

An Atlas of *Salmonella* in the United States, 1968-2011



National Center for Emerging and Zoonotic Infectious Diseases
Division of Foodborne, Waterborne, and Environmental Diseases



Newport | Oranienburg | Panama | Poona | Reading | Saintpaul | San­diego | Schwarzengrund | Senftenberg |
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rg | Stanley | Thompson | Typhi | Typhimurium | Agona | Anatum | Berta | Blockely | Branderup | Derby
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g | Saintpaul | San­diego | Schwarzengrund | Senftenberg | Stanley | Thompson | Typhi | Typhimurium | Agona |
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 | Blockely | Branderup | Derby | Enteritidis | Hadar | Heidelberg | I 4,[5],12:i:- | Infantis | Javiana | Litchfield
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nana | Poona | Reading | Saintpaul | San­diego | Schwarzengrund | Senftenberg | Stanley | Thompson | Typhi |
 | Blockely | Branderup | Derby | Enteritidis | Hadar | Heidelberg | I 4,[5],12:i:- | Infantis | Javiana | Litchfield

Salmonellosis is estimated to cause more than 1.2 million illnesses each year in the United States, with more than 23,000 hospitalizations and 450 deaths (1). *Salmonella* infections most often cause gastroenteritis, which can range from mild to severe. However, invasive infections can also occur and can be severe and life-threatening.

National surveillance for *Salmonella* infections was established in the United States in 1962. Clinical diagnostic laboratories submit *Salmonella* isolates from human clinical specimens to state and territorial public health laboratories, where they are confirmed and serotyped according to the Kauffmann-White scheme. Reports of these laboratory-confirmed *Salmonella* isolates are then submitted by state and territorial public health departments to the Centers for Disease Control and Prevention (CDC) (2). Unusual or untypable serotypes are forwarded to the National *Salmonella* Reference Laboratory at CDC for further characterization or confirmation; results are reported back to state and territorial public health laboratories. Serotyping provides a consistent subtyping scheme for that has changed little over time, permitting analysis of trends in surveillance data. In the United States, serotype-specific *Salmonella* surveillance is conducted to define endemic patterns of salmonellosis, to detect outbreaks, to identify temporal trends in disease transmission, and to monitor the impact of control efforts. This report summarizes 42 years of surveillance data on *Salmonella* isolates from humans, and includes analyses by age, sex, geography, and season.

In addition to reports of isolates from humans, reports of *Salmonella* isolates from animals and related sources (e.g., environment and feeds) are included in this report; these data come from the National Veterinary Services Laboratories (NVSL) of the United States Department of Agriculture's Food Safety and Inspection Service (USDA-FSIS). These isolates are submitted by veterinary diagnostic laboratories throughout the United States for serotyping (2). Clinical animal isolates (referred to as "clinical/non-human") are *Salmonella* isolates from animals with clinical signs consistent with salmonellosis; "non-clinical/non-human" isolates are *Salmonella* isolates identified through herd and flock monitoring and surveillance, feed sample testing, environmental testing, and USDA-FSIS food testing programs.

Explanation of Figures

Figures for this report were generated using data from a 42-year period, 1968 to 2011, for the top 30 serotypes.

Figure 1 shows the 3-month moving average rate of reported isolates (per 100,000 population) by month and year. Data points for each month are the mean of the rate of isolates from that month (determined by specimen collection date) and the preceding and subsequent months. This smoothing process reduces erratic fluctuations (reporting artifacts, random changes, or outbreaks) that could obscure real periodic changes and therefore helps reveal periodic occurrences that are useful for characterizing some serotypes.

Figure 2 shows the distribution of human isolates by specimen source. The graph has 6 different types or groups of sources. For each source type, the data graphed are the percentage of the total number of isolates reported for each source. Note that the Y-axis scale varies from serotype to serotype.

Figure 3 shows the distribution of isolates by month of specimen collection for each of 3 age groups: 0-4 years old, 5-29 years old, and 30+ years old. For each age group, the percentage of isolates reported in each month of the year is plotted.

Figure 4 shows the rate of isolates (per 100,000 population) by year for each of 3 age groups: 0-4 years old, 5-29 years old, and 30+ years old. Note that the Y-axis scale varies from serotype to serotype.

Figure 5 shows the median ages of persons whose specimens yielded isolates, by sex, for each month of the year.

Figure 6 shows the median ages of persons whose specimens yielded isolates, by sex, for each year of specimen collection. When interpreting this graph, it is important to bear in mind that, over this period, the average age of the US population increased.

Figure 7 shows the distribution by age group and sex of persons whose specimens yielded isolates. Age-groups are <1, 1-4, 5-9, 10-19, 20-29, 30-39, 40-49, 50-59, 60-69, 70-79 and 80+ years old. For each age group the graph shows the percentage of the total number of isolates reported for each sex. These percentages are not adjusted for the unequal age group intervals. Note that the Y-axis scale varies from serotype to serotype.

Figure 8 summarizes data from NVSL for non-human sources from 1968 to 2011. Samples originating from non-human sources are tested for *Salmonella* for a variety of purposes; sampling is neither complete nor representative, and any interpretation of these data should consider these limitations.

Figures 9 through 14 show age-standardized rates of isolates per 100,000 population, by county, in 6 maps. Eight-year intervals were used for the analysis, except for the last two intervals, which are 7 and 6 years, respectively. Average rates for each county were determined by summing the total number of isolates from each time interval and dividing by the population, based on US census data for the midpoint of the interval. The county-specific rates were then standardized to the age distribution of the 2011 census. The data were categorized into four levels corresponding to quartiles of the overall serotype-specific incidences over the 42-year period. Counties for which data are not shown are those for which the state reported isolates of the serotype but did not provide county-level information or for which the state reported no isolates of the serotype (no infections with that serotype were diagnosed, or isolates were not fully serotyped). Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time.

Data limitations

A major limitation of these data is that many cases of salmonellosis are not diagnosed and reported to the state health department; this may occur because the ill person does not seek medical care, the health care provider does not obtain a stool culture, or the culture results are not reported to public health officials. These factors lead to underreporting; it is estimated that 29.3 cases of salmonellosis occur for every one that is laboratory-confirmed and reported (1). A second important limitation is that, overall, 7.6% of specimens are reported with missing or incomplete serotype, which adds another source of potential bias to the data descriptions.

References

1. Scallan E, Hoekstra RM, Angulo FJ, Tauxe RV, Widdowson MA, Roy SL, Jones JL, Griffin PM. Foodborne illness acquired in the United States--major pathogens. *Emerg Infect Dis*. 2011 Jan;17(1):7-15.
2. Centers for Disease Control and Prevention (CDC). National *Salmonella* Surveillance Overview. Atlanta, Georgia: US Department of Health and Human Services, CDC, 2011. http://www.cdc.gov/nationalsurveillance/PDFs/NationalSalmSurveillOverview_508.pdf (accessed 10/25/2012)
3. National Veterinary Services Laboratory: http://www.aphis.usda.gov/animal_health/lab_info_services/about_nvsl.shtml (accessed 10/22/2012)

Suggested Citation

Centers for Disease Control and Prevention (CDC). An Atlas of *Salmonella* in the United States, 1968-2011: Laboratory-based Enteric Disease Surveillance. Atlanta, Georgia: US Department of Health and Human Services, CDC, 2013.

Salmonella serotype Agona

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

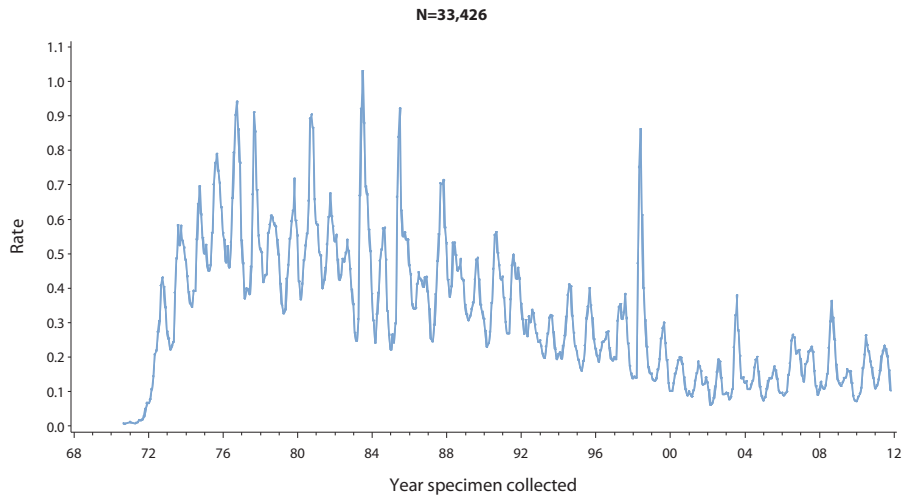


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

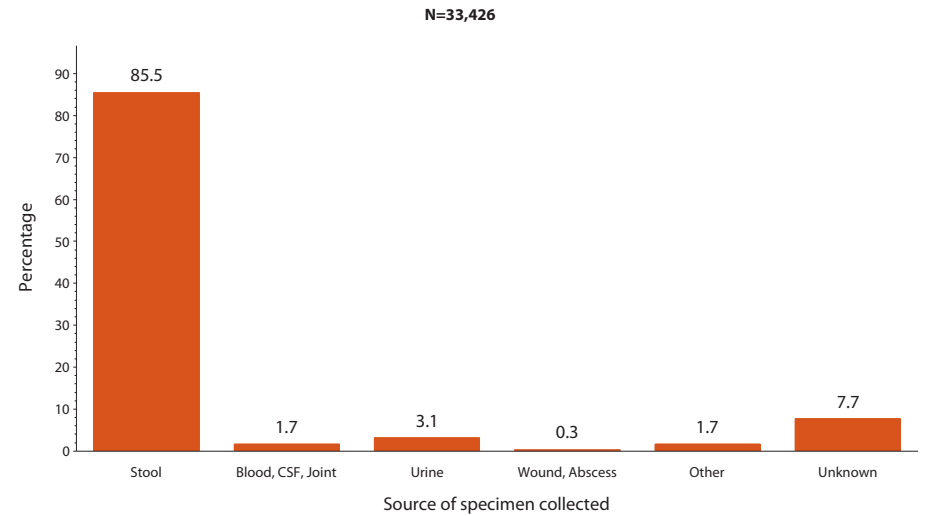


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

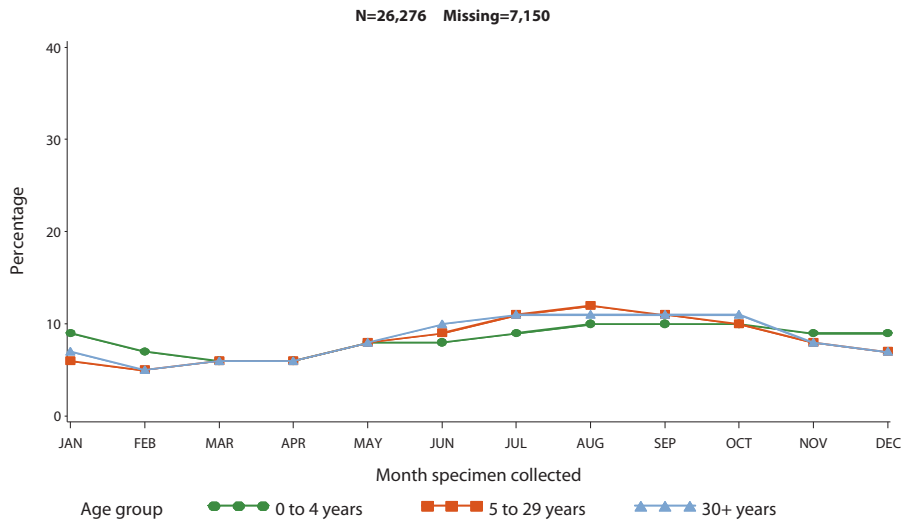


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011

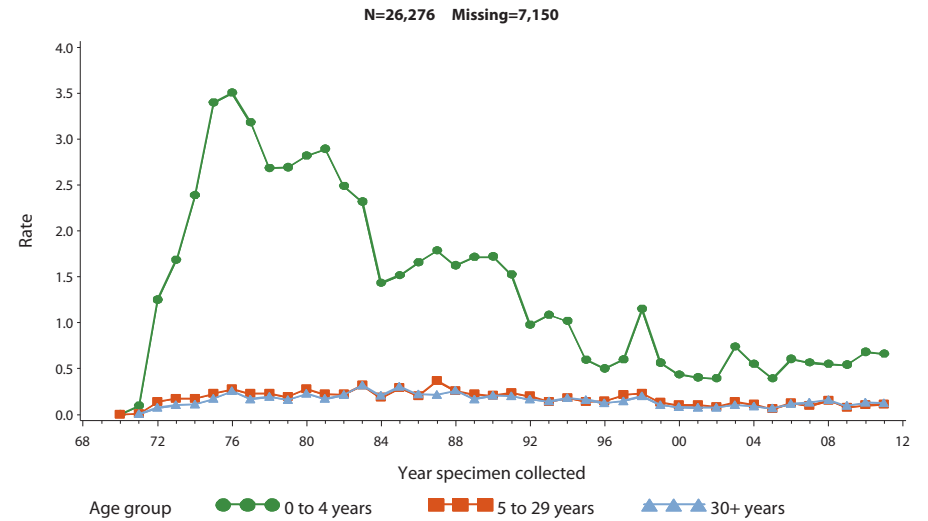


Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=26,276 Missing=7,701

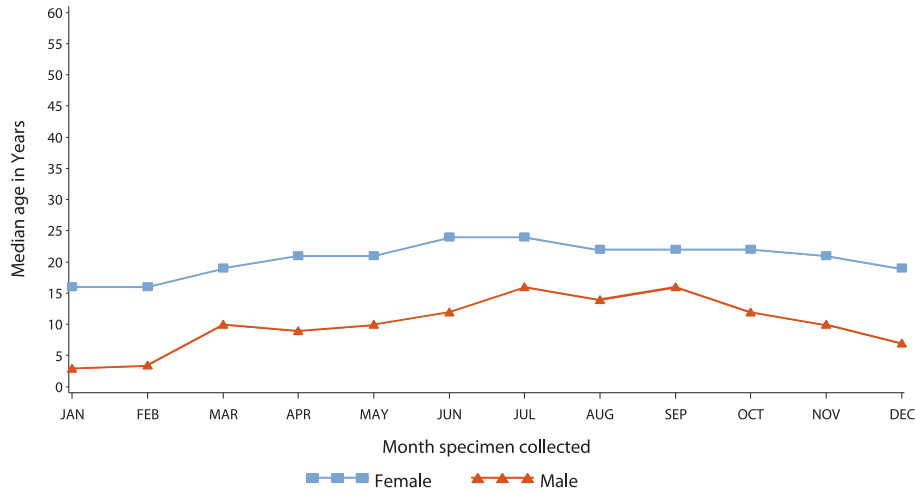


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=26,276 Missing=7,701

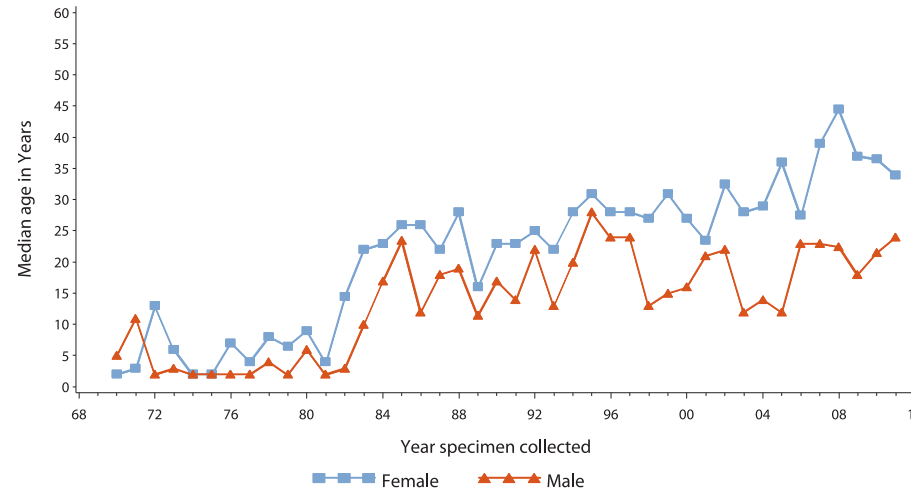


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=26,276 Missing=7,701

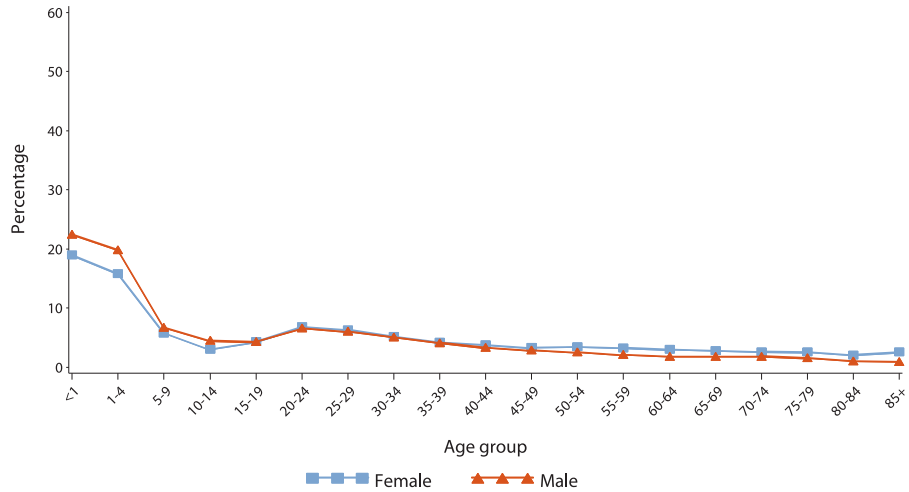


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=16,611

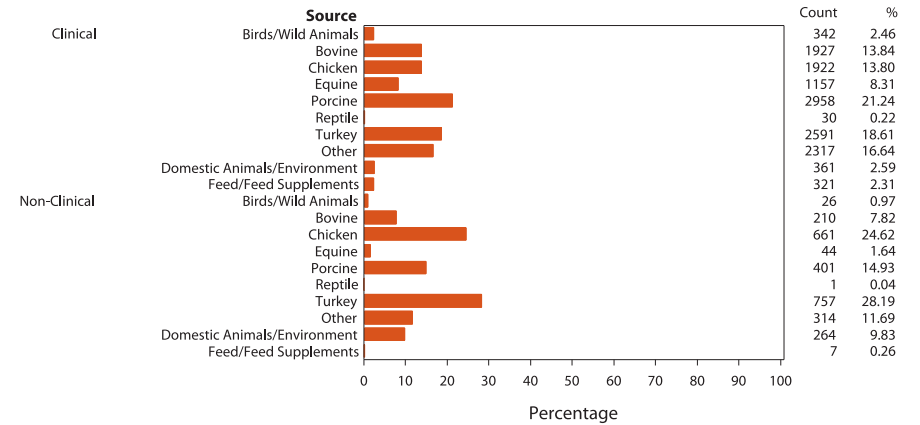
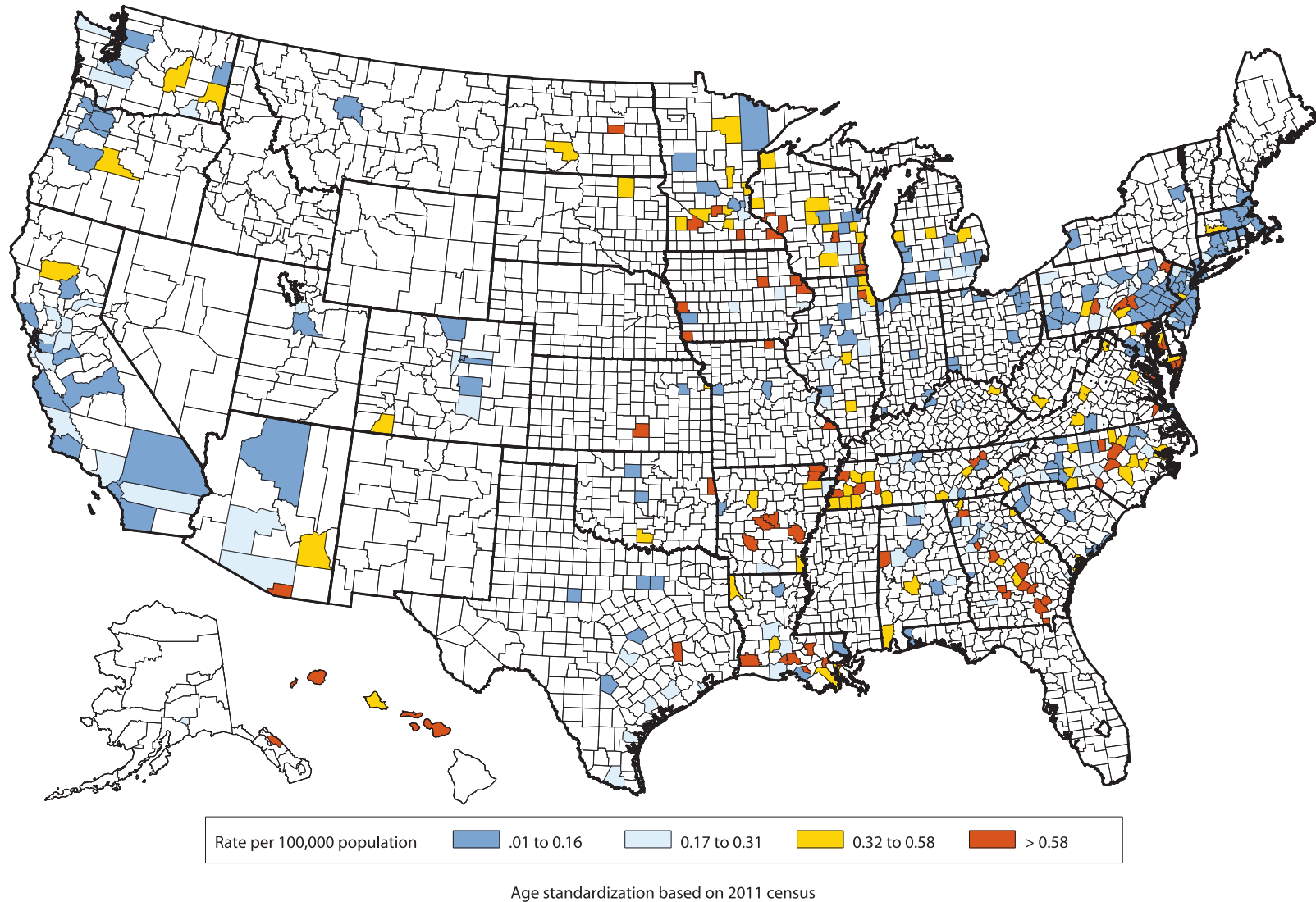
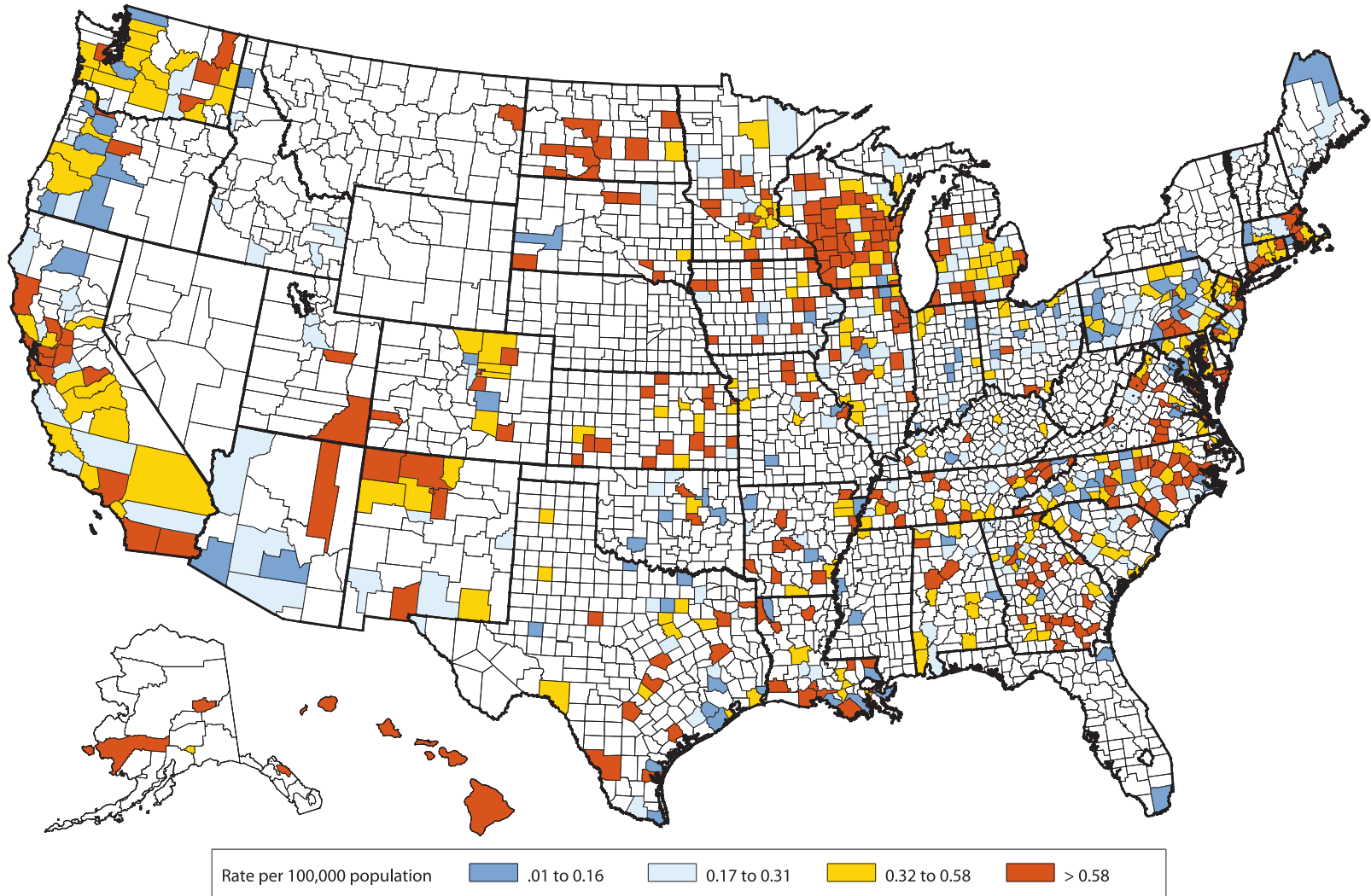


Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

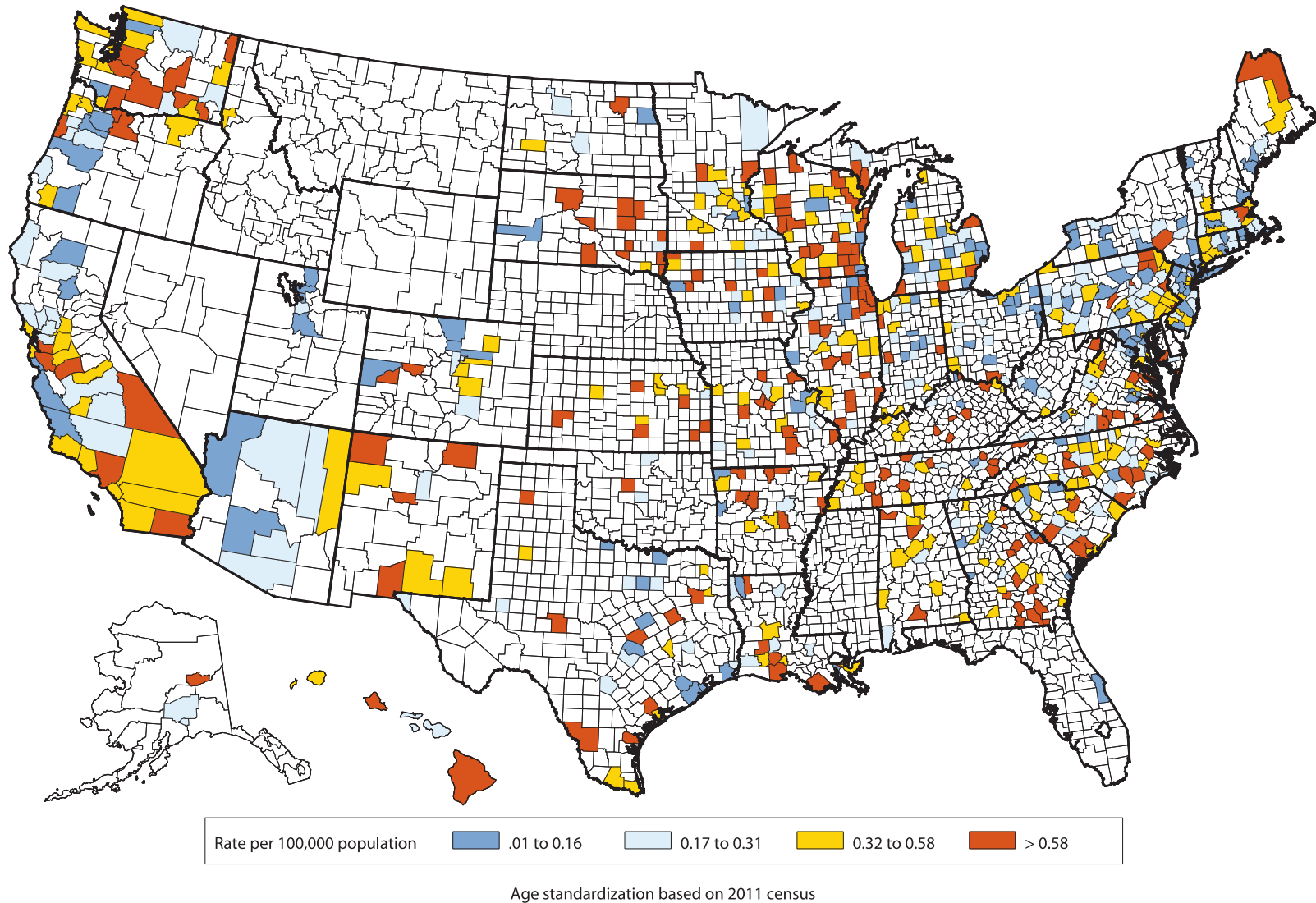
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

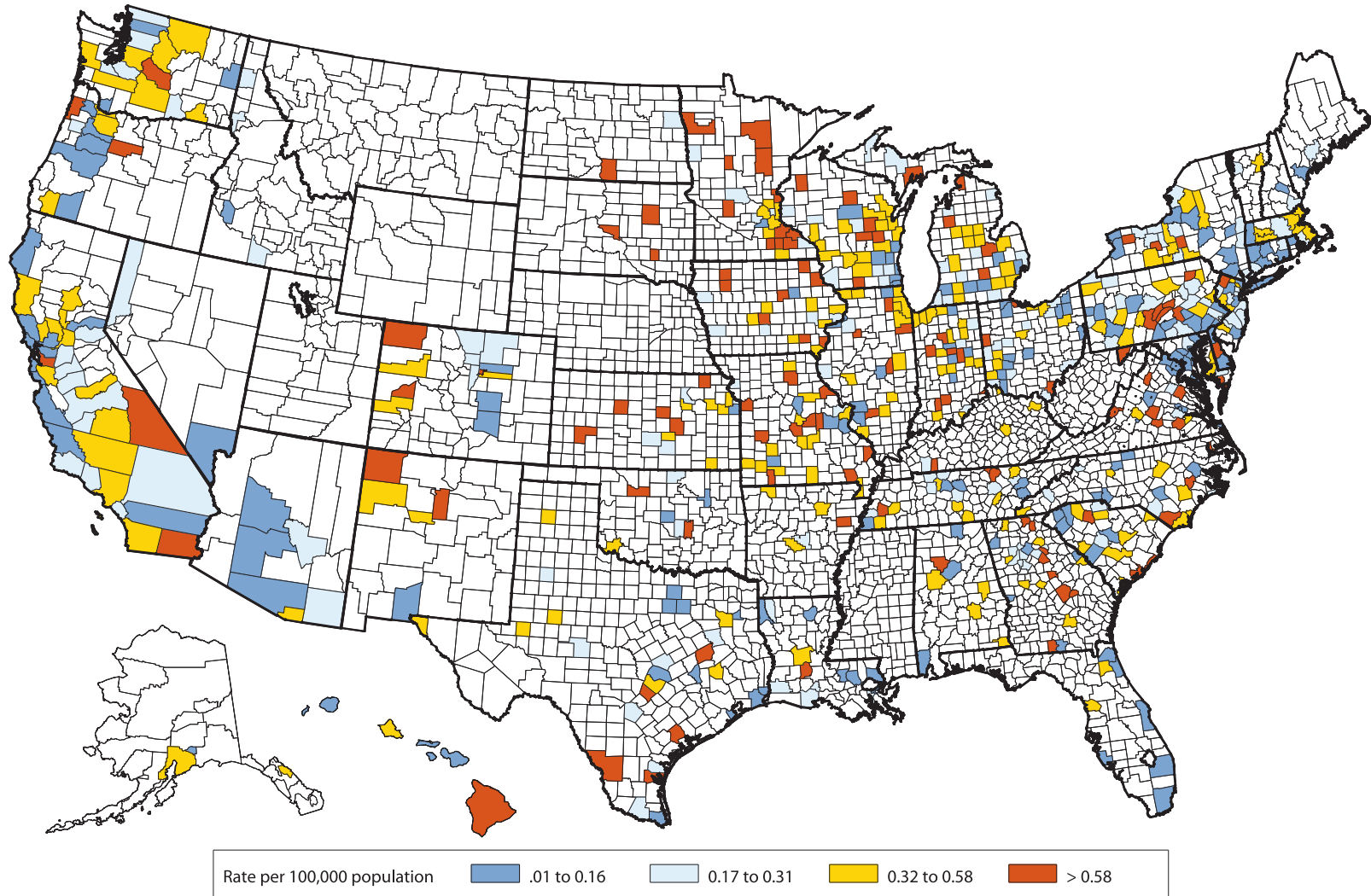
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Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



