lac . . . . .	503	16.4	12.8	39	VA	Tazewell . . . . .	42	17.1	11.1
306	WI	Dodge . . . . .	503	16.4	29.0	39	WV	McDowell . . . . .	42	17.1	27.9
306	WI	Green Lake . . . . .	503	16.4	11.8	39	VA	Bland . . . . .	42	17.1	58.0
306	WI	Winnebago . . . . .	565	16.4	10.8	39	VA	Buchanan . . . . .	173	17.1	21.3
306	WI	Waushara . . . . .	565	16.4	29.1	46	WV	Cabell . . . . .	50	14.5	9.4
314	WI	Washburn . . . . .	511	36.4	31.9	46	OH	Lawrence . . . . .	50	14.5	8.5
314	WI	Burnett . . . . .	511	36.4	43.1	46	WV	Wayne . . . . .	50	14.5	5.7
315	WI	Marinette . . . . .	513	21.7	25.6	46	WV	Lincoln . . . . .	50	14.5	44.8
315	MI	Dickinson . . . . .	513	21.7	14.0	46	KY	Boyd . . . . .	102	14.5	5.5
315	MI	Menominee . . . . .	513	21.7	26.7	46	KY	Greenup . . . . .	102	14.5	24.3
315	WI	Florence . . . . .	513	21.7	18.3	46	KY	Carter . . . . .	102	14.5	40.5
315	MI	Iron . . . . .	673	21.7	20.6	46	KY	Lawrence . . . . .	102	14.5	20.8
						46	KY	Martin . . . . .	102	14.5	47.4
326	WI	Green . . . . .	523	17.5	19.3	50	WV	Randolph . . . . .	54	19.3	11.1
326	WI	Lafayette . . . . .	523	17.5	36.1	50	WV	Barbour . . . . .	54	19.3	19.7
326	WI	Rock . . . . .	665	17.5	14.9	50	WV	Tucker . . . . .	54	19.3	31.1
344	WI	Outagamie . . . . .	540	18.2	17.2	50	WV	Pocahontas . . . . .	164	19.3	31.5
344	WI	Waupaca . . . . .	540	18.2	19.7	60	WV	Raleigh . . . . .	66	18.1	11.1
355	WI	Manitowoc . . . . .	550	11.7	8.7	60	WV	Fayette . . . . .	66	18.1	18.5
355	WI	Calumet . . . . .	550	11.7	35.3	60	WV	Wyoming . . . . .	66	18.1	35.5
355	WI	Sheboygan . . . . .	671	11.7	9.2	60	WV	Summers . . . . .	194	18.1	27.7
357	WI	Ashland . . . . .	553	28.8	12.7	92	WV	Harrison . . . . .	109	18.9	13.5
357	WI	Sawyer . . . . .	553	28.8	44.4	92	WV	Lewis . . . . .	109	18.9	12.7
357	WI	Bayfield . . . . .	553	28.8	21.0	92	WV	Braxton . . . . .	109	18.9	24.4
357	WI	Price . . . . .	608	28.8	46.8	92	WV	Gilmer . . . . .	109	18.9	57.8
370	WI	St. Croix . . . . .	573	36.1	29.9	92	WV	Doddridge . . . . .	109	18.9	29.6
370	WI	Pierce . . . . .	573	36.1	45.7	92	WV	Upshur . . . . .	196	18.9	19.9
370	MN	Goodhue . . . . .	1167	36.1	36.3	586	SD	Lawrence . . . . .	972	25.0	22.4
374	WI	Barron . . . . .	578	21.9	19.9	586	WY	Crook . . . . .	972	25.0	38.0
374	WI	Rusk . . . . .	578	21.9	29.3	586	WY	Campbell . . . . .	1348	25.0	24.1
379	WI	Shawano . . . . .	583	34.7	41.9	726	WY	Natrona . . . . .	1239	10.3	10.0
379	WI	Langlade . . . . .	583	34.7	24.2	726	WY	Converse . . . . .	1239	10.3	12.1
379	WI	Menominee . . . . .	583	34.7	24.4	741	NE	Cheyenne . . . . .	1117	16.3	27.2
382	WI	Racine . . . . .	587	14.0	13.4	741	NE	Deuel . . . . .	1117	16.3	66.2
382	WI	Kenosha . . . . .	587	14.0	14.9	741	WY	Laramie . . . . .	1256	16.3	9.8
						741	NE	Kimball . . . . .	1256	16.3	18.7
387	WI	Jefferson . . . . .	596	30.1	26.5	749	WY	Park . . . . .	1266	24.8	21.5
387	WI	Walworth . . . . .	597	30.1	34.0	749	WY	Big Horn . . . . .	1266	24.8	30.0
391	WI	Adams . . . . .	652	45.2	41.5	770	WY	Sheridan . . . . .	1291	18.6	19.5
391	WI	Juneau . . . . .	653	45.2	46.8	770	WY	Johnson . . . . .	1291	18.6	15.9
399	WI	Jackson . . . . .	678	36.5	36.5	771	WY	Albany . . . . .	1295	19.3	16.5
400	WI	Portage . . . . .	679	24.3	24.3	771	CO	Jackson . . . . .	1295	19.3	46.4
						771	WY	Carbon . . . . .	1296	19.3	20.9
7	WV	Kanawha . . . . .	8	11.1	6.9	775	WY	Lincoln . . . . .	1314	40.6	43.6
7	WV	Putnam . . . . .	8	11.1	12.7	775	WY	Teton . . . . .	1315	40.6	31.1
7	WV	Boone . . . . .	8	11.1	9.8	775	WY	Sublette . . . . .	1315	40.6	53.5
7	WV	Clay . . . . .	8	11.1	38.7						

**Table II. List of health service areas for 800-area and 1400-area unlinked solutions and percent of routine Medicare stays by residents outside 800-unlinked area – Con.**

800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	1400-unlinked area no.	Percent of routine stays outside 800-unlinked area by residents of—	
				Area	County					Area	County
777	WY	Hot Springs . . . . .	1322	16.9	18.9	797	WY	Platte . . . . .	1398	27.5	27.5
777	WY	Washakie . . . . .	1323	16.9	24.9	799	WY	Sweetwater . . . . .	1400	20.5	20.1
777	WY	Fremont . . . . .	1351	16.9	12.9	799	UT	Daggett. . . . .	1400	20.5	45.5
792	WY	Uinta . . . . .	1393	30.4	30.4	804	WY	Weston. . . . .	1405	34.0	34.0



## Appendix IV

### Obstetric service areas

Obstetric service areas were defined using the same methodology as for the health service areas except that natality data for 1984-86 were used to calculate the distance matrix that was input to the cluster analysis. Since the 800-unlinked solution was the preferred solution for the health service areas, that solution is presented for the obstetric service areas.

As for the health service areas, modifications were made to the initial solution to ensure contiguous obstetric service areas. Two zero-production counties (Grant, Nebraska and Grainger, Tennessee) were not contiguous to the cluster where the greatest number of their residents' births occurred. These two counties were reassigned to the cluster where the second largest number of births oc-

curred. Seven other clusters were found that contained noncontiguous counties. Solutions for two of these clusters were not changed as the noncontiguous counties were separated from their clusters only by water (Marin, California; Island and San Juan, Washington). Four noncontiguous counties were reassigned to contiguous obstetric service areas based on examination of their travel patterns (Rio Blanco, Colorado; Ontonagon, Michigan; Clatsop, Oregon; and Jefferson, West Virginia).

The obstetric service areas for the 800-unlinked solution are presented in table III. Appendix tables IV and V present information on travel patterns outside the obstetric service areas comparable to that presented in text tables E, F, and H for health service areas.

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of--		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of--	
			Area	County				Area	County
140	AL	Jefferson	2.7	0.5	257	AL	Cullman	21.8	21.8
140	AL	Shelby	2.7	1.7	258	AL	Jackson	30.8	30.8
140	AL	St. Clair	2.7	15.3	409	AR	Sebastian	6.9	2.1
140	AL	Blount	2.7	17.4	409	OK	Le Flore	6.9	13.5
140	AL	Chilton	2.7	21.5	409	AR	Crawford	6.9	2.9
142	AL	Montgomery	4.9	1.2	409	AR	Logan	6.9	13.2
142	AL	Elmore	4.9	8.4	409	AR	Franklin	6.9	12.5
142	AL	Covington	4.9	13.1	409	OK	Haskell	6.9	28.3
142	AL	Autauga	4.9	12.1	409	AR	Scott	6.9	3.2
142	AL	Butler	4.9	4.1	413	AR	Pulaski	4.1	0.9
142	AL	Crenshaw	4.9	9.7	413	AR	Saline	4.1	3.0
142	AL	Lowndes	4.9	13.9	413	AR	Lonoke	4.1	5.7
165	AL	Tuscaloosa	9.0	4.7	413	AR	Arkansas	4.1	7.3
165	AL	Pickens	9.0	15.4	413	AR	Grant	4.1	29.1
165	AL	Bibb	9.0	30.5	413	AR	Monroe	4.1	29.6
165	AL	Greene	9.0	15.1	413	AR	Prairie	4.1	23.3
180	AL	Houston	8.4	3.1	413	AR	Perry	4.1	57.3
180	AL	Dale	8.4	3.7	427	AR	Pope	17.2	15.5
180	AL	Coffee	8.4	12.8	427	AR	Johnson	17.2	19.0
180	AL	Geneva	8.4	5.8	427	AR	Yell	17.2	19.7
180	FL	Holmes	8.4	54.4	429	AR	Baxter	11.7	12.2
180	AL	Henry	8.4	9.8	429	AR	Boone	11.7	6.4
181	AL	Dallas	15.8	4.3	429	AR	Carroll	11.7	16.4
181	AL	Clarke	15.8	27.3	429	AR	Marion	11.7	5.4
181	AL	Marengo	15.8	11.1	429	AR	Searcy	11.7	33.2
181	AL	Hale	15.8	55.2	429	AR	Newton	11.7	6.5
181	AL	Perry	15.8	11.3	433	AR	Craighead	15.6	7.9
181	AL	Wilcox	15.8	7.1	433	AR	Greene	15.6	4.6
193	AL	Lauderdale	8.6	3.5	433	AR	Poinsett	15.6	41.9
193	AL	Colbert	8.6	3.6	433	AR	Clay	15.6	29.5
193	TN	Lawrence	8.6	17.7	433	AR	Lawrence	15.6	16.3
193	AL	Franklin	8.6	14.8	433	AR	Randolph	15.6	8.9
193	TN	Wayne	8.6	20.4	438	AR	Phillips	15.4	10.6
198	AL	Madison	7.4	2.1	438	AR	Lee	15.4	27.3
198	AL	Marshall	7.4	20.8	441	AR	Hempstead	27.5	17.2
198	TN	Lincoln	7.4	20.8	441	AR	Howard	27.5	44.4
204	AL	Mobile	5.9	0.5	441	AR	Nevada	27.5	23.6
204	MS	Jackson	5.9	19.9	475	AR	Union	12.8	4.0
204	AL	Baldwin	5.9	7.0	475	AR	Ouachita	12.8	9.0
204	AL	Washington	5.9	28.0	475	AR	Dallas	12.8	66.4
204	MS	George	5.9	11.6	475	AR	Calhoun	12.8	22.8
205	AL	Escambia	33.0	38.5	487	AR	White	28.8	18.1
205	AL	Monroe	33.0	24.2	487	AR	Cleburne	28.8	38.9
205	AL	Conecuh	33.0	35.4	487	AR	Woodruff	28.8	68.4
215	AL	Walker	35.0	33.0	493	AR	Jefferson	18.9	19.5
215	AL	Winston	35.0	41.1	493	AR	Desha	18.9	22.6
219	AL	Etowah	13.8	6.8	493	AR	Drew	18.9	12.3
219	AL	De Kalb	13.8	23.0	493	AR	Lincoln	18.9	23.0
219	AL	Cherokee	13.8	30.5	493	AR	Bradley	18.9	9.6
226	AL	Morgan	15.5	13.7	493	AR	Cleveland	18.9	22.3
226	AL	Limestone	15.5	18.3	496	AR	Faulkner	47.6	53.6
226	AL	Lawrence	15.5	17.1	496	AR	Conway	47.6	36.4
227	AL	Lee	17.3	17.1	496	AR	Van Buren	47.6	36.9
227	AL	Chambers	17.3	14.5	497	AR	Garland	25.7	17.8
227	AL	Tallapoosa	17.3	18.4	497	AR	Hot Spring	25.7	37.1
227	AL	Macon	17.3	15.3	497	AR	Clark	25.7	29.6
227	AL	Bullock	17.3	26.3	497	AR	Pike	25.7	46.1
241	AL	Calhoun	13.0	6.5	497	AR	Montgomery	25.7	20.6
241	AL	Talladega	13.0	15.8	505	AR	Crittenden	32.1	42.7
241	AL	Clay	13.0	8.5	505	AR	St. Francis	32.1	18.4
241	AL	Cleburne	13.0	31.0	505	AR	Cross	32.1	25.2
241	AL	Coosa	13.0	52.2	510	AR	Columbia	35.7	31.3
248	AL	Pike	35.2	29.7	510	AR	Lafayette	35.7	47.5
248	AL	Barbour	35.2	39.2	515	AR	Ashley	38.7	47.0
248	GA	Quitman	35.2	52.6					

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
515	AR	Chicot . . . . .	38.7	27.8	764	CA	Yolo . . . . .	21.9	38.9
561	AR	Washington . . . . .	9.1	2.1	764	CA	Sutter . . . . .	21.9	7.1
561	AR	Benton . . . . .	9.1	2.9	764	CA	Yuba . . . . .	21.9	8.8
561	OK	Delaware . . . . .	9.1	43.7	764	CA	Colusa . . . . .	21.9	12.2
561	MO	Mc Donald . . . . .	9.1	36.7	773	CA	San Bernardino . . . . .	14.2	14.6
561	AR	Madison . . . . .	9.1	10.7	773	CA	Riverside . . . . .	14.2	13.7
596	AR	Independence . . . . .	19.6	9.8	776	CA	Los Angeles . . . . .	1.1	1.2
596	AR	Jackson . . . . .	19.6	10.6	776	CA	Orange . . . . .	1.1	0.9
596	AR	Sharp . . . . .	19.6	55.8	776	CA	Ventura . . . . .	1.1	0.8
596	AR	Izard . . . . .	19.6	27.2	789	CA	Butte . . . . .	7.8	7.6
596	AR	Stone . . . . .	19.6	22.1	789	CA	Tehama . . . . .	7.8	10.8
647	AR	Mississippi . . . . .	12.9	12.4	789	CA	Glenn . . . . .	7.8	4.3
647	MO	Pemiscot . . . . .	12.9	14.4	791	CA	Santa Barbara . . . . .	2.3	2.5
714	AZ	Graham . . . . .	19.6	23.5	791	CA	San Luis Obis. . . . .	2.3	1.9
714	AZ	Greenlee . . . . .	19.6	8.3	794	CA	Lassen . . . . .	27.2	29.5
727	AZ	Pima . . . . .	1.1	1.0	794	CA	Plumas . . . . .	27.2	24.0
727	AZ	Santa Cruz . . . . .	1.1	2.8	800	CA	Humboldt . . . . .	1.8	1.8
728	AZ	Maricopa . . . . .	1.2	0.5	801	CA	Inyo . . . . .	19.0	10.8
728	AZ	Pinal . . . . .	1.2	11.1	801	CA	Mono . . . . .	19.0	26.5
728	AZ	Gila . . . . .	1.2	6.1	801	NV	Esmeralda . . . . .	19.0	52.6
762	AZ	Coconino . . . . .	10.6	9.5	810	CA	Kern . . . . .	5.9	5.9
762	UT	Kane . . . . .	10.6	25.5	811	CA	Tulare . . . . .	10.1	10.1
762	UT	Garfield . . . . .	10.6	14.8	815	CA	Monterey . . . . .	5.7	5.7
783	AZ	Navajo . . . . .	46.7	47.2	818	CA	Imperial . . . . .	6.3	6.3
783	UT	San Juan . . . . .	46.7	44.1	819	CA	San Diego . . . . .	0.9	0.9
797	AZ	Yuma . . . . .	14.4	10.2	701	CO	Denver . . . . .	1.3	0.5
797	AZ	Mohave . . . . .	14.4	22.7	701	CO	Jefferson . . . . .	1.3	1.6
803	AZ	Cochise . . . . .	13.3	13.3	701	CO	Arapahoe . . . . .	1.3	0.7
824	AZ	Yavapai . . . . .	10.5	10.5	701	CO	Adams . . . . .	1.3	1.9
698	CA	Sacramento . . . . .	2.9	2.5	701	CO	Douglas . . . . .	1.3	2.2
698	CA	Placer . . . . .	2.9	4.4	701	CO	Elbert . . . . .	1.3	19.8
698	CA	Nevada . . . . .	2.9	7.5	701	CO	Clear Creek . . . . .	1.3	1.2
720	CA	Fresno . . . . .	2.5	1.5	701	CO	Park . . . . .	1.3	19.5
720	CA	Kings . . . . .	2.5	4.2	701	CO	Gilpin . . . . .	1.3	29.6
720	CA	Madera . . . . .	2.5	8.2	707	CO	Alamosa . . . . .	3.9	2.6
725	CA	San Francisco . . . . .	11.1	2.2	707	CO	Rio Grande . . . . .	3.9	2.8
725	CA	San Mateo . . . . .	11.1	21.7	707	CO	Conejos . . . . .	3.9	2.8
725	CA	Marin . . . . .	11.1	6.7	707	CO	Saguache . . . . .	3.9	13.4
730	CA	El Dorado . . . . .	19.6	24.5	707	CO	Costilla . . . . .	3.9	4.0
730	NV	Ormsby . . . . .	19.6	12.5	707	CO	Mineral . . . . .	3.9	5.0
730	NV	Douglas . . . . .	19.6	11.4	708	CO	Pueblo . . . . .	3.3	2.9
730	CA	Alpine . . . . .	19.6	25.5	708	CO	Huerfano . . . . .	3.3	10.9
734	CA	Sonoma . . . . .	9.4	8.8	732	CO	Kit Carson . . . . .	18.0	12.8
734	CA	Mendocino . . . . .	9.4	4.0	732	CO	Lincoln . . . . .	18.0	20.9
734	CA	Lake . . . . .	9.4	24.3	732	CO	Cheyenne . . . . .	18.0	25.7
736	CA	Stanislaus . . . . .	3.4	2.8	758	CO	Otero . . . . .	7.9	6.8
736	CA	Merced . . . . .	3.4	3.4	758	CO	Powers . . . . .	7.9	9.0
736	CA	Mariposa . . . . .	3.4	29.6	758	CO	Bent . . . . .	7.9	2.4
737	CA	San Joaquin . . . . .	10.5	10.2	758	CO	Crowley . . . . .	7.9	14.5
737	CA	Tuolumne . . . . .	10.5	7.1	758	CO	Kiowa . . . . .	7.9	12.8
737	CA	Calaveras . . . . .	10.5	8.1	767	CO	Garfield . . . . .	16.0	8.9
737	CA	Amador . . . . .	10.5	30.3	767	CO	Eagle . . . . .	16.0	13.5
746	CA	Shasta . . . . .	4.3	3.5	767	CO	Summit . . . . .	16.0	41.0
746	CA	Trinity . . . . .	4.3	13.7	767	CO	Pitkin . . . . .	16.0	6.1
747	CA	Alameda . . . . .	7.8	8.2	772	CO	Weld . . . . .	25.2	28.0
747	CA	Contra Costa . . . . .	7.8	7.1	772	CO	Morgan . . . . .	25.2	7.6
749	CA	Solano . . . . .	17.5	20.1	772	CO	Washington . . . . .	25.2	37.7
749	CA	Napa . . . . .	17.5	7.7	777	CO	Logan . . . . .	12.3	10.5
756	CA	Santa Clara . . . . .	3.8	4.0	777	CO	Phillips . . . . .	12.3	8.1
756	CA	Santa Cruz . . . . .	3.8	2.0	777	CO	Sedgwick . . . . .	12.3	33.9
756	CA	San Benito . . . . .	3.8	6.2	778	CO	Mesa . . . . .	1.3	1.3