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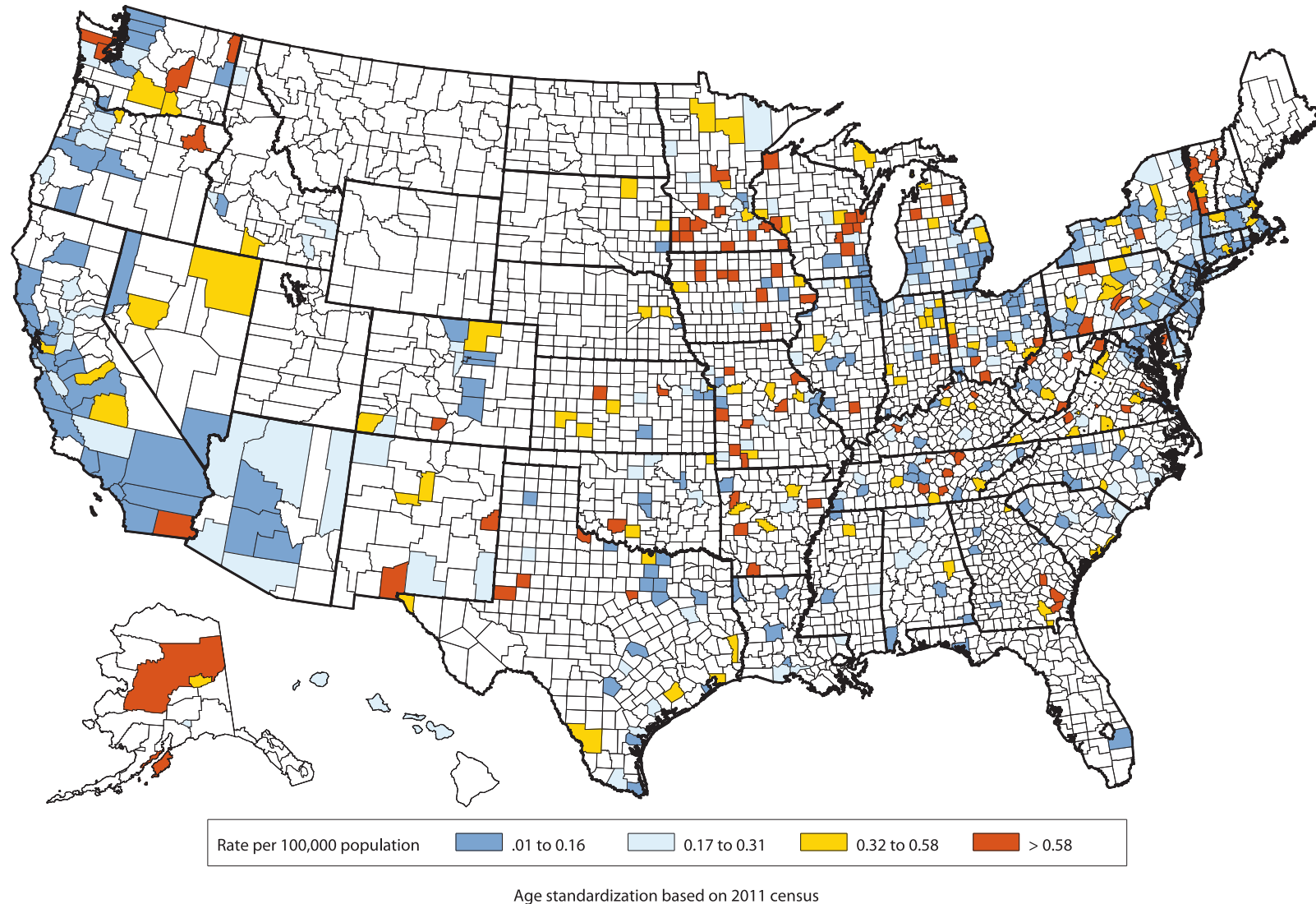
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

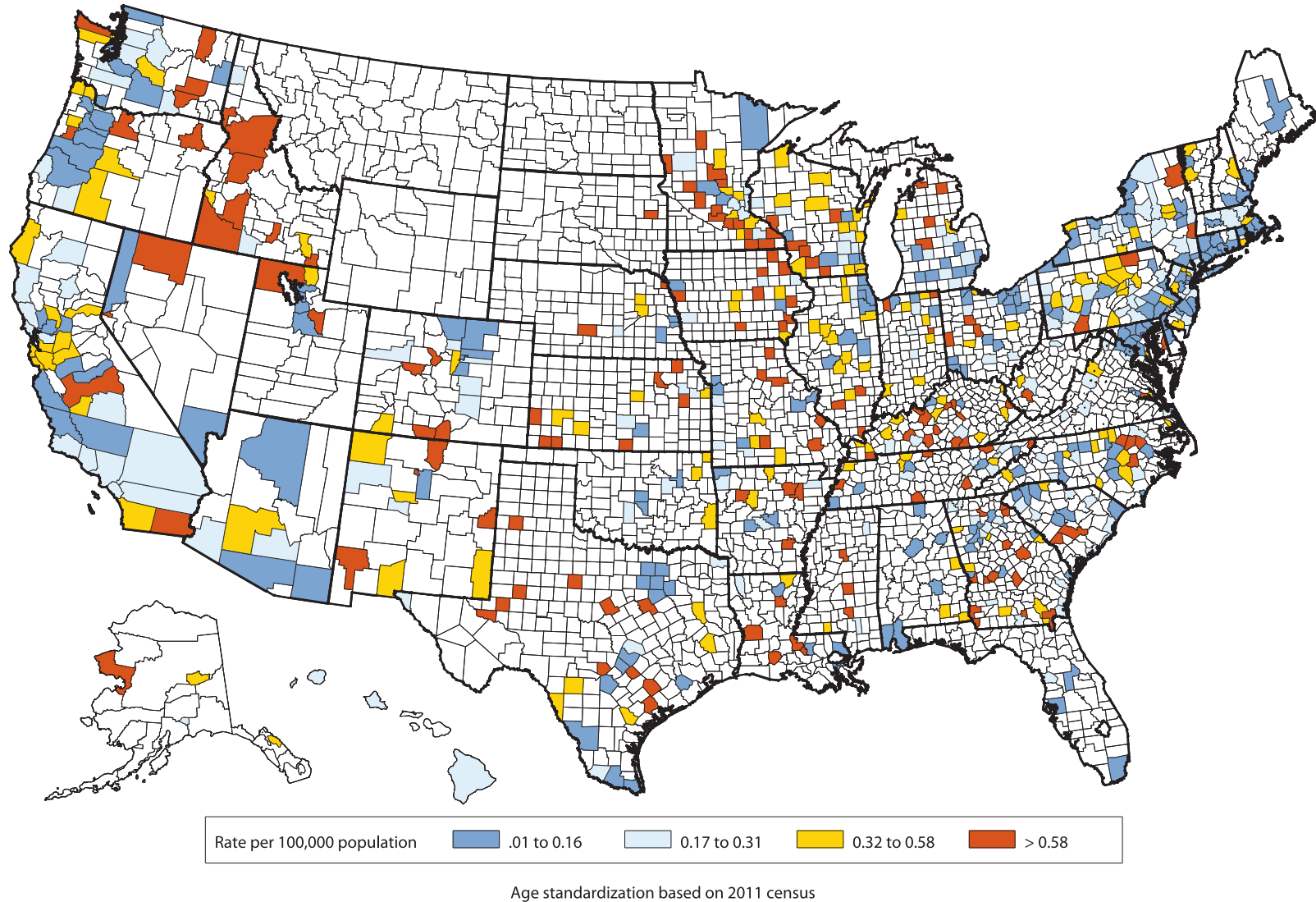
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Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Anatum

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

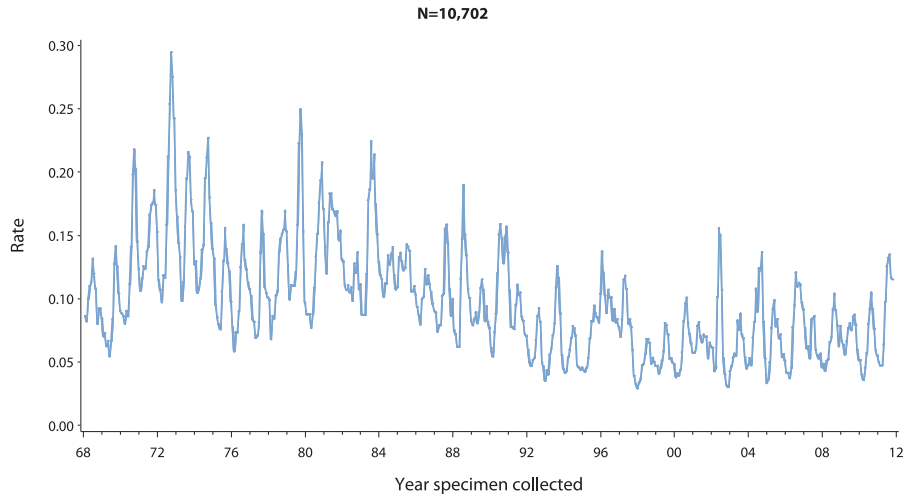


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

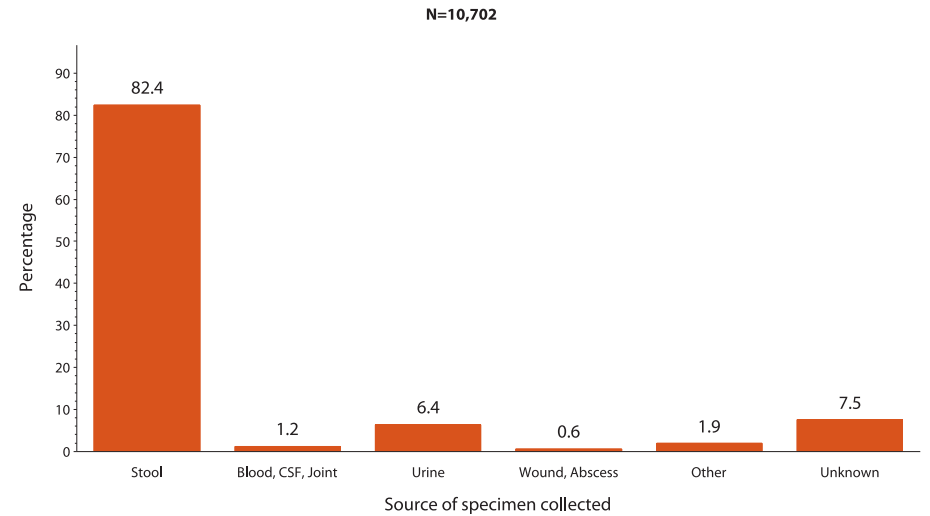


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

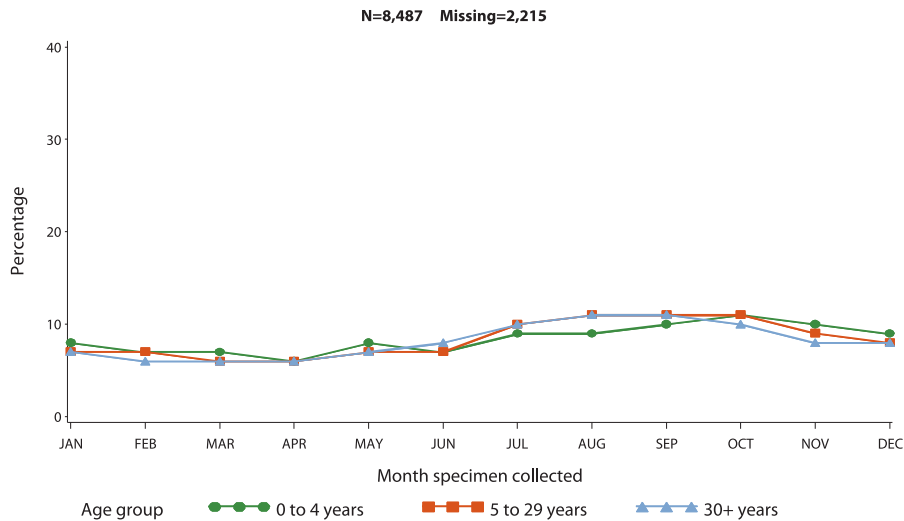
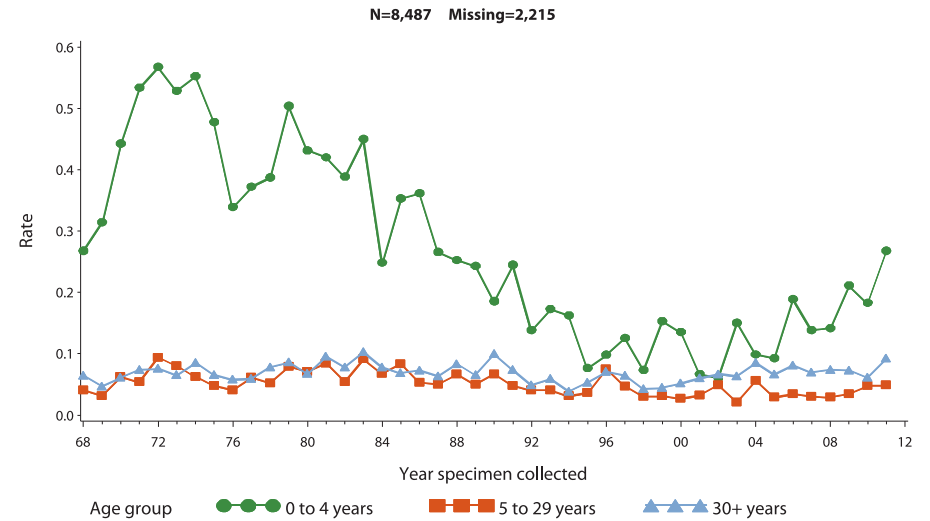


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Anatum

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=8,487 Missing=2,402

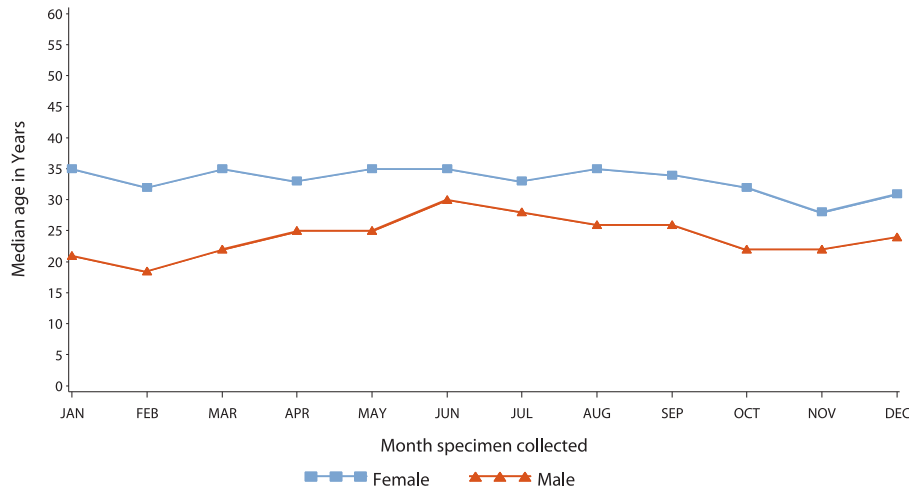


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=8,487 Missing=2,402

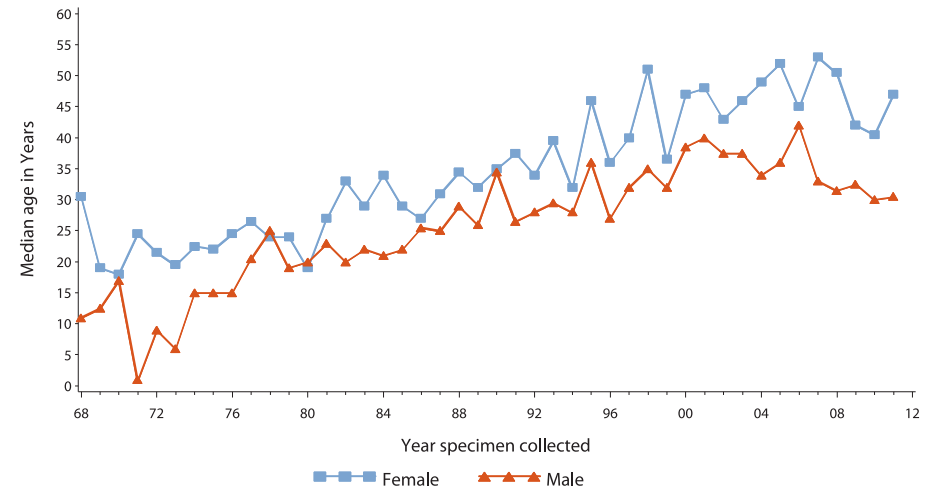


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=8,487 Missing=2,402

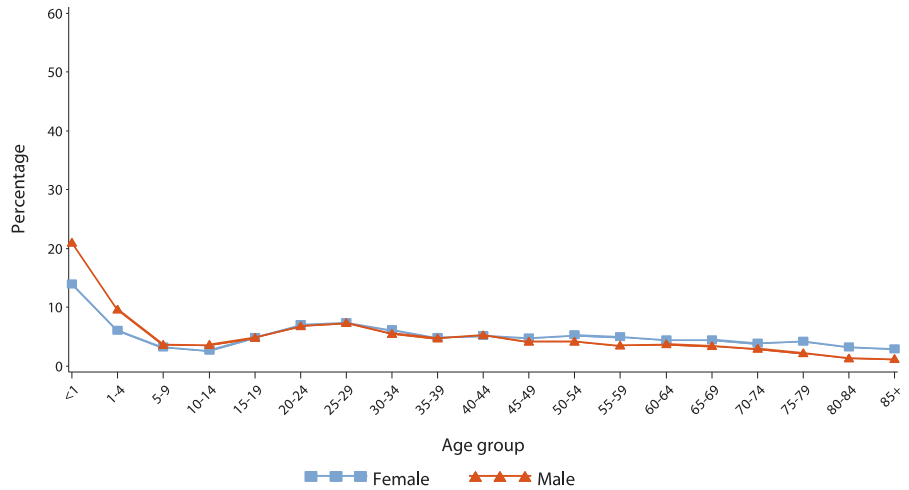


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=16,227

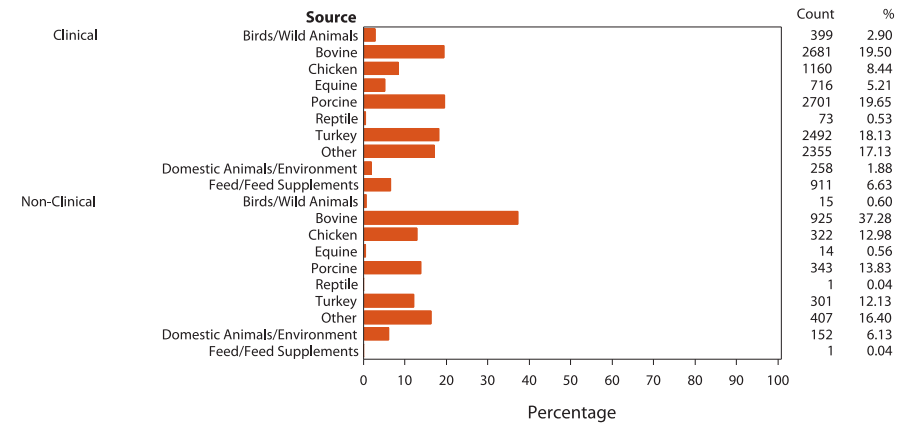
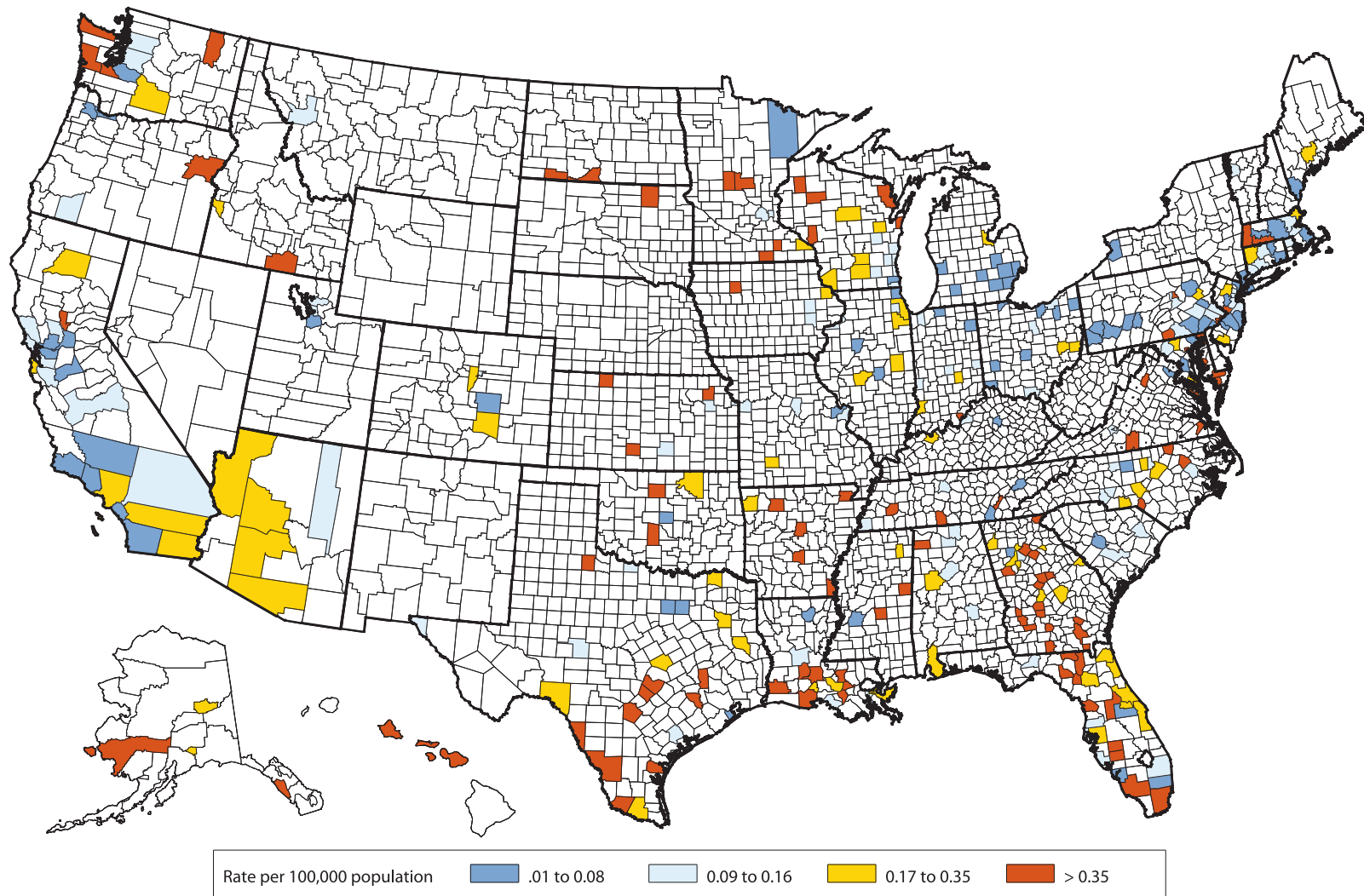


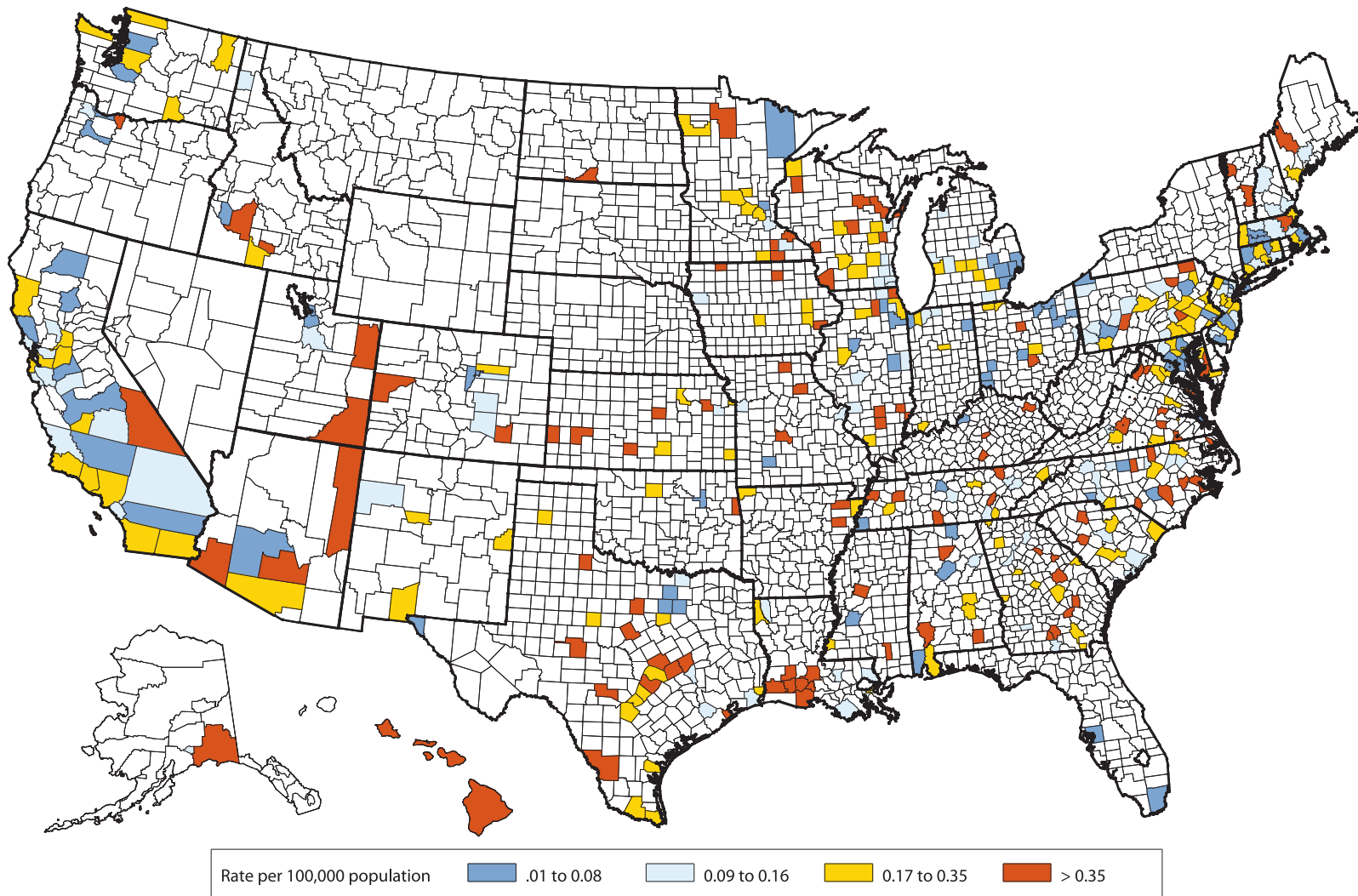
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

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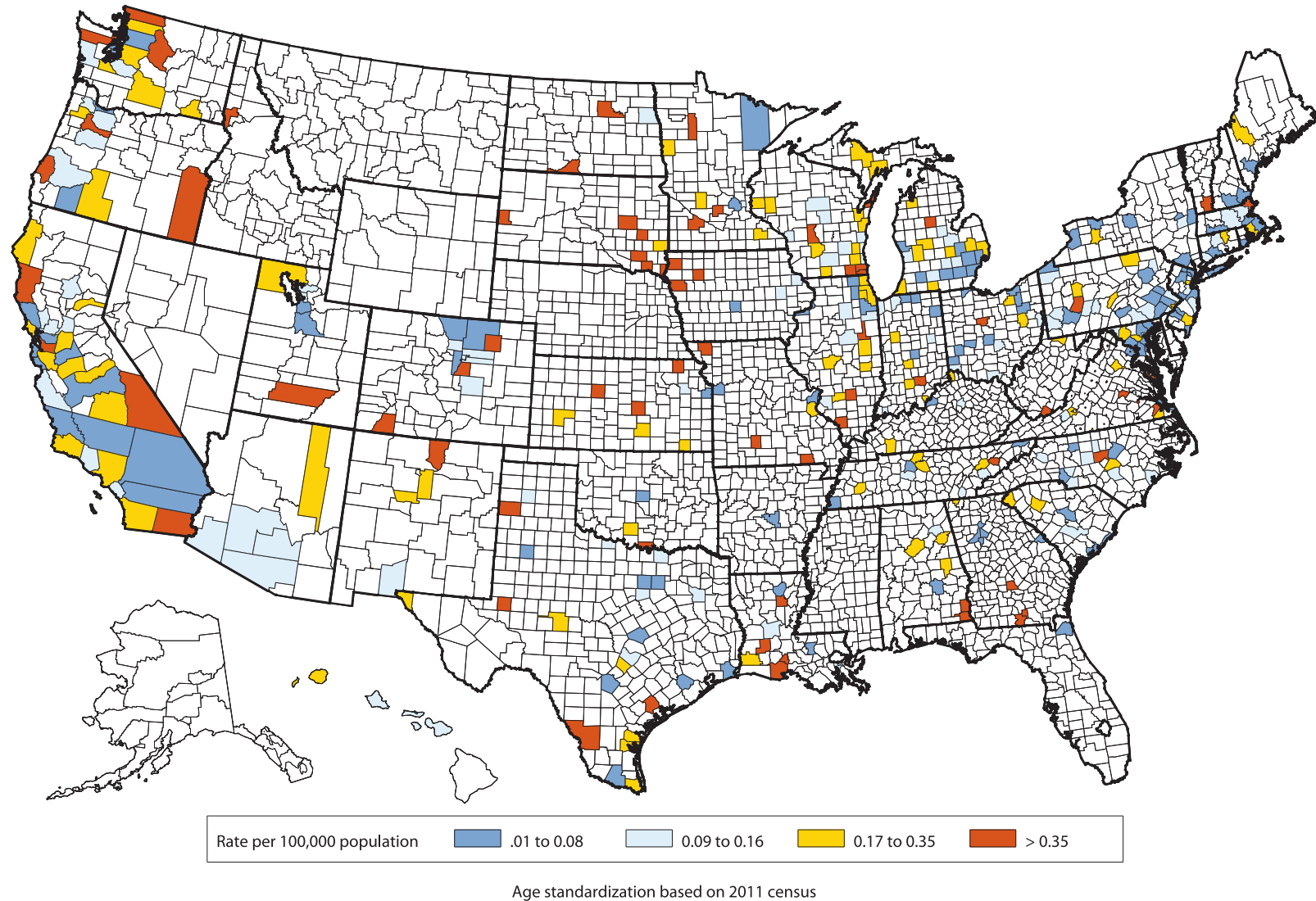
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

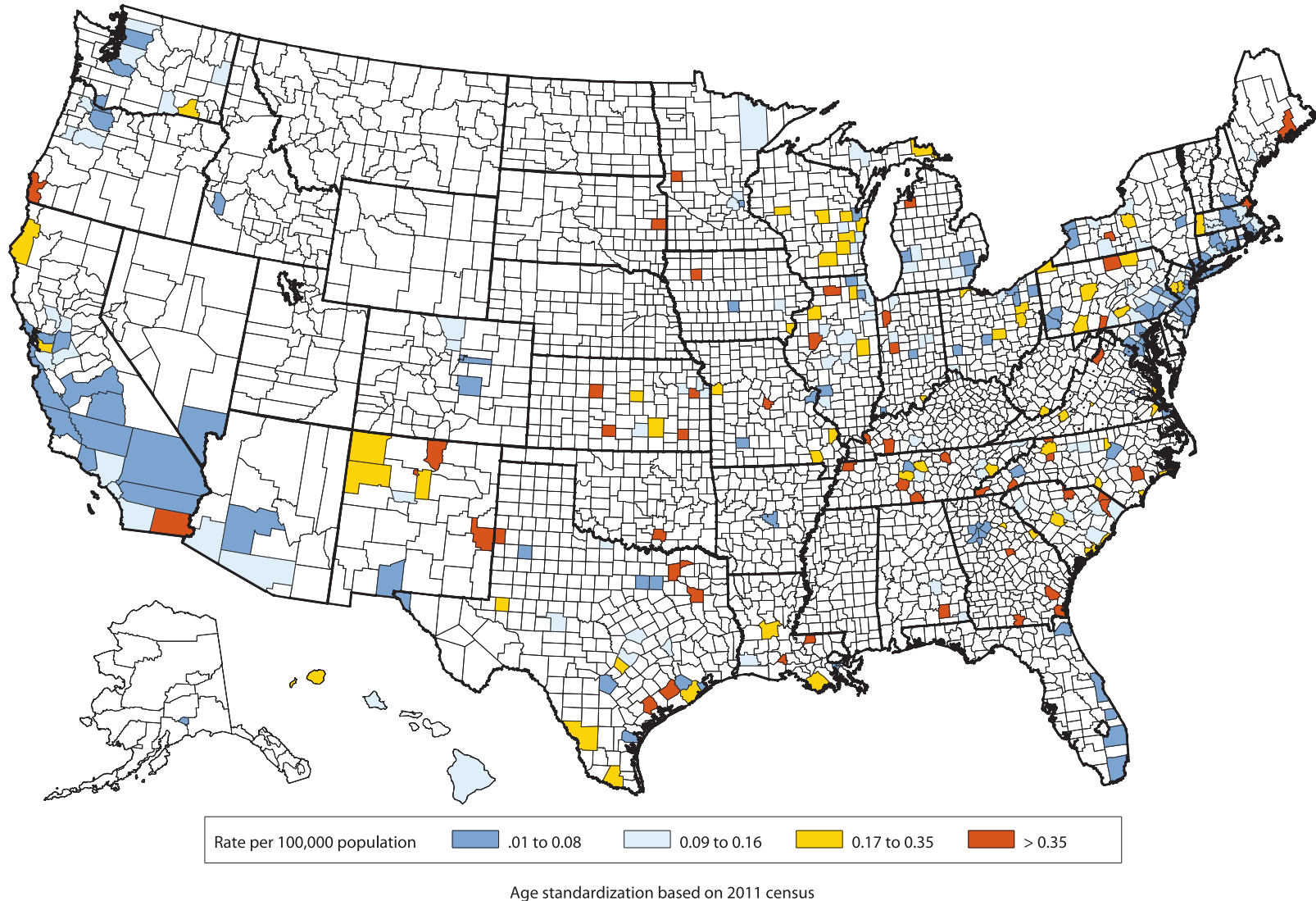
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Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