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
784	CO	El Paso . . . . .	2.8	2.0	166	FL	Palm Beach . . . . .	7.6	5.5
784	CO	Fremont . . . . .	2.8	13.0	166	FL	St. Lucie . . . . .	7.6	9.9
784	CO	Teller . . . . .	2.8	2.8	166	FL	Marlin . . . . .	7.6	3.0
784	CO	Custer . . . . .	2.8	45.6	166	FL	Okeechobee . . . . .	7.6	11.6
785	CO	Montrose . . . . .	13.2	12.5	166	FL	Hendry . . . . .	7.6	42.9
785	CO	Delta . . . . .	13.2	13.3	166	FL	Glades . . . . .	7.6	32.7
785	CO	San Miguel . . . . .	13.2	19.4	182	FL	Polk . . . . .	6.4	5.7
785	CO	Ouray . . . . .	13.2	7.0	182	FL	Highlands . . . . .	6.4	4.0
787	CO	Routt . . . . .	8.7	5.0	182	FL	De Soto . . . . .	6.4	21.9
787	CO	Moffat . . . . .	8.7	12.3	182	FL	Hardee . . . . .	6.4	6.6
793	CO	Yuma . . . . .	39.9	41.2	214	FL	Orange . . . . .	1.8	0.8
793	NE	Dundy . . . . .	39.9	35.0	214	FL	Seminole . . . . .	1.8	0.9
796	CO	Chaffee . . . . .	9.9	6.1	214	FL	Lake . . . . .	1.8	9.7
796	CO	Lake . . . . .	9.9	15.6	214	FL	Osceola . . . . .	1.8	1.7
812	CO	Grand . . . . .	31.1	31.1	223	FL	Pinellas . . . . .	1.5	0.5
813	CO	Boulder . . . . .	16.8	16.8	223	FL	Hillsborough . . . . .	1.5	1.8
814	CO	Larimer . . . . .	6.3	6.3	223	FL	Pasco . . . . .	1.5	2.2
832	CO	Gunnison . . . . .	11.7	10.3	223	FL	Hernando . . . . .	1.5	8.4
832	CO	Hinsdale . . . . .	11.7	38.1	228	FL	Sarasota . . . . .	4.9	2.7
834	CO	Rio Blanco . . . . .	35.7	35.7	228	FL	Manatee . . . . .	4.9	4.2
7	CT	Hartford . . . . .	5.7	4.2	228	FL	Charlotte . . . . .	4.9	15.1
7	CT	Tolland . . . . .	5.7	4.4	234	FL	Dade . . . . .	2.0	2.0
7	CT	Windham . . . . .	5.7	19.2	234	FL	Monroe . . . . .	2.0	2.0
76	CT	Fairfield . . . . .	6.5	3.8	235	FL	Jackson . . . . .	27.2	29.5
76	CT	New Haven . . . . .	6.5	3.8	235	FL	Calhoun . . . . .	27.2	18.7
76	CT	Litchfield . . . . .	6.5	18.4	238	FL	Lee . . . . .	2.2	2.1
76	CT	Middlesex . . . . .	6.5	26.2	238	FL	Collier . . . . .	2.2	2.6
87	DE	New Castle . . . . .	11.5	6.8	244	FL	Marion . . . . .	28.7	28.0
87	MD	Cecil . . . . .	11.5	37.9	244	FL	Citrus . . . . .	28.7	13.9
97	DE	Sussex . . . . .	4.7	4.7	244	FL	Sumter . . . . .	28.7	63.4
97	DE	Kent . . . . .	4.7	6.3	247	FL	St. Johns . . . . .	35.9	32.5
97	MD	Wicomico . . . . .	4.7	3.2	247	FL	Putnam . . . . .	35.9	39.6
97	MD	Worcester . . . . .	4.7	4.2	253	FL	Brevard . . . . .	4.0	4.0
97	MD	Somerset . . . . .	4.7	2.6	254	FL	Indian River . . . . .	9.2	9.2
139	FL	Bay . . . . .	7.9	3.2	262	FL	Volusia . . . . .	11.5	11.2
139	FL	Washington . . . . .	7.9	40.1	262	FL	Flagler . . . . .	11.5	18.0
139	FL	Gulf . . . . .	7.9	3.5	263	FL	Broward . . . . .	6.8	6.8
139	FL	Franklin . . . . .	7.9	32.2	137	GA	Muscogee . . . . .	5.2	1.7
143	FL	Alachua . . . . .	4.0	1.1	137	AL	Russell . . . . .	5.2	4.8
143	FL	Columbia . . . . .	4.0	3.5	137	GA	Chattahoochee . . . . .	5.2	1.6
143	FL	Suwannee . . . . .	4.0	14.7	137	GA	Harris . . . . .	5.2	17.4
143	FL	Levy . . . . .	4.0	9.4	137	GA	Randolph . . . . .	5.2	33.3
143	FL	Bradford . . . . .	4.0	12.7	137	GA	Talbot . . . . .	5.2	18.6
143	FL	Union . . . . .	4.0	6.4	137	GA	Stewart . . . . .	5.2	14.7
143	FL	Dixie . . . . .	4.0	1.5	137	GA	Marion . . . . .	5.2	46.8
143	FL	Gilchrist . . . . .	4.0	0.0	137	GA	Clay . . . . .	5.2	42.2
145	FL	Duval . . . . .	1.6	0.9	138	GA	Richmond . . . . .	4.1	0.8
145	FL	Clay . . . . .	1.6	5.6	138	GA	Columbia . . . . .	4.1	0.7
145	FL	Nassau . . . . .	1.6	1.4	138	GA	Burke . . . . .	4.1	2.5
145	FL	Baker . . . . .	1.6	10.4	138	GA	Mc Duffie . . . . .	4.1	1.5
156	FL	Escambia . . . . .	2.5	1.7	138	GA	Washington . . . . .	4.1	26.5
156	FL	Okaloosa . . . . .	2.5	2.1	138	GA	Jefferson . . . . .	4.1	3.5
156	FL	Santa Rosa . . . . .	2.5	1.0	138	GA	Screven . . . . .	4.1	34.5
156	FL	Walton . . . . .	2.5	22.5	138	GA	Jenkins . . . . .	4.1	13.9
161	FL	Leon . . . . .	7.2	1.6	138	GA	Lincoln . . . . .	4.1	5.9
161	FL	Gadsden . . . . .	7.2	3.7	138	GA	Warren . . . . .	4.1	5.7
161	FL	Taylor . . . . .	7.2	11.3	138	GA	Glascok . . . . .	4.1	7.0
161	FL	Madison . . . . .	7.2	37.0	138	GA	Taliaferro . . . . .	4.1	32.1
161	FL	Wakulla . . . . .	7.2	2.4	141	GA	Floyd . . . . .	15.7	3.5
161	FL	Jefferson . . . . .	7.2	16.2	141	GA	Bartow . . . . .	15.7	34.3
161	FL	Lafayette . . . . .	7.2	75.3	141	GA	Polk . . . . .	15.7	5.1
161	FL	Liberty . . . . .	7.2	51.3	141	GA	Chattooga . . . . .	15.7	27.1
					147	GA	Lowndes . . . . .	9.9	2.5

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
147	GA	Cook	9.9	20.5	190	GA	Pulaski	22.4	38.7
147	GA	Berrien	9.9	34.8	195	GA	Clarke	21.0	4.0
147	FL	Hamilton	9.9	25.1	195	GA	Walton	21.0	47.0
147	GA	Lanier	9.9	5.1	195	GA	Barrow	21.0	46.4
147	GA	Echols	9.9	6.5	195	GA	Madison	21.0	17.1
150	GA	Fulton	3.0	2.1	195	GA	Oconee	21.0	4.1
150	GA	De Kalb	3.0	2.3	195	GA	Morgan	21.0	23.7
150	GA	Gwinnett	3.0	2.1	195	GA	Greene	21.0	14.1
150	GA	Clayton	3.0	2.2	195	GA	Oglethorpe	21.0	10.5
150	GA	Fayette	3.0	13.3	196	GA	Whitfield	12.4	5.6
150	GA	Henry	3.0	10.5	196	GA	Gordon	12.4	23.2
150	GA	Forsyth	3.0	18.5	196	GA	Murray	12.4	4.3
160	GA	Dougherty	7.2	2.5	196	GA	Gilmer	12.4	39.3
160	GA	Mitchell	7.2	23.2	197	GA	Glynn	19.5	6.3
160	GA	Worth	7.2	10.7	197	GA	Camden	19.5	42.8
160	GA	Lee	7.2	10.4	197	GA	Mc Intosh	19.5	28.7
160	GA	Terrell	7.2	6.9	202	GA	Crisp	45.1	30.3
160	GA	Baker	7.2	25.2	202	GA	Dooly	45.1	60.2
162	GA	Sumter	17.2	5.0	202	GA	Wilcox	45.1	74.7
162	GA	Macon	17.2	40.5	208	GA	Coffee	25.3	9.1
162	GA	Schley	17.2	19.4	208	GA	Appling	25.3	50.4
162	GA	Webster	17.2	39.0	208	GA	Jeff Davis	25.3	23.3
164	GA	Bibb	9.4	4.0	208	GA	Bacon	25.3	26.3
164	GA	Upson	9.4	5.1	208	GA	Atkinson	25.3	46.9
164	GA	Jones	9.4	6.8	212	GA	Laurens	21.6	10.3
164	GA	Monroe	9.4	6.1	212	GA	Dodge	21.6	19.9
164	GA	Lamar	9.4	21.4	212	GA	Telfair	21.6	33.0
164	GA	Wilkinson	9.4	41.6	212	GA	Johnson	21.6	29.7
164	GA	Twiggs	9.4	11.7	212	GA	Treutlen	21.6	41.9
164	GA	Pike	9.4	45.8	212	GA	Wheeler	21.6	47.9
164	GA	Taylor	9.4	36.5	220	GA	Decatur	26.4	25.6
164	GA	Crawford	9.4	18.4	220	GA	Seminole	26.4	29.1
169	GA	Cobb	43.4	48.9	222	GA	Rockdale	38.8	47.8
169	GA	Cherokee	43.4	48.3	222	GA	Newton	38.8	24.2
169	GA	Douglas	43.4	20.6	222	GA	Jasper	38.8	74.3
169	GA	Paulding	43.4	20.3	229	GA	Early	44.1	35.5
169	GA	Pickens	43.4	23.9	229	GA	Miller	44.1	43.8
170	GA	Ware	20.3	4.3	229	GA	Calhoun	44.1	66.5
170	GA	Pierce	20.3	6.9	230	GA	Chatham	3.5	0.9
170	GA	Brantley	20.3	58.5	230	GA	Liberty	3.5	2.0
170	GA	Charlton	20.3	63.5	230	GA	Effingham	3.5	3.0
170	GA	Clinch	20.3	20.8	230	GA	Wayne	3.5	6.6
172	GA	Bulloch	32.0	27.1	230	GA	Tattnall	3.5	38.1
172	GA	Emanuel	32.0	38.1	230	GA	Bryan	3.5	9.6
172	GA	Evans	32.0	38.0	230	GA	Long	3.5	6.0
172	GA	Candler	32.0	28.9	232	GA	Troup	21.2	9.9
175	GA	Thomas	17.3	5.1	232	GA	Coweta	21.2	24.1
175	GA	Grady	17.3	9.2	232	GA	Meriwether	21.2	39.2
175	GA	Brooks	17.3	56.6	232	GA	Heard	21.2	39.0
177	GA	Hall	17.3	9.6	249	GA	Carroll	26.4	23.5
177	GA	Jackson	17.3	41.1	249	AL	Randolph	26.4	33.0
177	GA	Habersham	17.3	18.8	249	GA	Haralson	26.4	28.8
177	GA	Lumpkin	17.3	6.2	252	GA	Wilkes	74.9	74.9
177	GA	White	17.3	6.5	259	GA	Toombs	36.7	34.9
177	GA	Banks	17.3	23.3	259	GA	Montgomery	36.7	44.6
177	GA	Dawson	17.3	39.2	267	GA	Spalding	22.4	19.0
178	GA	Tift	9.2	7.4	267	GA	Butts	22.4	35.1
178	GA	Ben Hill	9.2	8.0	268	GA	Colquitt	15.7	15.7
178	GA	Turner	9.2	16.1	320	IA	Dubuque	16.1	6.2
178	GA	Irwin	9.2	11.6	320	IA	Clinton	16.1	27.7
184	GA	Baldwin	29.2	26.3	320	IL	Jo Daviess	16.1	36.6
184	GA	Putnam	29.2	26.3	320	IA	Jackson	16.1	9.2
184	GA	Hancock	29.2	43.5	345	IA	Des Moines	19.5	12.8
190	GA	Houston	22.4	16.4					
190	GA	Peach	22.4	30.5					
190	GA	Bleckley	22.4	53.3					

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
345	IA	Lee . . . . .	19.5	13.0	623	IA	Audubon . . . . .	17.6	22.2
345	IL	Hancock . . . . .	19.5	29.2	637	IA	Jefferson . . . . .	36.6	41.1
345	IA	Henry . . . . .	19.5	17.2	637	IA	Van Buren . . . . .	36.6	27.4
345	IL	Henderson . . . . .	19.5	38.1	645	IA	Sioux . . . . .	21.4	11.7
345	MO	Clark . . . . .	19.5	54.9	645	IA	Obrien . . . . .	21.4	26.4
547	IA	Polk . . . . .	4.5	1.4	645	IA	Lyon . . . . .	21.4	42.8
547	IA	Warren . . . . .	4.5	2.5	653	IA	Winneshiek . . . . .	25.5	14.5
547	IA	Jasper . . . . .	4.5	16.8	653	IA	Allamakee . . . . .	25.5	37.6
547	IA	Marion . . . . .	4.5	11.8	653	IA	Howard . . . . .	25.5	30.3
547	IA	Dallas . . . . .	4.5	10.4	655	IA	Clayton . . . . .	47.5	50.4
547	IA	Madison . . . . .	4.5	10.5	655	IA	Delaware . . . . .	47.5	44.8
547	IA	Lucas . . . . .	4.5	20.4	657	IA	Clay . . . . .	17.5	16.5
547	IA	Clarke . . . . .	4.5	26.7	657	IA	Dickinson . . . . .	17.5	19.0
548	IA	Linn . . . . .	7.3	3.9	659	IA	Appanoose . . . . .	32.1	26.7
548	IA	Benton . . . . .	7.3	16.5	659	IA	Wayne . . . . .	32.1	43.4
548	IA	Jones . . . . .	7.3	28.1	660	IA	Carroll . . . . .	19.2	12.5
551	IA	Johnson . . . . .	13.6	4.2	660	IA	Calhoun . . . . .	19.2	36.3
551	IA	Muscatine . . . . .	13.6	6.9	663	IA	Guthrie . . . . .	47.4	46.7
551	IA	Washington . . . . .	13.6	3.3	663	IA	Greene . . . . .	47.4	48.0
551	IA	Cedar . . . . .	13.6	42.2	667	IA	Hardin . . . . .	40.9	39.2
551	IA	Iowa . . . . .	13.6	33.3	667	IA	Franklin . . . . .	40.9	43.6
551	IA	Keokuk . . . . .	13.6	47.0	675	IA	Marshall . . . . .	20.7	10.0
551	IA	Louisa . . . . .	13.6	36.3	675	IA	Poweshiek . . . . .	20.7	23.6
552	IA	Woodbury . . . . .	7.2	2.9	675	IA	Tama . . . . .	20.7	42.1
552	IA	Plymouth . . . . .	7.2	11.0	677	IA	Shelby . . . . .	29.0	29.0
552	NE	Dakota . . . . .	7.2	1.8	689	IA	Crawford . . . . .	20.4	20.4
552	IA	Monona . . . . .	7.2	18.2	691	IA	Scott . . . . .	17.8	17.8
552	SD	Union . . . . .	7.2	36.9	702	ID	Cassia . . . . .	17.4	16.8
552	NE	Thurston . . . . .	7.2	4.6	702	ID	Minidoka . . . . .	17.4	18.0
552	NE	Dixon . . . . .	7.2	29.0	703	ID	Twin Falls . . . . .	4.0	3.2
567	IA	Wapello . . . . .	18.5	14.6	703	ID	Jerome . . . . .	4.0	5.3
567	IA	Mahaska . . . . .	18.5	25.8	703	ID	Gooding . . . . .	4.0	3.6
567	IA	Davis . . . . .	18.5	17.3	703	ID	Lincoln . . . . .	4.0	14.7
567	IA	Monroe . . . . .	18.5	15.6	713	ID	Nez Perce . . . . .	5.4	5.1
572	IA	Black Hawk . . . . .	13.8	8.2	713	WA	Asotin . . . . .	5.4	4.9
572	IA	Bremer . . . . .	13.8	4.4	713	ID	Idaho . . . . .	5.4	7.3
572	IA	Fayette . . . . .	13.8	20.0	713	ID	Clearwater . . . . .	5.4	4.1
572	IA	Buchanan . . . . .	13.8	21.6	713	ID	Lewis . . . . .	5.4	4.8
572	IA	Butler . . . . .	13.8	29.9	713	WA	Garfield . . . . .	5.4	8.5
572	IA	Chickasaw . . . . .	13.8	22.8	716	ID	Ada . . . . .	1.3	0.7
572	IA	Grundy . . . . .	13.8	37.8	716	ID	Canyon . . . . .	1.3	0.8
584	IA	Union . . . . .	32.0	14.6	716	OR	Malheur . . . . .	1.3	1.1
584	IA	Adair . . . . .	32.0	40.9	716	ID	Payette . . . . .	1.3	1.2
584	IA	Taylor . . . . .	32.0	56.8	716	ID	Gem . . . . .	1.3	2.1
584	IA	Adams . . . . .	32.0	26.0	716	ID	Owyhee . . . . .	1.3	16.4
591	IA	Story . . . . .	11.9	9.6	716	ID	Washington . . . . .	1.3	3.1
591	IA	Boone . . . . .	11.9	17.3	716	ID	Boise . . . . .	1.3	0.8
591	IA	Hamilton . . . . .	11.9	14.2	724	ID	Valley . . . . .	22.6	21.5
592	IA	Cerro Gordo . . . . .	17.1	10.0	724	ID	Adams . . . . .	22.6	25.2
592	IA	Floyd . . . . .	17.1	24.4	726	ID	Bonner . . . . .	24.6	22.1
592	IA	Hancock . . . . .	17.1	17.5	726	MT	Sanders . . . . .	24.6	45.5
592	IA	Winnebago . . . . .	17.1	29.4	726	ID	Boundary . . . . .	24.6	7.7
592	IA	Worth . . . . .	17.1	25.2	744	ID	Kootenai . . . . .	12.7	12.1
603	IA	Webster . . . . .	19.8	15.3	744	ID	Shoshone . . . . .	12.7	5.8
603	IA	Wright . . . . .	19.8	30.0	744	ID	Benewah . . . . .	12.7	27.7
603	IA	Humboldt . . . . .	19.8	15.7	759	ID	Madison . . . . .	8.5	6.8
603	IA	Pocahontas . . . . .	19.8	29.6	759	ID	Fremont . . . . .	8.5	7.8
619	IA	Buena Vista . . . . .	20.2	14.7	759	ID	Teton . . . . .	8.5	23.2
619	IA	Cherokee . . . . .	20.2	20.9	761	ID	Bonneville . . . . .	16.5	5.7
619	IA	Sac . . . . .	20.2	33.4	761	ID	Bingham . . . . .	16.5	20.6
619	IA	Ida . . . . .	20.2	14.5	761	ID	Jefferson . . . . .	16.5	50.5
620	IA	Page . . . . .	22.5	15.1					
620	IA	Montgomery . . . . .	22.5	30.5					
620	IA	Fremont . . . . .	22.5	24.9					
623	IA	Cass . . . . .	17.6	15.2					