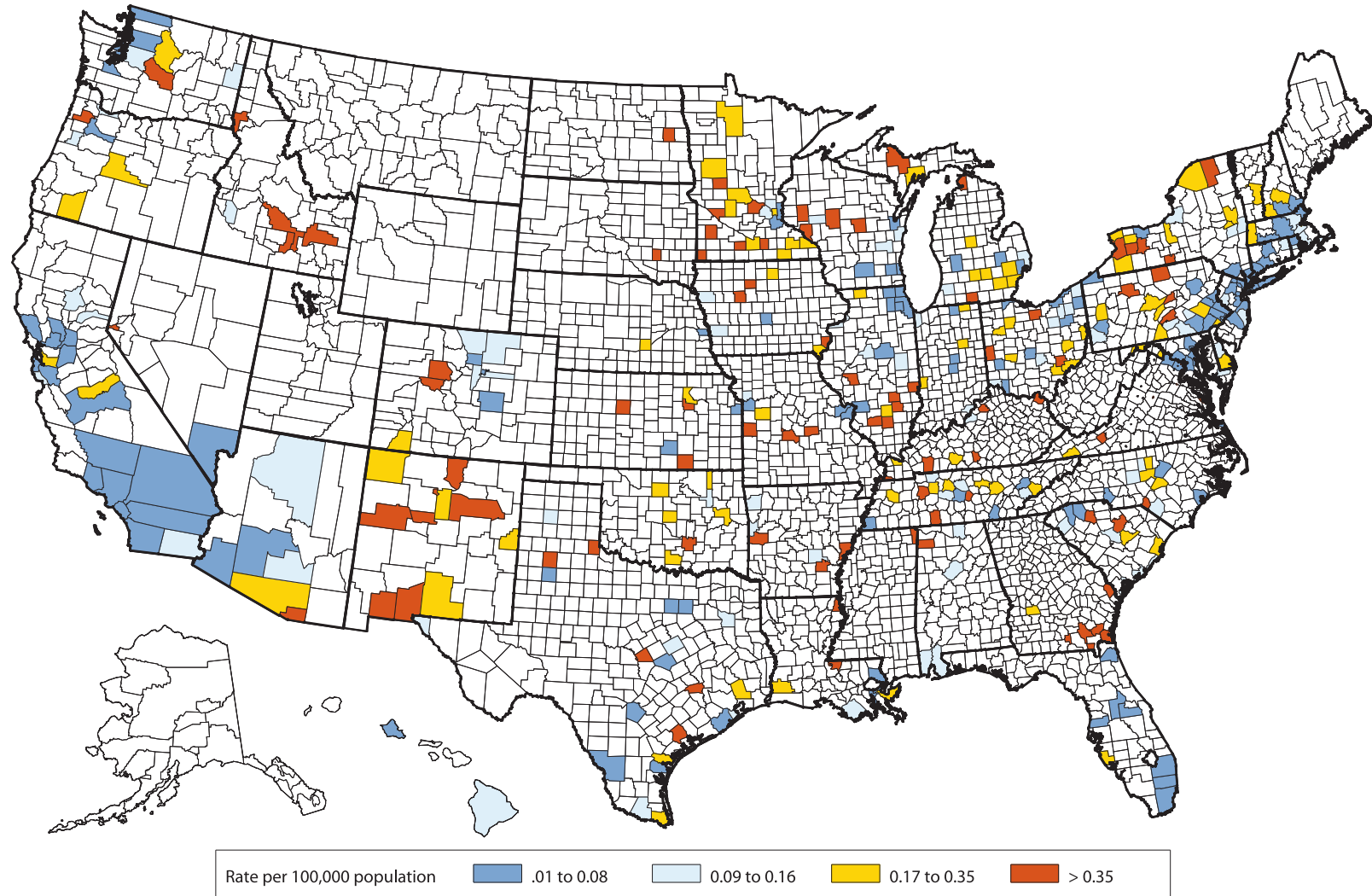
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

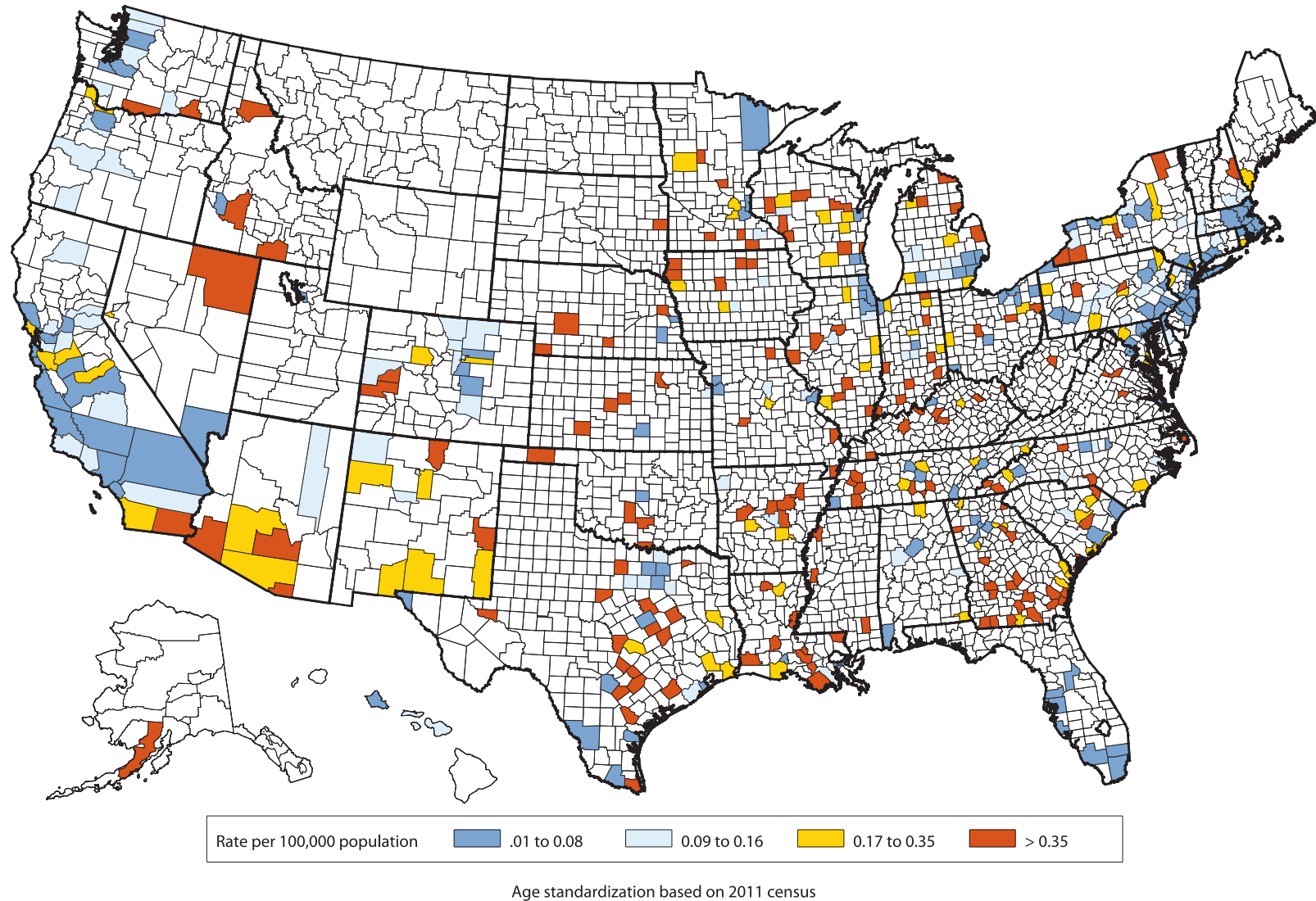
Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Berta

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

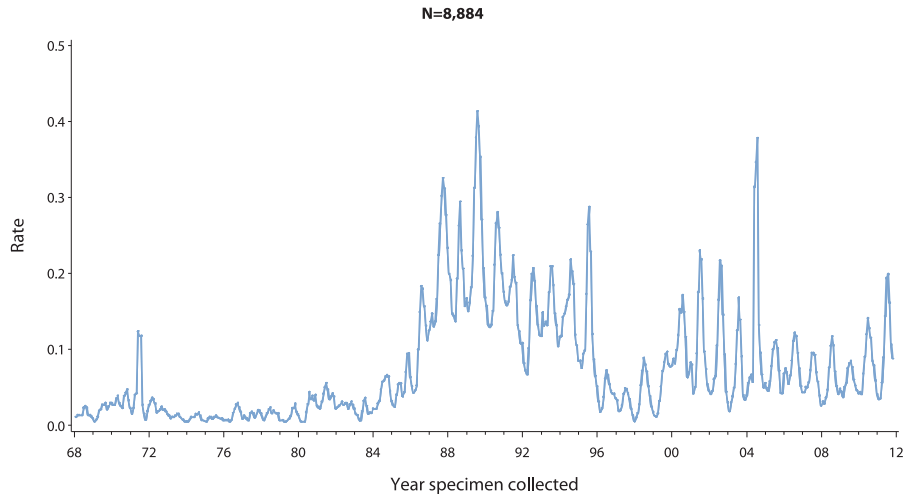


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

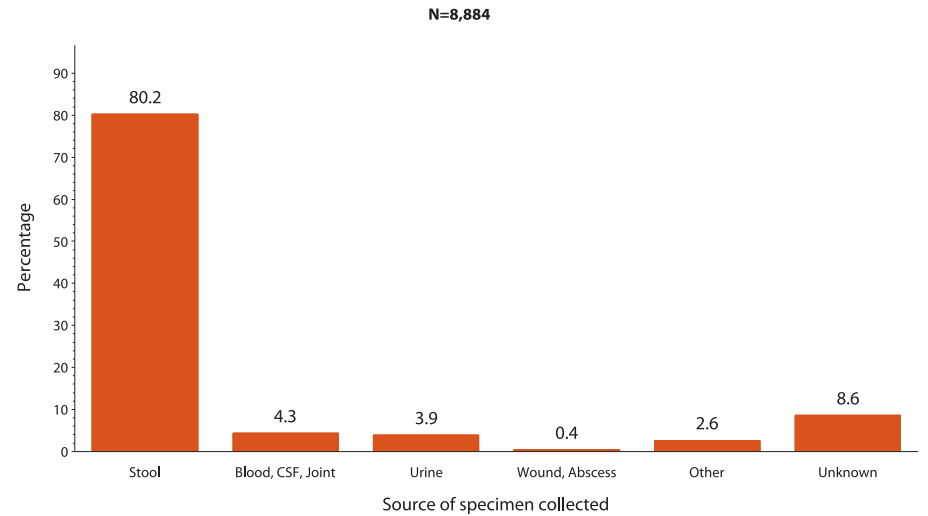


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

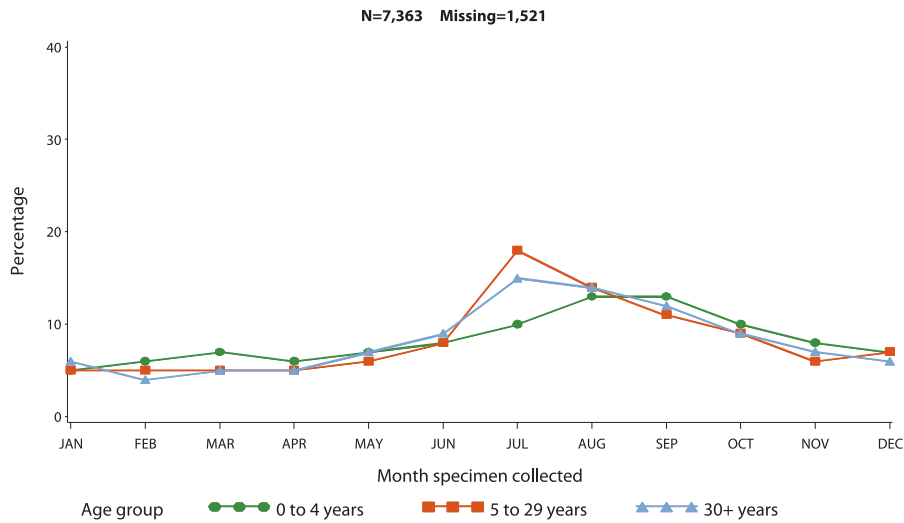
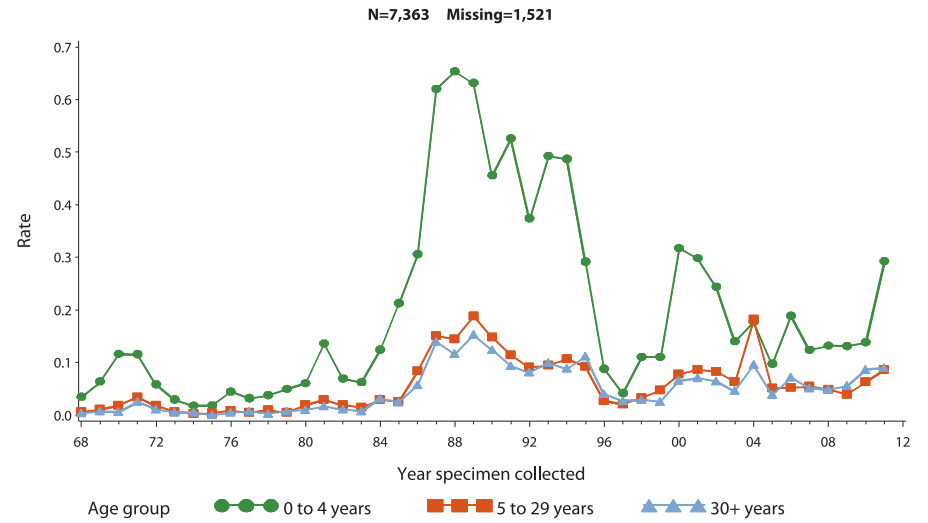


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Berta

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=7,363 Missing=1,719

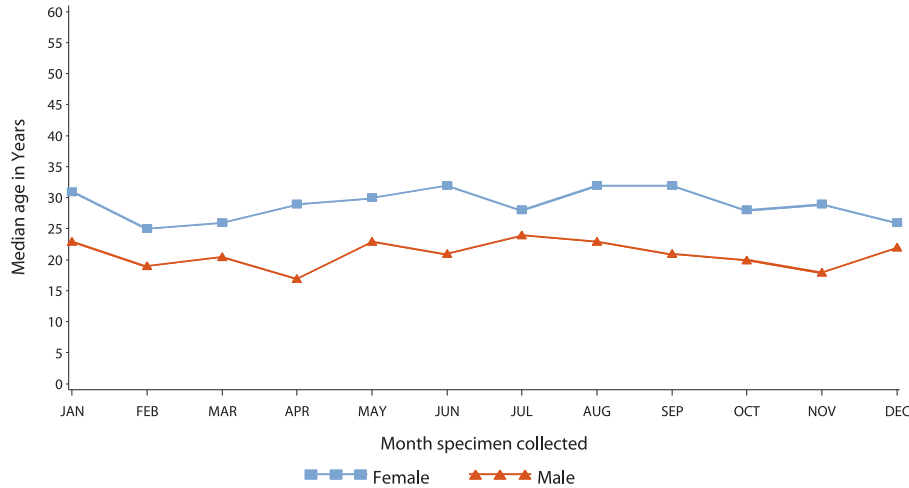


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=7,363 Missing=1,719

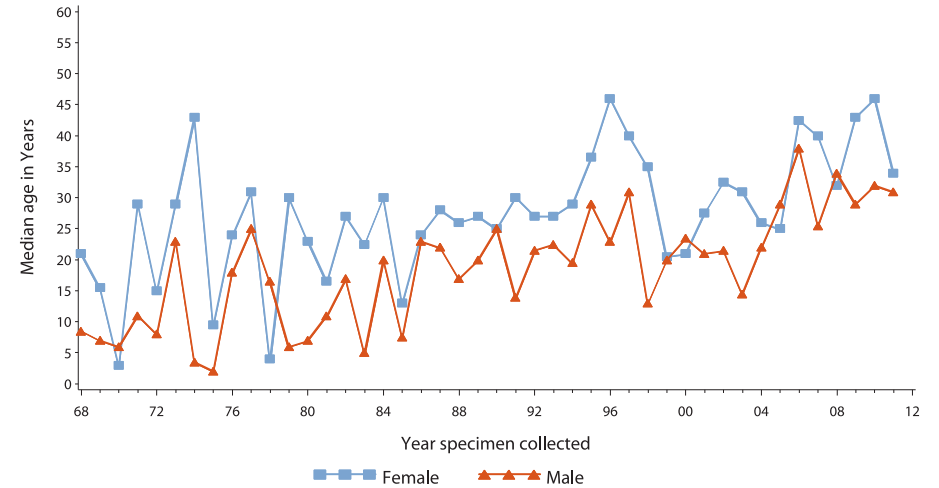


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=7,363 Missing=1,719

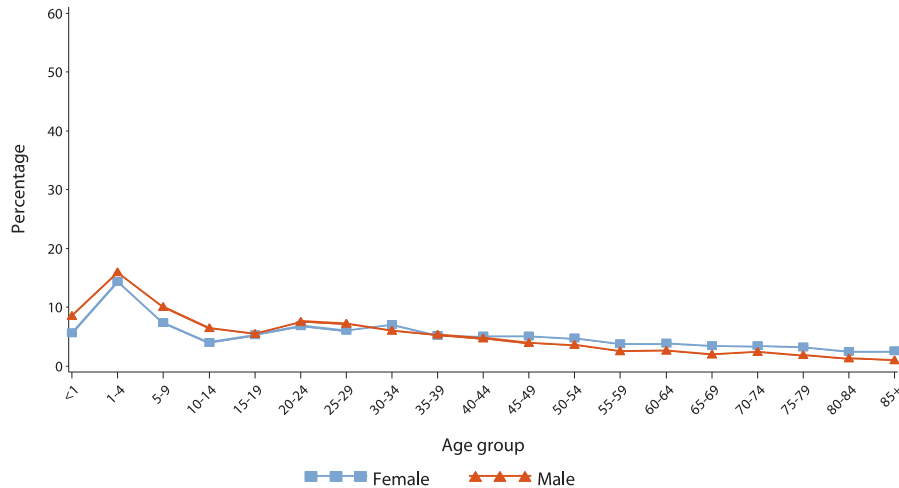


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=2,551

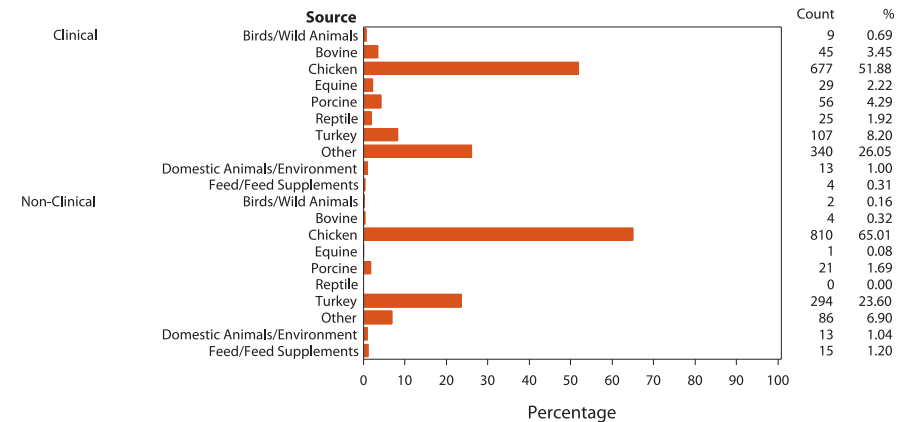
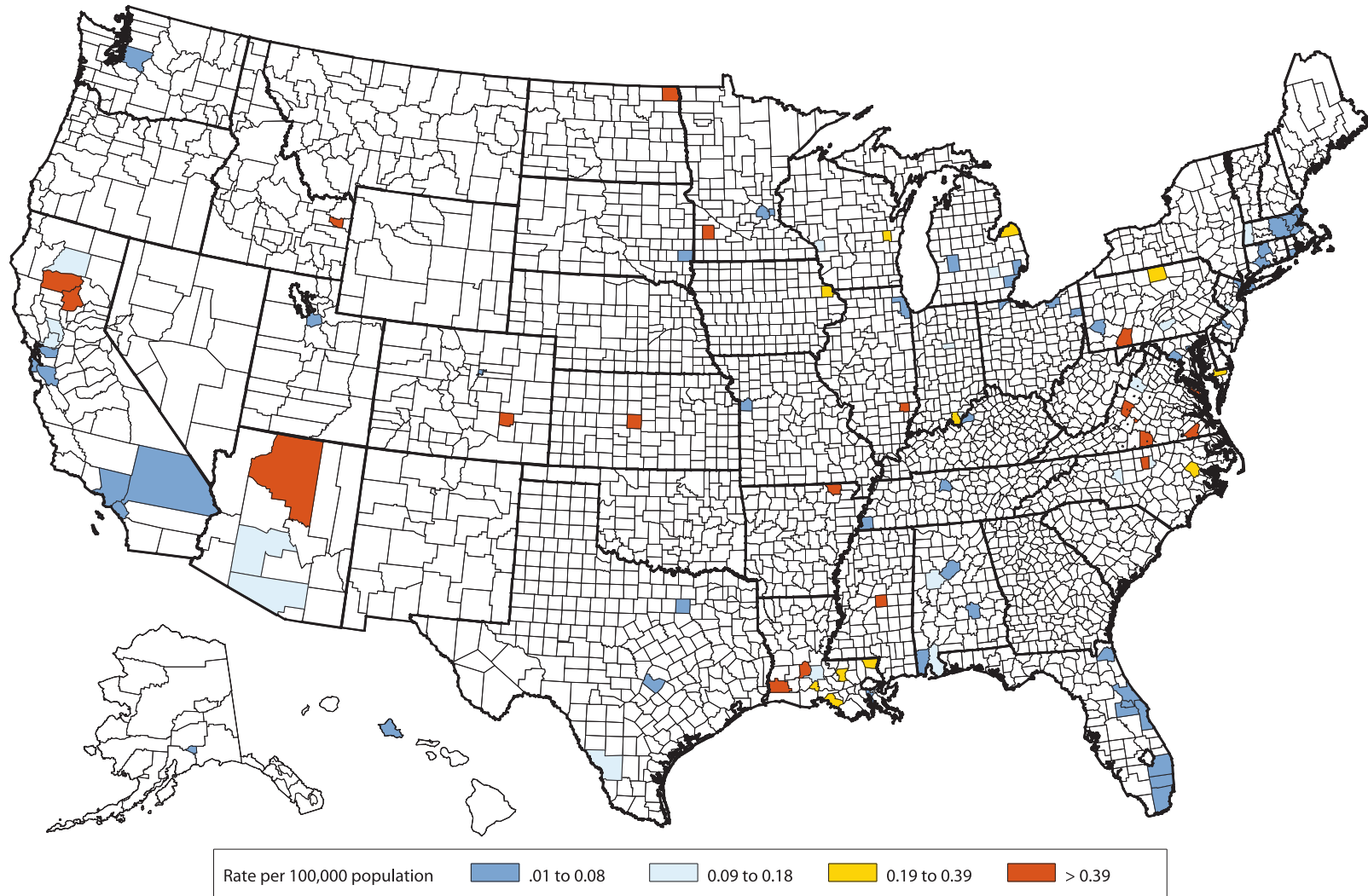


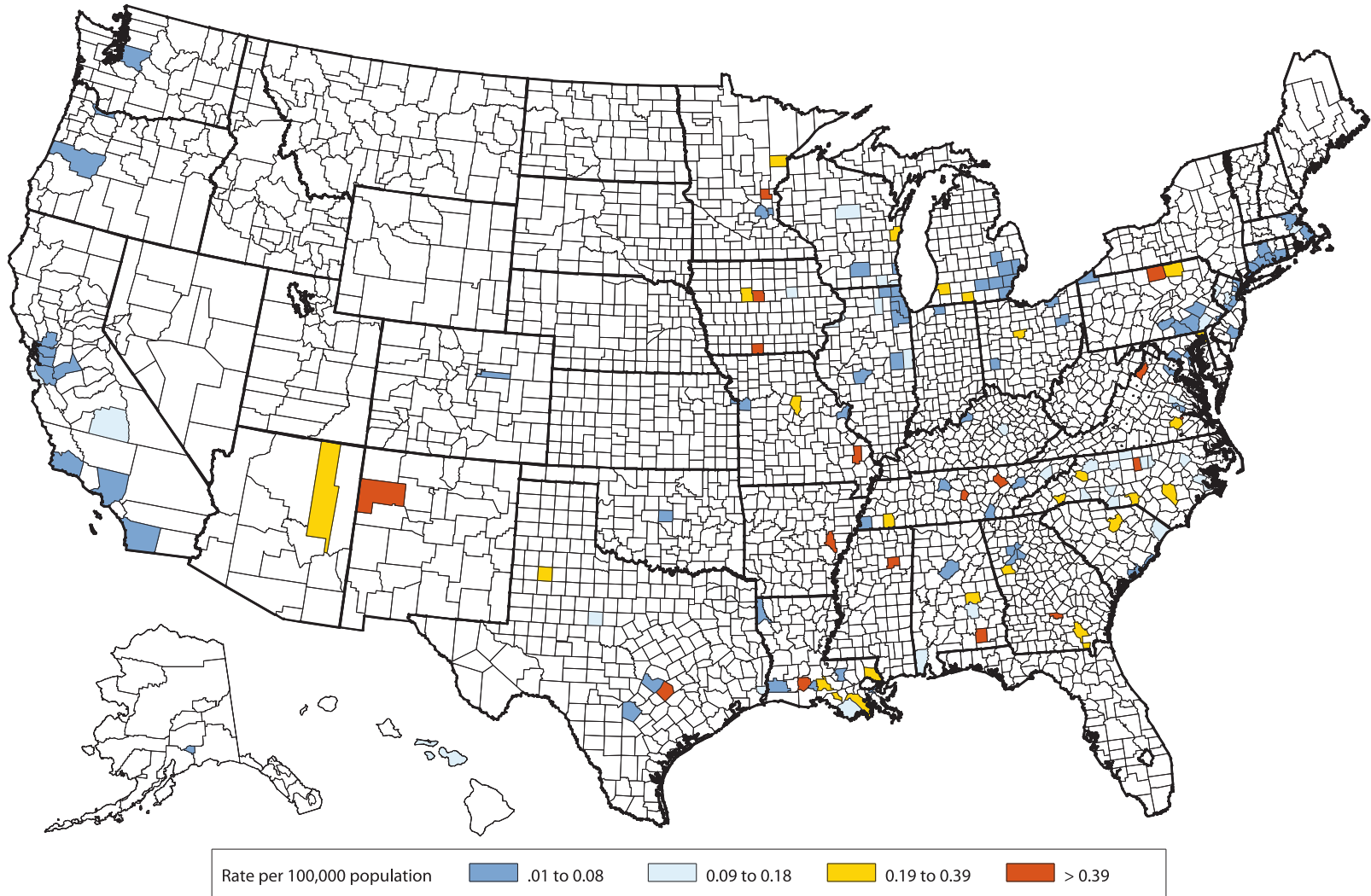
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

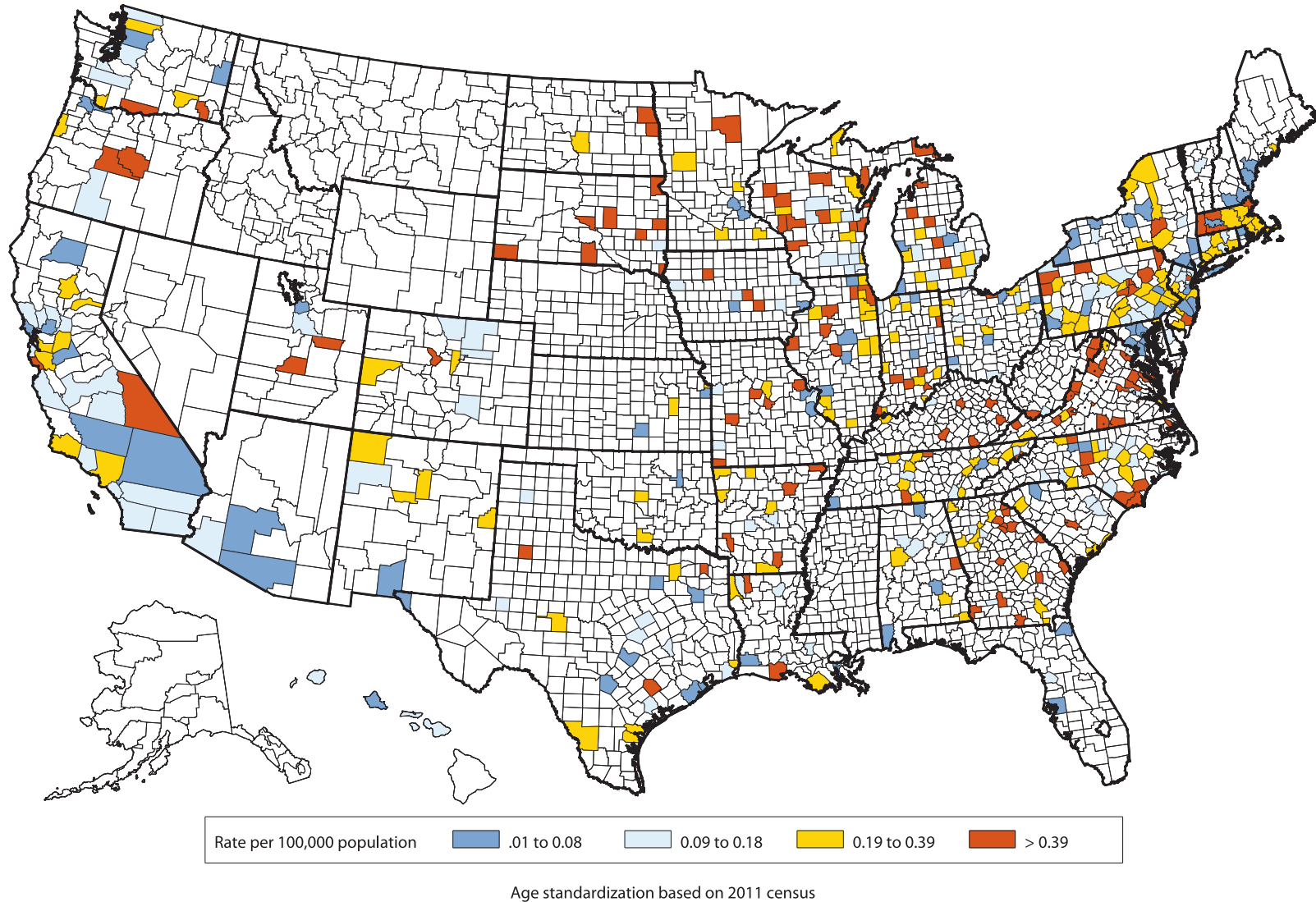
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

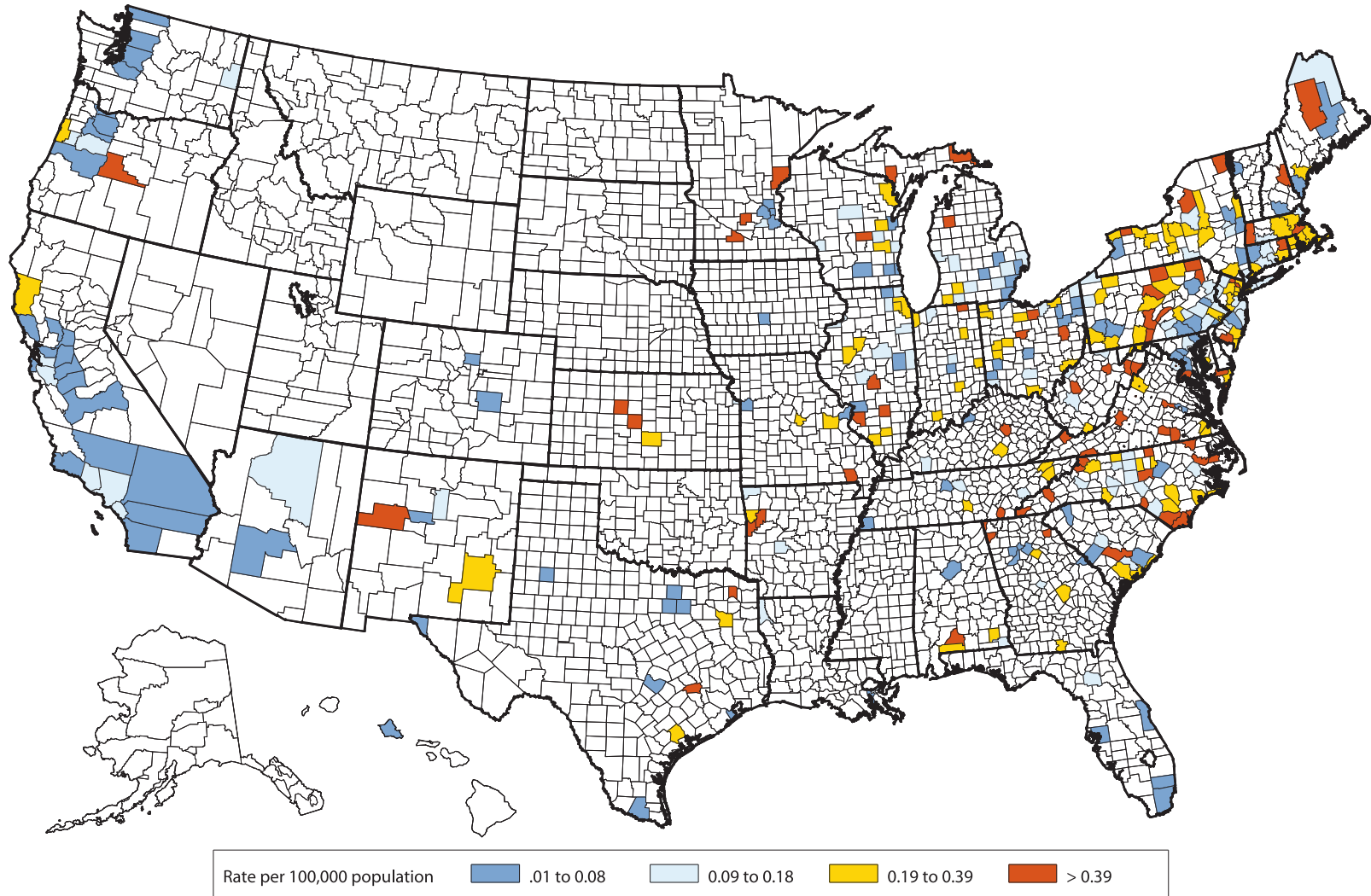
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

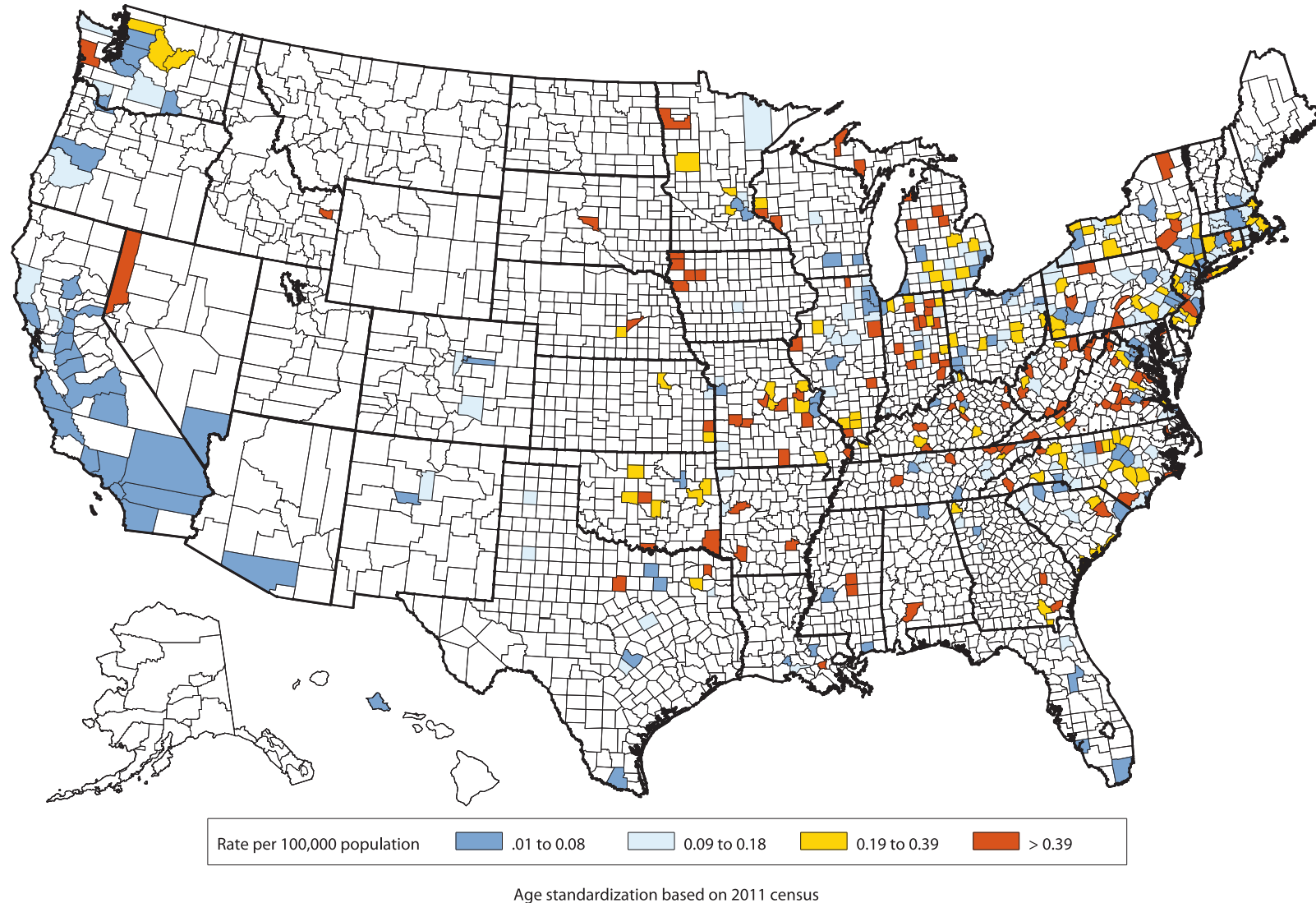
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

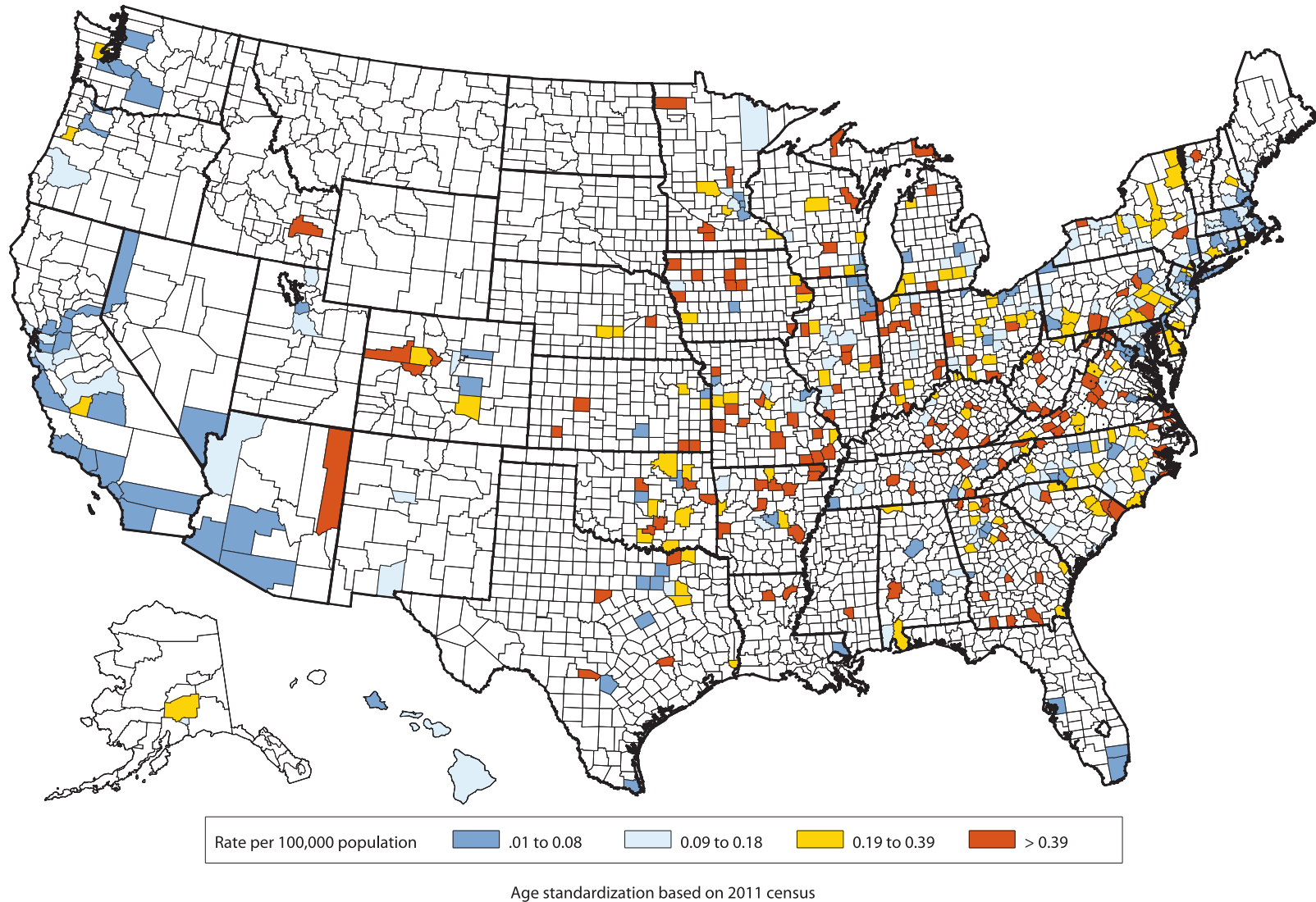
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Blockley

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

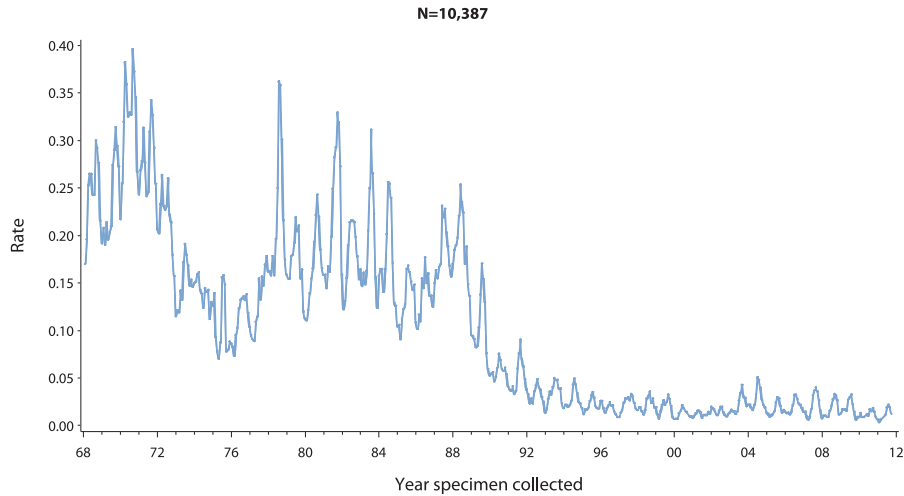


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

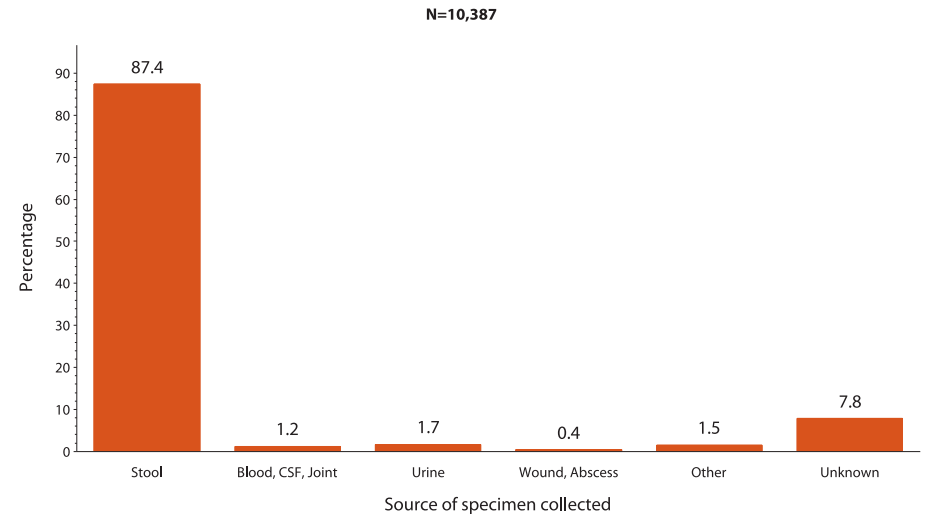


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

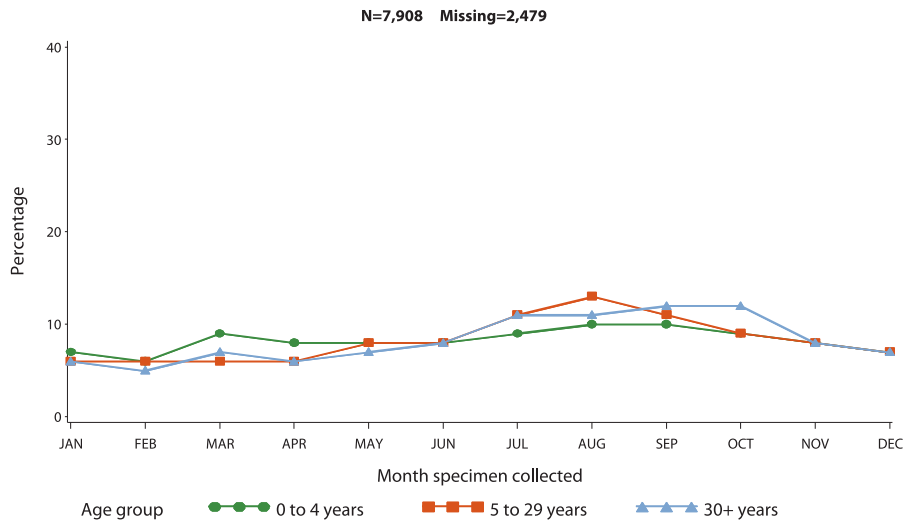
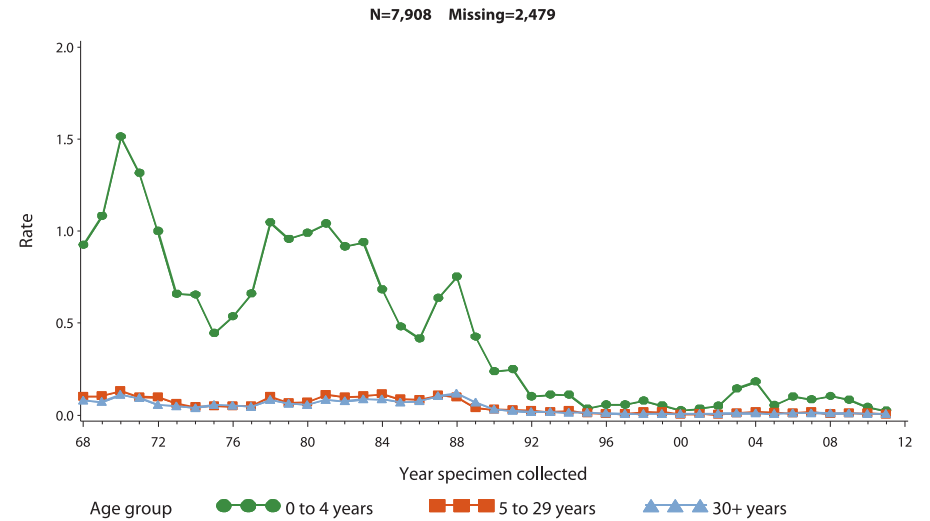


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Blockley

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=7,908 Missing=2,568

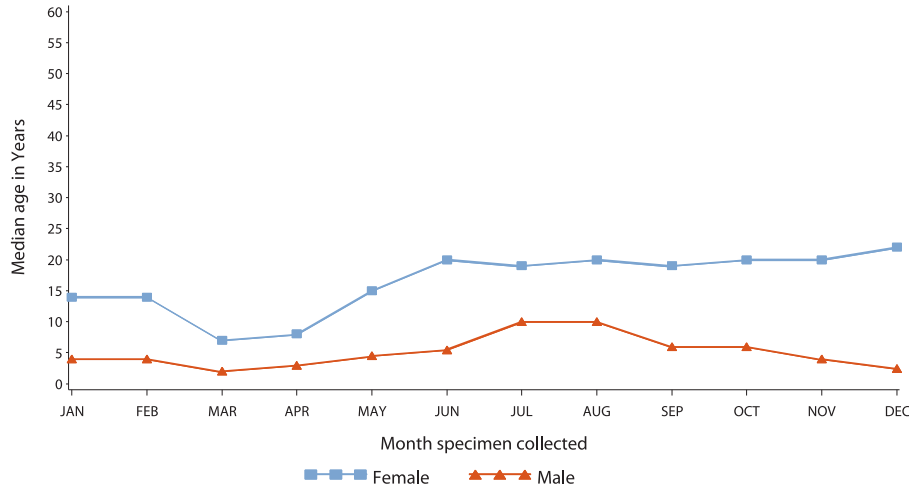


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=7,908 Missing=2,568

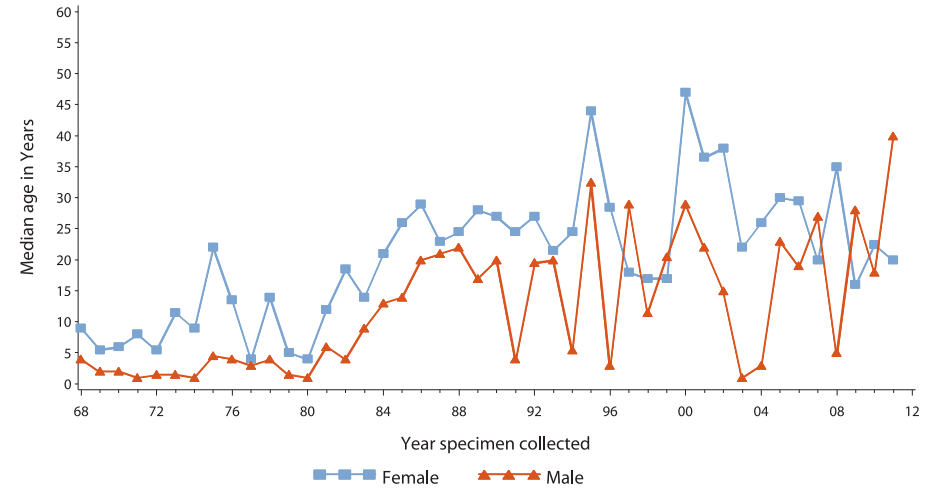


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=7,908 Missing=2,568

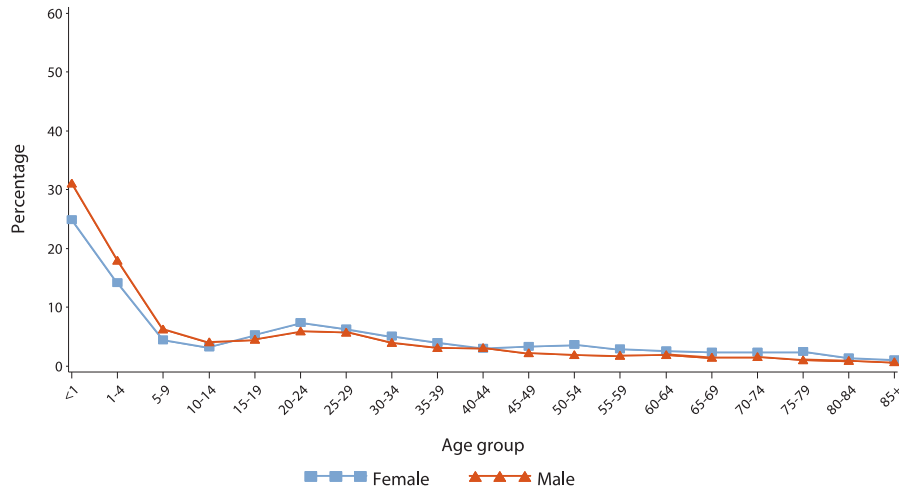


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=1,966

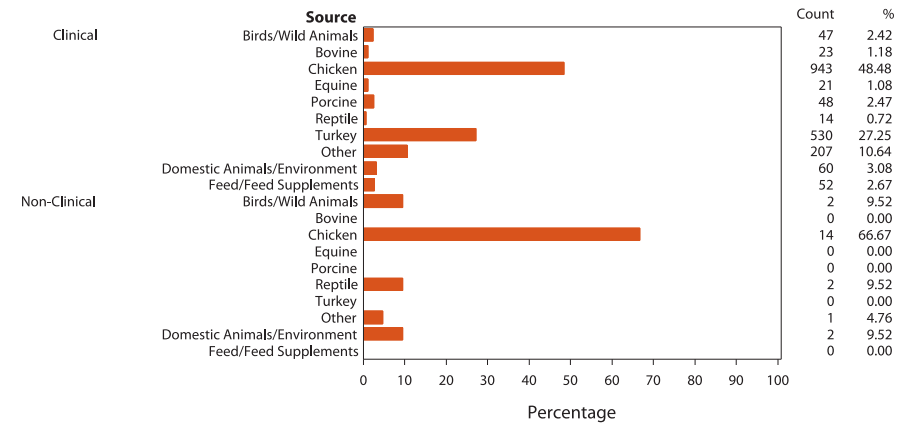
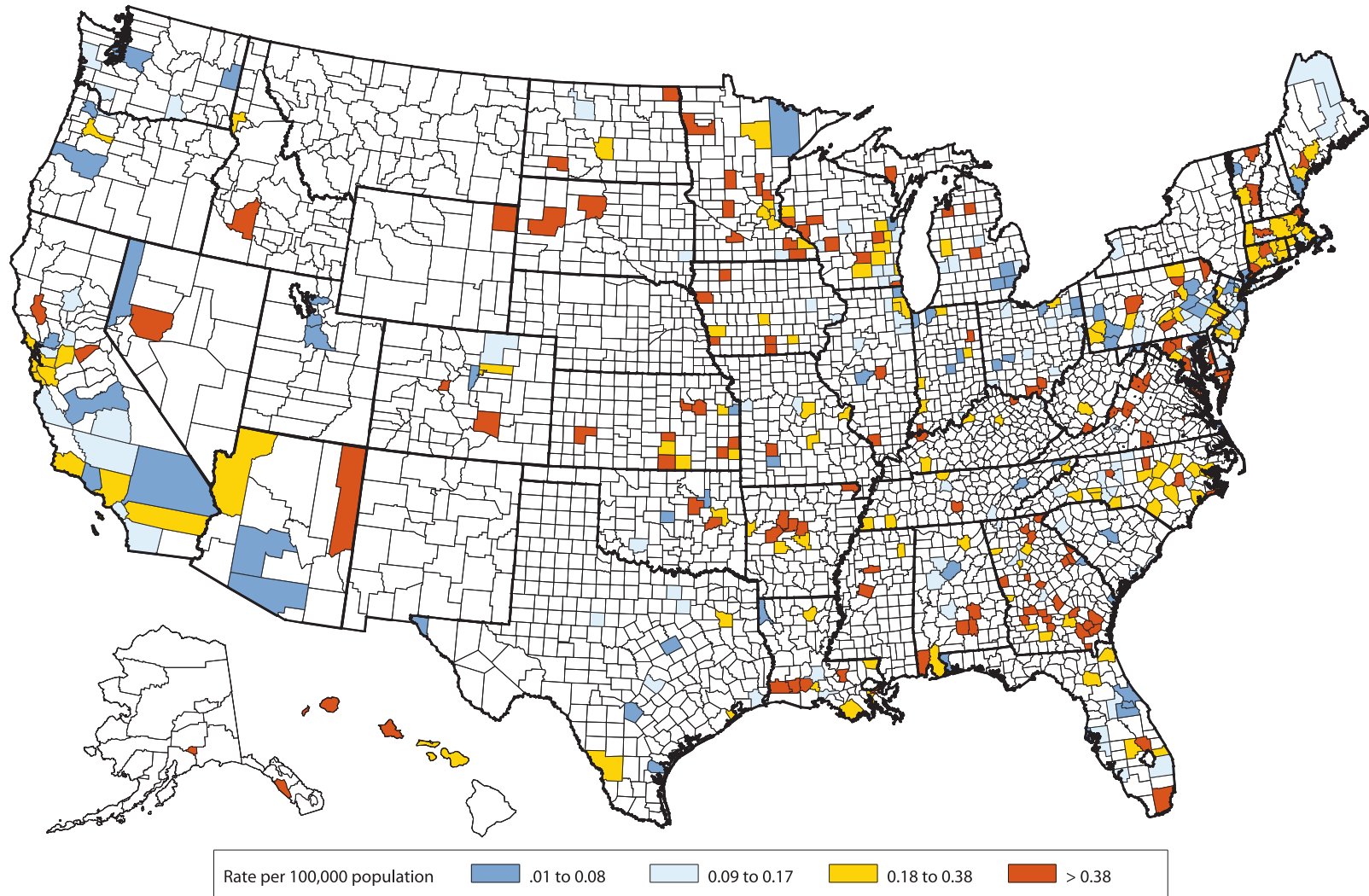


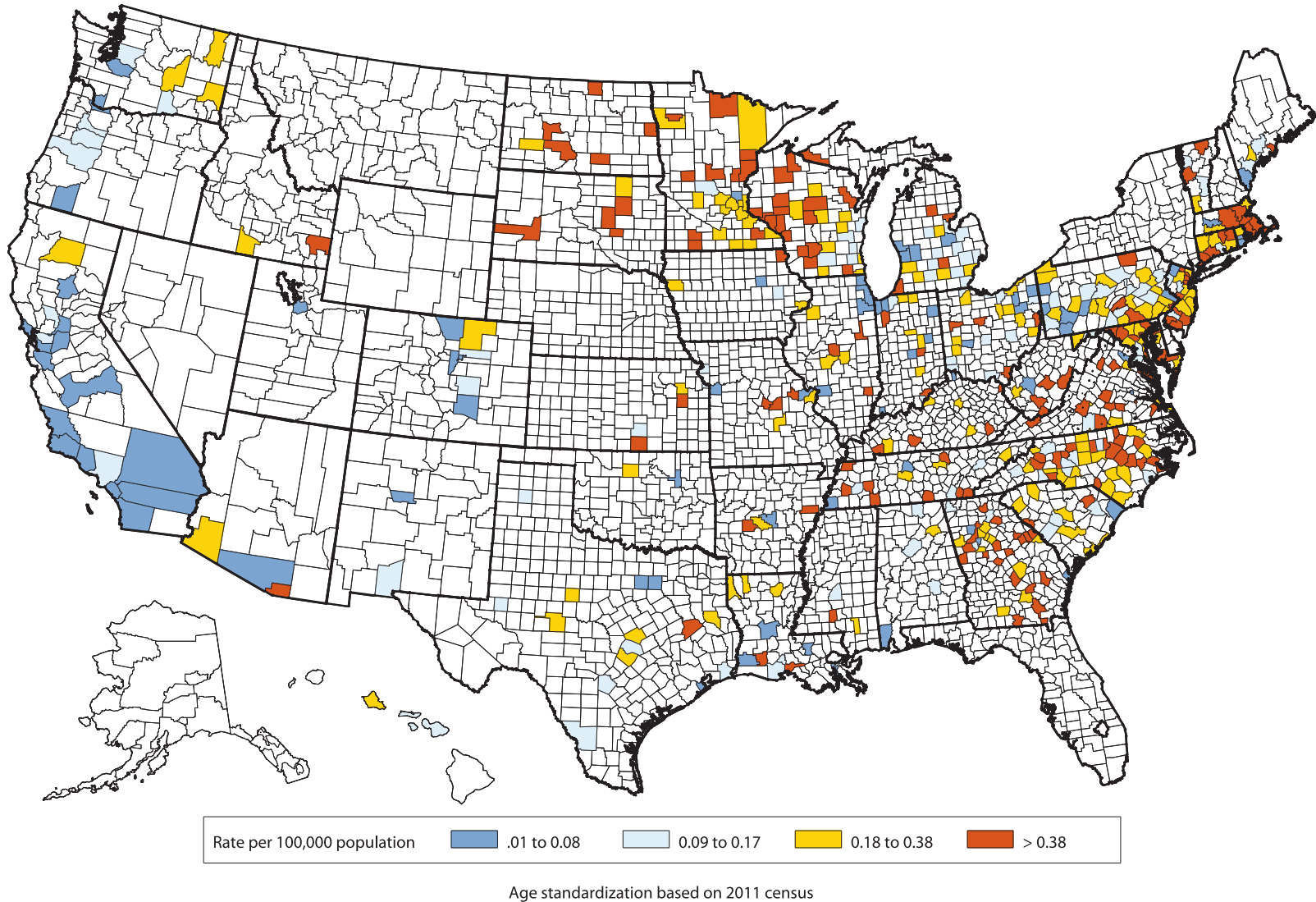
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

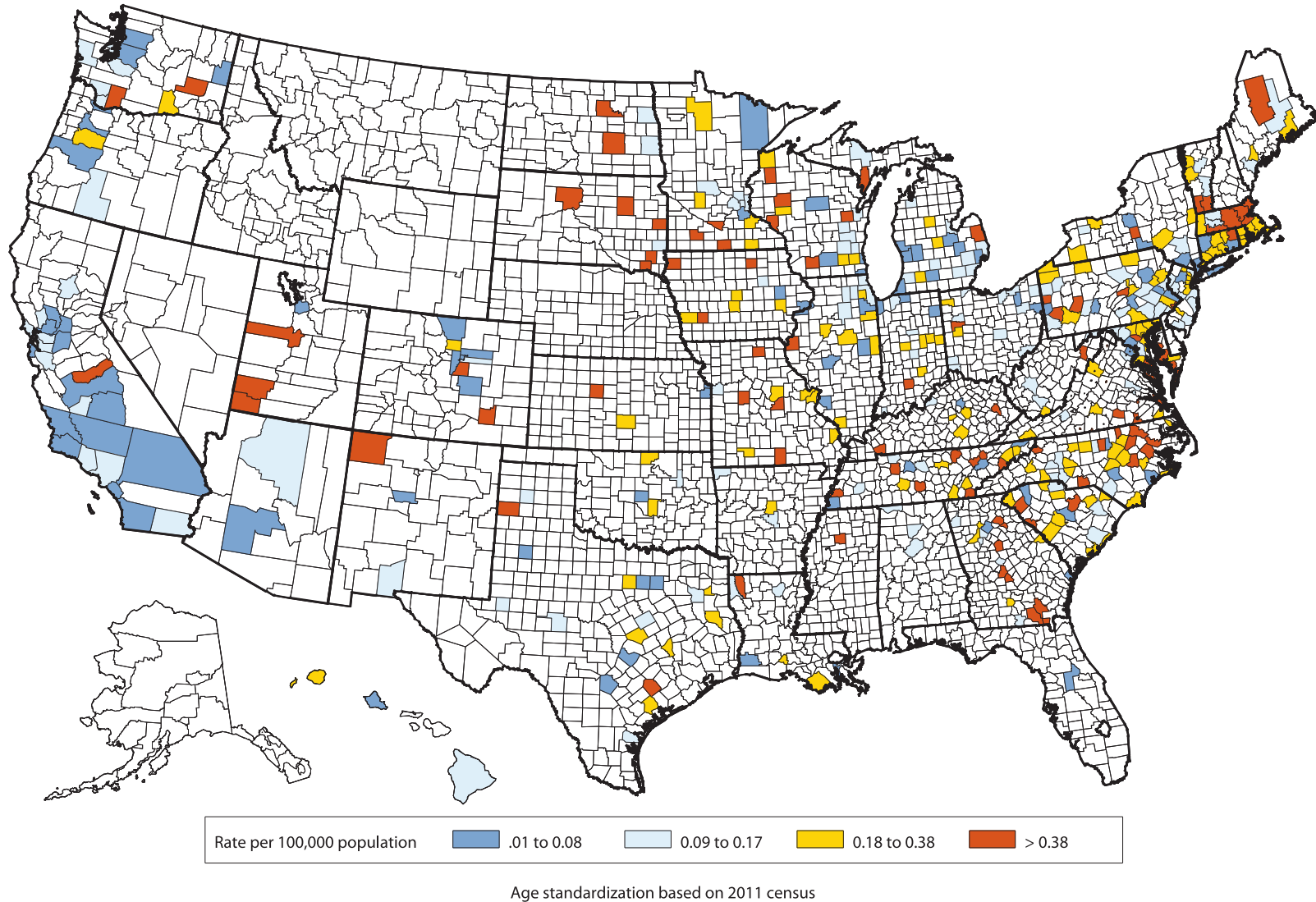
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



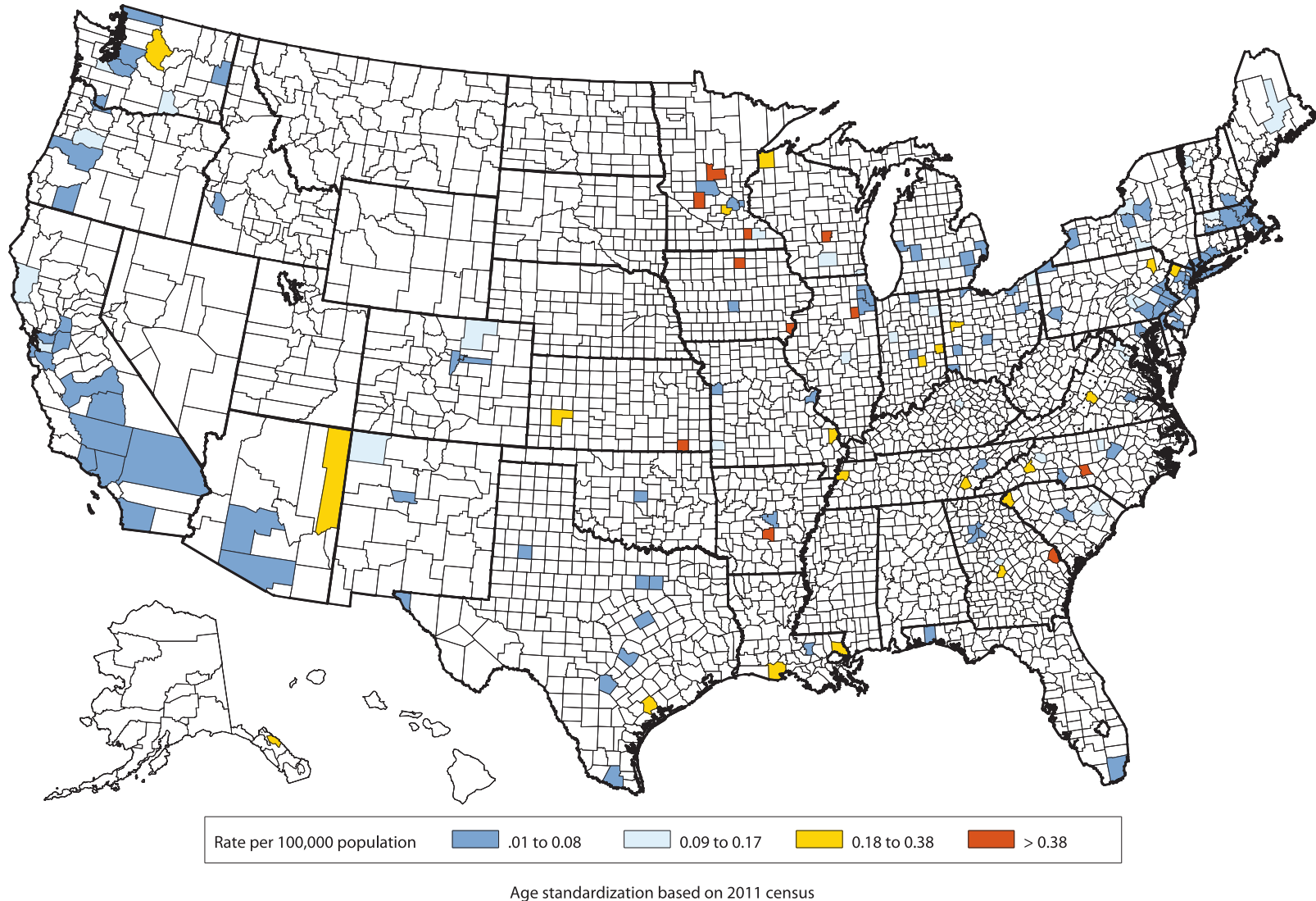
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