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
761	ID	Butte . . . . .	16.5	8.4	322	IL	Woodford . . . . .	8.3	28.7
761	ID	Clark . . . . .	16.5	45.0	322	IL	Mason . . . . .	8.3	44.7
771	ID	Bannock . . . . .	6.5	4.7	322	IL	Marshall . . . . .	8.3	42.0
771	ID	Carlbou . . . . .	6.5	20.5	322	IL	Stark . . . . .	8.3	35.9
771	ID	Power . . . . .	6.5	6.9	325	IL	Knox . . . . .	7.2	6.9
826	ID	Elmore . . . . .	13.9	13.9	325	IL	Warren . . . . .	7.2	8.0
830	ID	Blaine . . . . .	7.6	6.9	326	IL	Mc Donough . . . . .	10.7	8.7
830	ID	Camas . . . . .	7.6	20.7	326	IL	Schuyler . . . . .	10.7	19.1
833	ID	Lemhi . . . . .	29.0	5.7	328	IL	Effingham . . . . .	20.4	12.7
833	ID	Custer . . . . .	29.0	61.6	328	IL	Fayette . . . . .	20.4	19.9
281	IL	Champaign . . . . .	6.0	1.4	328	IL	Jasper . . . . .	20.4	47.6
281	IL	Coles . . . . .	6.0	4.3	329	IL	Rock Island . . . . .	12.6	10.0
281	IL	Douglas . . . . .	6.0	13.3	329	IL	Henry . . . . .	12.6	17.5
281	IL	Platt . . . . .	6.0	26.2	329	IL	Mercer . . . . .	12.6	22.6
281	IL	Ford . . . . .	6.0	15.5	335	IL	Macoupin . . . . .	46.4	58.7
281	IL	Cumberland . . . . .	6.0	37.4	335	IL	Montgomery . . . . .	46.4	27.3
285	IL	Winnebago . . . . .	7.7	3.2	340	IL	Stephenson . . . . .	32.6	25.8
285	IL	De Kalb . . . . .	7.7	15.4	340	IL	Carroll . . . . .	32.6	53.8
285	IL	Ogle . . . . .	7.7	23.7	348	IL	Jefferson . . . . .	24.9	21.5
285	IL	Boone . . . . .	7.7	7.4	348	IL	Wayne . . . . .	24.9	14.7
286	IL	Madison . . . . .	23.3	24.1	348	IL	Richland . . . . .	24.9	24.1
286	IL	Jersey . . . . .	23.3	4.1	348	IL	Clay . . . . .	24.9	21.8
286	IL	Greene . . . . .	23.3	39.0	348	IL	Hamilton . . . . .	24.9	50.6
286	IL	Calhoun . . . . .	23.3	12.4	348	IL	Edwards . . . . .	24.9	49.8
290	IL	Will . . . . .	41.5	44.2	350	IL	Kankakee . . . . .	9.6	6.2
290	IL	Grundy . . . . .	41.5	11.6	350	IL	Iroquois . . . . .	9.6	21.4
292	IL	Jackson . . . . .	10.7	3.9	354	IL	Marion . . . . .	20.1	14.7
292	IL	Williamson . . . . .	10.7	5.1	354	IL	Washington . . . . .	20.1	36.9
292	IL	Franklin . . . . .	10.7	10.2	368	IL	Whiteside . . . . .	25.9	24.0
292	IL	Perry . . . . .	10.7	14.8	368	IL	Lee . . . . .	25.9	29.0
292	IL	Union . . . . .	10.7	29.8	369	IL	Vermilion . . . . .	21.9	12.8
292	IL	Johnson . . . . .	10.7	48.0	369	IL	Edgar . . . . .	21.9	30.0
297	IL	Sangamon . . . . .	5.1	0.9	369	IN	Fountain . . . . .	21.9	43.7
297	IL	Morgan . . . . .	5.1	1.9	369	IN	Vermillion . . . . .	21.9	44.1
297	IL	Christian . . . . .	5.1	20.2	372	IL	St. Clair . . . . .	17.9	15.6
297	IL	Logan . . . . .	5.1	16.8	372	IL	Randolph . . . . .	17.9	13.9
297	IL	Cass . . . . .	5.1	12.9	372	IL	Clinton . . . . .	17.9	23.8
297	IL	Menard . . . . .	5.1	1.2	372	IL	Monroe . . . . .	17.9	40.0
297	IL	Scott . . . . .	5.1	12.0	372	IL	Bond . . . . .	17.9	32.8
302	IL	Adams . . . . .	10.5	2.0	272	IN	Vanderburgh . . . . .	6.7	0.7
302	MO	Marion . . . . .	10.5	2.2	272	IN	Warrick . . . . .	6.7	1.9
302	IL	Pike . . . . .	10.5	14.3	272	IN	Gibson . . . . .	6.7	5.1
302	MO	Pike . . . . .	10.5	26.9	272	IN	Saline . . . . .	6.7	15.4
302	MO	Lewis . . . . .	10.5	8.5	272	IN	Posey . . . . .	6.7	0.9
302	MO	Ralls . . . . .	10.5	12.9	272	IN	Spencer . . . . .	6.7	59.1
302	MO	Shelby . . . . .	10.5	49.7	272	IL	White . . . . .	6.7	13.3
302	IL	Brown . . . . .	10.5	59.7	272	IL	Wabash . . . . .	6.7	10.5
308	IL	La Salle . . . . .	14.8	11.4	272	IL	Gallatin . . . . .	6.7	6.6
308	IL	Livingston . . . . .	14.8	28.0	272	IL	Hardin . . . . .	6.7	33.3
308	IL	Bureau . . . . .	14.8	11.1	276	IN	Marion . . . . .	1.8	0.5
308	IL	Putnam . . . . .	14.8	5.3	276	IN	Hamilton . . . . .	1.8	3.9
309	IL	Cook . . . . .	1.4	1.4	276	IN	Johnson . . . . .	1.8	5.6
309	IL	Du Page . . . . .	1.4	0.6	276	IN	Hendricks . . . . .	1.8	1.8
309	IL	Lake . . . . .	1.4	0.6	276	IN	Morgan . . . . .	1.8	14.0
309	IL	Kane . . . . .	1.4	1.4	276	IN	Hancock . . . . .	1.8	3.1
309	IL	Mc Henry . . . . .	1.4	4.0	276	IN	Boone . . . . .	1.8	3.2
309	IL	Kendall . . . . .	1.4	19.5	282	IN	Bartholomew . . . . .	9.4	5.6
313	IL	Macon . . . . .	11.5	2.9	282	IN	Jackson . . . . .	9.4	16.0
313	IL	Mc Lean . . . . .	11.5	7.1	282	IN	Jennings . . . . .	9.4	8.6
313	IL	Shelby . . . . .	11.5	63.4	294	IN	Tippecanoe . . . . .	8.5	2.1
313	IL	De Witt . . . . .	11.5	19.8	294	IN	Clinton . . . . .	8.5	16.1
313	IL	Moultrie . . . . .	11.5	33.5	294	IN	White . . . . .	8.5	16.1
322	IL	Peoria . . . . .	8.3	0.7	294	IN	Carroll . . . . .	8.5	16.9
322	IL	Tazewell . . . . .	8.3	3.1	294	IN	Benton . . . . .	8.5	7.6
322	IL	Fulton . . . . .	8.3	22.0					

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
294	IN	Warren . . . . .	8.5	44.3	403	IN	Putnam . . . . .	41.4	41.4
295	IN	Vigo . . . . .	11.0	2.2	539	KS	Saline . . . . .	8.5	2.7
295	IN	Clay . . . . .	11.0	5.8	539	KS	Dickinson . . . . .	8.5	19.7
295	IN	Sullivan . . . . .	11.0	12.0	539	KS	Ellsworth . . . . .	8.5	26.0
295	IL	Clark . . . . .	11.0	40.8	539	KS	Ottawa . . . . .	8.5	6.5
295	IN	Parke . . . . .	11.0	53.1	539	KS	Lincoln . . . . .	8.5	17.4
304	IN	Allen . . . . .	4.5	1.7	545	KS	Riley . . . . .	5.0	3.7
304	IN	Noble . . . . .	4.5	22.4	545	KS	Geary . . . . .	5.0	3.5
304	IN	De Kalb . . . . .	4.5	2.8	545	KS	Pottawatomie . . . . .	5.0	13.6
304	IN	Whitley . . . . .	4.5	7.0	545	KS	Clay . . . . .	5.0	12.3
304	IN	Steuben . . . . .	4.5	11.9	549	KS	Shawnee . . . . .	8.6	2.7
310	IN	Lawrence . . . . .	17.6	14.8	549	KS	Jefferson . . . . .	8.6	32.5
310	IN	Dubois . . . . .	17.6	6.8	549	KS	Osage . . . . .	8.6	28.2
310	IN	Daviess . . . . .	17.6	27.1	549	KS	Jackson . . . . .	8.6	16.0
310	IN	Orange . . . . .	17.6	14.5	549	KS	Wabaunsee . . . . .	8.6	49.0
310	IN	Pike . . . . .	17.6	52.7	553	KS	Finney . . . . .	6.3	3.9
310	IN	Martin . . . . .	17.6	11.2	553	KS	Kearny . . . . .	6.3	5.7
315	IN	Delaware . . . . .	10.1	5.7	553	KS	Haskell . . . . .	6.3	25.9
315	IN	Randolph . . . . .	10.1	20.2	553	KS	Hamilton . . . . .	6.3	20.0
315	IN	Blackford . . . . .	10.1	25.8	558	KS	Ford . . . . .	12.4	5.9
318	IN	Madison . . . . .	10.7	10.6	558	KS	Gray . . . . .	12.4	35.4
318	IN	Howard . . . . .	10.7	3.0	558	KS	Kiowa . . . . .	12.4	25.7
318	IN	Miami . . . . .	10.7	22.5	558	KS	Clark . . . . .	12.4	13.6
318	IN	Tipton . . . . .	10.7	21.0	558	KS	Comanche . . . . .	12.4	7.5
330	IN	St. Joseph . . . . .	5.2	4.1	558	KS	Hodgeman . . . . .	12.4	20.6
330	IN	Marshall . . . . .	5.2	11.5	568	KS	Johnson . . . . .	21.9	29.5
332	IN	Ripley . . . . .	43.8	46.5	568	KS	Wyandotte . . . . .	21.9	13.6
332	IN	Decatur . . . . .	43.8	40.8	568	KS	Leavenworth . . . . .	21.9	8.3
333	IN	Lake . . . . .	4.8	3.2	568	KS	Miami . . . . .	21.9	17.1
333	IN	Porter . . . . .	4.8	6.7	568	KS	Linn . . . . .	21.9	58.2
333	IN	Jasper . . . . .	4.8	16.9	570	KS	Seward . . . . .	11.3	5.4
333	IN	Newton . . . . .	4.8	26.7	570	OK	Beaver . . . . .	11.3	24.3
337	IN	Knox . . . . .	16.5	10.8	570	KS	Stevens . . . . .	11.3	19.2
337	IL	Crawford . . . . .	16.5	21.1	570	KS	Meade . . . . .	11.3	18.6
337	IL	Lawrence . . . . .	16.5	25.0	574	KS	Grant . . . . .	29.2	34.0
338	IN	Monroe . . . . .	17.4	4.4	574	CO	Baca . . . . .	29.2	23.6
338	IN	Greene . . . . .	17.4	30.6	574	KS	Stanton . . . . .	29.2	20.2
338	IN	Owen . . . . .	17.4	27.8	578	KS	Ellis . . . . .	7.1	2.1
338	IN	Brown . . . . .	17.4	64.6	578	KS	Russell . . . . .	7.1	18.2
351	IN	Elkhart . . . . .	14.4	9.8	578	KS	Rooks . . . . .	7.1	8.8
351	IN	Kosciusko . . . . .	14.4	20.7	578	KS	Trego . . . . .	7.1	10.9
351	IN	Lagrange . . . . .	14.4	22.7	578	KS	Graham . . . . .	7.1	19.3
360	IN	Jefferson . . . . .	37.1	25.3	586	KS	Sedgwick . . . . .	2.4	1.2
360	KY	Carroll . . . . .	37.1	65.8	586	KS	Butler . . . . .	2.4	6.9
360	KY	Trimble . . . . .	37.1	44.2	586	KS	Sumner . . . . .	2.4	9.4
361	IN	Cass . . . . .	25.2	22.5	586	KS	Pratt . . . . .	2.4	14.1
361	IN	Fulton . . . . .	25.2	28.3	586	KS	Kingman . . . . .	2.4	12.6
361	IN	Pulaski . . . . .	25.2	28.2	589	KS	Barton . . . . .	9.4	5.3
371	IN	Adams . . . . .	18.5	16.0	589	KS	Pawnee . . . . .	9.4	4.1
371	IN	Wells . . . . .	18.5	17.2	589	KS	Stafford . . . . .	9.4	27.4
371	IN	Jay . . . . .	18.5	23.9	589	KS	Rush . . . . .	9.4	29.7
379	IN	La Porte . . . . .	14.9	10.4	589	KS	Edwards . . . . .	9.4	18.1
379	IN	Starke . . . . .	14.9	36.6	597	KS	Mitchell . . . . .	22.7	18.3
384	IN	Grant . . . . .	13.2	11.8	597	KS	Osborne . . . . .	22.7	29.0
384	IN	Wabash . . . . .	13.2	16.1	600	KS	Harvey . . . . .	13.7	14.4
386	IN	Shelby . . . . .	51.0	52.2	600	KS	Marion . . . . .	13.7	11.9
386	IN	Rush . . . . .	51.0	48.3	606	KS	Thomas . . . . .	15.3	10.7
391	IN	Wayne . . . . .	8.8	8.8	606	KS	Gove . . . . .	15.3	27.5
392	IN	Henry . . . . .	36.6	36.6	606	KS	Logan . . . . .	15.3	9.3
395	IN	Montgomery . . . . .	30.8	30.8	606	KS	Sheridan . . . . .	15.3	20.8
396	IN	Huntington . . . . .	35.0	35.0	611	KS	Sherman . . . . .	32.8	32.1
					611	KS	Cheyenne . . . . .	32.8	34.4
					614	KS	Phillips . . . . .	18.4	17.5
					614	KS	Norton . . . . .	18.4	13.0



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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
614	KS	Smith	18.4	26.9	22	KY	Lincoln	27.2	20.1
615	KS	Reno	14.8	10.7	22	KY	Casey	27.2	54.2
615	KS	McPherson	14.8	23.8	22	KY	Garrard	27.2	41.8
615	KS	Rice	14.8	16.3	31	KY	Calloway	20.7	7.2
616	KS	Montgomery	25.4	20.8	31	TN	Henry	20.7	18.9
616	KS	Wilson	25.4	33.5	31	TN	Benton	20.7	52.8
616	KS	Elk	25.4	62.0	33	KY	Mc Cracken	13.3	2.8
617	KS	Scott	21.9	18.8	33	KY	Marshall	13.3	34.4
617	KS	Wichita	21.9	14.5	33	IL	Massac.	13.3	10.2
617	KS	Wallace	21.9	53.6	33	KY	Livingston	13.3	4.8
617	KS	Greeley	21.9	9.2	33	KY	Crittenden	13.3	14.4
625	KS	Lyon	11.4	3.3	33	KY	Ballard	13.3	8.4
625	KS	Coffey	11.4	23.7	33	KY	Lyon	13.3	49.7
625	KS	Greenwood	11.4	23.5	33	KY	Carlisle	13.3	26.0
625	KS	Morris	11.4	35.5	33	IL	Pope	13.3	34.0
625	KS	Chase	11.4	17.6	44	KY	Bell	26.4	11.3
628	KS	Douglas	15.3	13.1	44	TN	Claiborne	26.4	49.8
628	KS	Franklin	15.3	20.2	45	KY	Rowan	33.4	12.7
628	KS	Anderson	15.3	20.1	45	KY	Mason	33.4	16.9
633	KS	Labette	14.9	16.2	45	KY	Fleming	33.4	17.0
633	KS	Neosho	14.9	11.2	45	KY	Morgan	33.4	44.0
633	KS	Allen	14.9	15.2	45	KY	Bath	33.4	41.9
633	KS	Woodson	14.9	22.8	45	KY	Bracken	33.4	54.7
636	KS	Marshall	34.8	31.5	45	KY	Wolfe	33.4	72.0
636	KS	Washington	34.8	41.8	45	KY	Elliott	33.4	53.7
641	KS	Crawford	14.9	19.0	45	KY	Menifee	33.4	43.9
641	KS	Bourbon	14.9	6.3	46	KY	Hardin	15.2	9.3
648	KS	Cowley	16.6	12.0	46	KY	Meade	15.2	37.1
648	KS	Chautauqua	16.6	54.5	46	KY	Grayson	15.2	14.3
656	KS	Cloud	21.8	24.8	46	KY	Breckinridge	15.2	34.6
656	KS	Republic	21.8	16.3	46	KY	Larue	15.2	16.7
668	KS	Atchison	20.6	11.3	47	KY	Laurel	28.0	26.6
668	KS	Brown	20.6	34.6	47	KY	Whitley	28.0	8.1
672	KS	Decatur	26.7	22.6	47	TN	Campbell	28.0	55.5
672	KS	Rawlins	26.7	31.6	47	KY	Knox	28.0	24.2
674	KS	Harper	15.1	17.1	63	KY	Pike	13.8	10.0
674	KS	Barber	15.1	13.1	63	KY	Floyd	13.8	5.1
678	KS	Nemaha	18.2	18.2	63	KY	Johnson	13.8	20.0
688	KS	Ness	35.1	20.1	63	KY	Knott	13.8	45.0
688	KS	Lane	35.1	66.4	63	KY	Magoffin	13.8	14.3
3	KY	Warren	7.4	4.2	83	KY	Perry	24.6	20.0
3	KY	Barren	7.4	2.1	83	KY	Breathitt	24.6	43.6
3	KY	Hart	7.4	21.7	83	KY	Leslie	24.6	18.2
3	KY	Allen	7.4	6.4	98	KY	Clinton	45.1	46.2
3	KY	Simpson	7.4	15.2	98	KY	Cumberland	45.1	43.6
3	KY	Monroe	7.4	5.2	100	KY	Logan	58.8	58.8
3	KY	Butler	7.4	16.2	101	KY	Hopkins	11.1	10.2
3	KY	Edmonson	7.4	12.9	101	KY	Muhlenberg	11.1	12.5
3	KY	Metcalfe	7.4	8.4	118	KY	Clay	39.7	35.0
4	KY	Pulaski	10.9	5.6	118	KY	Owsley	39.7	61.1
4	KY	Taylor	10.9	9.2	124	KY	Harlan	14.1	14.1
4	KY	Wayne	10.9	15.2	125	KY	Montgomery	43.5	43.5
4	KY	Mc Creary	10.9	4.4	134	KY	Henderson	19.0	13.5
4	KY	Adair	10.9	19.5	134	KY	Union	19.0	10.6
4	KY	Russell	10.9	13.0	134	KY	Webster	19.0	46.6
4	KY	Green	10.9	31.3	189	KY	Graves	26.5	56.8
16	KY	Madison	34.0	26.3	189	TN	Obion	26.5	5.6
16	KY	Estill	34.0	19.0	189	TN	Weakley	26.5	19.2
16	KY	Rockcastle	34.0	53.2	189	KY	Fulton	26.5	5.5
16	KY	Jackson	34.0	49.1	189	TN	Lake	26.5	39.6
16	KY	Lee	34.0	47.8	189	KY	Hickman	26.5	23.9
22	KY	Boyle	27.2	15.5	271	KY	Fayette	2.7	1.1
22	KY	Mercer	27.2	22.0	271	KY	Jessamine	2.7	1.5
					271	KY	Clark	2.7	2.6

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
271	KY	Scott . . . . .	2.7	5.0	445	LA	St. John the Baptist . . . . .	2.1	8.7
271	KY	Woodford . . . . .	2.7	5.8	445	LA	Plaquemines . . . . .	2.1	1.7
271	KY	Bourbon . . . . .	2.7	2.9	446	LA	Lincoln . . . . .	50.2	51.3
271	KY	Harrison . . . . .	2.7	1.6	446	LA	Jackson . . . . .	50.2	33.4
271	KY	Powell . . . . .	2.7	22.4	446	LA	Winn . . . . .	50.2	64.4
271	KY	Nicholas . . . . .	2.7	6.7	451	LA	Lafayette . . . . .	2.2	0.9
271	KY	Robertson . . . . .	2.7	21.2	451	LA	St. Landry . . . . .	2.2	2.1
287	KY	Jefferson . . . . .	3.4	1.3	451	LA	Iberia . . . . .	2.2	1.3
287	IN	Clark . . . . .	3.4	1.6	451	LA	Acadia . . . . .	2.2	3.5
287	IN	Floyd . . . . .	3.4	0.8	451	LA	Vermilion . . . . .	2.2	1.3
287	KY	Bullitt . . . . .	3.4	5.6	451	LA	St. Martin . . . . .	2.2	1.7
287	KY	Oldham . . . . .	3.4	1.2	451	LA	Evangeline . . . . .	2.2	10.8
287	IN	Harrison . . . . .	3.4	1.7	459	LA	Calcasieu . . . . .	8.6	1.4
287	IN	Washington . . . . .	3.4	11.3	459	LA	Vernon . . . . .	8.6	14.3
287	IN	Scott . . . . .	3.4	21.6	459	LA	Beauregard . . . . .	8.6	2.4
287	KY	Henry . . . . .	3.4	52.3	459	LA	Jefferson Davis . . . . .	8.6	29.0
287	IN	Crawford . . . . .	3.4	44.9	459	LA	Allen . . . . .	8.6	26.9
287	KY	Spencer . . . . .	3.4	40.2	459	LA	Cameron . . . . .	8.6	5.1
317	KY	Franklin . . . . .	35.5	25.9	469	LA	St. Tammany . . . . .	31.1	39.9
317	KY	Shelby . . . . .	35.5	39.8	469	LA	Washington . . . . .	31.1	10.5
317	KY	Anderson . . . . .	35.5	45.1	469	MS	Pearl River . . . . .	31.1	21.5
317	KY	Owen . . . . .	35.5	62.5	518	LA	Tangipahoa . . . . .	45.4	17.4
377	KY	Daviess . . . . .	8.7	2.8	518	LA	Livingston . . . . .	45.4	84.5
377	KY	Ohio . . . . .	8.7	9.0	518	LA	St. Helena . . . . .	45.4	28.5
377	IN	Perry . . . . .	8.7	36.4	28	MA	Middlesex . . . . .	4.5	5.8
377	KY	Mc Lean . . . . .	8.7	21.2	28	MA	Suffolk . . . . .	4.5	1.2
377	KY	Hancock . . . . .	8.7	4.8	28	MA	Norfolk . . . . .	4.5	5.0
390	KY	Nelson . . . . .	43.9	59.0	28	MA	Plymouth . . . . .	4.5	5.5
390	KY	Marion . . . . .	43.9	18.2	48	MA	Hampden . . . . .	2.5	2.1
390	KY	Washington . . . . .	43.9	42.3	48	MA	Hampshire . . . . .	2.5	4.2
411	LA	East Baton Rouge . . . . .	2.4	1.3	88	MA	Essex . . . . .	19.8	19.0
411	LA	Ascension . . . . .	2.4	7.1	88	NH	Rockingham . . . . .	19.8	28.0
411	LA	Iberville . . . . .	2.4	0.9	88	NH	Strafford . . . . .	19.8	5.7
411	LA	Pointe Coupee . . . . .	2.4	4.1	89	MA	Berkshire . . . . .	15.9	4.1
411	LA	West Baton Rouge . . . . .	2.4	0.9	89	NY	Columbia . . . . .	15.9	29.5
411	LA	East Feliciana . . . . .	2.4	8.8	89	NY	Greene . . . . .	15.9	34.8
411	LA	West Feliciana . . . . .	2.4	6.1	99	MA	Worcester . . . . .	14.4	13.5
412	LA	Caddo . . . . .	2.8	0.7	99	MA	Franklin . . . . .	14.4	24.6
412	LA	Bossier . . . . .	2.8	0.6	102	MA	Bristol . . . . .	22.6	23.9
412	LA	Webster . . . . .	2.8	1.0	102	RI	Newport . . . . .	22.6	14.9
412	LA	Natchitoches . . . . .	2.8	18.9	121	MA	Barnstable . . . . .	22.6	22.6
412	LA	De Soto . . . . .	2.8	1.5	135	MA	Nantucket . . . . .	8.9	8.9
412	LA	Sabine . . . . .	2.8	5.2	136	MA	Dukes . . . . .	7.8	7.8
412	LA	Claiborne . . . . .	2.8	5.2	27	MD	Montgomery . . . . .	3.5	3.2
412	LA	Bienville . . . . .	2.8	17.8	27	MD	Prince Georges . . . . .	3.5	5.0
412	LA	Red River . . . . .	2.8	0.5	27	DC	The District . . . . .	3.5	1.8
418	LA	Ouachita . . . . .	4.2	1.6	27	MD	Charles . . . . .	3.5	4.4
418	LA	Morehouse . . . . .	4.2	1.3	30	MD	Baltimore . . . . .	6.0	0.7
418	LA	Franklin . . . . .	4.2	11.1	30	MD	Anne Arundel . . . . .	6.0	18.8
418	LA	Richland . . . . .	4.2	1.6	30	MD	Harford . . . . .	6.0	1.5
418	LA	Union . . . . .	4.2	18.1	30	MD	Howard . . . . .	6.0	24.3
418	LA	West Carroll . . . . .	4.2	3.9	30	MD	Carroll . . . . .	6.0	13.1
418	LA	Caldwell . . . . .	4.2	2.8	70	MD	Allegany . . . . .	7.7	3.1
418	LA	East Carroll . . . . .	4.2	14.4	70	WV	Mineral . . . . .	7.7	3.1
424	LA	Rapides . . . . .	5.6	2.2	70	MD	Garrett . . . . .	7.7	17.9
424	LA	Avoyelles . . . . .	5.6	9.9	70	WV	Grant . . . . .	7.7	22.7
424	LA	Grant . . . . .	5.6	6.7	91	MD	Queen Annes . . . . .	16.1	35.6
424	LA	La Salle . . . . .	5.6	24.8	91	MD	Dorchester . . . . .	16.1	8.7
436	LA	Terrebonne . . . . .	12.9	2.4	91	MD	Talbot . . . . .	16.1	5.7
436	LA	Lafourche . . . . .	12.9	3.4	91	MD	Caroline . . . . .	16.1	12.5
436	LA	St. Mary . . . . .	12.9	26.9	91	MD	Kent . . . . .	16.1	14.7
436	LA	Assumption . . . . .	12.9	15.7	94	MD	St. Marys . . . . .	23.8	19.9
436	LA	St. James . . . . .	12.9	52.4	94	MD	Calvert . . . . .	23.8	30.9
445	LA	Orleans . . . . .	2.1	0.4					
445	LA	Jefferson . . . . .	2.1	1.7					
445	LA	St. Bernard . . . . .	2.1	0.7					
445	LA	St. Charles . . . . .	2.1	19.7					