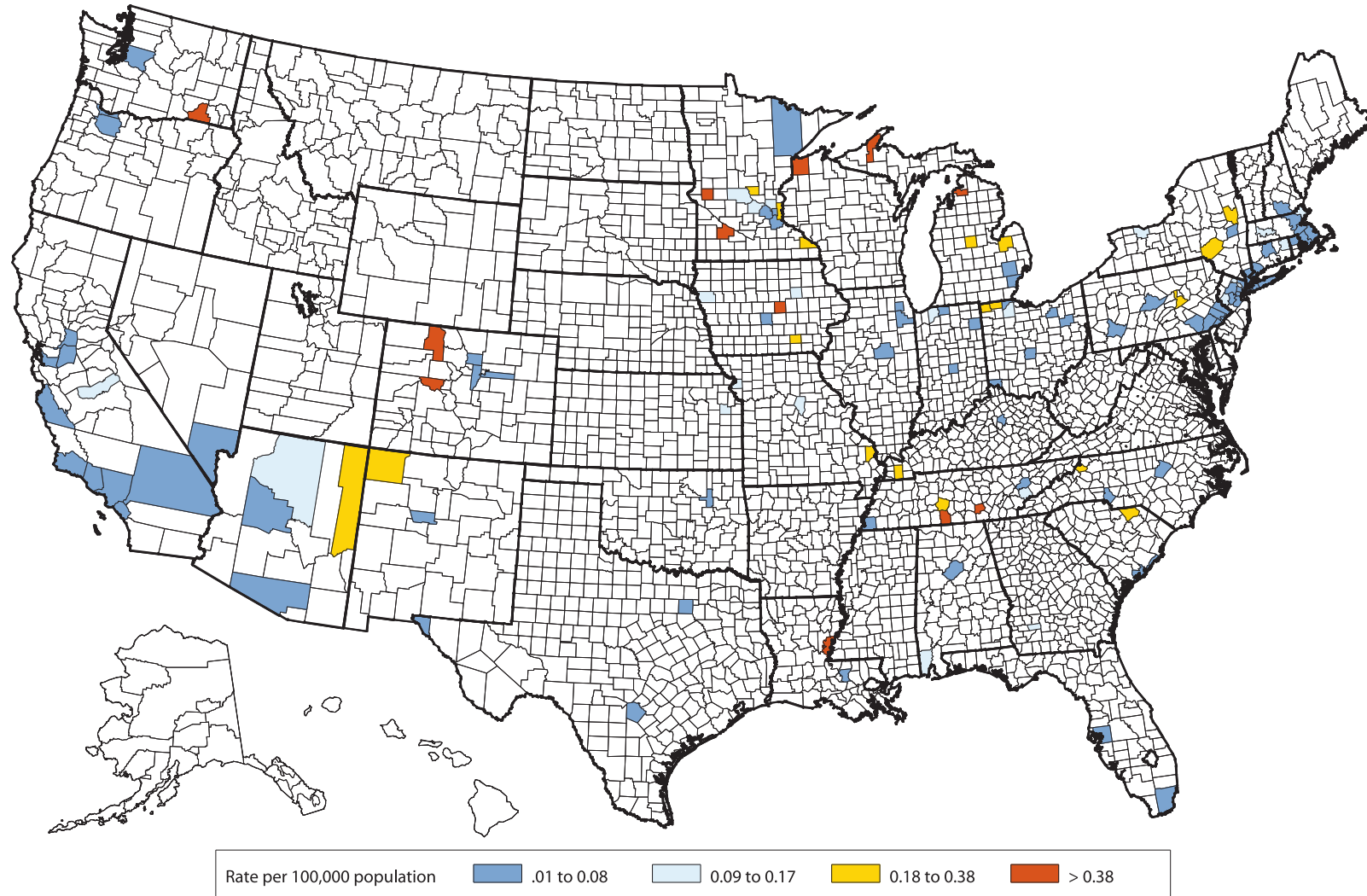
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



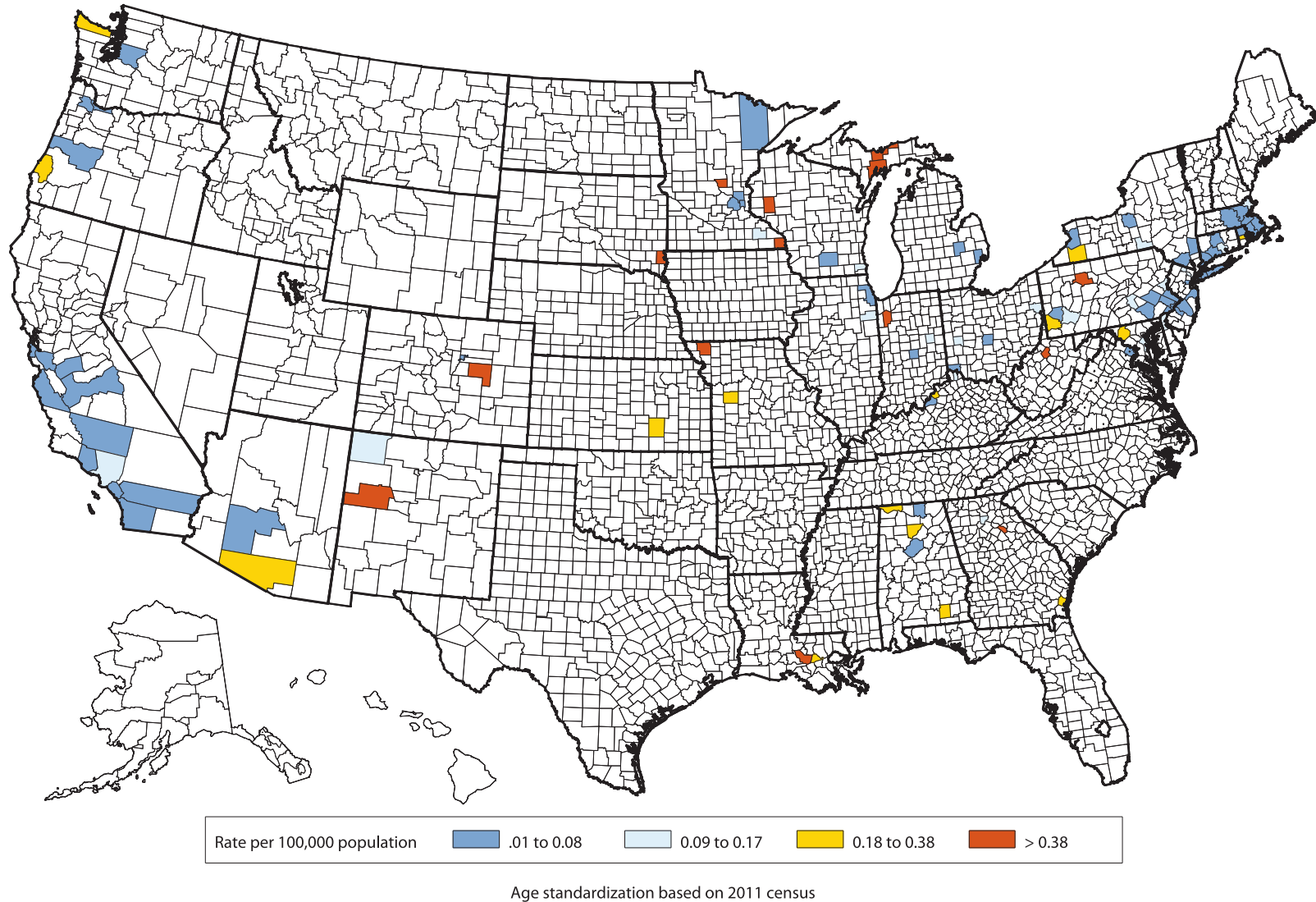
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Braenderup

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

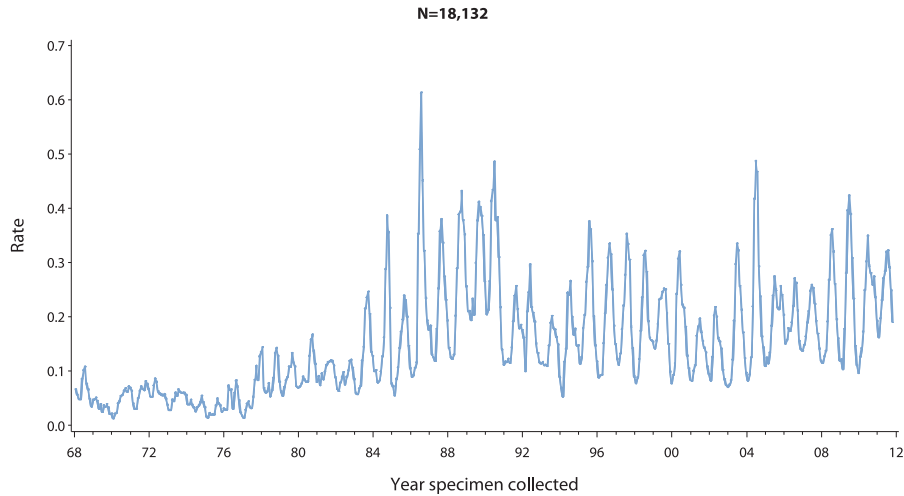


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

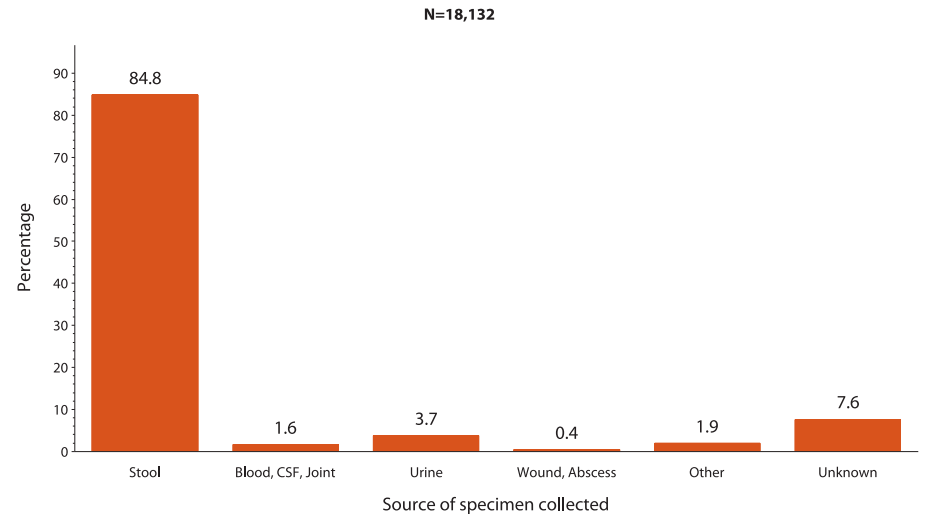


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

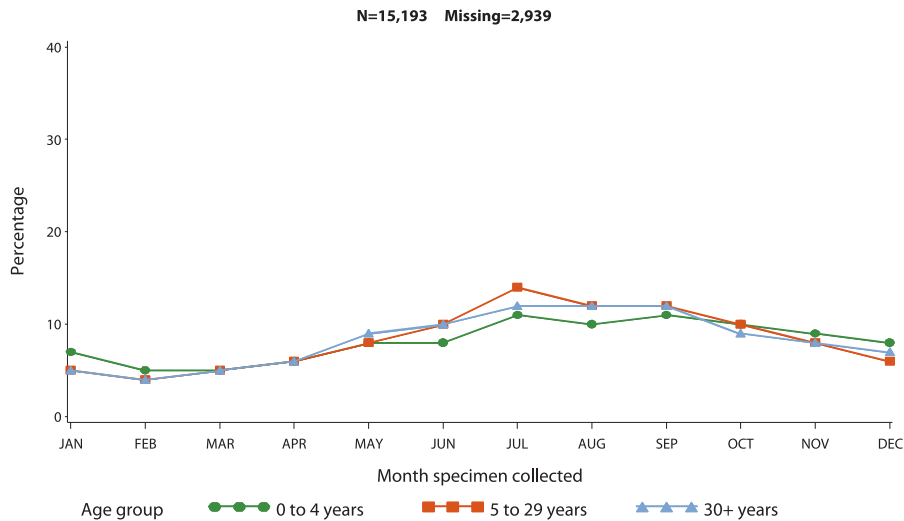
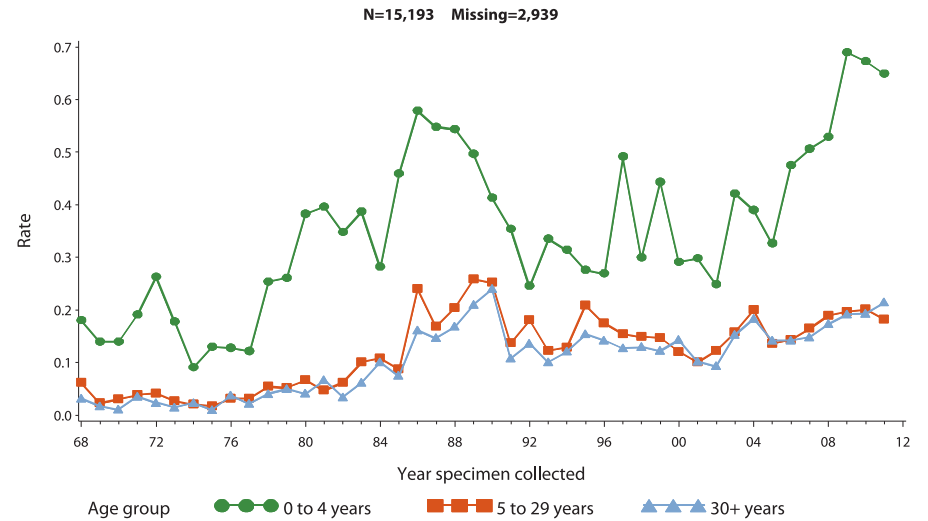


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Braenderup

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=15,193 Missing=3,447

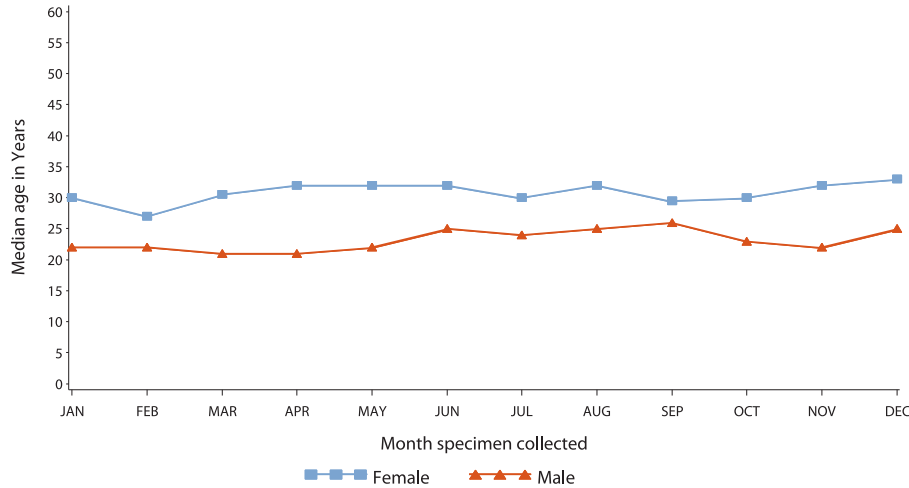


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=15,193 Missing=3,447

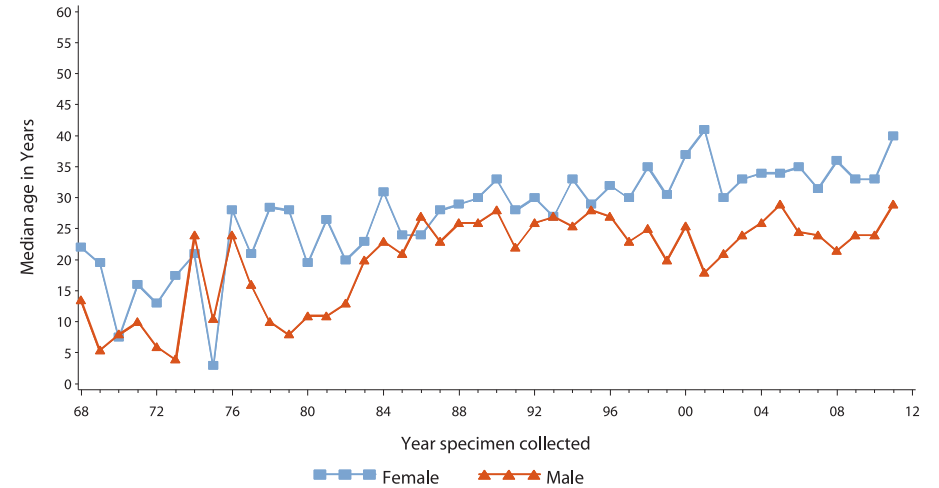


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=15,193 Missing=3,447

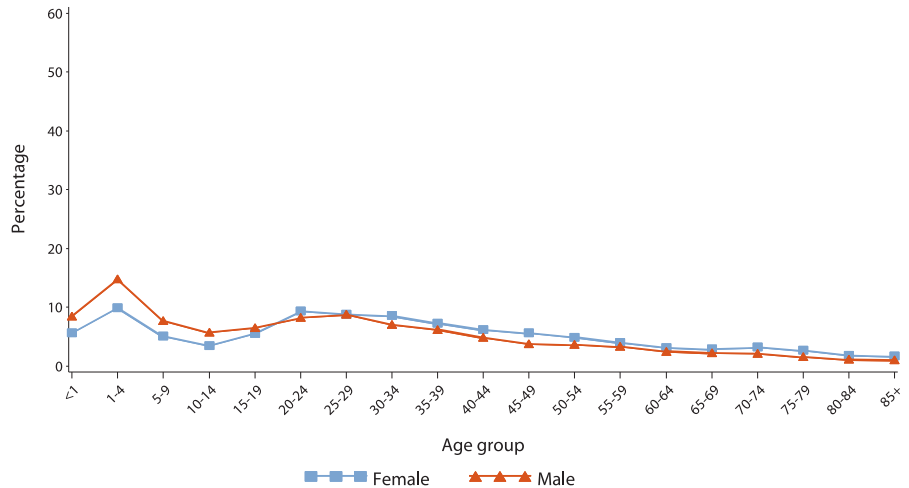


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=3,989

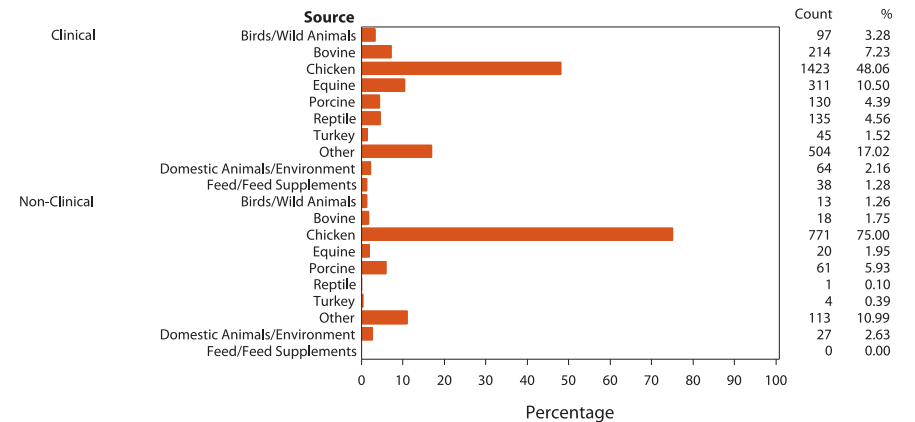
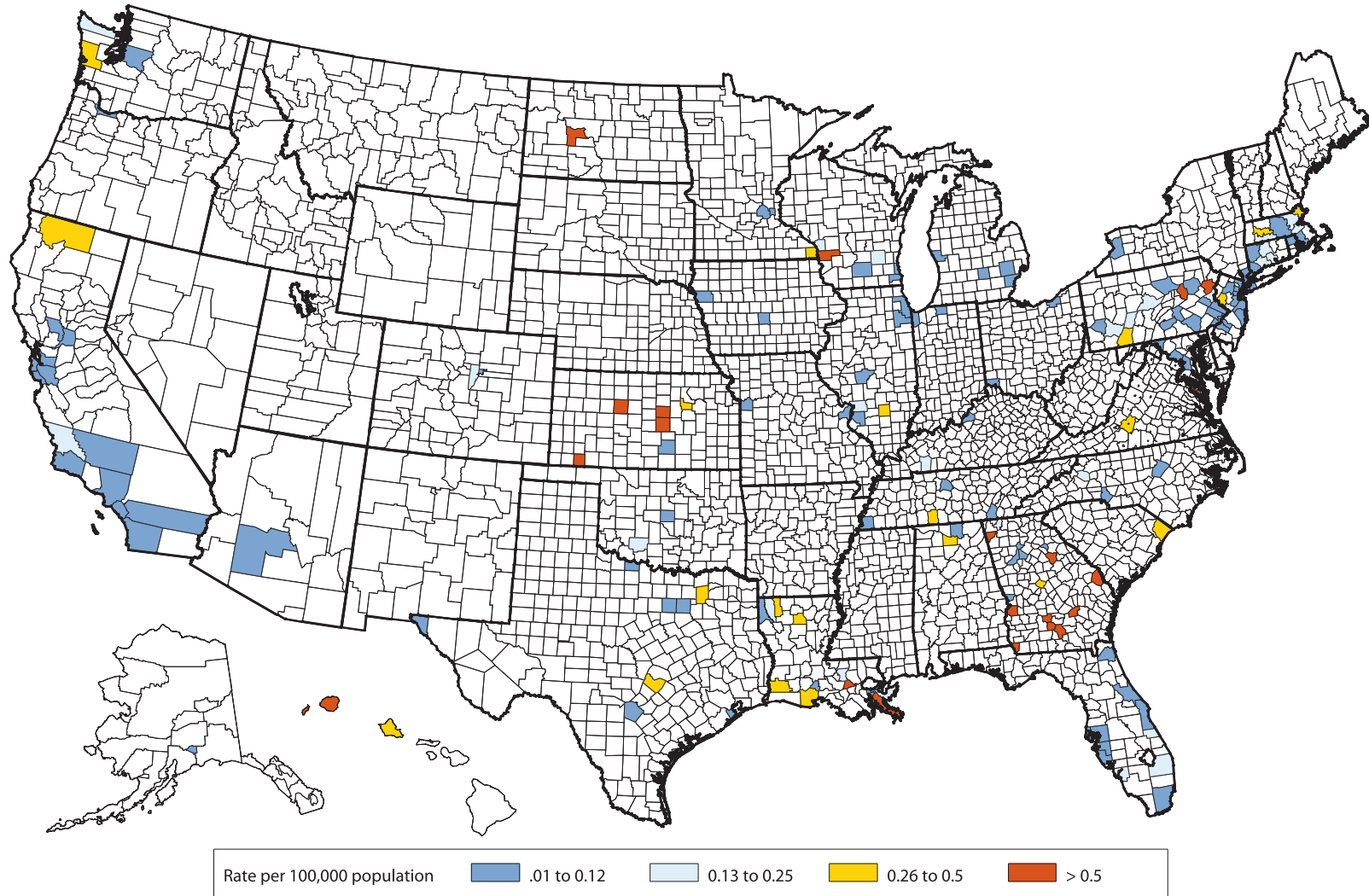


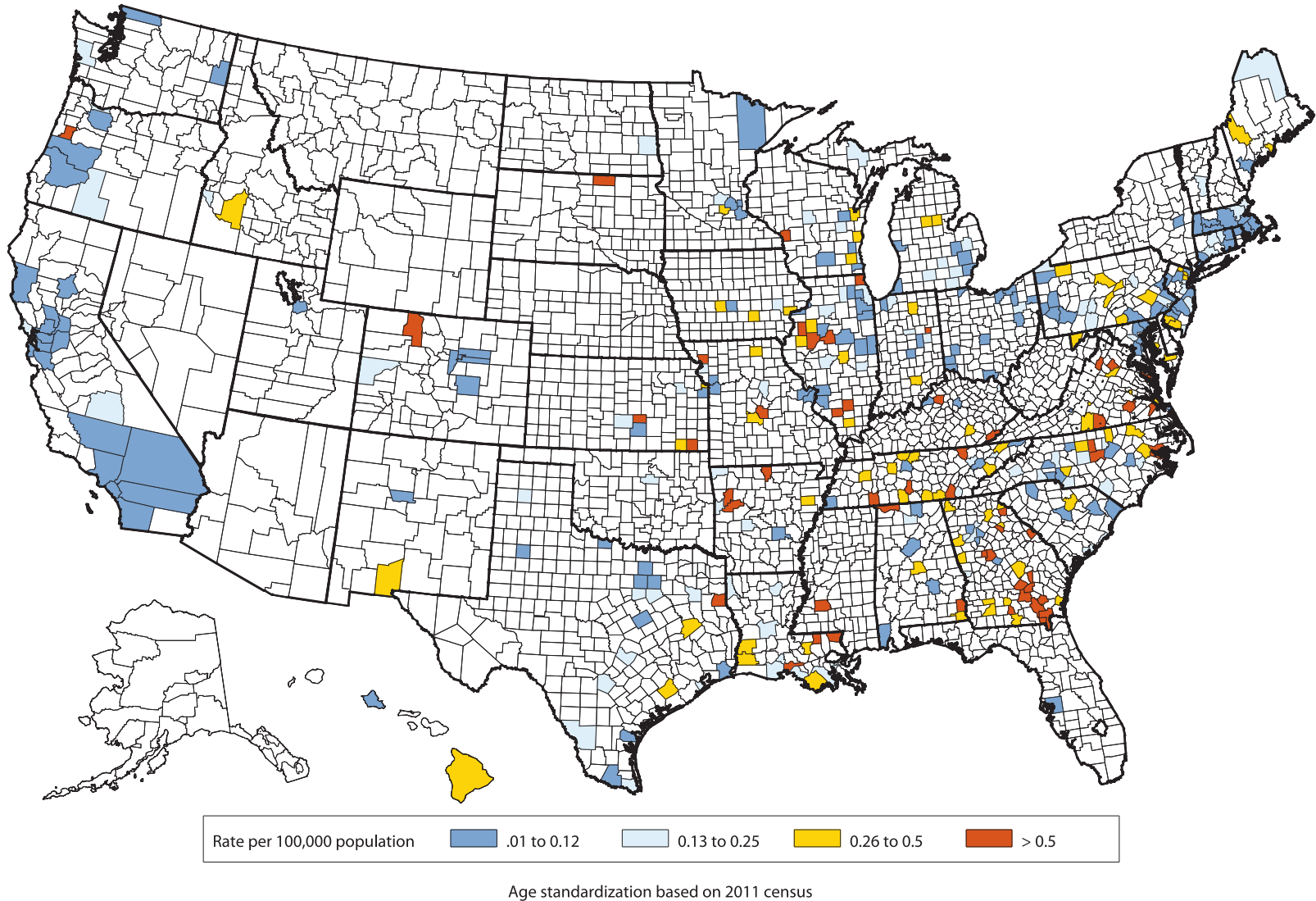
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

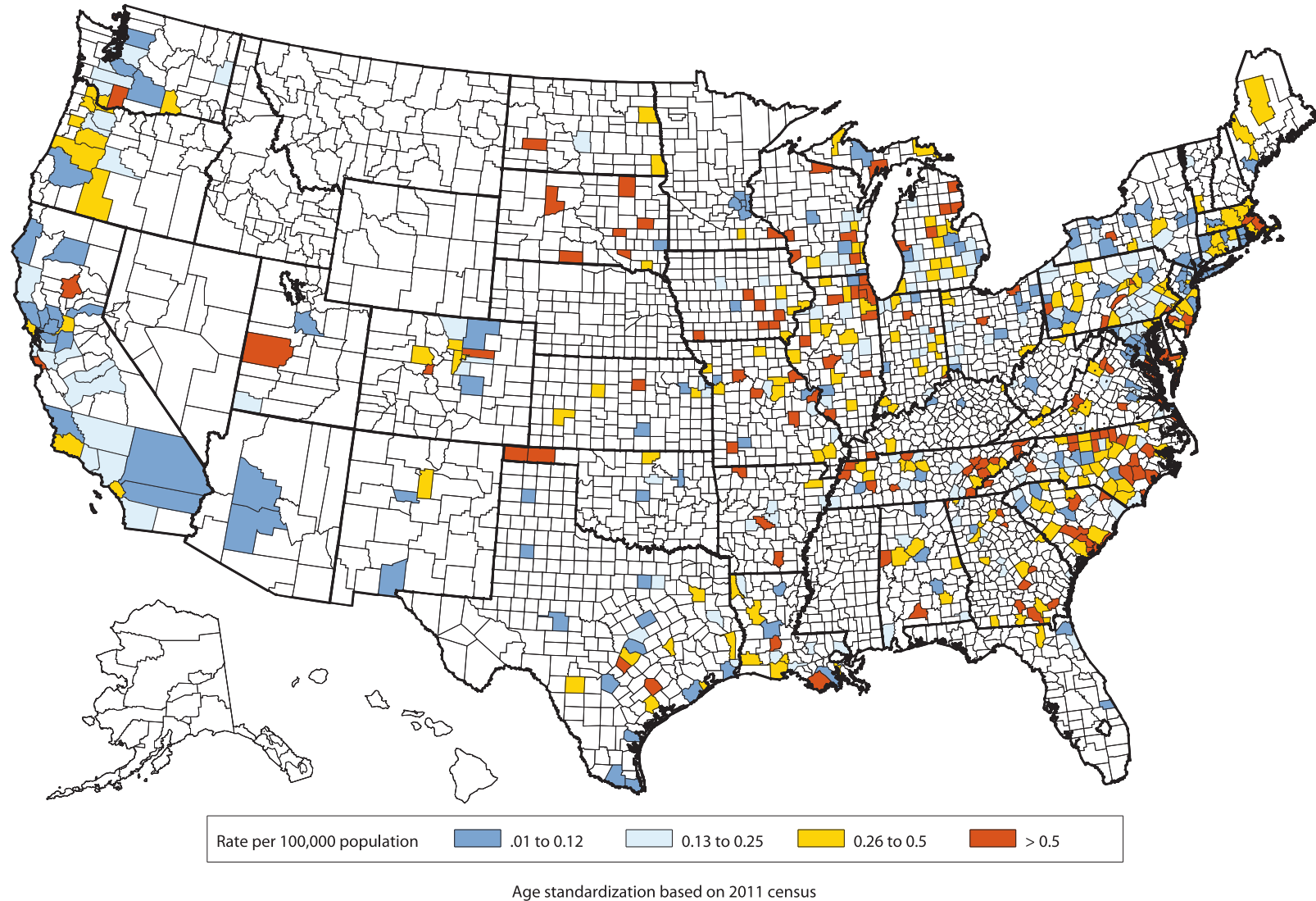
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