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
114	MD	Frederick . . . . .	37.1	37.1	323	MI	Roscommon . . . . .	47.2	64.7
11	ME	Penobscot . . . . .	3.0	3.4	323	MI	Crawford . . . . .	47.2	25.7
11	ME	Hancock . . . . .	3.0	1.3	336	MI	Houghton . . . . .	3.8	2.6
11	ME	Washington . . . . .	3.0	4.0	336	MI	Baraga . . . . .	3.8	8.4
11	ME	Piscataquis . . . . .	3.0	2.1	336	MI	Keweenaw . . . . .	3.8	5.4
23	ME	Kennebec . . . . .	15.1	14.5	339	MI	Montcalm . . . . .	22.3	29.8
23	ME	Somerset . . . . .	15.1	16.3	339	MI	Gratiot . . . . .	22.3	11.9
50	ME	Cumberland . . . . .	13.9	3.3	341	MI	St. Clair . . . . .	24.0	22.4
50	ME	York . . . . .	13.9	29.2	341	MI	Sanilac . . . . .	24.0	30.0
50	ME	Sagadahoc . . . . .	13.9	6.3	352	MI	Midland . . . . .	15.2	8.7
50	ME	Lincoln . . . . .	13.9	27.2	352	MI	Isabella . . . . .	15.2	26.9
96	ME	Androscoggin . . . . .	12.0	10.5	352	MI	Clare . . . . .	15.2	11.3
96	ME	Oxford . . . . .	12.0	19.0	352	MI	Gladwin . . . . .	15.2	16.5
96	ME	Franklin . . . . .	12.0	5.8	355	MI	Muskegon . . . . .	15.5	8.8
112	ME	Knox . . . . .	26.6	12.1	355	MI	Newaygo . . . . .	15.5	42.0
112	ME	Waldo . . . . .	26.6	43.3	355	MI	Oceana . . . . .	15.5	18.5
132	ME	Aroostook . . . . .	3.5	3.5	357	MI	Delta . . . . .	5.6	5.1
273	MI	Grand Traverse . . . . .	2.5	1.4	357	MI	Schoolcraft . . . . .	5.6	5.6
273	MI	Leelanau . . . . .	2.5	0.7	357	MI	Luce . . . . .	5.6	8.3
273	MI	Kalkaska . . . . .	2.5	7.5	370	MI	Gogebic . . . . .	14.8	11.2
273	MI	Benzie . . . . .	2.5	5.0	370	WI	Ashland . . . . .	14.8	14.2
274	MI	Ingham . . . . .	4.9	3.1	370	WI	Bayfield . . . . .	14.8	14.2
274	MI	Eaton . . . . .	4.9	7.4	370	WI	Iron . . . . .	14.8	28.8
274	MI	Clinton . . . . .	4.9	10.5	374	MI	St. Joseph . . . . .	25.3	26.8
293	MI	Emmet . . . . .	16.6	0.6	374	MI	Hillsdale . . . . .	25.3	25.5
293	MI	Cheboygan . . . . .	16.6	4.0	374	MI	Branch . . . . .	25.3	22.8
293	MI	Charlevoix . . . . .	16.6	2.9	383	MI	Mason . . . . .	13.9	4.2
293	MI	Antrim . . . . .	16.6	67.5	383	MI	Manistee . . . . .	13.9	26.7
293	MI	Mackinac . . . . .	16.6	32.3	385	MI	Calhoun . . . . .	18.2	9.4
296	MI	Alpena . . . . .	21.3	6.1	385	MI	Barry . . . . .	18.2	43.6
296	MI	Otsego . . . . .	21.3	32.4	393	MI	Monroe . . . . .	51.2	51.2
296	MI	Presque Isle . . . . .	21.3	32.0	398	MI	Chippewa . . . . .	13.0	13.0
296	MI	Alcona . . . . .	21.3	37.8	400	MI	Huron . . . . .	19.6	19.6
296	MI	Montmorency . . . . .	21.3	17.0	401	MI	Jackson . . . . .	17.2	17.2
298	MI	Mecosta . . . . .	18.0	27.7	402	MI	Lenawee . . . . .	18.5	18.5
298	MI	Wexford . . . . .	18.0	16.2	835	MI	Ontonagon . . . . .	38.7	38.7
298	MI	Osceola . . . . .	18.0	7.5	280	MN	St. Louis . . . . .	1.0	0.8
298	MI	Missaukee . . . . .	18.0	10.1	280	WI	Douglas . . . . .	1.0	2.1
298	MI	Lake . . . . .	18.0	26.3	280	MN	Carlton . . . . .	1.0	0.8
303	MI	Kalamazoo . . . . .	8.7	2.8	280	MN	Lake . . . . .	1.0	0.7
303	MI	Berrien . . . . .	8.7	10.0	280	MN	Cook . . . . .	1.0	2.5
303	MI	Van Buren . . . . .	8.7	8.2	289	MN	Hennepin . . . . .	7.3	3.5
303	MI	Cass . . . . .	8.7	34.3	289	MN	Anoka . . . . .	7.3	10.1
305	MI	Wayne . . . . .	1.0	0.4	289	MN	Wright . . . . .	7.3	17.2
305	MI	Oakland . . . . .	1.0	1.7	289	MN	Carver . . . . .	7.3	29.2
305	MI	Macomb . . . . .	1.0	0.7	289	MN	Sherburne . . . . .	7.3	41.4
305	MI	Washtenaw . . . . .	1.0	1.5	289	MN	Isanti . . . . .	7.3	14.0
305	MI	Livingston . . . . .	1.0	9.6	312	MN	Dakota . . . . .	47.9	59.3
306	MI	Genesee . . . . .	5.9	1.5	312	MN	Scott . . . . .	47.9	26.4
306	MI	Saginaw . . . . .	5.9	3.2	312	MN	Rice . . . . .	47.9	15.7
306	MI	Lapeer . . . . .	5.9	20.0	312	MN	Le Sueur . . . . .	47.9	40.4
306	MI	Shiawassee . . . . .	5.9	25.1	321	MN	Ramsey . . . . .	24.1	25.8
306	MI	Tuscola . . . . .	5.9	12.0	321	MN	Washington . . . . .	24.1	12.5
307	MI	Bay . . . . .	17.3	22.4	321	WI	St. Croix . . . . .	24.1	12.1
307	MI	Iosco . . . . .	17.3	5.2	321	WI	Pierce . . . . .	24.1	52.0
307	MI	Ogemaw . . . . .	17.3	7.1	321	MN	Chisago . . . . .	24.1	34.6
307	MI	Arenac . . . . .	17.3	10.2	364	MN	Winona . . . . .	42.8	34.5
307	MI	Oscoda . . . . .	17.3	43.7	364	WI	Buffalo . . . . .	42.8	69.2
311	MI	Marquette . . . . .	2.2	1.5	566	MN	Beltrami . . . . .	5.3	3.1
311	MI	Alger . . . . .	2.2	9.1	566	MN	Hubbard . . . . .	5.3	5.7
319	MI	Kent . . . . .	6.6	1.3	566	MN	Clearwater . . . . .	5.3	14.8
319	MI	Ottawa . . . . .	6.6	3.6					
319	MI	Allegan . . . . .	6.6	23.4					
319	MI	Ionia . . . . .	6.6	41.2					

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
576	MN	Olmsted . . . . .	8.0	0.8	324	MO	Cape Girardeau . . . . .	17.7	3.0
576	MN	Goodhue . . . . .	8.0	14.1	324	MO	Scott . . . . .	17.7	6.0
576	MN	Fillmore . . . . .	8.0	38.7	324	MO	New Madrid . . . . .	17.7	55.7
576	MN	Wabasha . . . . .	8.0	2.5	324	MO	Perry . . . . .	17.7	15.9
576	MN	Dodge . . . . .	8.0	13.8	324	MO	Mississippi . . . . .	17.7	5.3
583	MN	Becker . . . . .	27.3	27.6	324	IL	Alexander . . . . .	17.7	36.3
583	MN	Mahnomen . . . . .	27.3	25.8	324	MO	Bollinger . . . . .	17.7	17.2
587	MN	Crow Wing . . . . .	24.4	7.2	324	IL	Pulaski . . . . .	17.7	50.1
587	MN	Cass . . . . .	24.4	56.1	543	MO	Jasper . . . . .	8.5	4.9
588	MN	Nobles . . . . .	18.0	17.7	543	MO	Newton . . . . .	8.5	9.7
588	MN	Cottonwood . . . . .	18.0	14.7	543	KS	Cherokee . . . . .	8.5	13.4
588	MN	Jackson . . . . .	18.0	18.6	543	MO	Barton . . . . .	8.5	23.9
588	MN	Murray . . . . .	18.0	21.7	544	MO	Phelps . . . . .	15.3	9.5
588	IA	Osceola . . . . .	18.0	17.8	544	MO	Crawford . . . . .	15.3	29.5
598	MN	Otter Tail . . . . .	19.6	15.8	544	MO	Dent . . . . .	15.3	10.3
598	MN	Wadena . . . . .	19.6	23.8	550	MO	Greene . . . . .	7.0	1.1
598	MN	Grant . . . . .	19.6	40.2	550	MO	Lawrence . . . . .	7.0	8.8
610	MN	Kandiyohi . . . . .	7.9	6.0	550	MO	Christian . . . . .	7.0	1.4
610	MN	Chippewa . . . . .	7.9	2.3	550	MO	Barry . . . . .	7.0	26.6
610	MN	Yellow Medici . . . . .	7.9	15.7	550	MO	Laclede . . . . .	7.0	14.2
610	MN	Swift . . . . .	7.9	9.3	550	MO	Taney . . . . .	7.0	3.6
610	MN	Lac Qui Parle . . . . .	7.9	11.8	550	MO	Webster . . . . .	7.0	6.0
612	MN	Douglas . . . . .	9.7	7.0	550	MO	Polk . . . . .	7.0	3.1
612	MN	Pope . . . . .	9.7	16.8	550	MO	Stone . . . . .	7.0	4.1
613	MN	Pine . . . . .	50.8	58.4	550	MO	Dallas . . . . .	7.0	10.3
613	MN	Kanabec . . . . .	50.8	38.6	550	MO	Douglas . . . . .	7.0	51.1
622	MN	Roseau . . . . .	16.5	17.8	550	MO	Dade . . . . .	7.0	20.9
622	MN	Lake of the Woods . . . . .	16.5	11.6	550	MO	Hickory . . . . .	7.0	31.1
624	MN	Freeborn . . . . .	15.8	12.1	555	MO	St. Louis . . . . .	1.5	0.7
624	MN	Faribault . . . . .	15.8	22.4	555	MO	St. Louis Cit. . . . .	1.5	1.6
631	MN	Lyon . . . . .	15.3	11.7	555	MO	St. Charles . . . . .	1.5	0.8
631	MN	Lincoln . . . . .	15.3	30.8	555	MO	Jefferson . . . . .	1.5	1.3
634	MN	Blue Earth . . . . .	11.6	5.2	555	MO	Franklin . . . . .	1.5	6.1
634	MN	Nicollet . . . . .	11.6	18.0	555	MO	Lincoln . . . . .	1.5	2.7
634	MN	Waseca . . . . .	11.6	18.6	555	MO	Warren . . . . .	1.5	2.7
634	MN	Watonwan . . . . .	11.6	13.2	555	MO	Gasconade . . . . .	1.5	34.9
644	MN	Brown . . . . .	20.9	8.3	559	MO	Boone . . . . .	6.8	1.6
644	MN	Renville . . . . .	20.9	35.4	559	MO	Randolph . . . . .	6.8	1.3
644	MN	Redwood . . . . .	20.9	25.9	559	MO	Audrain . . . . .	6.8	5.2
651	MN	Mc Leod . . . . .	36.0	23.9	559	MO	Cooper . . . . .	6.8	15.3
651	MN	Meeker . . . . .	36.0	41.7	559	MO	Linn . . . . .	6.8	17.7
651	MN	Sibley . . . . .	36.0	55.9	559	MO	Montgomery . . . . .	6.8	34.5
658	MN	Stearns . . . . .	11.6	6.8	559	MO	Chariton . . . . .	6.8	2.6
658	MN	Morrison . . . . .	11.6	8.3	559	MO	Howard . . . . .	6.8	1.0
658	MN	Benton . . . . .	11.6	7.9	559	MO	Monroe . . . . .	6.8	41.7
658	MN	Todd . . . . .	11.6	43.1	577	MO	Adair . . . . .	17.6	4.2
664	MN	Martin . . . . .	16.9	9.6	577	MO	Macon . . . . .	17.6	37.6
664	IA	Kossuth . . . . .	16.9	25.6	577	MO	Sullivan . . . . .	17.6	22.3
664	IA	Emmet . . . . .	16.9	17.2	577	MO	Putnam . . . . .	17.6	21.7
664	IA	Palo Alto . . . . .	16.9	17.2	577	MO	Scotland . . . . .	17.6	17.0
666	MN	Itasca . . . . .	20.4	17.0	577	MO	Knox . . . . .	17.6	22.6
666	MN	Aitkin . . . . .	20.4	33.7	577	MO	Schuyler . . . . .	17.6	10.0
669	MN	Mower . . . . .	22.5	21.5	580	MO	Jackson . . . . .	8.3	6.8
669	IA	Mitchell . . . . .	22.5	25.8	580	MO	Clay . . . . .	8.3	5.1
670	MN	Pipestone . . . . .	21.4	24.8	580	MO	Cass . . . . .	8.3	13.8
670	MN	Rock . . . . .	21.4	17.7	580	MO	Platte . . . . .	8.3	15.8
680	MN	Mille Lacs . . . . .	22.1	22.1	580	MO	Ray . . . . .	8.3	8.4
683	MN	Steele . . . . .	28.6	28.6	580	MO	Clinton . . . . .	8.3	34.4
685	MN	Stevens . . . . .	13.2	13.2	580	MO	Bates . . . . .	8.3	37.4
692	MN	Koochiching . . . . .	15.3	15.3	585	MO	Livingston . . . . .	25.0	14.8
					585	MO	Grundy . . . . .	25.0	9.2
					585	MO	Daviess . . . . .	25.0	26.9
					585	MO	Caldwell . . . . .	25.0	50.8
					585	MO	Mercer . . . . .	25.0	48.9
					590	MO	St. Francois . . . . .	18.7	18.4
					590	MO	Washington . . . . .	18.7	24.3
					590	MO	Madison . . . . .	18.7	9.7

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
590	MO	Iron . . . . .	18.7	18.2	417	AL	Choctaw . . . . .	16.0	25.2
593	MO	Butler . . . . .	19.8	2.4	417	AL	Sumter . . . . .	16.0	30.2
593	MO	Dunklin . . . . .	19.8	32.2	417	MS	Clarke . . . . .	16.0	26.3
593	MO	Stoddard . . . . .	19.8	30.3	417	MS	Kemper . . . . .	16.0	9.1
593	MO	Ripley . . . . .	19.8	8.8	420	MS	Pike . . . . .	21.1	8.0
593	MO	Wayne . . . . .	19.8	21.0	420	MS	Lincoln . . . . .	21.1	25.5
593	MO	Reynolds . . . . .	19.8	47.4	420	MS	Walthall . . . . .	21.1	10.5
593	MO	Carter . . . . .	19.8	6.1	420	MS	Amite . . . . .	21.1	40.8
601	MO	Cole . . . . .	30.1	21.0	420	MS	Lawrence . . . . .	21.1	38.7
601	MO	Callaway . . . . .	30.1	45.7	423	MS	Coahoma . . . . .	9.6	5.9
601	MO	Camden . . . . .	30.1	31.7	423	MS	Quitman . . . . .	9.6	9.0
601	MO	Miller . . . . .	30.1	18.3	423	MS	Tunica . . . . .	9.6	24.3
601	MO	Morgan . . . . .	30.1	58.5	431	MS	Lafayette . . . . .	26.2	38.6
601	MO	Moniteau . . . . .	30.1	25.0	431	MS	Grenada . . . . .	26.2	7.5
601	MO	Osage . . . . .	30.1	14.8	431	MS	Calhoun . . . . .	26.2	40.8
601	MO	Maries . . . . .	30.1	50.5	431	MS	Yalobusha . . . . .	26.2	18.8
602	MO	Henry . . . . .	21.1	17.5	444	MS	Harrison . . . . .	10.4	4.8
602	MO	St. Clair . . . . .	21.1	30.6	444	MS	Hancock . . . . .	10.4	25.3
604	MO	Buchanan . . . . .	10.2	6.5	444	MS	Stone . . . . .	10.4	73.8
604	MO	Nodaway . . . . .	10.2	8.7	447	MS	Monroe . . . . .	34.4	19.0
604	MO	Andrew . . . . .	10.2	3.2	447	AL	Marion . . . . .	34.4	54.6
604	KS	Doniphan . . . . .	10.2	35.9	447	AL	Fayette . . . . .	34.4	45.8
604	MO	De Kalb . . . . .	10.2	32.2	447	AL	Lamar . . . . .	34.4	29.2
604	MO	Atchison . . . . .	10.2	23.3	449	MS	Lee . . . . .	11.5	2.7
604	MO	Gentry . . . . .	10.2	7.2	449	MS	Alcorn . . . . .	11.5	17.4
604	MO	Holt . . . . .	10.2	4.9	449	MS	Prentiss . . . . .	11.5	2.0
604	MO	Worth . . . . .	10.2	21.4	449	MS	Union . . . . .	11.5	3.6
621	MO	Vernon . . . . .	32.3	31.7	449	MS	Pontotoc . . . . .	11.5	4.5
621	MO	Cedar . . . . .	32.3	33.3	449	MS	Itawamba . . . . .	11.5	22.5
632	MO	Howell . . . . .	24.9	14.7	449	MS	Tippah . . . . .	11.5	8.6
632	AR	Fulton . . . . .	24.9	23.4	449	MS	Chickasaw . . . . .	11.5	34.4
632	MO	Oregon . . . . .	24.9	17.3	449	MS	Tishomingo . . . . .	11.5	24.9
632	MO	Ozark . . . . .	24.9	63.9	449	MS	Benton . . . . .	11.5	29.0
632	MO	Shannon . . . . .	24.9	36.0	452	MS	Oktibbeha . . . . .	13.1	9.4
635	MO	Johnson . . . . .	40.6	24.5	452	MS	Winston . . . . .	13.1	20.0
635	MO	Lafayette . . . . .	40.6	56.1	452	MS	Webster . . . . .	13.1	11.5
635	MO	Carroll . . . . .	40.6	68.4	452	MS	Choctaw . . . . .	13.1	14.4
639	MO	Pettis . . . . .	31.7	17.0	454	MS	Adams . . . . .	21.2	7.5
639	MO	Saline . . . . .	31.7	46.8	454	LA	Concordia . . . . .	21.2	17.3
639	MO	Benton . . . . .	31.7	50.2	454	LA	Catahoula . . . . .	21.2	37.3
654	MO	Harrison . . . . .	38.9	55.3	454	MS	Jefferson . . . . .	21.2	27.6
654	IA	Decatur . . . . .	38.9	24.2	454	MS	Franklin . . . . .	21.2	52.3
654	IA	Ringgold . . . . .	38.9	34.3	454	LA	Tensas . . . . .	21.2	35.3
671	MO	Texas . . . . .	57.1	58.7	457	MS	Warren . . . . .	20.2	15.5
671	MO	Wright . . . . .	57.1	55.3	457	LA	Madison . . . . .	20.2	29.1
679	MO	Pulaski . . . . .	27.9	27.9	457	MS	Claiborne . . . . .	20.2	15.2
684	MO	Ste Genevieve . . . . .	41.7	41.7	457	MS	Sharkey . . . . .	20.2	32.4
408	MS	Hinds . . . . .	3.6	2.0	457	MS	Issaquena . . . . .	20.2	30.7
408	MS	Rankin . . . . .	3.6	0.7	467	MS	Jones . . . . .	22.4	18.7
408	MS	Madison . . . . .	3.6	0.5	467	MS	Wayne . . . . .	22.4	14.1
408	MS	Copiah . . . . .	3.6	4.5	467	MS	Jasper . . . . .	22.4	23.9
408	MS	Yazoo . . . . .	3.6	11.5	467	MS	Smith . . . . .	22.4	51.8
408	MS	Scott . . . . .	3.6	13.1	489	MS	Lowndes . . . . .	25.2	22.8
408	MS	Simpson . . . . .	3.6	7.3	489	MS	Clay . . . . .	25.2	25.4
408	MS	Leake . . . . .	3.6	13.6	489	MS	Noxubee . . . . .	25.2	34.6
415	MS	Forrest . . . . .	13.4	3.5	511	MS	Holmes . . . . .	51.0	53.9
415	MS	Lamar . . . . .	13.4	6.6	511	MS	Attala . . . . .	51.0	46.1
415	MS	Marion . . . . .	13.4	13.4	517	MS	Washington . . . . .	10.7	7.8
415	MS	Covington . . . . .	13.4	28.3	517	MS	Bolivar . . . . .	10.7	12.1
415	MS	Jefferson Davis . . . . .	13.4	33.5	517	MS	Sunflower . . . . .	10.7	15.2
415	MS	Perry . . . . .	13.4	9.2	522	MS	Leflore . . . . .	28.8	7.2
415	MS	Greene . . . . .	13.4	46.3	522	MS	Tallahatchie . . . . .	28.8	51.0
417	MS	Lauderdale . . . . .	16.0	5.3	522	MS	Humphreys . . . . .	28.8	48.7
417	MS	Neshoba . . . . .	16.0	29.1	522	MS	Carroll . . . . .	28.8	59.2
417	MS	Newton . . . . .	16.0	17.5	525	MS	Montgomery . . . . .	35.7	35.7

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
535	MS	Wilkinson	38.4	38.4	153	GA	Rabun	15.3	44.2
694	MT	Custer	15.5	3.8	153	NC	Swain	15.3	5.1
694	MT	Dawson	15.5	16.6	153	NC	Graham	15.3	30.0
694	MT	Fallon	15.5	17.1	154	NC	Watauga	6.1	2.3
694	MT	Powder River	15.5	48.1	154	NC	Ashe	6.1	6.5
694	MT	Prairie	15.5	2.1	154	NC	Avery	6.1	8.1
694	MT	Garfield	15.5	23.2	154	TN	Johnson	6.1	12.6
694	MT	Wibaux	15.5	54.5	168	NC	Durham	7.2	6.4
699	MT	Yellowstone	6.4	1.2	168	NC	Vance	7.2	3.0
699	MT	Rosebud	6.4	34.5	168	NC	Granville	7.2	6.4
699	MT	Big Horn	6.4	16.6	168	NC	Person	7.2	16.6
699	MT	Carbon	6.4	3.7	168	NC	Warren	7.2	12.2
699	MT	Stillwater	6.4	2.0	171	NC	Guilford	8.5	4.1
699	MT	Musselshell	6.4	2.4	171	NC	Davidson	8.5	23.2
699	MT	Golden Valley	6.4	11.1	171	NC	Randolph	8.5	7.6
699	MT	Treasure	6.4	10.2	171	NC	Rockingham	8.5	6.2
704	MT	Silver Bow	6.5	2.1	174	NC	Pitt	8.8	2.4
704	MT	Deer Lodge	6.5	2.4	174	NC	Beaufort	8.8	6.4
704	MT	Powell	6.5	35.6	174	NC	Martin	8.8	3.1
705	MT	Lewis and Clark	11.9	5.6	174	NC	Hertford	8.8	18.9
705	MT	Jefferson	11.9	40.9	174	NC	Bertie	8.8	2.4
705	MT	Broadwater	11.9	21.1	174	NC	Greene	8.8	43.1
705	MT	Meagher	11.9	48.4	174	NC	Washington	8.8	2.1
711	MT	Cascade	3.5	1.1	174	NC	Chowan	8.8	7.0
711	MT	Pondera	3.5	22.8	174	NC	Gates	8.8	53.7
711	MT	Teton	3.5	0.7	174	NC	Hyde	8.8	9.3
711	MT	Chouteau	3.5	19.8	174	NC	Tyrrell	8.8	2.3
719	MT	Missoula	3.5	1.0	179	NC	Cherokee	30.4	28.1
719	MT	Ravalli	3.5	0.7	179	GA	Union	30.4	35.2
719	MT	Lake	3.5	11.5	179	NC	Clay	30.4	30.3
719	MT	Mineral	3.5	8.2	179	GA	Towns	30.4	30.2
719	MT	Granite	3.5	23.5	183	NC	Robeson	12.7	9.6
735	MT	Hill	5.8	1.9	183	NC	Scotland	12.7	10.9
735	MT	Blaine	5.8	3.4	183	NC	Bladen	12.7	29.5
735	MT	Phillips	5.8	14.0	187	NC	Mecklenburg	1.9	1.4
735	MT	Liberty	5.8	28.3	187	NC	Union	1.9	1.7
740	MT	Glacier	30.0	34.2	187	NC	Anson	1.9	10.7
740	MT	Toole	30.0	13.4	192	NC	Wake	10.4	4.2
743	MT	Gallatin	5.9	3.1	192	NC	Johnston	10.4	23.6
743	MT	Park	5.9	2.5	192	NC	Franklin	10.4	52.1
743	MT	Madison	5.9	28.7	206	NC	Cumberland	13.4	4.4
743	MT	Sweet Grass	5.9	20.4	206	NC	Harnett	13.4	49.7
760	MT	Roosevelt	22.1	27.8	206	NC	Hoke	13.4	38.9
760	MT	Valley	22.1	5.2	211	NC	Nash	18.0	15.8
760	MT	McCone	22.1	39.0	211	NC	Edgecombe	18.0	20.7
769	MT	Flathead	2.7	1.9	211	NC	Halifax	18.0	10.0
769	MT	Lincoln	2.7	5.1	211	NC	Northampton	18.0	40.2
779	MT	Sheridan	19.4	23.2	213	NC	Alamance	25.5	6.4
779	MT	Daniels	19.4	10.0	213	NC	Orange	25.5	49.8
781	MT	Fergus	20.9	10.2	213	NC	Lee	25.5	14.0
781	MT	Judith Basin	20.9	47.7	213	NC	Chatham	25.5	29.8
781	MT	Wheatland	20.9	51.1	213	NC	Caswell	25.5	47.6
781	MT	Petroleum	20.9	34.6	216	NC	Catawba	11.1	8.3
817	MT	Beaverhead	22.6	22.6	216	NC	Burke	11.1	4.7
144	NC	New Hanover	4.0	1.2	216	NC	Caldwell	11.1	5.1
144	NC	Brunswick	4.0	6.7	216	NC	Mc Dowell	11.1	31.7
144	NC	Pender	4.0	11.1	216	NC	Alexander	11.1	28.9
148	NC	Forsyth	6.4	5.1	218	NC	Buncombe	4.6	3.8
148	NC	Surry	6.4	2.9	218	NC	Haywood	4.6	3.7
148	NC	Stokes	6.4	9.7	218	NC	Madison	4.6	6.2
148	NC	Yadkin	6.4	5.9	218	NC	Yancey	4.6	2.7
148	NC	Davie	6.4	25.5	218	NC	Mitchell	4.6	15.8
153	NC	Jackson	15.3	11.4	221	NC	Craven	8.9	6.6
153	NC	Macon	15.3	7.7	221	NC	Carteret	8.9	6.4
					221	NC	Pamlico	8.9	5.1

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
221	NC	Jones . . . . .	8.9	55.4	627	ND	Pierce . . . . .	18.0	18.7
224	NC	Moore . . . . .	11.9	9.5	627	ND	Towner . . . . .	18.0	16.9
224	NC	Richmond . . . . .	11.9	13.4	642	ND	Stutsman . . . . .	10.7	6.9
224	NC	Montgomery . . . . .	11.9	14.6	642	ND	Wells . . . . .	10.7	25.1
225	NC	Rutherford . . . . .	23.3	21.4	642	ND	Foster . . . . .	10.7	11.1
225	NC	Polk . . . . .	23.3	34.7	643	ND	Ramsey . . . . .	18.7	11.5
231	NC	Rowan . . . . .	18.3	11.8	643	ND	Benson . . . . .	18.7	24.5
231	NC	Cabarrus . . . . .	18.3	26.6	643	ND	Eddy . . . . .	18.7	28.4
231	NC	Stanly . . . . .	18.3	15.9	650	ND	Barnes . . . . .	36.3	21.2
236	NC	Gaston . . . . .	18.1	20.4	650	ND	La Moure . . . . .	36.3	56.8
236	NC	Cleveland . . . . .	18.1	7.3	650	ND	Griggs . . . . .	36.3	50.7
236	NC	Lincoln . . . . .	18.1	29.1	662	ND	Walsh . . . . .	24.1	29.8
242	NC	Henderson . . . . .	18.5	22.2	662	ND	Pembina . . . . .	24.1	19.8
242	NC	Transylvania . . . . .	18.5	8.3	662	ND	Cavaler . . . . .	24.1	18.2
245	NC	Wayne . . . . .	10.6	4.6	673	ND	Emmons . . . . .	30.8	36.1
245	NC	Lenoir . . . . .	10.6	9.9	673	ND	McIntosh . . . . .	30.8	24.1
245	NC	Duplin . . . . .	10.6	28.9	686	ND	Richland . . . . .	25.2	19.8
251	NC	Sampson . . . . .	24.6	24.6	686	MN	Wilkin . . . . .	25.2	24.0
256	NC	Columbus . . . . .	23.4	23.4	686	ND	Sargent . . . . .	25.2	53.7
260	NC	Iredell . . . . .	15.3	15.3	690	ND	Stark . . . . .	7.6	4.8
261	NC	Wilson . . . . .	8.5	8.5	690	ND	Dunn . . . . .	7.6	20.7
264	NC	Wilkes . . . . .	22.1	22.1	690	ND	Golden Valley . . . . .	7.6	17.1
266	NC	Onslow . . . . .	5.3	5.3	690	ND	Billings . . . . .	7.6	4.5
269	NC	Pasquotank . . . . .	26.2	8.5	540	NE	Lincoln . . . . .	12.1	5.0
269	NC	Dare . . . . .	26.2	35.0	540	NE	Keith . . . . .	12.1	2.9
269	NC	Currituck . . . . .	26.2	43.2	540	NE	Chase . . . . .	12.1	12.3
269	NC	Perquimans . . . . .	26.2	50.1	540	NE	Perkins . . . . .	12.1	2.5
269	NC	Camden . . . . .	26.2	13.7	540	NE	Frontier . . . . .	12.1	58.5
542	ND	Burleigh . . . . .	7.7	1.3	540	NE	Deuel . . . . .	12.1	63.3
542	ND	Morton . . . . .	7.7	3.1	540	NE	Hooker . . . . .	12.1	12.5
542	ND	Mercer . . . . .	7.7	8.2	540	NE	Logan . . . . .	12.1	37.8
542	SD	Corson . . . . .	7.7	31.5	540	NE	Thomas . . . . .	12.1	53.7
542	ND	Grant . . . . .	7.7	35.6	540	NE	Grant . . . . .	12.1	62.1
542	ND	Sioux . . . . .	7.7	4.1	540	NE	Mc Pherson . . . . .	12.1	5.0
542	ND	Kidder . . . . .	7.7	24.2	540	NE	Arthur . . . . .	12.1	0.0
542	ND	Logan . . . . .	7.7	62.9	554	NE	Hall . . . . .	9.1	4.4
542	ND	Sheridan . . . . .	7.7	66.3	554	NE	Hamilton . . . . .	9.1	13.5
542	ND	Oliver . . . . .	7.7	2.4	554	NE	Merrick . . . . .	9.1	10.6
546	ND	Cass . . . . .	4.1	1.3	554	NE	Howard . . . . .	9.1	3.5
546	MN	Clay . . . . .	4.1	1.9	554	NE	Sherman . . . . .	9.1	42.8
546	ND	Traill . . . . .	4.1	20.2	554	NE	Greeley . . . . .	9.1	41.6
546	MN	Norman . . . . .	4.1	22.3	557	NE	Douglas . . . . .	2.6	0.6
546	ND	Ransom . . . . .	4.1	16.6	557	NE	Sarpy . . . . .	2.6	0.5
546	ND	Steele . . . . .	4.1	39.5	557	IA	Pottawattamie . . . . .	2.6	4.9
563	ND	Ward . . . . .	8.0	1.2	557	NE	Cass . . . . .	2.6	25.2
563	ND	McLean . . . . .	8.0	50.6	557	IA	Harrison . . . . .	2.6	15.2
563	ND	Bottineau . . . . .	8.0	9.5	557	NE	Washington . . . . .	2.6	10.4
563	ND	Mountrail . . . . .	8.0	8.5	557	IA	Mills . . . . .	2.6	20.8
563	ND	McHenry . . . . .	8.0	18.9	560	NE	Adams . . . . .	15.1	4.3
563	ND	Renville . . . . .	8.0	1.4	560	NE	Clay . . . . .	15.1	43.5
563	ND	Burke . . . . .	8.0	15.3	560	NE	Nuckolls . . . . .	15.1	7.9
575	ND	Grand Forks . . . . .	3.7	1.6	560	KS	Jewell . . . . .	15.1	60.7
575	MN	Polk . . . . .	3.7	5.5	560	NE	Webster . . . . .	15.1	7.1
575	MN	Pennington . . . . .	3.7	1.8	562	NE	Buffalo . . . . .	5.4	4.7
575	MN	Marshall . . . . .	3.7	4.0	562	NE	Phelps . . . . .	5.4	2.5
575	MN	Kittson . . . . .	3.7	9.8	562	NE	Kearney . . . . .	5.4	8.1
575	MN	Red Lake . . . . .	3.7	1.8	562	NE	Harlan . . . . .	5.4	8.5
575	ND	Nelson . . . . .	3.7	32.1	562	NE	Franklin . . . . .	5.4	13.8
599	ND	Williams . . . . .	8.4	6.0	564	NE	Scott Bluff . . . . .	4.6	1.5
599	MT	Richland . . . . .	8.4	6.0	564	WY	Goshen . . . . .	4.6	3.0
599	ND	Mckenzie . . . . .	8.4	18.6	564	NE	Morrill . . . . .	4.6	12.6
599	ND	Divide . . . . .	8.4	14.4	564	WY	Niobrara . . . . .	4.6	24.3
627	ND	Rolette . . . . .	18.0	18.1	564	NE	Sioux . . . . .	4.6	30.0
					564	NE	Banner . . . . .	4.6	16.2
					565	NE	Madison . . . . .	6.6	4.5

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
565	NE	Wayne . . . . .	6.6	11.3	55	NJ	Morris . . . . .	22.5	23.4
565	NE	Antelope . . . . .	6.6	9.2	55	NJ	Sussex . . . . .	22.5	17.8
565	NE	Pierce . . . . .	6.6	4.5	55	NJ	Warren . . . . .	22.5	25.9
565	NE	Stanton . . . . .	6.6	11.7	56	NJ	Camden . . . . .	13.1	12.2
569	NE	Custer . . . . .	20.6	21.4	56	NJ	Burlington . . . . .	13.1	13.5
569	NE	Valley . . . . .	20.6	13.4	56	NJ	Gloucester . . . . .	13.1	14.5
569	NE	Garfield . . . . .	20.6	11.2	64	NJ	Middlesex . . . . .	11.6	9.1
569	NE	Wheeler . . . . .	20.6	69.1	64	NJ	Union . . . . .	11.6	17.6
569	NE	Loup . . . . .	20.6	14.3	64	NJ	Mercer . . . . .	11.6	4.5
569	NE	Blaine . . . . .	20.6	16.0	64	NJ	Somerset . . . . .	11.6	13.2
573	NE	Holt . . . . .	15.1	10.7	64	NJ	Hunterdon . . . . .	11.6	18.2
573	NE	Brown . . . . .	15.1	14.3	84	NJ	Monmouth . . . . .	14.0	13.6
573	NE	Boyd . . . . .	15.1	38.8	84	NJ	Ocean . . . . .	14.0	14.5
573	NE	Rock . . . . .	15.1	11.6	85	NJ	Bergen . . . . .	17.7	17.1
573	NE	Keya Paha . . . . .	15.1	30.8	85	NJ	Passaic . . . . .	17.7	18.6
579	NE	Lancaster . . . . .	6.1	1.5	107	NJ	Cumberland . . . . .	17.6	9.3
579	NE	Saunders . . . . .	6.1	53.7	107	NJ	Salem . . . . .	17.6	38.1
579	NE	Seward . . . . .	6.1	6.4	115	NJ	Essex . . . . .	10.9	10.5
579	NE	Saline . . . . .	6.1	14.4	115	NJ	Hudson . . . . .	10.9	11.4
595	NE	York . . . . .	20.8	11.5	504	NM	Lea . . . . .	15.6	6.4
595	NE	Fillmore . . . . .	20.8	18.7	504	TX	Andrews . . . . .	15.6	20.2
595	NE	Polk . . . . .	20.8	50.2	504	TX	Gaines . . . . .	15.6	39.3
605	NE	Platte . . . . .	18.2	10.4	504	TX	Yoakum . . . . .	15.6	31.4
605	NE	Colfax . . . . .	18.2	19.7	693	NM	Curry . . . . .	5.3	5.5
605	NE	Butler . . . . .	18.2	17.5	693	NM	Roosevelt . . . . .	5.3	4.8
605	NE	Boone . . . . .	18.2	40.6	695	NM	Bernalillo . . . . .	3.5	1.2
605	NE	Nance . . . . .	18.2	38.2	695	NM	Valencia . . . . .	3.5	7.5
618	NE	Red Willow . . . . .	28.5	13.2	695	NM	Sandoval . . . . .	3.5	18.5
618	NE	Furnas . . . . .	28.5	62.6	695	NM	Socorro . . . . .	3.5	1.3
618	NE	Hitchcock . . . . .	28.5	34.4	695	NM	Torrance . . . . .	3.5	2.0
618	NE	Hayes . . . . .	28.5	50.0	721	NM	San Miguel . . . . .	16.8	16.2
630	NE	Gage . . . . .	21.7	22.1	721	NM	Mora . . . . .	16.8	5.1
630	NE	Jefferson . . . . .	21.7	9.6	721	NM	Guadalupe . . . . .	16.8	25.3
630	NE	Thayer . . . . .	21.7	36.3	721	NM	Harding . . . . .	16.8	43.9
640	NE	Richardson . . . . .	26.1	19.5	733	NM	Otero . . . . .	6.6	6.3
640	NE	Johnson . . . . .	26.1	37.4	733	NM	Lincoln . . . . .	6.6	7.8
640	NE	Pawnee . . . . .	26.1	31.5	738	NM	Santa Fe . . . . .	6.7	6.2
649	NE	Dodge . . . . .	22.8	13.0	738	NM	Rio Arriba . . . . .	6.7	8.3
649	NE	Cuming . . . . .	22.8	29.9	738	NM	Taos . . . . .	6.7	7.5
649	NE	Burt . . . . .	22.8	59.7	738	NM	Los Alamos . . . . .	6.7	3.7
661	NE	Cheyenne . . . . .	12.6	9.8	750	NM	San Juan . . . . .	5.3	6.4
661	NE	Kimball . . . . .	12.6	18.2	750	CO	La Plata . . . . .	5.3	1.6
665	NE	Otoe . . . . .	37.9	43.9	750	CO	Montezuma . . . . .	5.3	2.3
665	NE	Nemaha . . . . .	37.9	26.4	750	CO	Archuleta . . . . .	5.3	3.7
681	NE	Box Butte . . . . .	14.6	14.6	750	CO	Dolores . . . . .	5.3	26.8
682	NE	Garden . . . . .	35.1	35.1	750	CO	San Juan . . . . .	5.3	12.5
687	NE	Dawson . . . . .	21.7	20.1	768	NM	Chaves . . . . .	5.9	4.9
687	NE	Gosper . . . . .	21.7	42.9	768	NM	De Baca . . . . .	5.9	32.8
35	NH	Grafton . . . . .	11.4	20.3	775	NM	McKinley . . . . .	12.5	3.9
35	VT	Washington . . . . .	11.4	11.4	775	AZ	Apache . . . . .	12.5	20.7
35	VT	Windsor . . . . .	11.4	5.0	775	NM	Catron . . . . .	12.5	63.0
35	NH	Sullivan . . . . .	11.4	11.9	780	NM	Colfax . . . . .	14.7	14.9
35	VT	Orange . . . . .	11.4	2.3	780	CO	Las Animas . . . . .	14.7	14.4
74	NH	Hillsborough . . . . .	9.6	10.6	807	NM	Union . . . . .	31.1	31.1
74	NH	Merrimack . . . . .	9.6	5.5	808	NM	Grant . . . . .	14.0	5.8
74	NH	Belknap . . . . .	9.6	6.7	808	NM	Hidalgo . . . . .	14.0	47.4
74	NH	Carroll . . . . .	9.6	17.4	821	NM	Quay . . . . .	17.2	17.2
105	NH	Cheshire . . . . .	31.8	33.9	822	NM	Eddy . . . . .	7.4	7.4
105	VT	Windham . . . . .	31.8	28.4	697	NV	Elko . . . . .	24.8	24.2
129	NH	Coos . . . . .	22.1	15.4	697	NV	Lander . . . . .	24.8	27.2
129	VT	Essex . . . . .	22.1	57.6	697	NV	Eureka . . . . .	24.8	25.5
52	NJ	Atlantic . . . . .	13.9	16.5					
52	NJ	Cape May . . . . .	13.9	7.3					



Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
717	NV	Clark . . . . .	2.9	2.3	86	NY	Dutchess . . . . .	22.2	23.9
717	NV	Nye . . . . .	2.9	28.9	86	NY	Ulster . . . . .	22.2	19.5
723	NV	Washoe . . . . .	5.6	2.4	90	NY	Cattaraugus . . . . .	30.0	31.6
723	NV	Lyon . . . . .	5.6	39.0	90	NY	Allegany . . . . .	30.0	26.6
723	NV	Churchill . . . . .	5.6	1.6	92	NY	Tompkins . . . . .	9.9	6.3
723	NV	Humboldt . . . . .	5.6	11.7	92	NY	Cortland . . . . .	9.9	16.0
723	NV	Mineral . . . . .	5.6	1.8	103	NY	Chautauqua . . . . .	15.2	14.2
723	NV	Pershing . . . . .	5.6	0.0	103	PA	Warren . . . . .	15.2	18.4
723	CA	Sierra . . . . .	5.6	48.2	111	NY	Washington . . . . .	14.2	18.0
723	NV	Storey . . . . .	5.6	46.2	111	NY	Warren . . . . .	14.2	7.3
809	NV	White Pine . . . . .	15.4	15.4	111	VT	Bennington . . . . .	14.2	18.3
12	NY	Albany . . . . .	5.3	0.9	130	NY	Rockland . . . . .	23.2	23.2
12	NY	Saratoga . . . . .	5.3	13.4	5	OH	Jefferson . . . . .	8.3	7.5
12	NY	Rensselaer . . . . .	5.3	8.3	5	OH	Belmont . . . . .	8.3	3.7
12	NY	Schenectady . . . . .	5.3	0.8	5	WV	Ohio . . . . .	8.3	1.8
15	NY	Westchester . . . . .	18.9	19.4	5	WV	Marshall . . . . .	8.3	2.4
15	NY	Putnam . . . . .	18.9	14.6	5	WV	Hancock . . . . .	8.3	31.1
19	NY	Monroe . . . . .	2.5	0.3	5	WV	Brooke . . . . .	8.3	4.9
19	NY	Ontario . . . . .	2.5	1.0	5	WV	Wetzel . . . . .	8.3	12.0
19	NY	Wayne . . . . .	2.5	3.9	5	OH	Monroe . . . . .	8.3	22.1
19	NY	Livingston . . . . .	2.5	13.2	5	WV	Tyler . . . . .	8.3	9.5
19	NY	Orleans . . . . .	2.5	6.7	275	OH	Montgomery . . . . .	5.1	1.4
19	NY	Seneca . . . . .	2.5	21.6	275	OH	Clark . . . . .	5.1	2.9
19	NY	Yates . . . . .	2.5	10.9	275	OH	Greene . . . . .	5.1	1.4
36	NY	Onondaga . . . . .	3.3	0.8	275	OH	Preble . . . . .	5.1	58.0
36	NY	Oswego . . . . .	3.3	5.9	275	OH	Champaign . . . . .	5.1	34.6
36	NY	Cayuga . . . . .	3.3	10.4	277	OH	Franklin . . . . .	2.0	0.7
36	NY	Madison . . . . .	3.3	9.2	277	OH	Delaware . . . . .	2.0	7.2
42	NY	Otsego . . . . .	20.5	14.7	277	OH	Pickaway . . . . .	2.0	12.3
42	NY	Delaware . . . . .	20.5	15.2	277	OH	Madison . . . . .	2.0	6.1
42	NY	Schoharie . . . . .	20.5	42.6	277	OH	Union . . . . .	2.0	17.7
51	NY	St. Lawrence . . . . .	6.8	5.8	278	OH	Athens . . . . .	16.9	15.9
51	NY	Clinton . . . . .	6.8	3.3	278	OH	Jackson . . . . .	16.9	29.2
51	NY	Franklin . . . . .	6.8	2.5	278	OH	Gallia . . . . .	16.9	7.1
51	NY	Essex . . . . .	6.8	24.9	278	WV	Mason . . . . .	16.9	11.6
54	NY	Fulton . . . . .	19.7	11.6	278	OH	Meigs . . . . .	16.9	12.8
54	NY	Montgomery . . . . .	19.7	24.6	278	OH	Vinton . . . . .	16.9	33.0
54	NY	Hamilton . . . . .	19.7	62.0	283	OH	Lucas . . . . .	4.4	0.7
57	NY	Erie . . . . .	2.7	1.0	283	OH	Wood . . . . .	4.4	8.2
57	NY	Niagara . . . . .	2.7	2.7	283	OH	Ottawa . . . . .	4.4	26.7
57	NY	Genesee . . . . .	2.7	23.7	283	OH	Fulton . . . . .	4.4	8.2
57	NY	Wyoming . . . . .	2.7	7.9	283	OH	Henry . . . . .	4.4	21.7
60	NY	Broome . . . . .	17.8	2.3	284	OH	Cuyahoga . . . . .	1.4	0.4
60	NY	Tioga . . . . .	17.8	49.9	284	OH	Lorain . . . . .	1.4	0.8
60	NY	Chenango . . . . .	17.8	35.0	284	OH	Lake . . . . .	1.4	2.5
60	PA	Susquehanna . . . . .	17.8	33.5	284	OH	Medina . . . . .	1.4	10.7
69	NY	Jefferson . . . . .	4.8	3.1	284	OH	Geauga . . . . .	1.4	4.1
69	NY	Lewis . . . . .	4.8	10.5	288	OH	Hamilton . . . . .	5.3	1.0
71	NY	Steuben . . . . .	11.6	13.7	288	OH	Clermont . . . . .	5.3	1.2
71	NY	Chemung . . . . .	11.6	6.7	288	KY	Kenton . . . . .	5.3	0.4
71	NY	Schuyler . . . . .	11.6	25.1	288	OH	Warren . . . . .	5.3	50.1
78	NY	Kings . . . . .	3.2	3.5	288	KY	Campbell . . . . .	5.3	0.4
78	NY	New York . . . . .	3.2	2.0	288	IN	Boone . . . . .	5.3	0.5
78	NY	Bronx . . . . .	3.2	3.7	288	IN	Dearborn . . . . .	5.3	7.6
78	NY	Richmond . . . . .	3.2	2.4	288	OH	Brown . . . . .	5.3	13.2
79	NY	Orange . . . . .	21.8	23.4	288	OH	Adams . . . . .	5.3	27.4
79	NY	Sullivan . . . . .	21.8	14.0	288	KY	Grant . . . . .	5.3	15.7
80	NY	Oneida . . . . .	9.3	10.5	288	KY	Pendleton . . . . .	5.3	30.8
80	NY	Herkimer . . . . .	9.3	4.2	288	IN	Switzerland . . . . .	5.3	49.6
81	NY	Queens . . . . .	10.6	20.1	288	IN	Ohio . . . . .	5.3	5.8
81	NY	Nassau . . . . .	10.6	4.7	288	KY	Gallatin . . . . .	5.3	8.0
81	NY	Suffolk . . . . .	10.6	1.4	299	OH	Mahoning . . . . .	7.9	4.4
					299	OH	Trumbull . . . . .	7.9	7.4
					299	OH	Columbiana . . . . .	7.9	17.3
					314	OH	Allen . . . . .	7.7	2.7

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
314	OH	Auglaize . . . . .	7.7	7.0	419	OK	Oklahoma . . . . .	3.2	1.9
314	OH	Mercer . . . . .	7.7	6.1	419	OK	Cleveland . . . . .	3.2	3.1
314	OH	Putnam . . . . .	7.7	13.3	419	OK	Canadian . . . . .	3.2	7.0
314	OH	Hardin . . . . .	7.7	19.0	419	OK	Logan . . . . .	3.2	16.5
314	OH	Van Wert . . . . .	7.7	12.7	419	OK	McClain . . . . .	3.2	15.2
331	OH	Stark . . . . .	9.3	7.0	443	OK	Custer . . . . .	13.8	9.5
331	OH	Tuscarawas . . . . .	9.3	11.4	443	OK	Beckham . . . . .	13.8	8.4
331	OH	Carroll . . . . .	9.3	6.2	443	OK	Blaine . . . . .	13.8	25.7
331	OH	Harrison . . . . .	9.3	62.8	443	OK	Washita . . . . .	13.8	15.1
334	OH	Fairfield . . . . .	31.0	33.5	443	OK	Dewey . . . . .	13.8	34.3
334	OH	Hocking . . . . .	31.0	22.1	443	OK	Roger Mills . . . . .	13.8	8.7
343	OH	Richland . . . . .	9.8	9.8	448	OK	Garfield . . . . .	6.6	2.6
343	OH	Marion . . . . .	9.8	6.8	448	OK	Woods . . . . .	6.6	9.2
343	OH	Crawford . . . . .	9.8	7.0	448	OK	Major . . . . .	6.6	20.1
343	OH	Morrow . . . . .	9.8	22.4	448	OK	Alfalfa . . . . .	6.6	16.1
347	OH	Defiance . . . . .	15.0	11.5	448	OK	Grant . . . . .	6.6	18.3
347	OH	Williams . . . . .	15.0	10.0	455	OK	Carter . . . . .	22.5	10.6
347	OH	Paulding . . . . .	15.0	30.7	455	OK	Murray . . . . .	22.5	42.2
353	OH	Summit . . . . .	13.1	10.4	455	OK	Marshall . . . . .	22.5	40.3
353	OH	Portage . . . . .	13.1	23.4	455	OK	Johnston . . . . .	22.5	51.0
356	OH	Clinton . . . . .	26.4	27.8	455	OK	Love . . . . .	22.5	17.3
356	OH	Highland . . . . .	26.4	25.9	458	OK	Okmulgee . . . . .	31.8	25.4
356	OH	Fayette . . . . .	26.4	25.1	458	OK	Okfuskee . . . . .	31.8	54.9
358	OH	Hancock . . . . .	18.9	13.6	464	OK	Payne . . . . .	20.3	9.8
358	OH	Seneca . . . . .	18.9	20.4	464	OK	Pawnee . . . . .	20.3	52.5
358	OH	Wyandot . . . . .	18.9	29.8	464	OK	Noble . . . . .	20.3	27.7
365	OH	Butler . . . . .	31.5	30.8	468	OK	McCurtain . . . . .	33.0	35.9
365	IN	Fayette . . . . .	31.5	18.4	468	AR	Polk . . . . .	33.0	29.3
365	IN	Franklin . . . . .	31.5	58.9	468	AR	Sevier . . . . .	33.0	27.3
365	IN	Union . . . . .	31.5	31.9	471	OK	Muskogee . . . . .	21.7	12.8
366	OH	Muskingum . . . . .	13.1	4.7	471	OK	Cherokee . . . . .	21.7	9.0
366	OH	Guernsey . . . . .	13.1	5.8	471	OK	Sequoyah . . . . .	21.7	46.1
366	OH	Perry . . . . .	13.1	30.3	471	OK	Adair . . . . .	21.7	24.0
366	OH	Morgan . . . . .	13.1	34.7	471	OK	McIntosh . . . . .	21.7	37.6
366	OH	Noble . . . . .	13.1	26.4	474	OK	Texas . . . . .	30.5	33.6
375	OH	Erie . . . . .	14.8	13.3	474	OK	Cimarron . . . . .	30.5	16.1
375	OH	Sandusky . . . . .	14.8	15.4	474	KS	Morton . . . . .	30.5	27.0
375	OH	Huron . . . . .	14.8	15.9	478	OK	Comanche . . . . .	14.1	3.7
376	OH	Wayne . . . . .	22.6	27.2	478	OK	Grady . . . . .	14.1	37.4
376	OH	Holmes . . . . .	22.6	11.4	478	OK	Caddo . . . . .	14.1	22.0
378	OH	Miami . . . . .	29.4	35.3	478	OK	Tillman . . . . .	14.1	45.5
378	OH	Darke . . . . .	29.4	26.5	478	OK	Cotton . . . . .	14.1	29.3
378	OH	Shelby . . . . .	29.4	21.9	479	OK	Pottawatomie . . . . .	22.8	25.3
381	OH	Licking . . . . .	30.6	31.2	479	OK	Pontotoc . . . . .	22.8	5.5
381	OH	Knox . . . . .	30.6	28.5	479	OK	Lincoln . . . . .	22.8	52.7
394	OH	Ross . . . . .	19.7	19.7	479	OK	Seminole . . . . .	22.8	8.5
397	OH	Coshocton . . . . .	27.0	27.0	479	OK	Hughes . . . . .	22.8	22.8
399	OH	Ashtabula . . . . .	23.5	23.5	479	OK	Coal . . . . .	22.8	21.5
404	OH	Ashland . . . . .	20.5	20.5	481	OK	Washington . . . . .	33.9	10.4
405	OH	Logan . . . . .	23.8	23.8	481	OK	Osage . . . . .	33.9	63.7
406	OH	Scioto . . . . .	17.7	5.1	481	OK	Nowata . . . . .	33.9	37.6
406	OH	Pike . . . . .	17.7	53.9	483	OK	Jackson . . . . .	14.4	8.8
406	KY	Lewis . . . . .	17.7	29.7	483	OK	Kiowa . . . . .	14.4	31.0
407	OK	Woodward . . . . .	16.7	9.1	483	OK	Greer . . . . .	14.4	10.7
407	OK	Ellis . . . . .	16.7	13.9	483	OK	Harmon . . . . .	14.4	32.8
407	OK	Harper . . . . .	16.7	8.4	499	OK	Ottawa . . . . .	36.8	35.6
407	TX	Lipscomb . . . . .	16.7	65.2	499	OK	Craig . . . . .	36.8	40.0
410	OK	Tulsa . . . . .	3.0	0.9	513	OK	Stephens . . . . .	30.0	25.9
410	OK	Creek . . . . .	3.0	9.0	513	OK	Jefferson . . . . .	30.0	59.0
410	OK	Rogers . . . . .	3.0	2.2	524	OK	Garvin . . . . .	53.3	53.3
410	OK	Wagoner . . . . .	3.0	15.5	532	OK	Kingfisher . . . . .	46.1	46.1
410	OK	Mayes . . . . .	3.0	12.9	534	OK	Kay . . . . .	11.4	11.4
					696	OR	Multnomah . . . . .	1.9	0.5

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
696	OR	Washington	1.9	0.4	37	PA	Adams	16.6	11.1
696	OR	Clackamas	1.9	2.5	40	PA	Northumberland	16.8	21.5
696	WA	Clark	1.9	1.0	40	PA	Snyder	16.8	15.5
696	OR	Yamhill	1.9	6.4	40	PA	Union	16.8	2.6
696	OR	Columbia	1.9	22.0	40	PA	Montour	16.8	20.3
696	OR	Clatsop	1.9	5.3	41	PA	Cambria	4.5	1.9
696	WA	Skamania	1.9	44.5	41	PA	Blair	4.5	2.6
710	OR	Marion	15.5	14.9	41	PA	Somerset	4.5	6.1
710	OR	Polk	15.5	18.6	41	PA	Bedford	4.5	16.2
718	OR	Umatilla	6.5	6.4	43	PA	Allegheny	2.6	0.4
718	WA	Walla Walla	6.5	5.4	43	PA	Westmoreland	2.6	1.8
718	OR	Morrow	6.5	9.6	43	PA	Washington	2.6	4.3
718	WA	Columbia	6.5	10.7	43	PA	Fayette	2.6	9.2
722	OR	Deschutes	2.7	1.6	43	PA	Butler	2.6	11.5
722	OR	Crook	2.7	3.6	43	PA	Armstrong	2.6	8.8
722	OR	Jefferson	2.7	2.1	59	PA	Lycoming	6.3	5.8
722	OR	Harney	2.7	10.1	59	PA	Clinton	6.3	8.4
722	OR	Wheeler	2.7	28.6	62	PA	Franklin	8.2	6.2
751	OR	Union	6.6	3.1	62	MD	Washington	8.2	9.9
751	OR	Baker	6.6	11.1	62	PA	Fulton	8.2	9.9
751	OR	Wallowa	6.6	9.2	72	PA	Lehigh	6.9	2.1
755	OR	Wasco	10.4	9.6	72	PA	Northampton	6.9	7.1
755	OR	Hood River	10.4	11.0	72	PA	Monroe	6.9	14.7
755	WA	Klickitat	10.4	8.5	72	PA	Carbon	6.9	23.5
755	OR	Sherman	10.4	8.9	75	PA	Luzerne	9.5	6.2
755	OR	Gilliam	10.4	31.8	75	PA	Columbia	9.5	26.7
763	OR	Linn	10.5	13.1	77	PA	Venango	16.9	10.3
763	OR	Benton	10.5	6.5	77	PA	Clarion	16.9	23.7
766	OR	Coos	11.7	7.8	77	PA	Forest	16.9	49.1
766	CA	Del Norte	11.7	25.7	106	PA	Erie	3.7	1.3
766	OR	Curry	11.7	11.2	106	PA	Mercer	3.7	7.6
770	OR	Jackson	3.7	0.9	106	PA	Crawford	3.7	7.2
770	OR	Josephine	3.7	1.7	108	PA	Beaver	27.5	34.5
770	CA	Siskiyou	3.7	16.1	108	PA	Lawrence	27.5	14.1
774	OR	Klamath	9.7	7.9	109	PA	Berks	18.1	16.5
774	CA	Modoc	9.7	15.7	109	PA	Schuylkill	18.1	22.0
774	OR	Lake	9.7	16.9	110	PA	Mifflin	20.9	5.3
795	OR	Lincoln	29.3	31.9	110	PA	Huntingdon	20.9	30.8
795	OR	Tillamook	29.3	24.8	110	PA	Juniata	20.9	35.7
799	OR	Lane	2.4	1.3	119	PA	Bradford	16.7	14.5
799	OR	Douglas	2.4	5.2	119	PA	Sullivan	16.7	48.7
828	OR	Grant	16.6	16.6	120	PA	Tioga	28.2	28.2
9	PA	Dauphin	3.4	1.9	122	PA	Indiana	37.9	37.9
9	PA	Cumberland	3.4	4.1	131	PA	Lancaster	6.6	6.6
9	PA	Lebanon	3.4	6.4	24	RI	Providence	5.4	3.5
9	PA	Perry	3.4	3.0	24	CT	New London	5.4	11.2
13	PA	Mc Kean	18.4	18.4	24	RI	Kent	5.4	1.2
13	PA	Elk	18.4	18.2	24	RI	Washington	5.4	3.2
13	PA	Potter	18.4	23.5	24	RI	Bristol	5.4	12.6
13	PA	Cameron	18.4	6.1	24	RI	Bristol	5.4	12.6
18	PA	Centre	8.3	10.0	159	SC	Orangeburg	16.5	12.5
18	PA	Clearfield	8.3	7.8	159	SC	Bamberg	16.5	11.4
18	PA	Jefferson	8.3	5.6	159	SC	Calhoun	16.5	25.7
26	PA	Philadelphia	2.9	0.6	159	SC	Allendale	16.5	44.7
26	PA	Montgomery	2.9	2.3	167	SC	Richland	1.9	0.9
26	PA	Delaware	2.9	1.0	167	SC	Lexington	1.9	1.0
26	PA	Bucks	2.9	9.7	167	SC	Kershaw	1.9	6.1
26	PA	Chester	2.9	10.2	167	SC	Newberry	1.9	8.4
29	PA	Lackawanna	10.8	4.1	167	SC	Fairfield	1.9	5.6
29	PA	Wayne	10.8	8.8	185	SC	Sumter	10.9	8.1
29	PA	Wyoming	10.8	22.0	185	SC	Clarendon	10.9	9.9
29	PA	Pike	10.8	66.6	185	SC	Lee	10.9	29.1
37	PA	York	16.6	17.9	188	SC	Florence	9.8	3.0