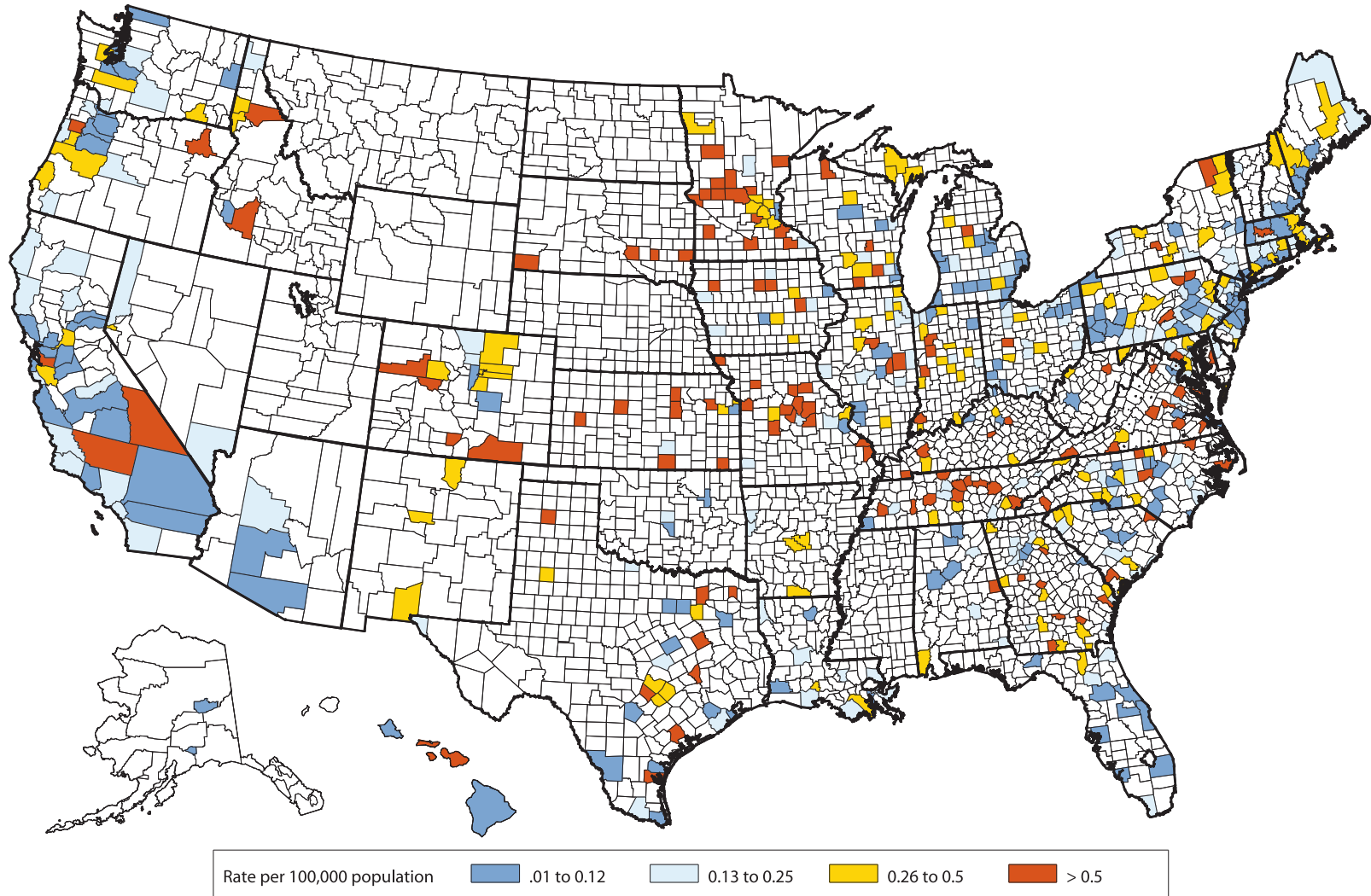
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

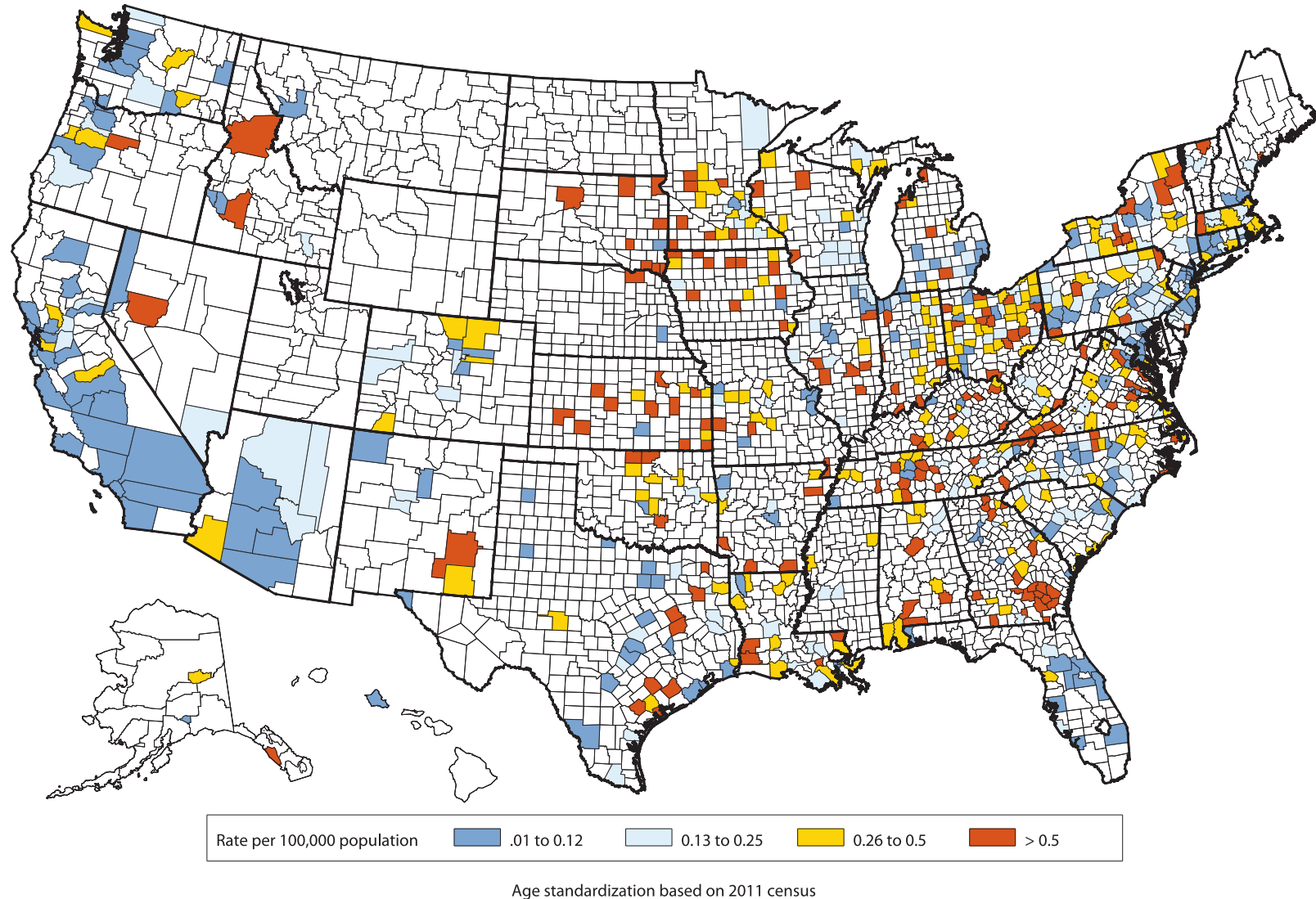
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

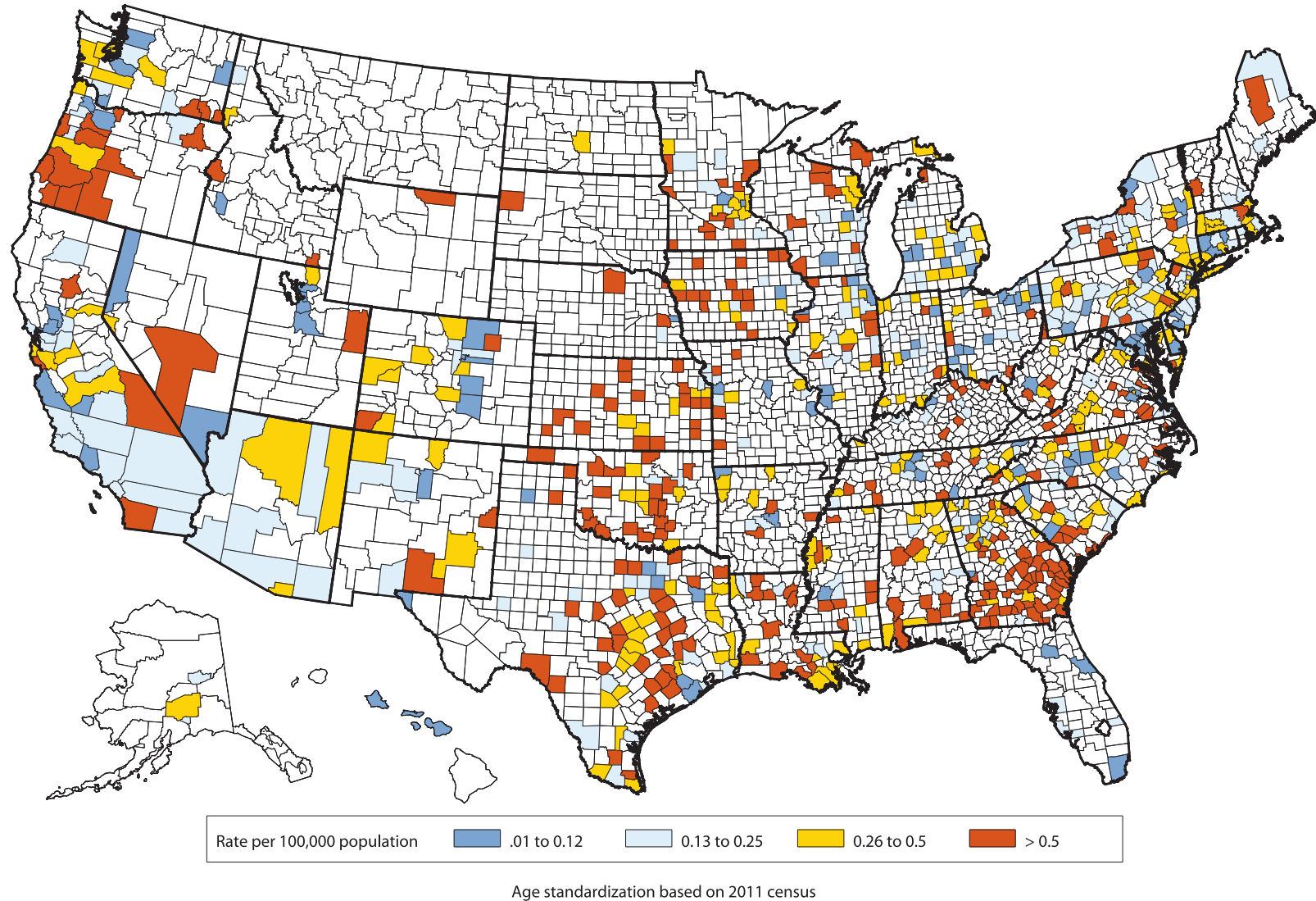
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Derby

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

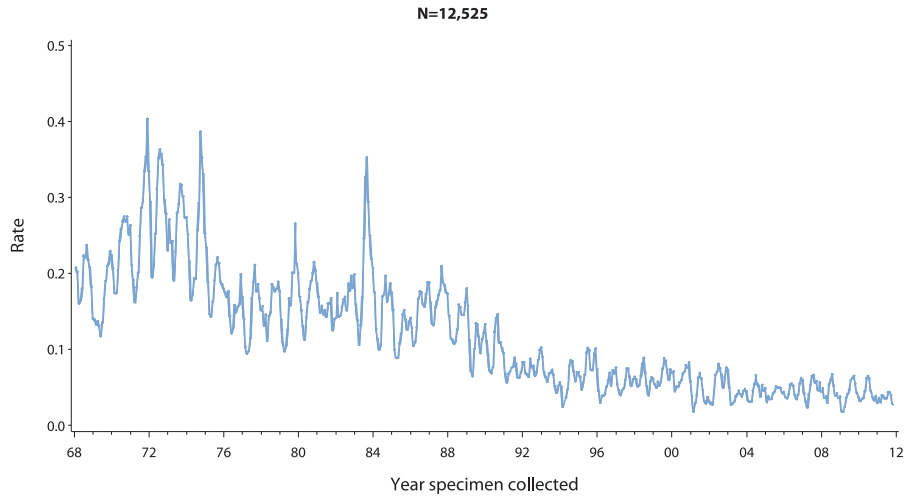


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

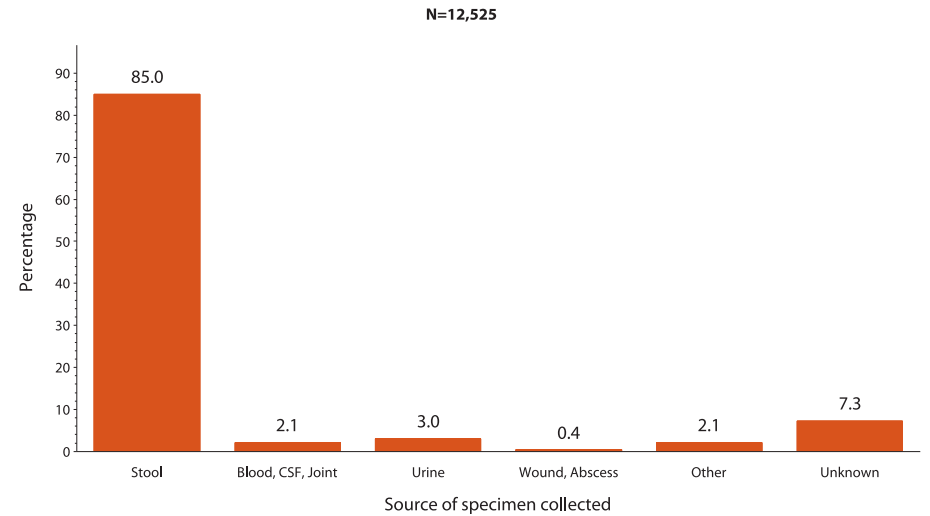


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

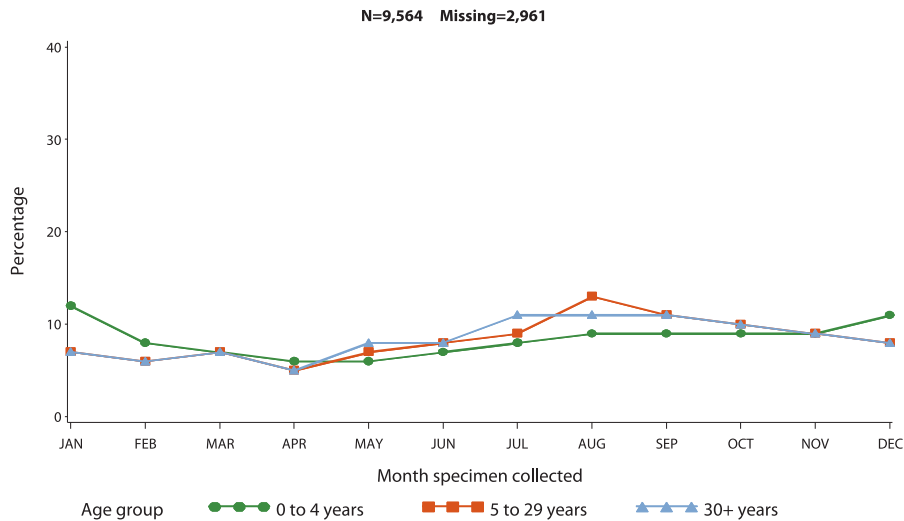
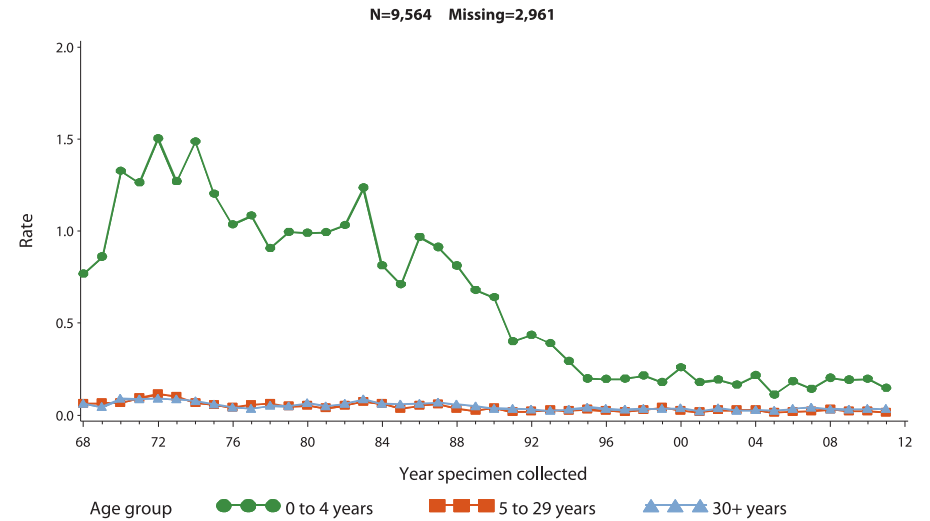


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Derby

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=9,564 Missing=3,135

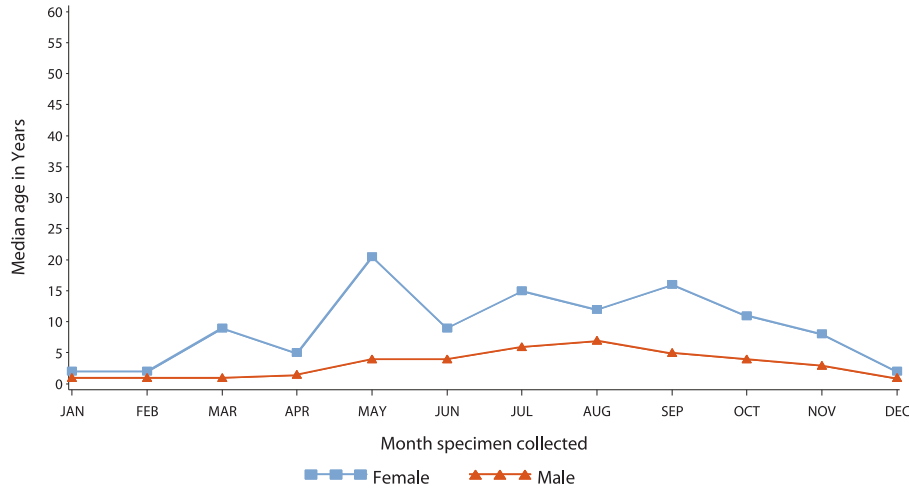


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=9,564 Missing=3,135

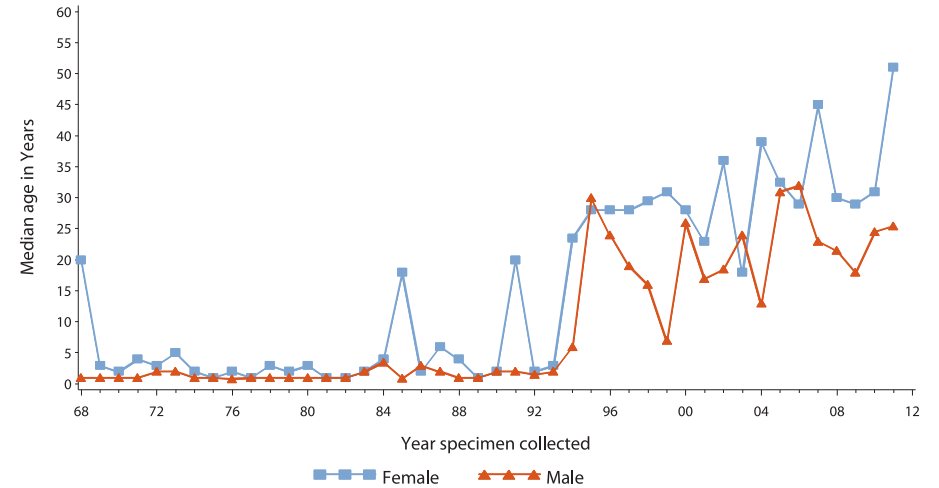


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=9,564 Missing=3,135

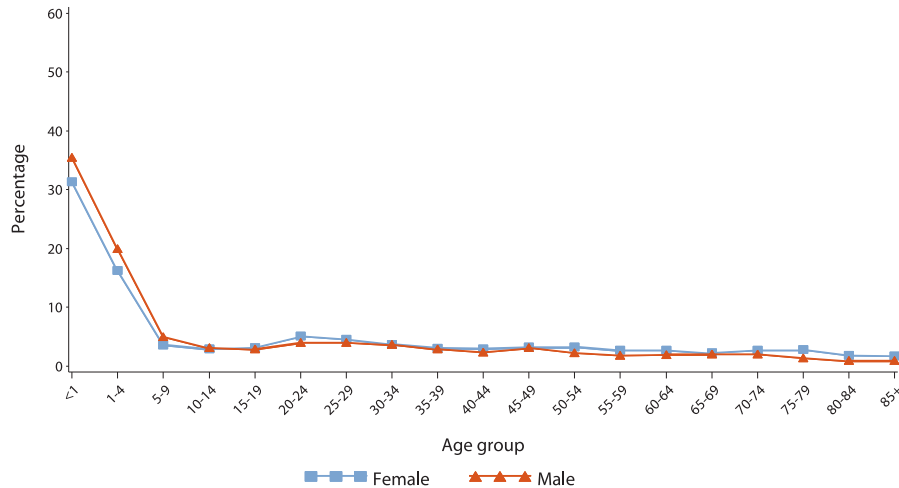


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=13,958

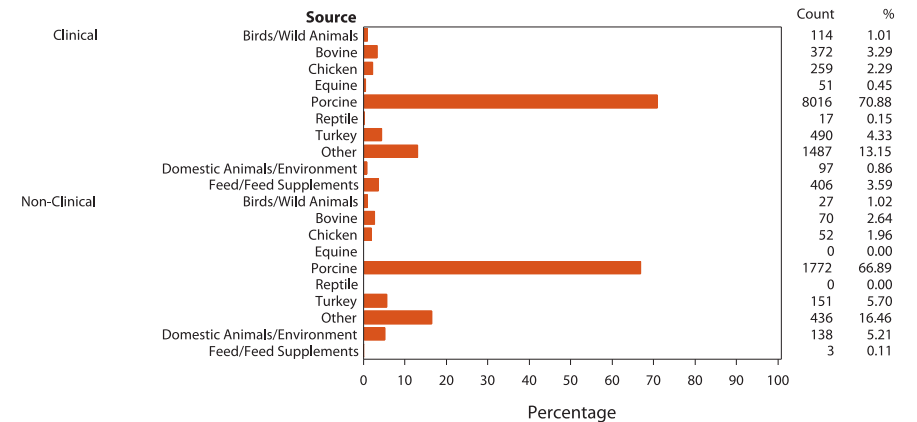
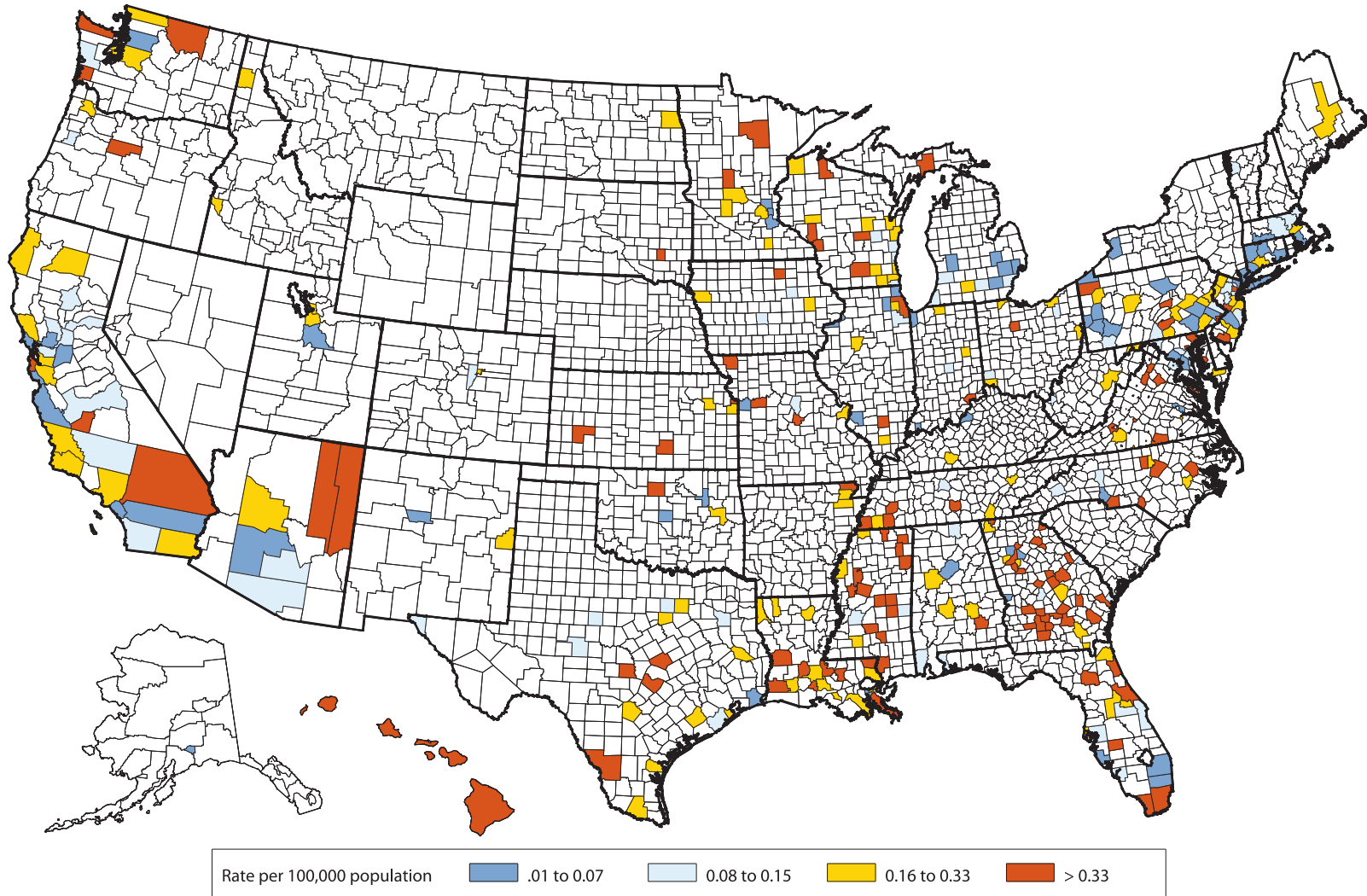


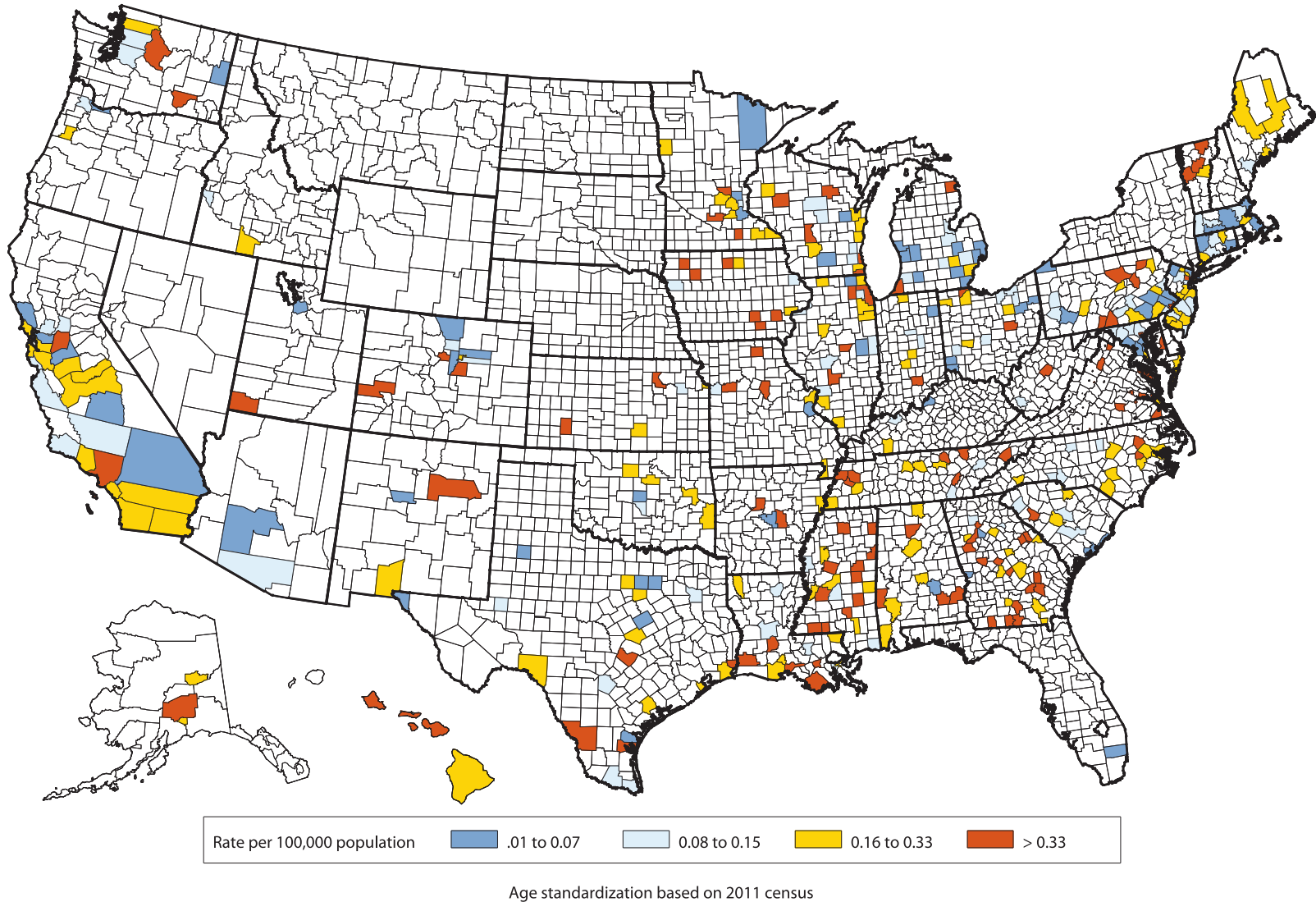
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

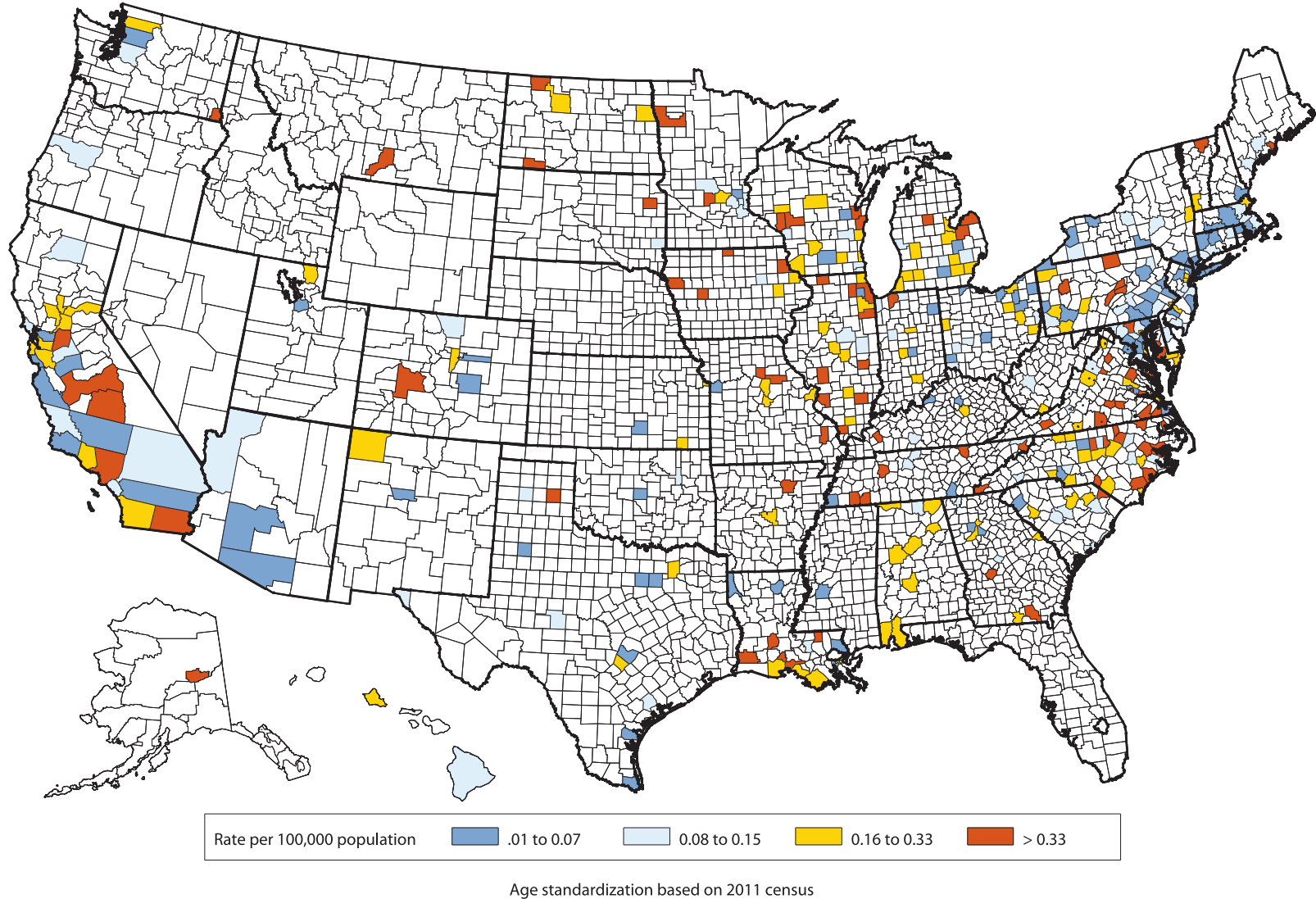
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