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
188	SC	Darlington . . . . .	9.8	2.6	581	SD	Faulk . . . . .	10.7	13.7
188	SC	Chesterfield . . . . .	9.8	27.8	582	SD	Shannon . . . . .	13.4	8.8
188	SC	Marlboro . . . . .	9.8	26.9	582	NE	Dawes . . . . .	13.4	10.5
191	SC	Greenwood . . . . .	18.3	1.6	582	NE	Sheridan . . . . .	13.4	12.8
191	SC	Laurens . . . . .	18.3	21.7	582	SD	Jackson . . . . .	13.4	46.7
191	SC	Abbeville . . . . .	18.3	13.9	582	SD	Bennett . . . . .	13.4	12.5
191	SC	Edgefield . . . . .	18.3	47.8	594	SD	Codlington . . . . .	18.7	4.3
191	SC	Saluda . . . . .	18.3	41.0	594	SD	Day . . . . .	18.7	53.2
191	SC	McCormick . . . . .	18.3	12.5	594	SD	Hamlin . . . . .	18.7	18.5
200	SC	Greenville . . . . .	4.7	1.4	594	SD	Deuel . . . . .	18.7	36.2
200	SC	Pickens . . . . .	4.7	8.0	594	SD	Clark . . . . .	18.7	20.5
200	SC	Oconee . . . . .	4.7	20.8	607	SD	Lawrence . . . . .	22.2	17.7
201	SC	Charleston . . . . .	1.9	0.9	607	SD	Butte . . . . .	22.2	17.8
201	SC	Berkeley . . . . .	1.9	1.1	607	SD	Harding . . . . .	22.2	58.0
201	SC	Dorchester . . . . .	1.9	4.8	607	MT	Carter . . . . .	22.2	47.7
201	SC	Colleton . . . . .	1.9	7.5	608	SD	Roberts . . . . .	22.4	29.7
203	SC	Marion . . . . .	15.8	16.6	608	SD	Grant . . . . .	22.4	23.9
203	SC	Dillon . . . . .	15.8	15.0	608	MN	Big Stone . . . . .	22.4	6.8
207	SC	Spartanburg . . . . .	9.7	10.0	608	MN	Traverse . . . . .	22.4	20.7
207	SC	Cherokee . . . . .	9.7	12.6	609	SD	Todd . . . . .	30.9	27.1
207	SC	Union . . . . .	9.7	2.6	609	NE	Cherry . . . . .	30.9	35.8
210	SC	Anderson . . . . .	21.4	20.1	609	SD	Mellette . . . . .	30.9	40.1
210	GA	Stephens . . . . .	21.4	21.2	626	SD	Beadle . . . . .	8.5	5.1
210	GA	Hart . . . . .	21.4	14.3	626	SD	Hand . . . . .	8.5	14.6
210	GA	Elbert . . . . .	21.4	29.6	626	SD	Jerauld . . . . .	8.5	22.2
210	GA	Franklin . . . . .	21.4	30.0	629	SD	Davison . . . . .	20.2	7.9
217	SC	Beaufort . . . . .	12.2	6.4	629	SD	Hutchinson . . . . .	20.2	28.5
217	SC	Hampton . . . . .	12.2	25.2	629	SD	Douglas . . . . .	20.2	19.5
217	SC	Jasper . . . . .	12.2	28.5	629	SD	Miner . . . . .	20.2	58.2
233	SC	Aiken . . . . .	69.9	74.7	629	SD	Aurora . . . . .	20.2	17.7
233	SC	Barnwell . . . . .	69.9	44.3	629	SD	Hanson . . . . .	20.2	19.4
239	SC	York . . . . .	20.8	21.6	629	SD	Sanborn . . . . .	20.2	44.2
239	SC	Lancaster . . . . .	20.8	28.2	638	SD	Hughes . . . . .	18.4	6.0
239	SC	Chester . . . . .	20.8	7.1	638	SD	Walworth . . . . .	18.4	22.1
240	SC	Georgetown . . . . .	28.5	17.3	638	SD	Dewey . . . . .	18.4	22.3
240	SC	Williamsburg . . . . .	28.5	41.8	638	SD	Potter . . . . .	18.4	16.9
250	SC	Horry . . . . .	6.4	6.4	638	SD	Stanley . . . . .	18.4	5.4
538	SD	Pennington . . . . .	5.1	2.1	638	SD	Ziebach . . . . .	18.4	29.1
538	SD	Meade . . . . .	5.1	13.9	638	SD	Campbell . . . . .	18.4	55.5
538	SD	Fall River . . . . .	5.1	12.4	638	SD	Sully . . . . .	18.4	6.8
538	SD	Custer . . . . .	5.1	1.4	638	SD	Hyde . . . . .	18.4	49.3
538	SD	Haakon . . . . .	5.1	24.7	638	SD	Jones . . . . .	18.4	24.1
541	SD	Minnehaha . . . . .	4.1	1.1	646	SD	Tripp . . . . .	15.6	11.6
541	SD	Lincoln . . . . .	4.1	5.8	646	SD	Gregory . . . . .	15.6	20.6
541	SD	Turner . . . . .	4.1	19.7	652	SD	Brookings . . . . .	22.9	17.8
541	SD	Moody . . . . .	4.1	22.3	652	SD	Lake . . . . .	22.9	28.2
541	SD	Mc Cook . . . . .	4.1	25.3	652	SD	Kingsbury . . . . .	22.9	32.1
556	SD	Perkins . . . . .	10.2	10.3	676	SD	Brule . . . . .	41.7	48.1
556	ND	Bowman . . . . .	10.2	8.0	676	SD	Lyman . . . . .	41.7	46.1
556	ND	Hettinger . . . . .	10.2	19.8	146	TN	Buffalo . . . . .	41.7	26.4
556	ND	Adams . . . . .	10.2	1.1	146	TN	Shelby . . . . .	2.3	0.4
556	ND	Slope . . . . .	10.2	15.6	146	MS	De Soto . . . . .	2.3	0.7
571	SD	Yankton . . . . .	17.2	2.2	146	TN	Tipton . . . . .	2.3	2.7
571	SD	Clay . . . . .	17.2	18.8	146	MS	Marshall . . . . .	2.3	31.5
571	NE	Cedar . . . . .	17.2	39.2	146	MS	Panola . . . . .	2.3	23.9
571	NE	Knox . . . . .	17.2	32.1	146	TN	Fayette . . . . .	2.3	4.2
571	SD	Charles Mix . . . . .	17.2	10.4	146	MS	Tate . . . . .	2.3	3.2
571	SD	Bon Homme . . . . .	17.2	7.6	149	TN	Putnam . . . . .	9.9	6.0
581	SD	Brown . . . . .	10.7	3.0	149	TN	Cumberland . . . . .	9.9	6.5
581	SD	Spink . . . . .	10.7	29.8	149	TN	White . . . . .	9.9	12.8
581	ND	Dickey . . . . .	10.7	19.6	149	TN	Overton . . . . .	9.9	2.8
581	SD	Marshall . . . . .	10.7	31.2	149	TN	Fentress . . . . .	9.9	4.3
581	SD	Edmunds . . . . .	10.7	4.8	149	TN	Bledsoe . . . . .	9.9	35.1
581	SD	Mc Pherson . . . . .	10.7	4.8	149	TN	Jackson . . . . .	9.9	11.0
					149	TN	Clay . . . . .	9.9	25.6

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
149	TN	Van Buren . . . . .	9.9	33.2	209	TN	Mc Minn . . . . .	20.9	10.4
149	TN	Pickett . . . . .	9.9	7.0	209	TN	Monroe . . . . .	20.9	39.1
151	TN	Madison . . . . .	7.3	3.5	209	GA	Fannin . . . . .	20.9	28.1
151	TN	Gibson . . . . .	7.3	8.7	209	TN	Polk . . . . .	20.9	12.7
151	TN	Carroll . . . . .	7.3	11.2	209	TN	Meigs . . . . .	20.9	20.1
151	TN	Mc Nairy . . . . .	7.3	11.4	237	TN	Dickson . . . . .	44.9	49.0
151	TN	Henderson . . . . .	7.3	1.5	237	TN	Hickman . . . . .	44.9	58.5
151	TN	Hardin . . . . .	7.3	14.8	237	TN	Humphreys . . . . .	44.9	28.4
151	TN	Crockett . . . . .	7.3	12.3	237	TN	Houston . . . . .	44.9	27.5
151	TN	Chester . . . . .	7.3	4.5	243	TN	Roane . . . . .	48.1	48.4
151	TN	Decatur . . . . .	7.3	8.9	243	TN	Rhea . . . . .	48.1	42.4
152	TN	Maury . . . . .	17.2	9.9	243	TN	Morgan . . . . .	48.1	56.9
152	TN	Giles . . . . .	17.2	19.9	246	TN	Greene . . . . .	19.7	11.0
152	TN	Marshall . . . . .	17.2	26.8	246	TN	Cocke . . . . .	19.7	35.6
152	TN	Lewis . . . . .	17.2	12.3	255	TN	Hardeman . . . . .	66.5	66.5
152	TN	Perry . . . . .	17.2	47.1	265	TN	Haywood . . . . .	33.3	33.3
155	TN	Hamilton . . . . .	1.9	0.9	270	TN	Dyer . . . . .	16.8	11.9
155	GA	Walker . . . . .	1.9	2.9	270	TN	Lauderdale . . . . .	16.8	23.2
155	GA	Catoosa . . . . .	1.9	4.7	414	TX	Tom Green . . . . .	3.3	1.3
155	TN	Marion . . . . .	1.9	8.6	414	TX	Reagan . . . . .	3.3	20.5
155	GA	Dade . . . . .	1.9	0.9	414	TX	Sutton . . . . .	3.3	6.8
155	TN	Sequatchie . . . . .	1.9	4.4	414	TX	Crockett . . . . .	3.3	9.5
157	TN	Davidson . . . . .	1.5	0.7	414	TX	Coke . . . . .	3.3	16.0
157	TN	Sumner . . . . .	1.5	1.2	414	TX	Schleicher . . . . .	3.3	1.9
157	TN	Williamson . . . . .	1.5	1.7	414	TX	Irion . . . . .	3.3	3.8
157	TN	Wilson . . . . .	1.5	2.5	414	TX	Sterling . . . . .	3.3	5.4
157	TN	Robertson . . . . .	1.5	2.2	416	TX	Taylor . . . . .	6.1	2.8
157	TN	Cheatham . . . . .	1.5	9.1	416	TX	Eastland . . . . .	6.1	21.4
157	TN	Macon . . . . .	1.5	8.6	416	TX	Callahan . . . . .	6.1	7.8
157	TN	Smith . . . . .	1.5	8.0	416	TX	Stephens . . . . .	6.1	16.1
157	TN	Trousdale . . . . .	1.5	0.9	416	TX	Shackelford . . . . .	6.1	11.0
158	TN	Knox . . . . .	2.1	0.8	416	TX	Throckmorton . . . . .	6.1	68.8
158	TN	Blount . . . . .	2.1	1.1	421	TX	Harris . . . . .	1.5	0.7
158	TN	Anderson . . . . .	2.1	2.7	421	TX	Galveston . . . . .	1.5	0.4
158	TN	Sevier . . . . .	2.1	2.1	421	TX	Fort Bend . . . . .	1.5	2.5
158	TN	Loudon . . . . .	2.1	4.5	421	TX	Brazoria . . . . .	1.5	3.0
158	TN	Scott . . . . .	2.1	20.7	421	TX	Liberty . . . . .	1.5	10.3
158	TN	Union . . . . .	2.1	2.5	421	TX	Waller . . . . .	1.5	17.7
163	TN	Washington . . . . .	8.4	9.8	421	TX	Austin . . . . .	1.5	25.1
163	TN	Carter . . . . .	8.4	7.5	421	TX	Chambers . . . . .	1.5	14.9
163	TN	Unicoi . . . . .	8.4	2.4	421	TX	San Jacinto . . . . .	1.5	51.0
173	TN	Montgomery . . . . .	15.6	7.8	422	TX	Wichita . . . . .	5.7	2.5
173	KY	Christian . . . . .	15.6	21.2	422	TX	Montague . . . . .	5.7	31.2
173	KY	Caldwell . . . . .	15.6	22.0	422	TX	Clay . . . . .	5.7	3.1
173	KY	Todd . . . . .	15.6	37.2	422	TX	Archer . . . . .	5.7	10.5
173	KY	Trigg . . . . .	15.6	12.5	422	TX	Baylor . . . . .	5.7	12.9
173	TN	Stewart . . . . .	15.6	26.3	422	TX	Lubbock . . . . .	3.4	0.9
176	TN	Sullivan . . . . .	15.4	14.8	425	TX	Hockley . . . . .	3.4	1.9
176	VA	Washington . . . . .	15.4	9.3	425	TX	Lamb . . . . .	3.4	14.1
176	TN	Hawkins . . . . .	15.4	25.3	425	TX	Terry . . . . .	3.4	13.7
176	VA	Russell . . . . .	15.4	19.7	425	TX	Bailey . . . . .	3.4	14.8
176	VA	Scott . . . . .	15.4	11.4	425	TX	Crosby . . . . .	3.4	16.6
186	TN	Hamblen . . . . .	32.9	18.8	425	TX	Lynn . . . . .	3.4	8.8
186	TN	Jefferson . . . . .	32.9	48.1	425	TX	Garza . . . . .	3.4	1.4
186	TN	Grainger . . . . .	32.9	53.3	425	TX	Cochran . . . . .	3.4	3.8
186	TN	Hancock . . . . .	32.9	25.1	425	TX	Dickens . . . . .	3.4	31.6
194	TN	Rutherford . . . . .	26.6	30.0	426	TX	Bexar . . . . .	1.6	0.7
194	TN	Warren . . . . .	26.6	18.3	426	TX	Atascosa . . . . .	1.6	1.1
194	TN	De Kalb . . . . .	26.6	28.8	426	TX	Medina . . . . .	1.6	3.3
194	TN	Cannon . . . . .	26.6	11.5	426	TX	Wilson . . . . .	1.6	16.6
199	TN	Coffee . . . . .	15.9	14.2	426	TX	Kendall . . . . .	1.6	30.5
199	TN	Franklin . . . . .	15.9	5.7	426	TX	Karnes . . . . .	1.6	31.6
199	TN	Bedford . . . . .	15.9	25.0	426	TX	Bandera . . . . .	1.6	31.7
199	TN	Grundy . . . . .	15.9	28.4	426	TX	Mc Mullen . . . . .	1.6	25.6
199	TN	Moore . . . . .	15.9	12.1	428	TX	Midland . . . . .	7.5	7.3
209	TN	Bradley . . . . .	20.9	19.4					

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
428	TX	Howard	7.5	6.0	461	TX	Brown	14.4	9.4
428	TX	Martin	7.5	12.8	461	TX	Coleman	14.4	22.9
428	TX	Glasscock	7.5	14.8	461	TX	San Saba	14.4	34.7
428	TX	Borden	7.5	60.0	461	TX	Mills	14.4	19.0
430	TX	Dallas	4.6	4.4	462	TX	Wilbarger	29.8	28.3
430	TX	Collin	4.6	3.5	462	TX	Hardeman	29.8	33.8
430	TX	Ellis	4.6	9.3	462	TX	Foard	29.8	30.4
430	TX	Kaufman	4.6	7.2	463	TX	Victoria	4.8	1.4
430	TX	Rockwall	4.6	5.0	463	TX	Calhoun	4.8	7.2
432	TX	Cameron	2.9	2.9	463	TX	De Witt	4.8	3.7
432	TX	Willacy	2.9	2.1	463	TX	Lavaca	4.8	10.8
434	TX	Travis	2.3	0.9	463	TX	Jackson	4.8	15.8
434	TX	Williamson	2.3	4.2	463	TX	Goliad	4.8	9.8
434	TX	Hays	2.3	4.8	465	TX	Brazos	10.8	3.7
434	TX	Bastrop	2.3	6.2	465	TX	Grimes	10.8	33.4
434	TX	Caldwell	2.3	7.7	465	TX	Robertson	10.8	16.1
434	TX	Burnet	2.3	8.5	465	TX	Burleson	10.8	33.8
434	TX	Llano	2.3	14.0	466	TX	Jones	41.2	50.7
435	TX	Tarrant	6.3	6.5	466	TX	Haskell	41.2	23.7
435	TX	Johnson	6.3	4.0	466	TX	Knox	41.2	32.1
435	TX	Parker	6.3	4.1	466	TX	Stonewall	41.2	34.0
435	TX	Hood	6.3	4.5	466	TX	Kent	41.2	62.5
435	TX	Somervell	6.3	23.5	470	TX	Kerr	15.9	9.0
437	TX	Hale	28.3	28.1	470	TX	Gillespie	15.9	8.1
437	TX	Swisher	28.3	28.3	470	TX	Blanco	15.9	59.2
437	TX	Floyd	28.3	25.5	470	TX	Kimble	15.9	14.7
437	TX	Briscoe	28.3	38.7	470	TX	Mason	15.9	27.6
437	TX	Motley	28.3	40.4	470	TX	Real	15.9	53.9
439	TX	Titus	12.5	3.5	470	TX	Edwards	15.9	35.9
439	TX	Morris	12.5	26.2	472	TX	Walker	22.6	15.1
439	TX	Camp	12.5	11.8	472	TX	Trinity	22.6	36.2
439	TX	Franklin	12.5	20.8	472	TX	Madison	22.6	40.5
440	TX	Nueces	3.4	1.6	473	TX	Grayson	12.6	7.6
440	TX	San Patricio	3.4	1.9	473	OK	Bryan	12.6	10.2
440	TX	Bee	3.4	12.8	473	TX	Fannin	12.6	26.1
440	TX	Aransas	3.4	2.0	473	OK	Atoka	12.6	38.0
440	TX	Live Oak	3.4	17.7	476	TX	Childress	22.4	5.2
440	TX	Refugio	3.4	38.9	476	TX	Hall	22.4	14.6
442	TX	Nacogdoches	15.8	10.6	476	TX	Donley	22.4	56.1
442	TX	Shelby	15.8	22.1	476	TX	Collingsworth	22.4	34.7
442	TX	Sabine	15.8	30.8	476	TX	Cottle	22.4	10.3
442	TX	San Augustine	15.8	16.2	476	TX	King	22.4	68.7
450	TX	Jefferson	15.7	14.3	477	TX	Mc Lennan	10.8	6.6
450	TX	Orange	15.7	16.2	477	TX	Hill	10.8	24.1
450	TX	Hardin	15.7	15.9	477	TX	Limestone	10.8	19.6
450	TX	Jasper	15.7	20.5	477	TX	Falls	10.8	34.7
450	TX	Tyler	15.7	22.4	480	TX	Ector	6.4	5.0
450	TX	Newton	15.7	22.6	480	TX	Pecos	6.4	9.9
453	TX	Potter	3.0	1.9	480	TX	Upton	6.4	14.8
453	TX	Randall	3.0	1.4	480	TX	Crane	6.4	9.9
453	TX	Hutchinson	3.0	2.5	480	TX	Terrell	6.4	49.5
453	TX	Moore	3.0	1.8	480	TX	Loving	6.4	50.0
453	TX	Carson	3.0	32.4	482	TX	Mc Culloch	41.6	32.6
453	TX	Dallam	3.0	17.2	482	TX	Concho	41.6	75.3
453	TX	Hartley	3.0	3.1	482	TX	Menard	41.6	47.5
453	TX	Sherman	3.0	14.8	484	TX	Gregg	12.7	4.7
453	TX	Oldham	3.0	5.4	484	TX	Harrison	12.7	16.0
453	TX	Armstrong	3.0	4.8	484	TX	Rusk	12.7	16.3
456	TX	Bell	3.6	2.0	484	TX	Upshur	12.7	20.0
456	TX	Coryell	3.6	4.9	484	TX	Panola	12.7	28.7
456	TX	Milam	3.6	16.1	484	TX	Marion	12.7	24.9
456	TX	Lampasas	3.6	14.2	485	TX	Palo Pinto	31.2	28.3
460	TX	Smith	16.5	4.9	485	TX	Young	31.2	30.9
460	TX	Henderson	16.5	24.1	485	TX	Jack	31.2	42.0
460	TX	Van Zandt	16.5	45.9	486	TX	Nolan	24.0	19.8
460	TX	Wood	16.5	44.7					

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of--		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of--	
			Area	County				Area	County
486	TX	Mitchell	24.0	31.9	520	TX	Anderson	30.8	20.4
486	TX	Fisher	24.0	25.0	520	TX	Houston	30.8	30.5
488	TX	Jim Wells	22.5	30.1	520	TX	Leon	30.8	63.5
488	TX	Kleberg	22.5	16.0	521	TX	Fayette	38.2	38.1
488	TX	Duval	22.5	20.5	521	TX	Colorado	38.2	38.3
488	TX	Brooks	22.5	6.0	523	TX	Brewster	9.6	6.2
488	TX	Jim Hogg	22.5	41.0	523	TX	Presidio	9.6	7.2
488	TX	Kenedy	22.5	54.1	523	TX	Culberson	9.6	17.4
490	TX	Angelina	18.5	7.0	523	TX	Jeff Davis	9.6	10.3
490	TX	Polk	18.5	45.9	526	TX	Cherokee	52.9	52.9
491	TX	Gray	21.4	19.2	527	TX	Reeves	29.2	29.2
491	TX	Wheeler	21.4	20.1	528	TX	Frio	46.5	45.4
491	TX	Hemphill	21.4	31.8	528	TX	La Salle	46.5	49.4
491	TX	Roberts	21.4	29.5	529	TX	Dawson	28.7	28.7
492	TX	Bosque	38.1	34.4	530	TX	Scurry	39.6	39.6
492	TX	Hamilton	38.1	45.5	531	TX	Montgomery	38.5	38.5
494	TX	Lamar	16.7	6.8	533	TX	Runnels	47.9	47.9
494	OK	Pittsburg	16.7	12.7	536	TX	Val Verde	4.8	4.3
494	OK	Choctaw	16.7	25.9	536	TX	Kinney	4.8	20.7
494	TX	Red River	16.7	49.0	537	TX	Webb	2.8	1.5
494	OK	Pushmataha	16.7	16.9	537	TX	Zapata	2.8	25.1
494	OK	Latimer	16.7	21.3	709	UT	Cache	8.8	3.1
495	TX	Guadalupe	27.8	30.0	709	UT	Box Elder	8.8	19.9
495	TX	Comal	27.8	26.3	709	ID	Franklin	8.8	5.4
495	TX	Gonzales	27.8	24.6	709	ID	Bear Lake	8.8	13.5
498	TX	Hunt	21.7	25.0	709	ID	Oneida	8.8	19.1
498	TX	Hopkins	21.7	12.2	712	UT	Utah	4.0	3.8
498	TX	Rains	21.7	27.1	712	UT	Sanpete	4.0	5.7
498	TX	Delta	21.7	33.7	712	UT	Millard	4.0	8.2
500	TX	Bowie	8.6	4.8	712	UT	Juab	4.0	3.3
500	AR	Miller	8.6	3.3	715	UT	Salt Lake	3.6	3.0
500	TX	Cass	8.6	24.1	715	UT	Tooele	3.6	5.9
500	AR	Little River	8.6	12.7	715	UT	Summit	3.6	18.6
501	TX	Ochiltree	29.5	19.9	715	UT	Wasatch	3.6	21.6
501	TX	Hansford	29.5	48.6	729	UT	Uintah	11.3	5.4
502	TX	Deaf Smith	36.4	19.3	729	UT	Duchesne	11.3	19.2
502	TX	Parker	36.4	64.6	729	UT	Daggett	11.3	46.3
502	TX	Castro	36.4	48.3	739	UT	Washington	3.6	2.2
503	TX	Erath	27.3	26.8	739	UT	Iron	3.6	4.0
503	TX	Comanche	27.3	28.1	739	UT	Beaver	3.6	4.8
506	TX	Ward	33.9	34.1	739	NV	Lincoln	3.6	18.2
506	TX	Winkler	33.9	33.6	742	UT	Davis	11.8	18.5
507	TX	Maverick	12.0	5.0	742	UT	Weber	11.8	2.0
507	TX	Uvalde	12.0	26.1	742	WY	Uinta	11.8	22.8
507	TX	Zavala	12.0	8.3	742	UT	Morgan	11.8	3.4
507	TX	Dimmit	12.0	11.3	742	UT	Rich	11.8	51.7
508	TX	El Paso	0.7	0.3	805	UT	Sevier	27.9	23.6
508	NM	Dona Ana	0.7	1.1	805	UT	Wayne	27.9	52.0
508	NM	Luna	0.7	5.2	805	UT	Piute	27.9	46.7
508	NM	Sierra	0.7	15.7	825	UT	Grand	11.5	11.5
508	TX	Hudspeth	0.7	19.1	829	UT	Carbon	12.4	7.5
509	TX	Hidalgo	3.1	3.3	829	UT	Emery	12.4	20.8
509	TX	Starr	3.1	1.3	1	VA	Fairfax	18.3	13.4
512	TX	Washington	25.3	12.9	1	VA	Arlington	18.3	32.1
512	TX	Lee	25.3	48.5	1	VA	Alexandria City	18.3	34.8
514	TX	Denton	37.0	39.1	1	VA	Loudoun	18.3	7.1
514	TX	Wise	37.0	35.2	2	VA	Henrico	4.7	0.4
514	TX	Cooke	37.0	19.6	2	VA	Chesterfield	4.7	0.5
516	TX	Navarro	17.5	13.1	2	VA	Dinwiddie	4.7	0.4
516	TX	Freestone	17.5	29.9	2	VA	Hanover	4.7	0.8
519	TX	Matagorda	19.4	15.3	2	VA	Prince George	4.7	0.6
519	TX	Wharton	19.4	24.2	2	VA	Prince George	4.7	0.6

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800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
2	VA	Caroline . . . . .	4.7	31.7	58	WV	Morgan . . . . .	15.8	26.1
2	VA	Brunswick . . . . .	4.7	18.5	58	VA	Clarke . . . . .	15.8	25.8
2	VA	Westmoreland . . . . .	4.7	47.7	58	WV	Hardy . . . . .	15.8	57.1
2	VA	Greensville . . . . .	4.7	11.4	68	VA	Henry . . . . .	16.2	14.1
2	VA	Nottoway . . . . .	4.7	18.6	68	VA	Patrick . . . . .	16.2	27.7
2	VA	Powhatan . . . . .	4.7	1.3	82	VA	Rockingham . . . . .	14.7	3.9
2	VA	Goochland . . . . .	4.7	4.7	82	VA	Shenandoah . . . . .	14.7	27.9
2	VA	Lunenburg . . . . .	4.7	43.5	82	VA	Page . . . . .	14.7	31.4
2	VA	New Kent . . . . .	4.7	23.3	82	WV	Pendleton . . . . .	14.7	34.8
2	VA	Sussex . . . . .	4.7	22.8	104	VA	Wise . . . . .	18.5	13.9
2	VA	King William . . . . .	4.7	17.2	104	KY	Letcher . . . . .	18.5	9.1
2	VA	Essex . . . . .	4.7	10.9	104	VA	Lee . . . . .	18.5	30.7
2	VA	Amelia . . . . .	4.7	5.9	104	VA	Dickenson . . . . .	18.5	33.6
2	VA	Cumberland . . . . .	4.7	51.0	113	VA	Smyth . . . . .	25.6	18.6
2	VA	Richmond . . . . .	4.7	35.6	113	VA	Wythe . . . . .	25.6	33.6
2	VA	Charles City . . . . .	4.7	15.3	117	VA	Augusta . . . . .	13.9	15.8
2	VA	King and Queen . . . . .	4.7	30.8	117	VA	Rockbridge . . . . .	13.9	6.0
8	VA	Newport News . . . . .	7.4	3.9	117	VA	Highland . . . . .	13.9	21.2
8	VA	Hampton City . . . . .	7.4	4.5	123	VA	Lancaster . . . . .	29.8	25.1
8	VA	York . . . . .	7.4	2.8	123	VA	Northumberland . . . . .	29.8	36.3
8	VA	James City . . . . .	7.4	4.2	126	VA	Prince Edward . . . . .	38.7	38.7
8	VA	Gloucester . . . . .	7.4	4.9	127	VA	Pittsylvania . . . . .	17.0	17.0
8	VA	Isle of Wight . . . . .	7.4	43.7	128	VA	Spotsylvania . . . . .	34.2	25.6
8	VA	Mathews . . . . .	7.4	6.2	128	VA	Stafford . . . . .	34.2	47.2
8	VA	Middlesex . . . . .	7.4	45.4	128	VA	King George . . . . .	34.2	30.5
8	VA	Surry . . . . .	7.4	58.1	133	VA	Accomack . . . . .	20.8	26.6
10	VA	Roanoke . . . . .	4.1	3.5	133	VA	Northampton . . . . .	20.8	7.7
10	VA	Campbell . . . . .	4.1	2.4	49	VT	Chittenden . . . . .	1.9	1.4
10	VA	Bedford . . . . .	4.1	0.9	49	VT	Franklin . . . . .	1.9	0.9
10	VA	Franklin . . . . .	4.1	4.3	49	VT	Lamoille . . . . .	1.9	7.7
10	VA	Amherst . . . . .	4.1	4.3	49	VT	Grand Isle . . . . .	1.9	0.4
10	VA	Botetourt . . . . .	4.1	5.1	95	VT	Rutland . . . . .	16.0	9.6
10	VA	Appomattox . . . . .	4.1	3.2	95	VT	Addison . . . . .	16.0	28.3
10	VA	Floyd . . . . .	4.1	50.3	116	VT	Caledonia . . . . .	19.3	27.8
10	VA	Craig . . . . .	4.1	14.4	116	VT	Orleans . . . . .	19.3	9.4
14	VA	Virginia Beach . . . . .	1.5	1.3	700	WA	Benton . . . . .	5.6	4.7
14	VA	Norfolk/Portsmouth . . . . .	1.5	1.3	700	WA	Franklin . . . . .	5.6	7.6
14	VA	Chesapeake City . . . . .	1.5	1.1	706	WA	Spokane . . . . .	1.0	0.8
14	VA	Nansemond . . . . .	1.5	3.3	706	WA	Stevens . . . . .	1.0	0.6
14	VA	Southampton . . . . .	1.5	5.9	706	WA	Lincoln . . . . .	1.0	7.4
20	VA	Carroll . . . . .	19.8	30.7	706	WA	Pend Oreille . . . . .	1.0	5.1
20	VA	Grayson . . . . .	19.8	10.8	706	WA	Ferry . . . . .	1.0	3.6
20	NC	Alleghany . . . . .	19.8	16.6	731	WA	Grays Harbor . . . . .	37.7	34.4
25	VA	Montgomery . . . . .	14.9	17.5	731	WA	Pacific . . . . .	37.7	51.8
25	VA	Pulaski . . . . .	14.9	10.8	741	WA	King . . . . .	4.4	5.2
25	VA	Giles . . . . .	14.9	9.9	741	WA	Snohomish . . . . .	4.4	1.8
32	VA	Alleghany . . . . .	17.2	16.6	748	WA	Pierce . . . . .	6.3	5.7
32	VA	Bath . . . . .	17.2	20.1	748	WA	Kitsap . . . . .	6.3	9.0
38	VA	Halifax . . . . .	23.7	7.2	748	WA	Thurston . . . . .	6.3	6.0
38	VA	Mecklenburg . . . . .	23.7	30.8	748	WA	Mason . . . . .	6.3	3.7
38	VA	Charlotte . . . . .	23.7	52.2	754	WA	Grant . . . . .	21.6	21.7
53	VA	Prince William . . . . .	31.9	52.8	754	WA	Adams . . . . .	21.6	21.4
53	VA	Albemarle . . . . .	31.9	1.5	757	WA	Whitman . . . . .	12.3	15.5
53	VA	Fauquier . . . . .	31.9	18.1	757	ID	Latah . . . . .	12.3	9.2
53	VA	Culpepper . . . . .	31.9	5.6	788	WA	Yakima . . . . .	5.5	5.4
53	VA	Orange . . . . .	31.9	13.5	788	WA	Kittitas . . . . .	5.5	5.6
53	VA	Louisa . . . . .	31.9	35.6	790	WA	Clallam . . . . .	5.6	3.1
53	VA	Buckingham . . . . .	31.9	28.7	790	WA	Jefferson . . . . .	5.6	14.8
53	VA	Nelson . . . . .	31.9	32.3	798	WA	Skagit . . . . .	8.9	6.7
53	VA	Fluvanna . . . . .	31.9	2.9	798	WA	Island . . . . .	8.9	10.0
53	VA	Madison . . . . .	31.9	3.1	798	WA	San Juan . . . . .	8.9	27.3
53	VA	Greene . . . . .	31.9	3.1					
53	VA	Rappahannock . . . . .	31.9	20.2					
58	VA	Frederick . . . . .	15.8	4.2					
58	WV	Berkeley . . . . .	15.8	12.7					
58	VA	Warren . . . . .	15.8	17.5					
58	WV	Hampshire . . . . .	15.8	32.3					



Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
802	WA	Chelan . . . . .	7.7	5.4	373	WI	Rusk . . . . .	16.4	12.5
802	WA	Douglas . . . . .	7.7	12.9	373	WI	Sawyer . . . . .	16.4	42.4
804	WA	Lewis . . . . .	15.5	15.5	380	WI	Rock . . . . .	19.9	9.9
816	WA	Cowlitz . . . . .	10.4	10.0	380	WI	Walworth . . . . .	19.9	42.6
816	WA	Wahkiakum . . . . .	10.4	25.3	382	WI	Racine . . . . .	11.9	13.0
823	WA	Okanogan . . . . .	16.0	16.0	382	WI	Kenosha . . . . .	11.9	10.4
827	WA	Whatcom . . . . .	4.5	4.5	387	WI	Juneau . . . . .	48.1	46.0
279	WI	Brown . . . . .	3.2	2.3	387	WI	Adams . . . . .	48.1	52.0
279	WI	Oconto . . . . .	3.2	9.8	388	WI	Sheboygan . . . . .	8.5	7.4
279	WI	Door . . . . .	3.2	1.2	388	WI	Manitowoc . . . . .	8.5	10.0
279	WI	Kewaunee . . . . .	3.2	4.2	389	WI	Onelda . . . . .	7.5	5.6
291	WI	Milwaukee . . . . .	0.7	0.5	389	WI	Vilas . . . . .	7.5	4.2
291	WI	Waukesha . . . . .	0.7	0.9	389	WI	Forest . . . . .	7.5	18.5
291	WI	Washington . . . . .	0.7	1.7	6	WV	Raleigh . . . . .	18.8	11.6
291	WI	Ozaukee . . . . .	0.7	2.1	6	WV	Fayette . . . . .	18.8	16.6
300	WI	La Crosse . . . . .	5.3	0.4	6	WV	Wyoming . . . . .	18.8	39.7
300	WI	Monroe . . . . .	5.3	2.4	17	WV	Mercer . . . . .	7.0	3.9
300	WI	Vernon . . . . .	5.3	2.7	17	VA	Tazewell . . . . .	7.0	6.8
300	WI	Trumpealeau . . . . .	5.3	30.6	17	WV	Mc Dowell . . . . .	7.0	5.3
300	MN	Houston . . . . .	5.3	3.7	17	VA	Buchanan . . . . .	7.0	10.3
300	WI	Jackson . . . . .	5.3	8.0	17	VA	Bland . . . . .	7.0	41.8
301	WI	Dane . . . . .	3.8	1.3	21	WV	Randolph . . . . .	14.8	3.3
301	WI	Columbia . . . . .	3.8	7.7	21	WV	Upshur . . . . .	14.8	20.2
301	WI	Sauk . . . . .	3.8	4.8	21	WV	Barbour . . . . .	14.8	15.1
301	WI	Iowa . . . . .	3.8	13.1	21	WV	Pocahontas . . . . .	14.8	41.5
301	WI	Marquette . . . . .	3.8	37.5	21	WV	Tucker . . . . .	14.8	10.8
316	WI	Eau Claire . . . . .	4.9	2.8	34	WV	Cabell . . . . .	9.5	2.1
316	WI	Chippewa . . . . .	4.9	4.4	34	OH	Lawrence . . . . .	9.5	2.7
316	WI	Dunn . . . . .	4.9	6.9	34	KY	Boyd . . . . .	9.5	1.4
316	WI	Pepin . . . . .	4.9	21.4	34	WV	Wayne . . . . .	9.5	1.2
327	WI	Winnebago . . . . .	6.6	2.3	34	KY	Greenup . . . . .	9.5	17.1
327	WI	Outagamie . . . . .	6.6	7.0	34	KY	Carter . . . . .	9.5	30.5
327	WI	Waupaca . . . . .	6.6	11.0	34	WV	Lincoln . . . . .	9.5	30.9
327	WI	Calumet . . . . .	6.6	15.5	34	KY	Lawrence . . . . .	9.5	11.4
342	WI	Fond Du Lac . . . . .	15.3	13.0	34	KY	Martin . . . . .	9.5	39.3
342	WI	Portage . . . . .	15.3	9.7	39	WV	Logan . . . . .	27.9	22.3
342	WI	Waushara . . . . .	15.3	30.9	39	WV	Mingo . . . . .	27.9	33.7
342	WI	Green Lake . . . . .	15.3	31.7	61	WV	Monongalia . . . . .	8.5	1.3
344	WI	Wood . . . . .	9.2	3.7	61	WV	Marion . . . . .	8.5	1.9
344	WI	Clark . . . . .	9.2	18.5	61	PA	Greene . . . . .	8.5	17.5
344	WI	Taylor . . . . .	9.2	12.8	61	WV	Preston . . . . .	8.5	14.9
344	WI	Price . . . . .	9.2	13.3	61	WV	Taylor . . . . .	8.5	26.4
346	WI	Dodge . . . . .	44.7	45.0	65	WV	Kanawha . . . . .	9.5	1.6
346	WI	Jefferson . . . . .	44.7	44.4	65	WV	Putnam . . . . .	9.5	17.1
349	WI	Marathon . . . . .	20.7	21.2	65	WV	Boone . . . . .	9.5	29.5
349	WI	Shawano . . . . .	20.7	34.0	65	WV	Jackson . . . . .	9.5	35.9
349	WI	Lincoln . . . . .	20.7	11.1	65	WV	Roane . . . . .	9.5	5.8
349	WI	Langlade . . . . .	20.7	7.5	65	WV	Clay . . . . .	9.5	23.3
349	WI	Menominee . . . . .	20.7	17.2	66	WV	Nicholas . . . . .	30.1	36.8
359	WI	Polk . . . . .	19.6	22.1	66	WV	Webster . . . . .	30.1	13.8
359	WI	Washburn . . . . .	19.6	20.4	67	WV	Wood . . . . .	5.7	2.8
359	WI	Burnett . . . . .	19.6	10.7	67	OH	Washington . . . . .	5.7	3.7
362	WI	Grant . . . . .	36.2	37.0	67	WV	Ritchie . . . . .	5.7	19.0
362	WI	Richland . . . . .	36.2	26.0	67	WV	Calhoun . . . . .	5.7	25.9
362	WI	Crawford . . . . .	36.2	44.5	67	WV	Pleasants . . . . .	5.7	10.9
363	WI	Marinette . . . . .	14.5	20.8	67	WV	Wirt . . . . .	5.7	10.0
363	MI	Dickinson . . . . .	14.5	3.4	73	WV	Harrison . . . . .	17.6	13.0
363	MI	Menominee . . . . .	14.5	20.0	73	WV	Lewis . . . . .	17.6	12.8
363	MI	Iron . . . . .	14.5	6.0	73	WV	Braxton . . . . .	17.6	35.7
363	WI	Florence . . . . .	14.5	8.7	73	WV	Gilmer . . . . .	17.6	45.0
367	WI	Green . . . . .	32.2	27.3	73	WV	Doddridge . . . . .	17.6	10.6
367	WI	Lafayette . . . . .	32.2	40.1	93	WV	Greenbrier . . . . .	32.9	23.7
373	WI	Barron . . . . .	16.4	9.0	93	WV	Summers . . . . .	32.9	27.4
					93	WV	Monroe . . . . .	32.9	62.9

Table III. List of obstetric service areas for 800-unlinked solution and percent of hospital births by residents outside areas in 1984-86—Con.

800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—		800-unlinked area no.	State	County	Percent of hospital births outside 800-unlinked area by residents of—	
			Area	County				Area	County
836	WV	Jefferson . . . . .	37.5	37.5	782	WY	Washakie . . . . .	10.3	8.6
745	WY	Natrona . . . . .	4.1	2.7	782	WY	Hot Springs . . . . .	10.3	13.4
745	WY	Converse . . . . .	4.1	11.2	786	WY	Laramie . . . . .	10.3	9.1
752	WY	Campbell . . . . .	7.4	4.1	786	WY	Platte . . . . .	10.3	21.8
752	WY	Sheridan . . . . .	7.4	2.5	792	WY	Lincoln . . . . .	17.4	24.9
752	WY	Johnson . . . . .	7.4	7.7	792	WY	Teton . . . . .	17.4	7.2
752	WY	Crook . . . . .	7.4	47.1	792	WY	Sublette . . . . .	17.4	12.8
753	WY	Albany . . . . .	9.6	5.3	806	WY	Fremont . . . . .	4.0	4.0
753	WY	Carbon . . . . .	9.6	13.1	820	WY	Weston . . . . .	17.1	17.1
753	CO	Jackson . . . . .	9.6	53.1	831	WY	Sweetwater . . . . .	11.6	11.6
765	WY	Park . . . . .	7.2	5.5					
765	WY	Big Horn . . . . .	7.2	10.8					

**Table IV. Percent distribution of obstetric service areas and population according to travel for hospital births, by type of area: United States, 1984-86**

[Data are for the coterminous United States]

Travel measure	Type of area				
	Obstetric areas			HCCA	County
	All	Metro	Nonmetro		
Number of areas . . . . .	836	343	493	775	3073
Births outside area by residents					
	Percent distribution of areas				
Less than 25 percent . . . . .	78.5	90.1	70.4	71.0	27.0
25-49 percent . . . . .	20.1	9.0	27.8	21.8	23.3
50 percent or more . . . . .	1.4	0.1	1.8	7.2	49.7
	Percent distribution of population living in areas				
Less than 25 percent . . . . .	94.4	96.9	80.2	96.2	65.3
25-49 percent . . . . .	5.3	3.0	18.9	3.3	18.1
50 percent or more . . . . .	0.3	0.2	0.9	0.6	16.6
Births inside area by nonresidents					
	Percent distribution of areas				
Less than 25 percent . . . . .	95.5	98.8	93.1	81.5	60.7
25-49 percent . . . . .	4.4	1.2	6.7	16.6	31.9
50 percent or more . . . . .	0.1	-	0.2	1.8	7.5
	Percent distribution of population living in areas				
Less than 25 percent . . . . .	99.0	99.5	96.2	97.3	68.1
25-49 percent . . . . .	1.0	0.5	3.8	2.5	27.1
50 percent or more . . . . .	0.0	-	0.1	0.2	4.9

Note: Metropolitan service areas include at least one metropolitan county.

**Table V. Percent of hospital births outside area of residence, by type of county and type of area: United States, 1984-86**  
 [Data are for the coterminous United States]

<i>Type of county of residence</i>	<i>Type of area</i>		
	<i>Obstetric area</i>	<i>HCCA</i>	<i>County</i>
	Percent of hospital births		
All counties . . . . .	8.4	6.6	23.3
Metropolitan . . . . .	5.8	3.3	18.2
Large core . . . . .	3.5	1.7	9.6
Large fringe . . . . .	10.0	4.7	37.5
Medium . . . . .	5.8	3.8	17.2
Small . . . . .	5.4	4.5	13.1
Nonmetropolitan . . . . .	17.1	17.8	40.9
Urban . . . . .	11.6	10.1	20.2
Less urban . . . . .	18.9	20.3	47.1
Rural . . . . .	26.1	30.3	77.3

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