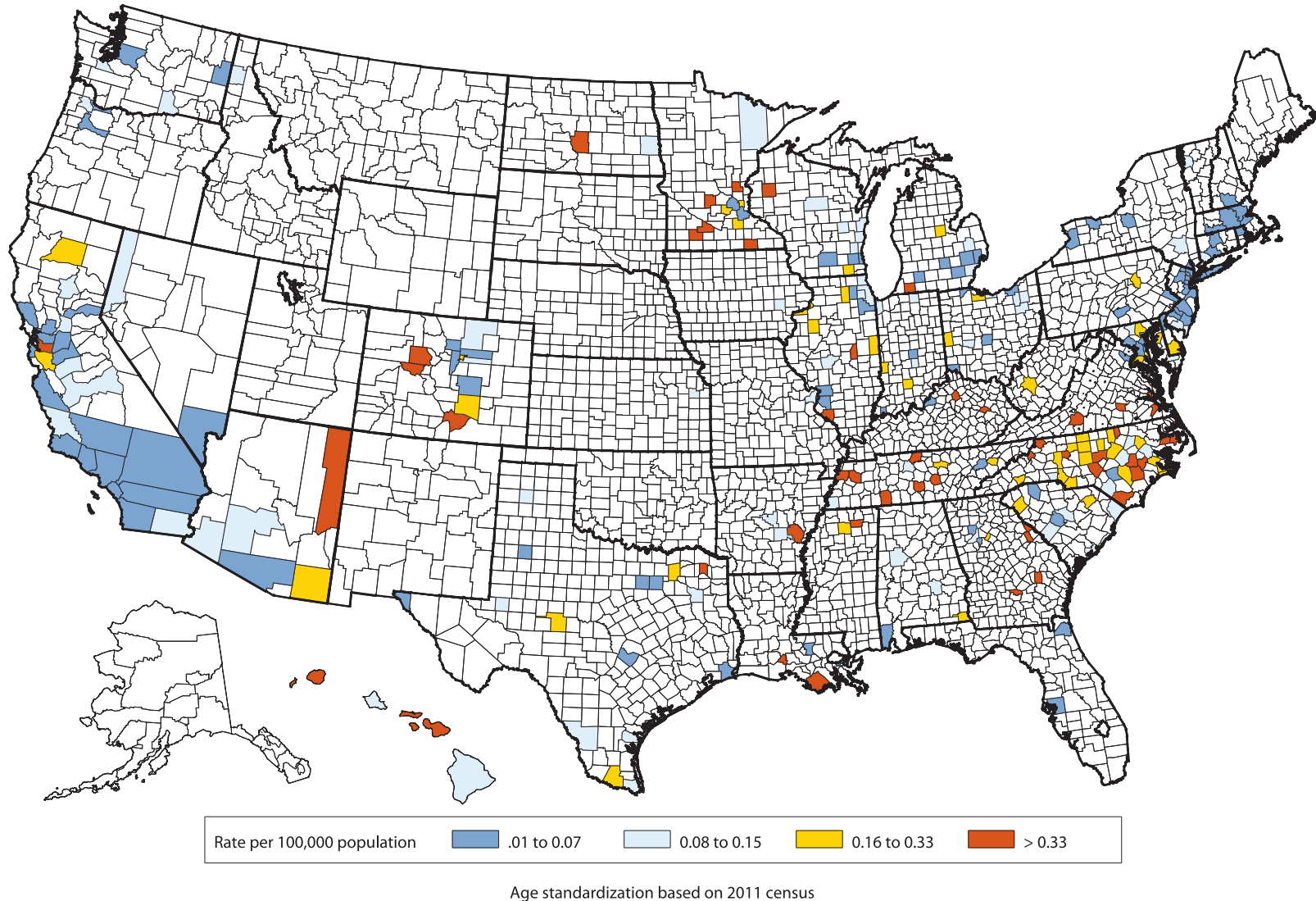
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



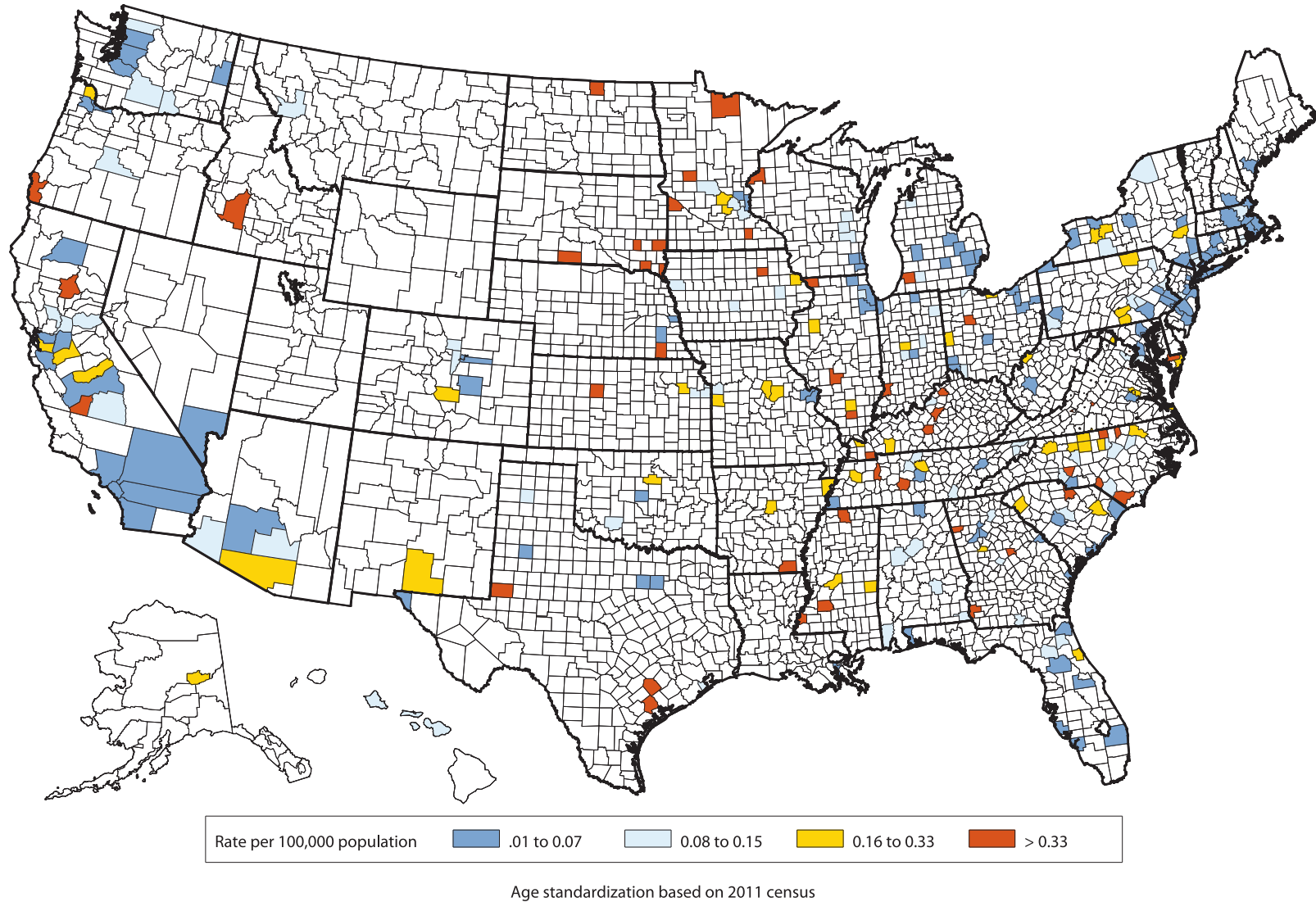
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



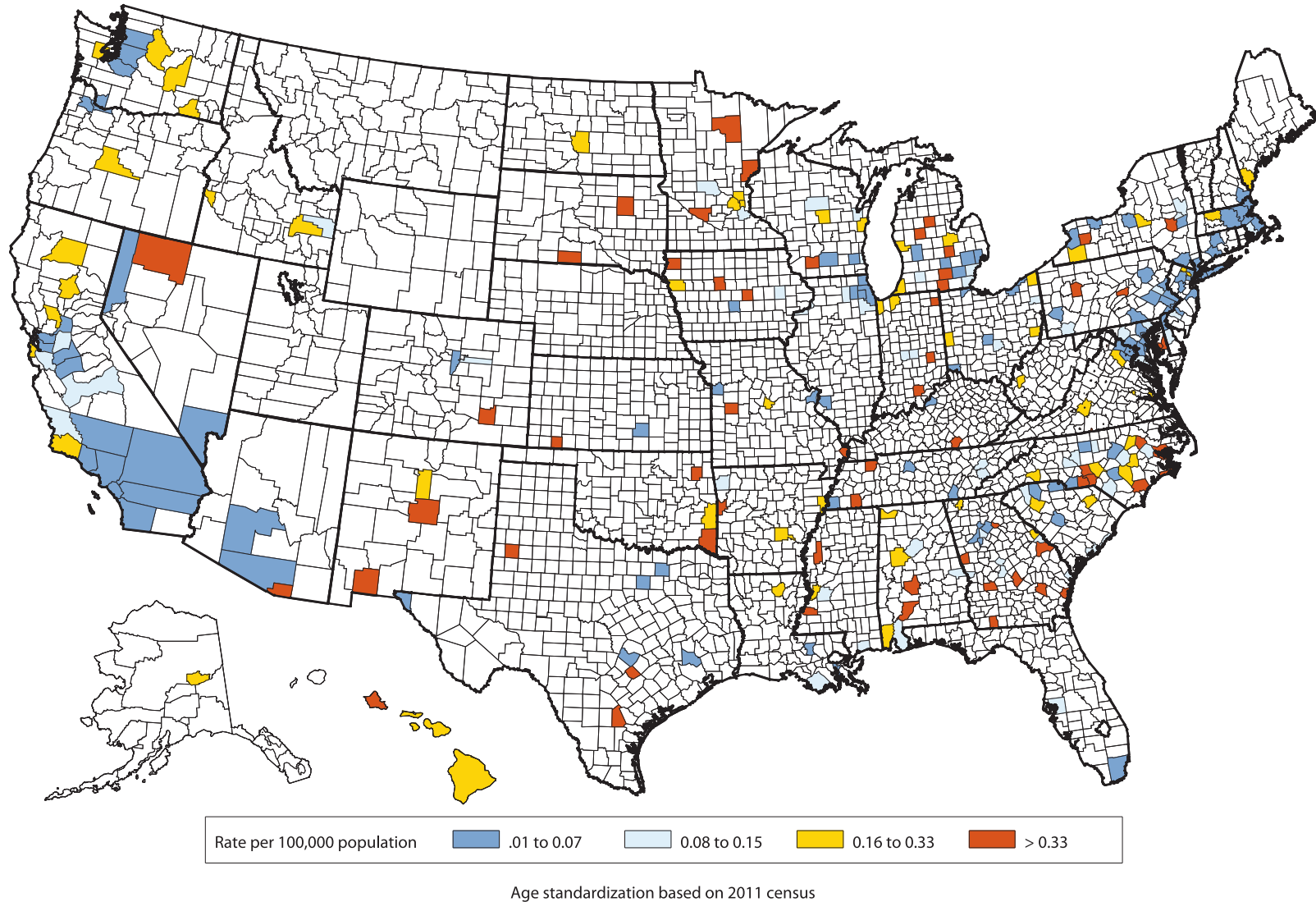
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Enteritidis

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

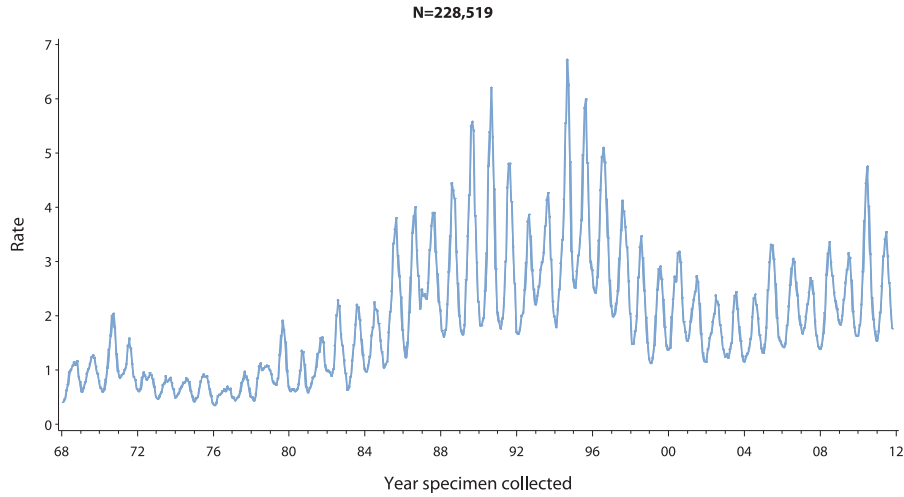


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

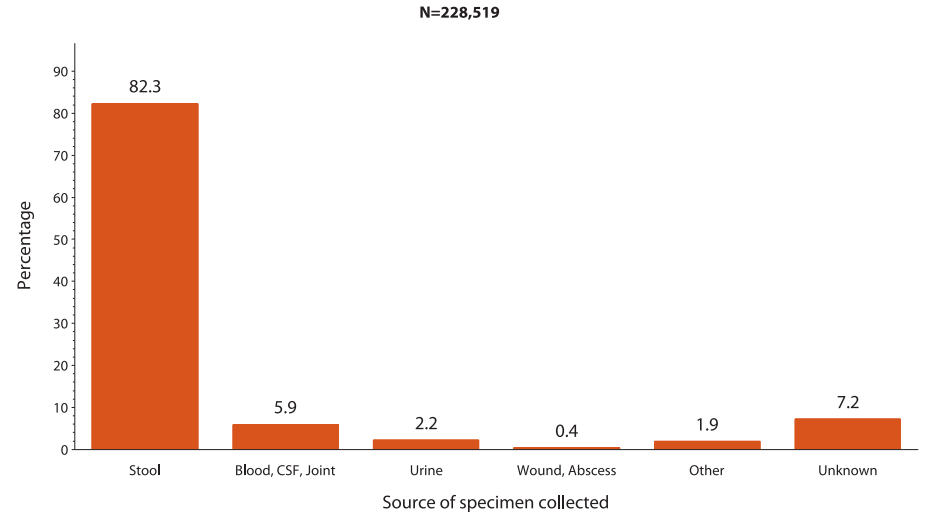


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

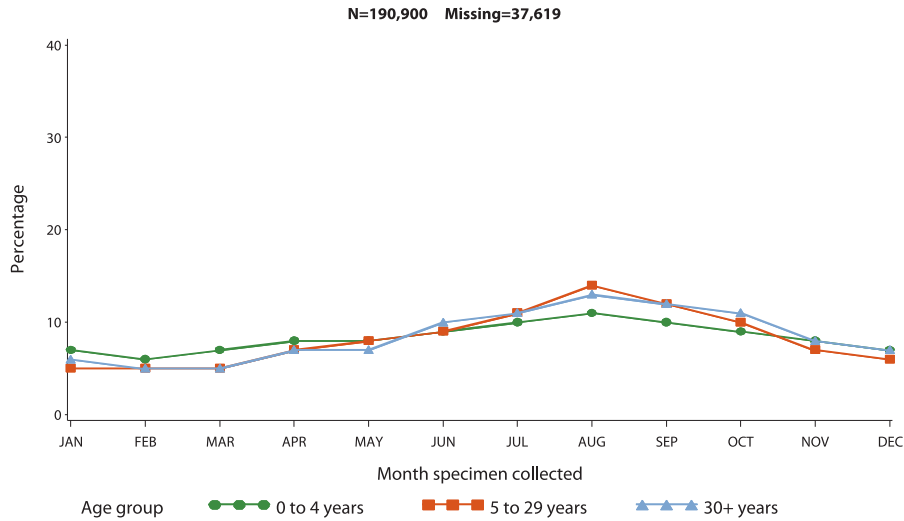
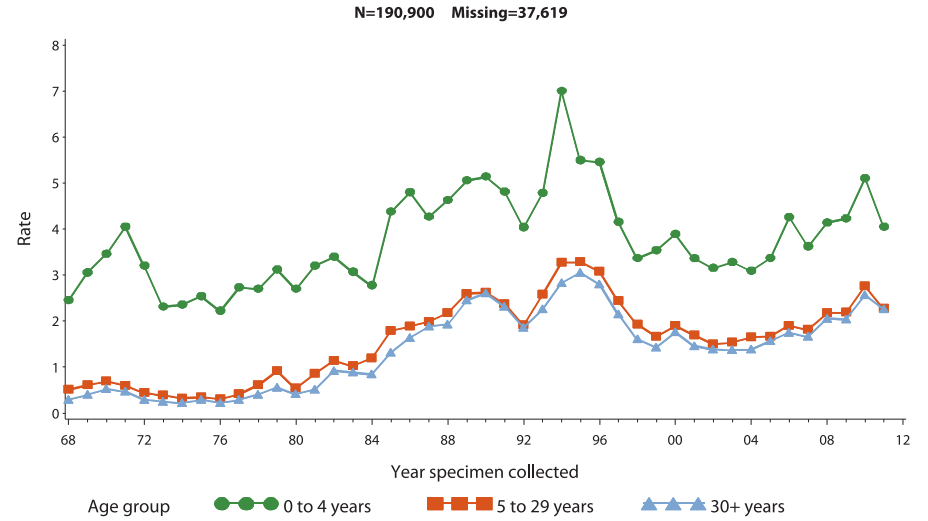


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Enteritidis

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=190,900 Missing=42,738

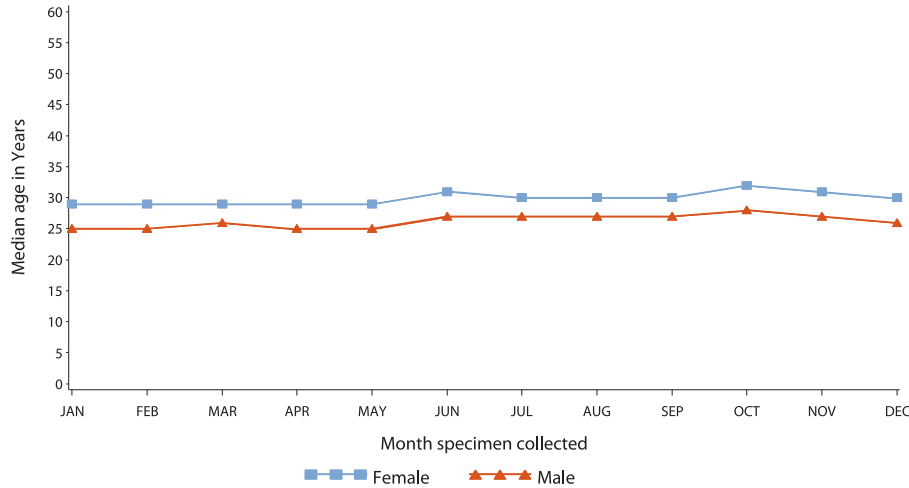


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=190,900 Missing=42,738

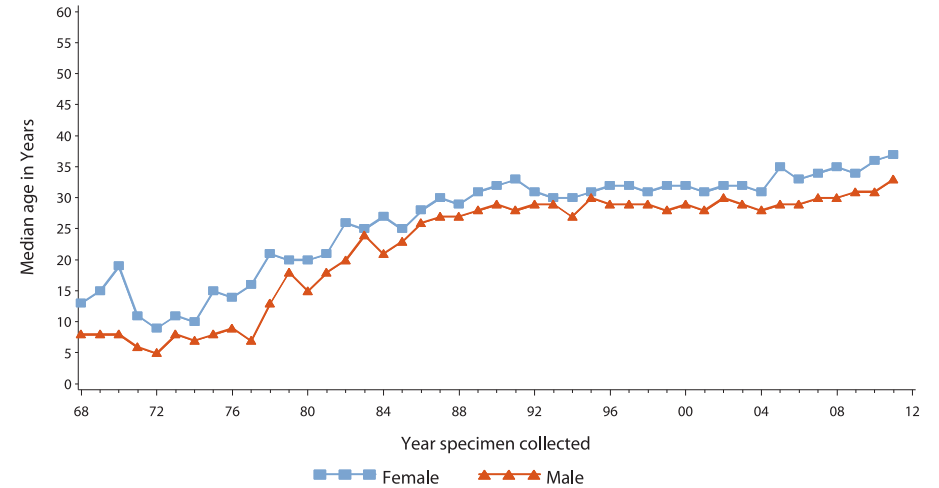


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=190,900 Missing=42,738

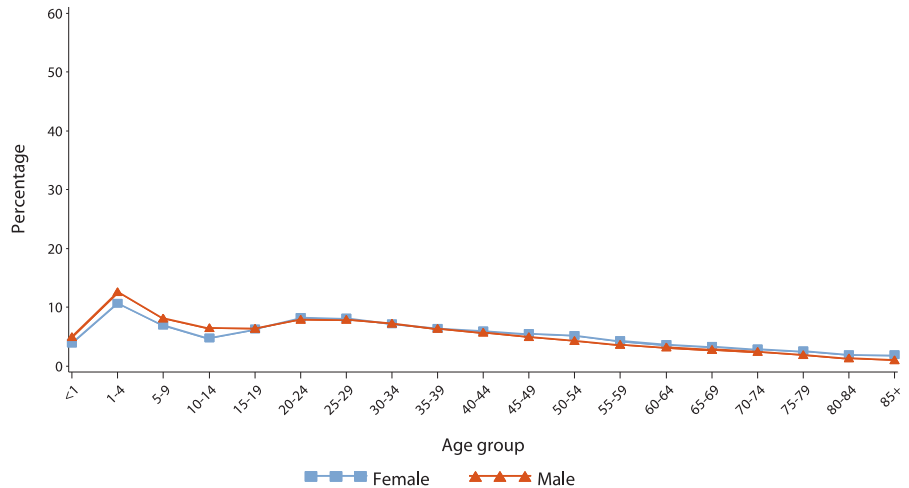


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=37,557

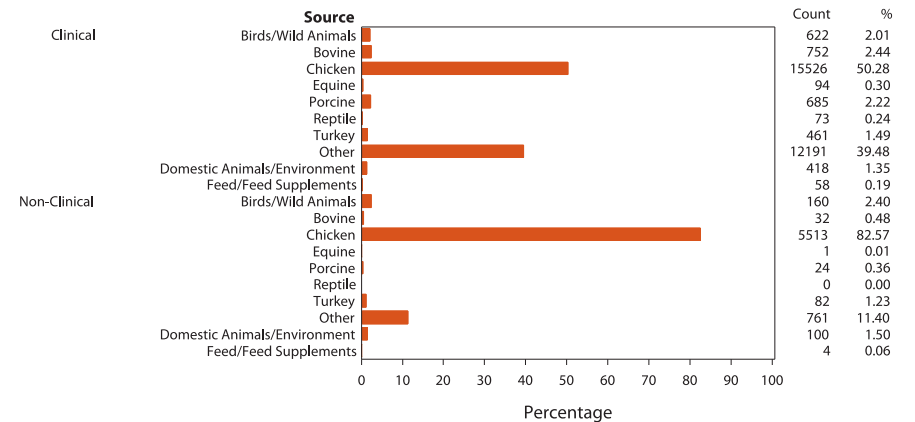
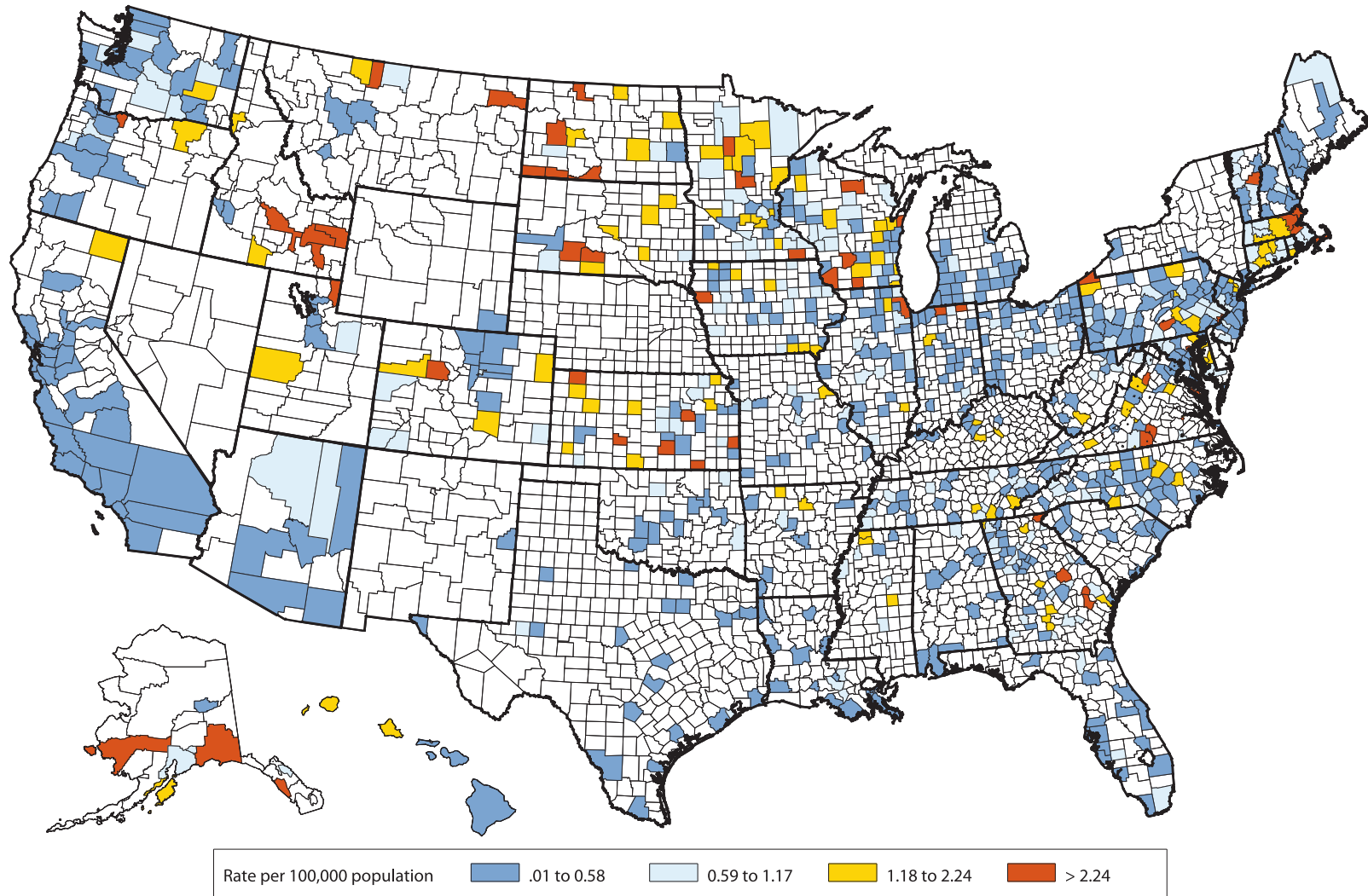


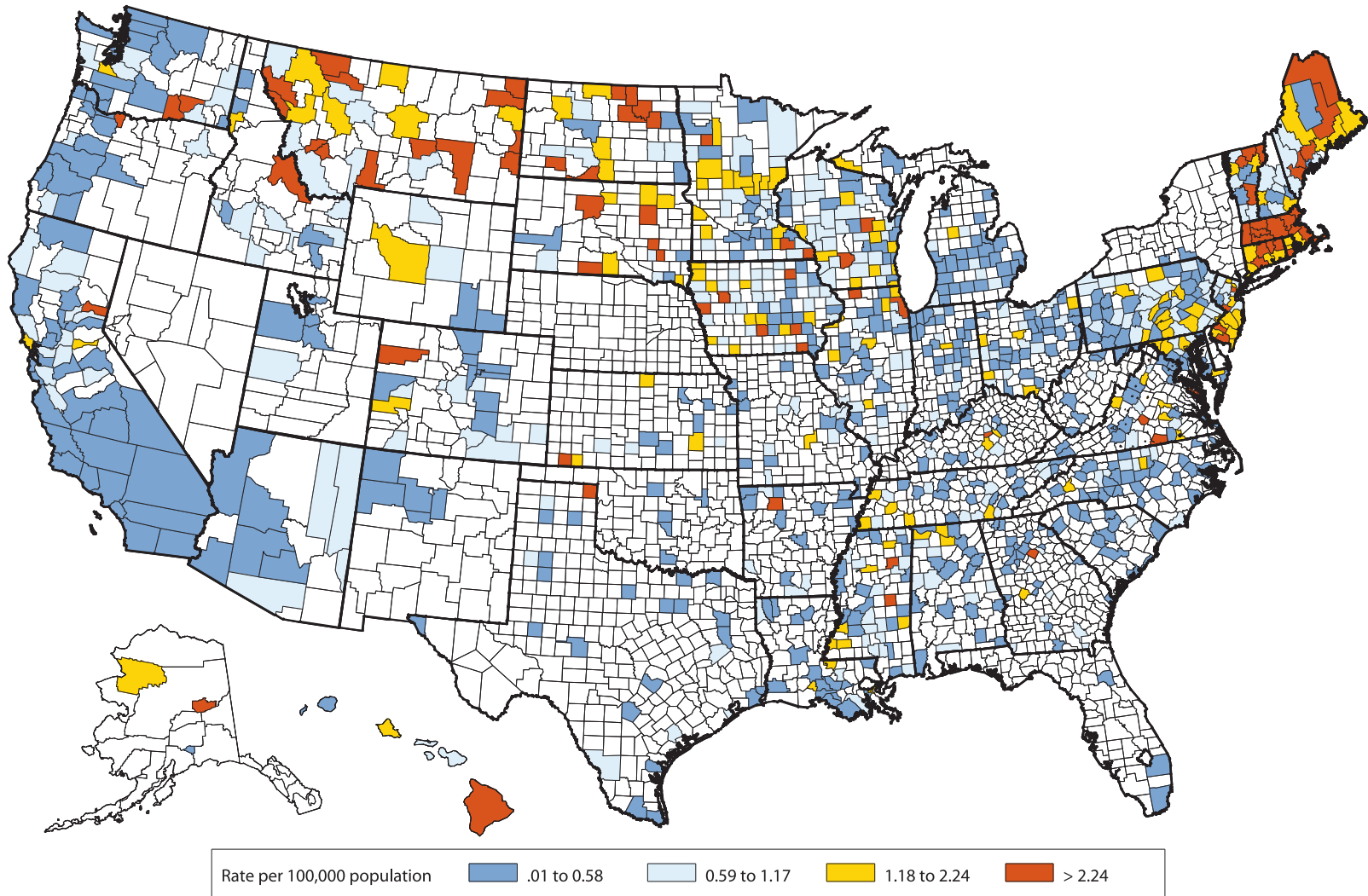
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

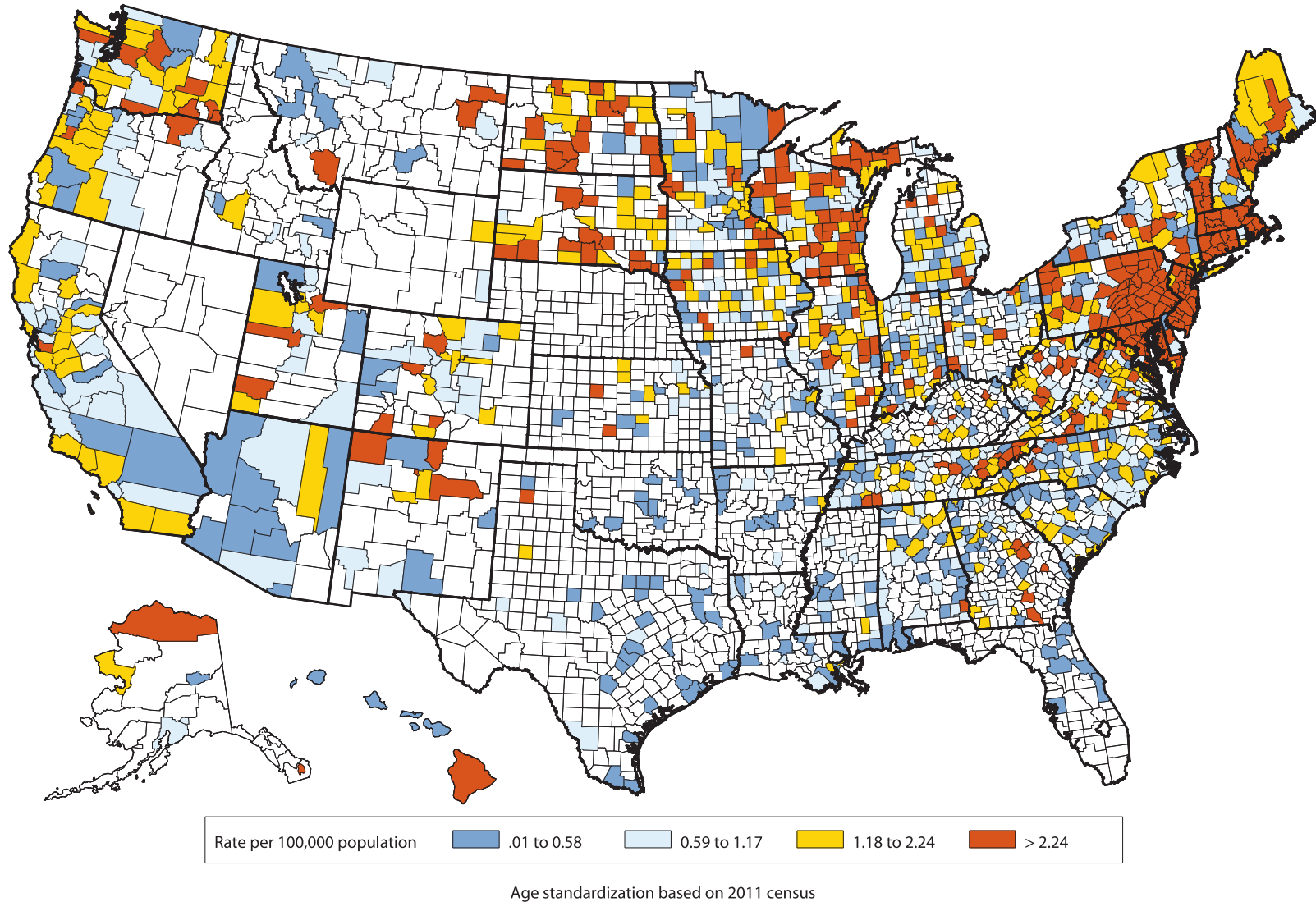
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

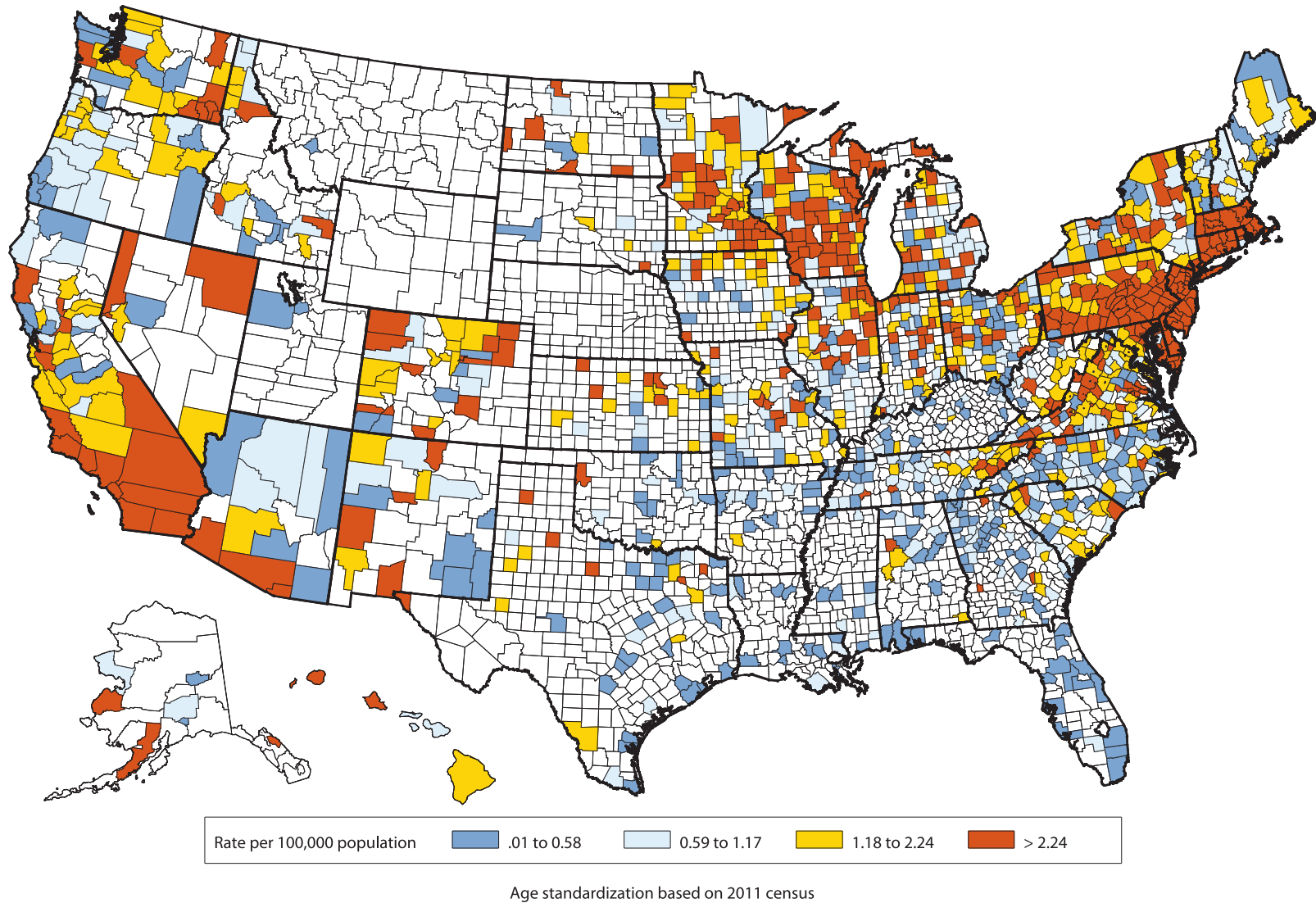
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



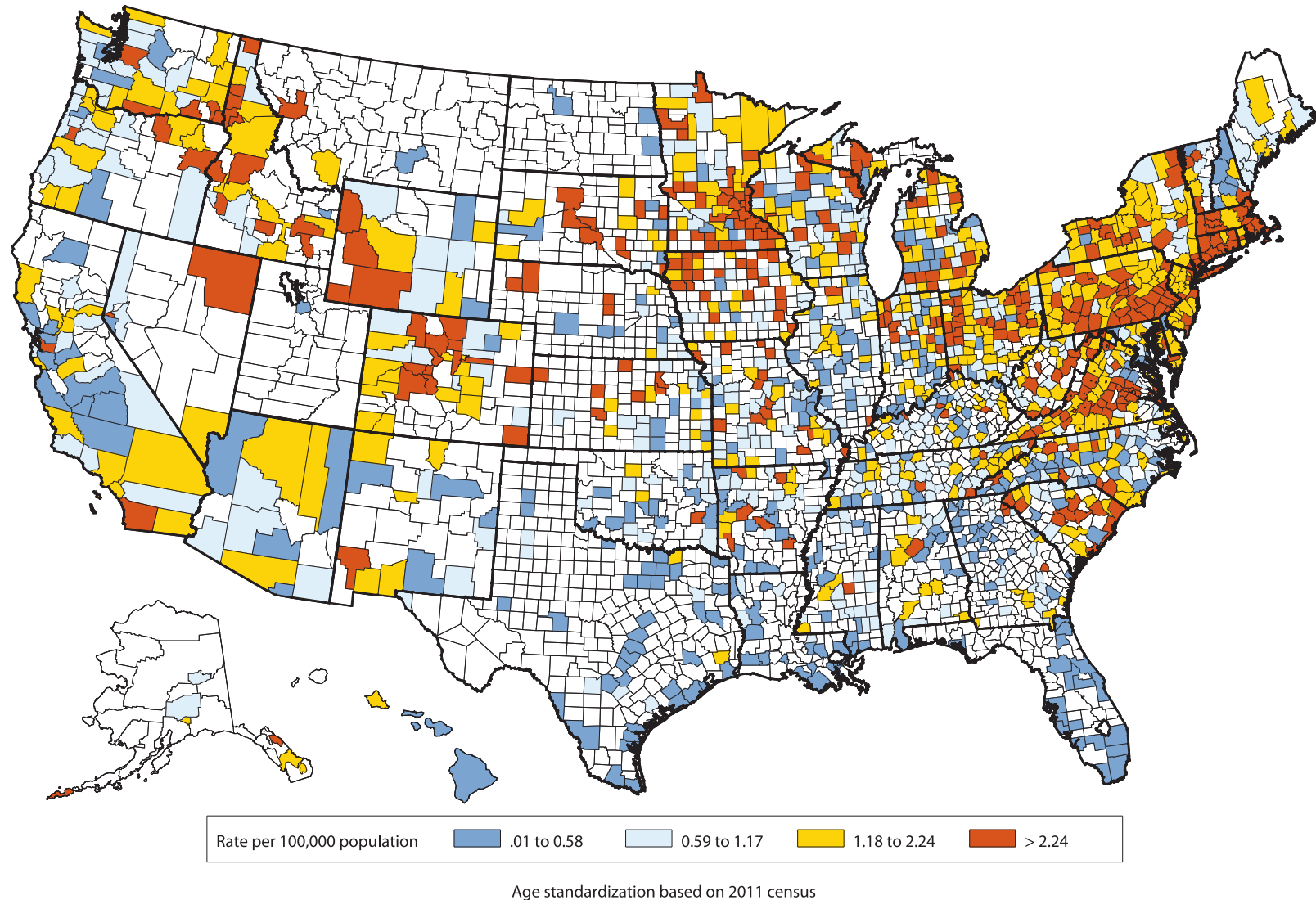
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



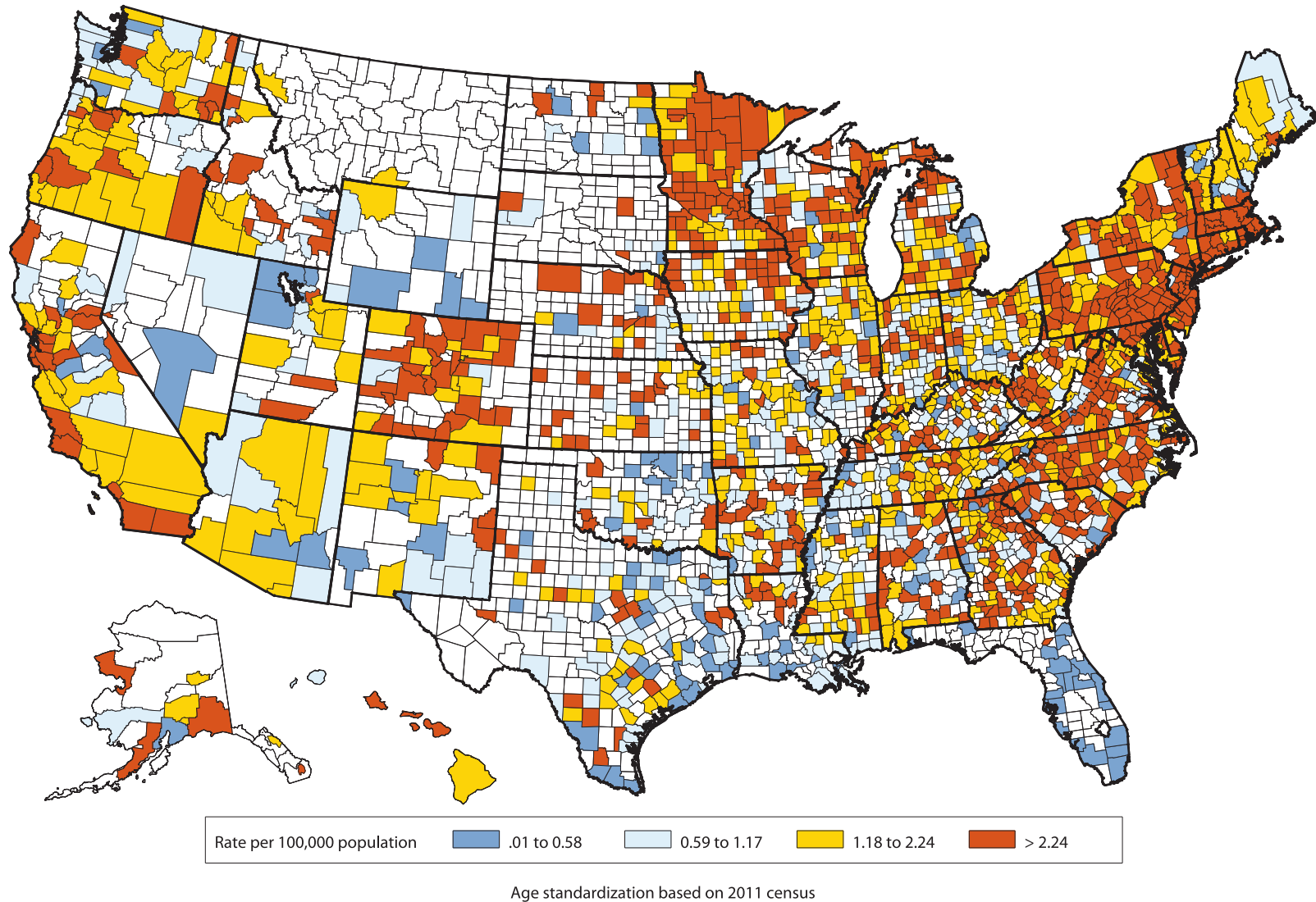
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Hadar

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

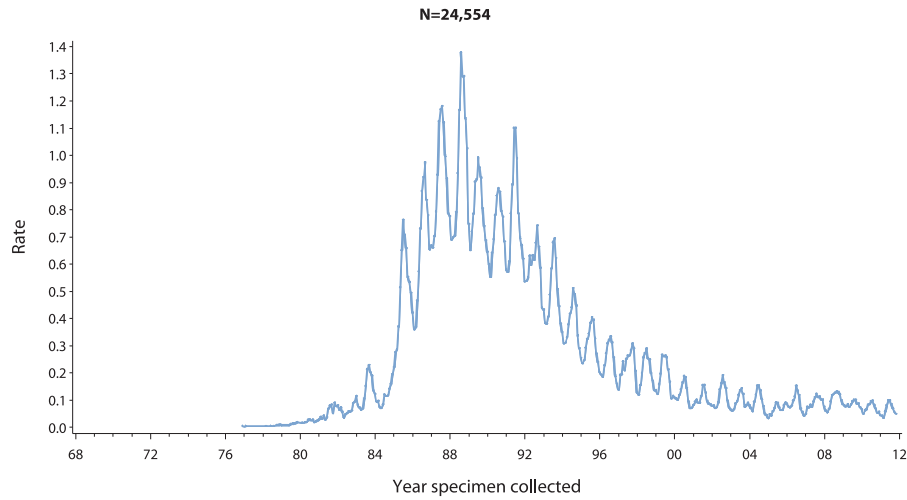


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

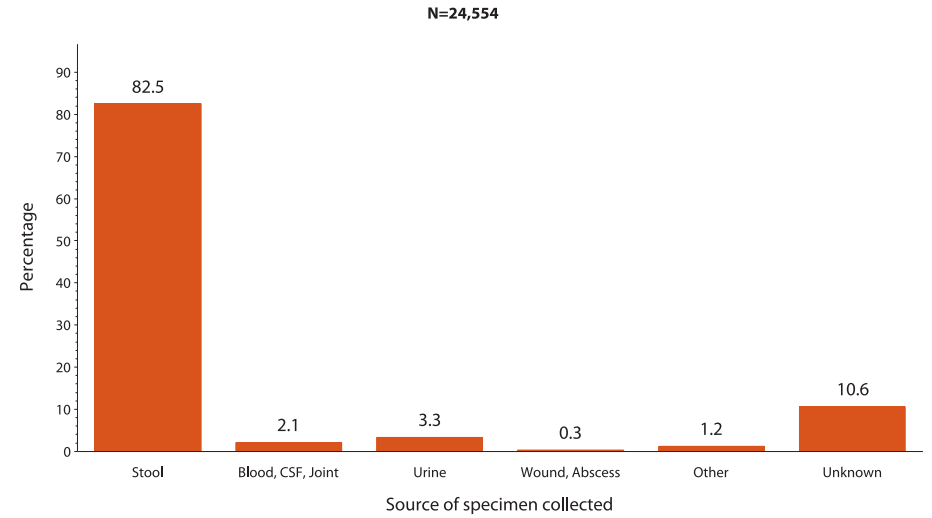


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

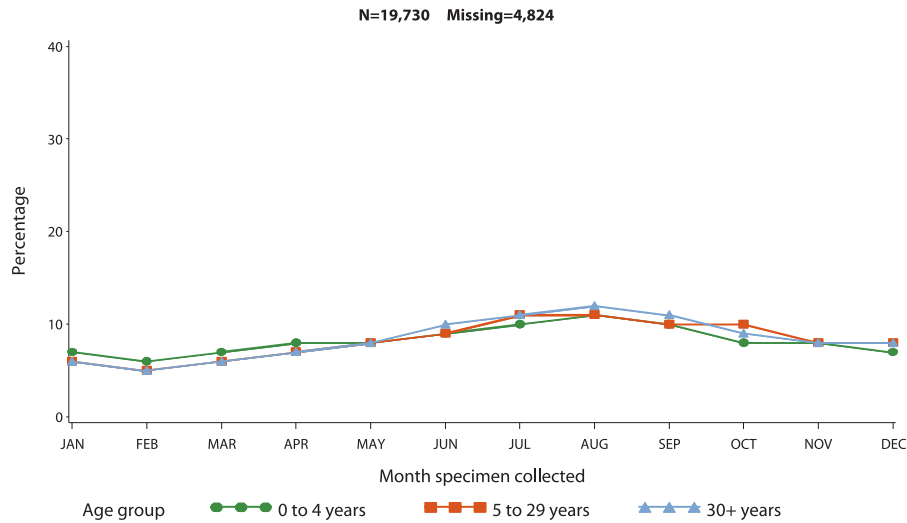
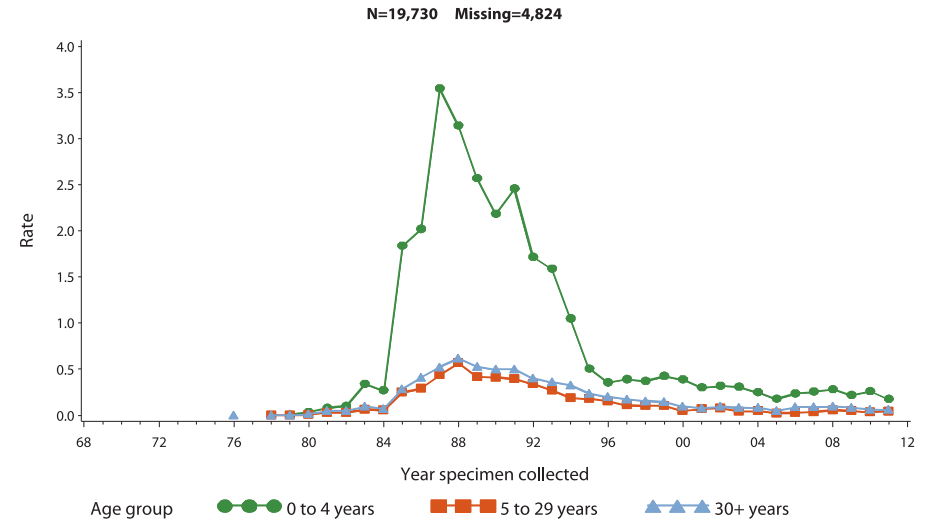


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Hadar

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=19,730 Missing=5,337

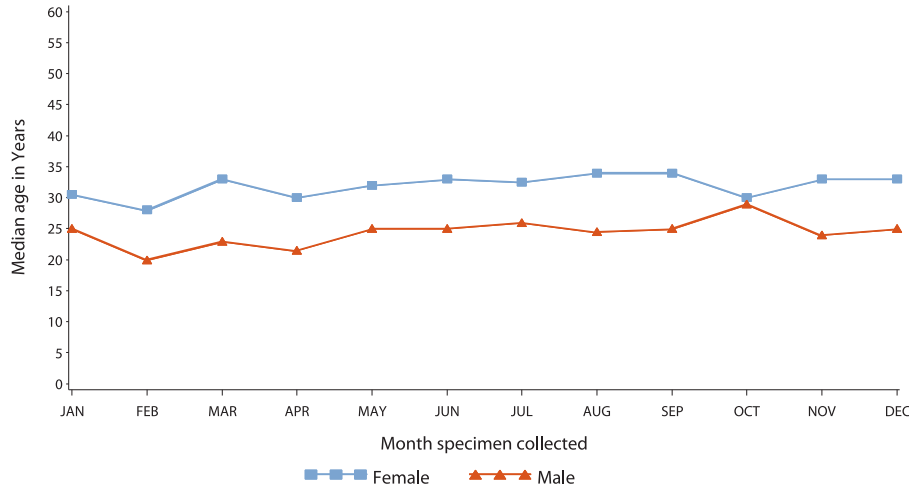


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=19,730 Missing=5,337

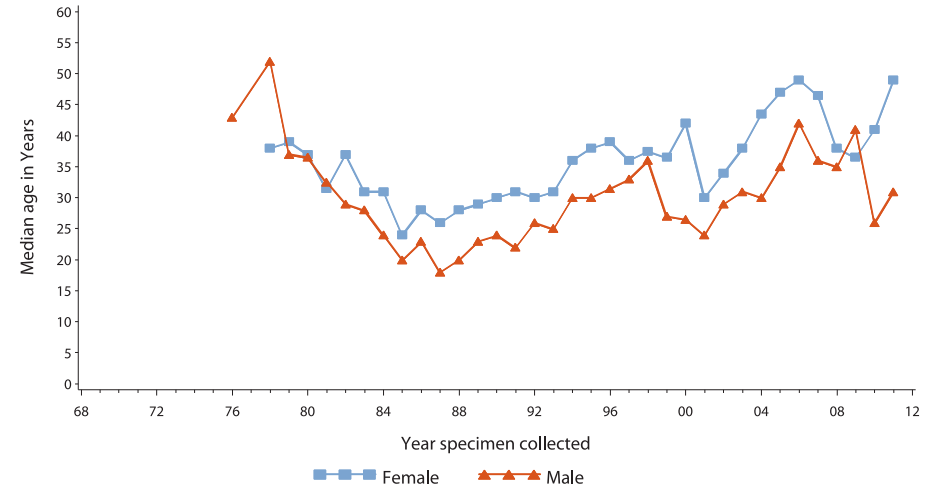


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=19,730 Missing=5,337

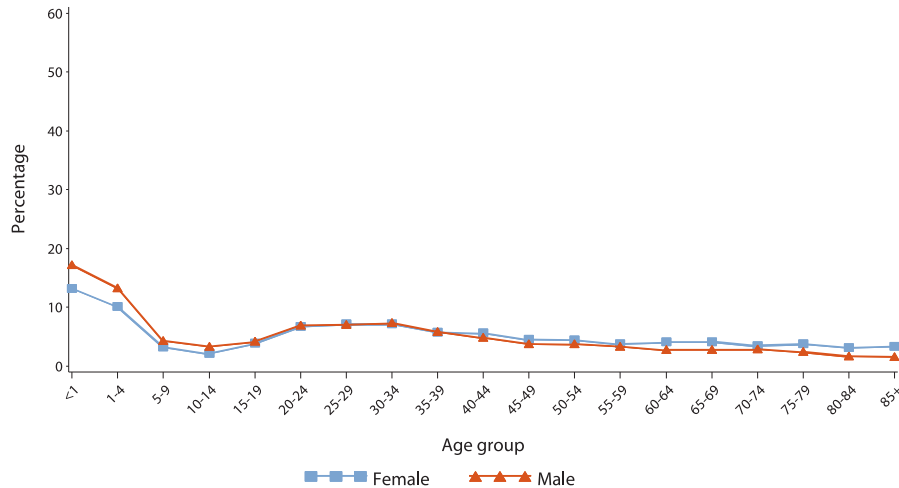


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=15,906

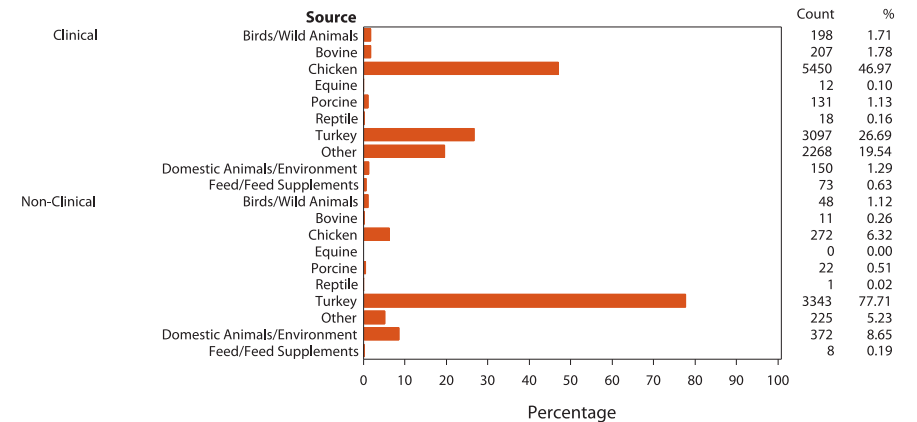
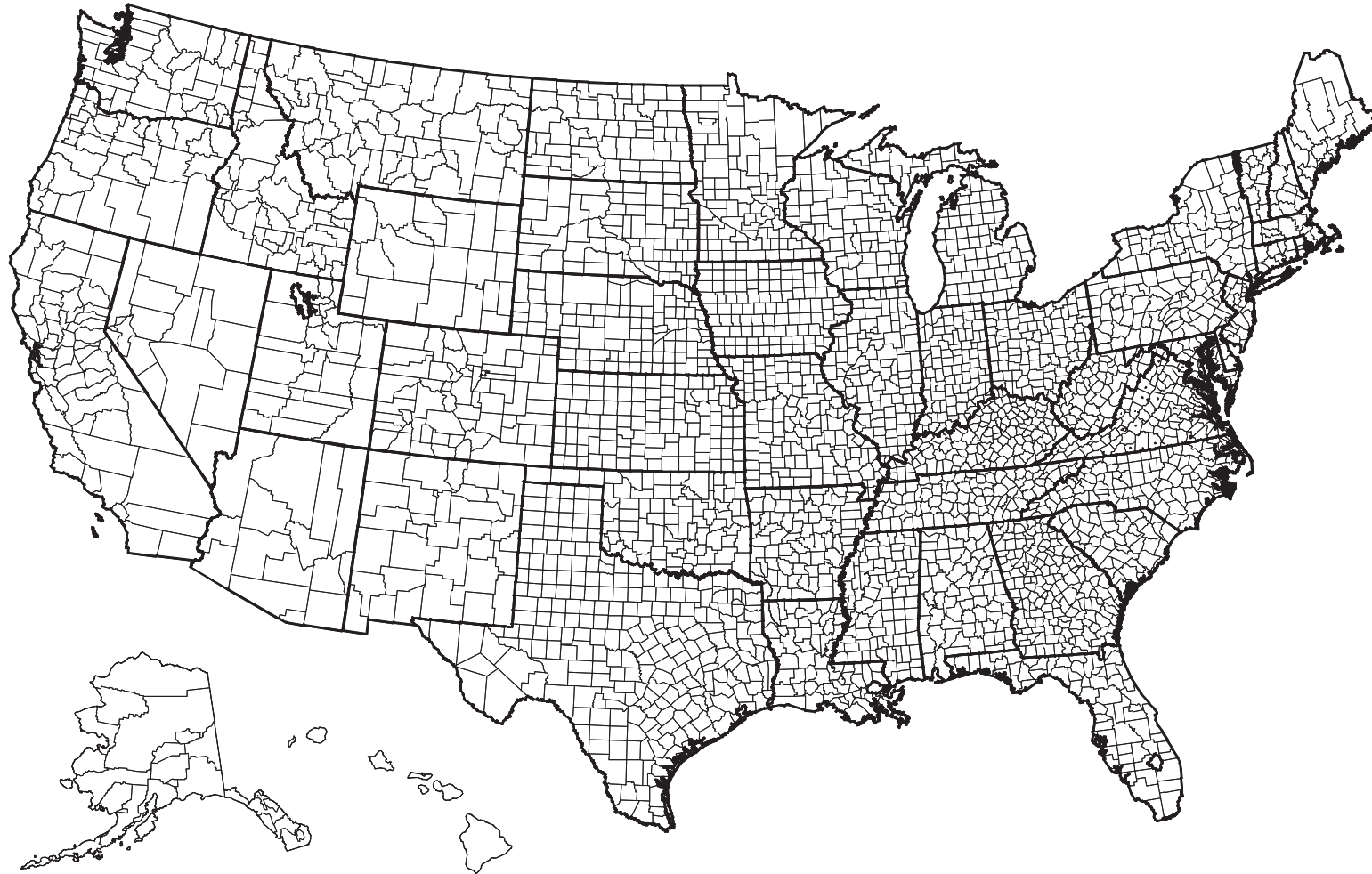


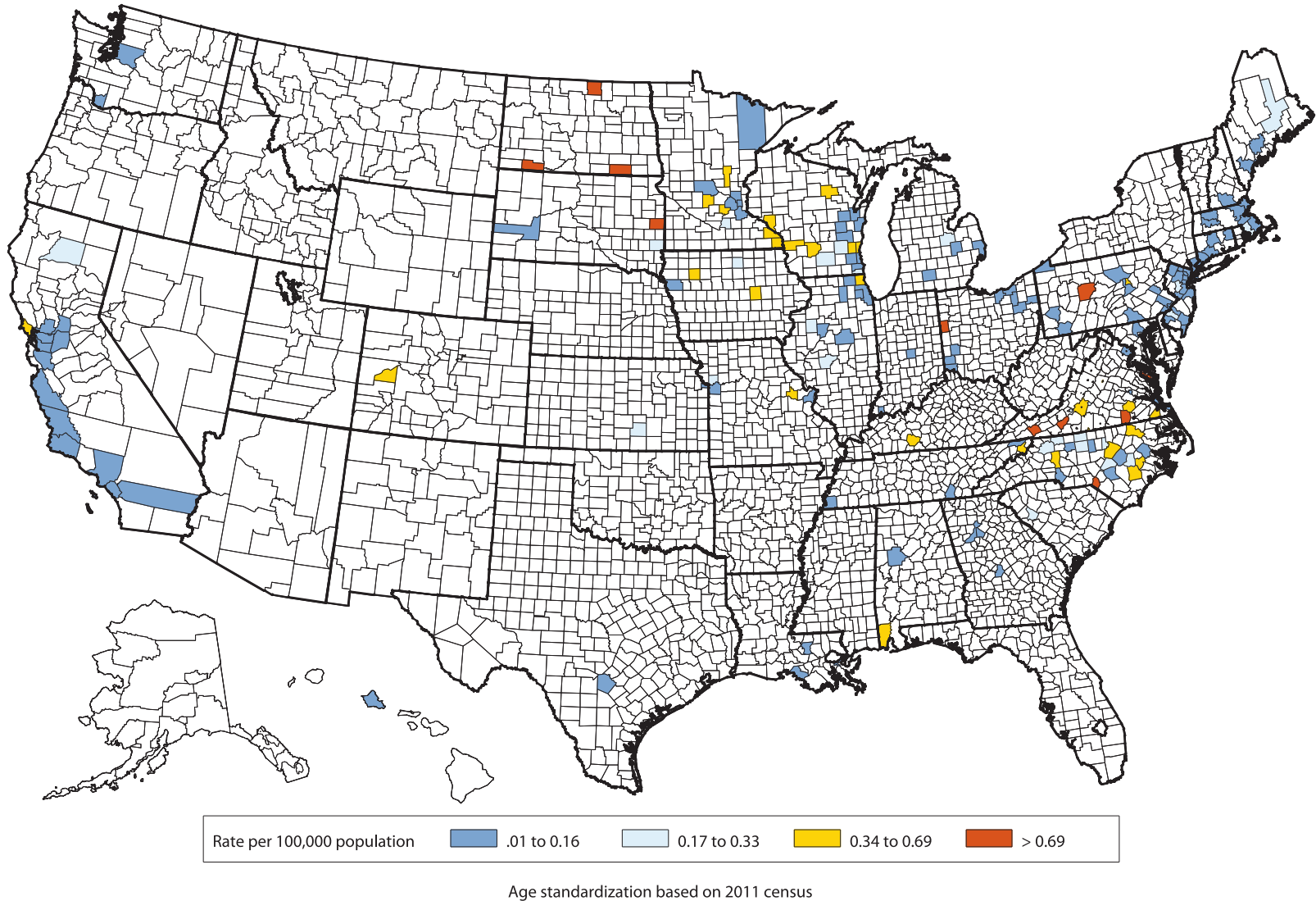
Figure 09 - Age standardized rates per 100,000 of reported isolates by county, 1968 to 1975



*** No isolates reported during this time period ***

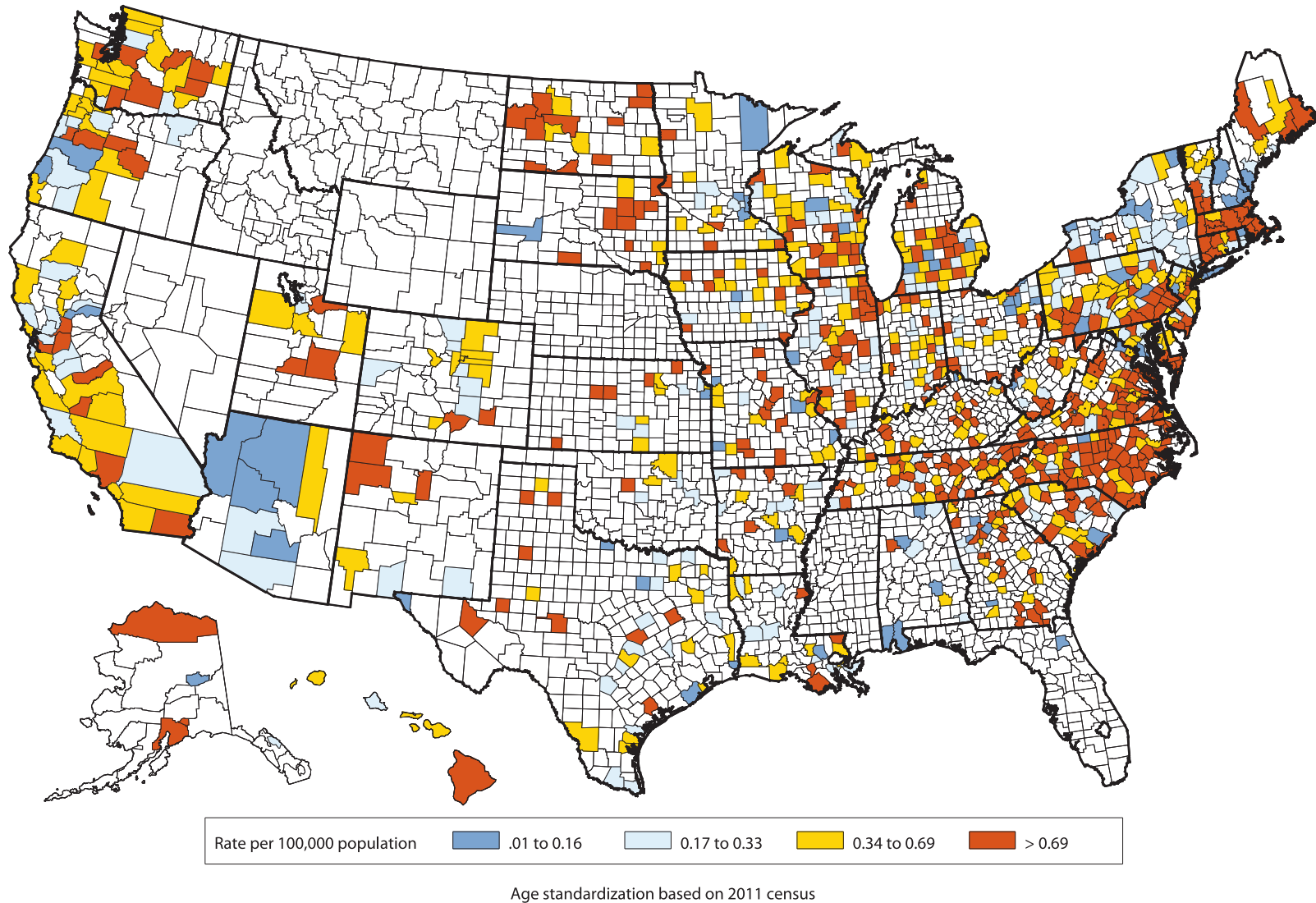
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. H76pt Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



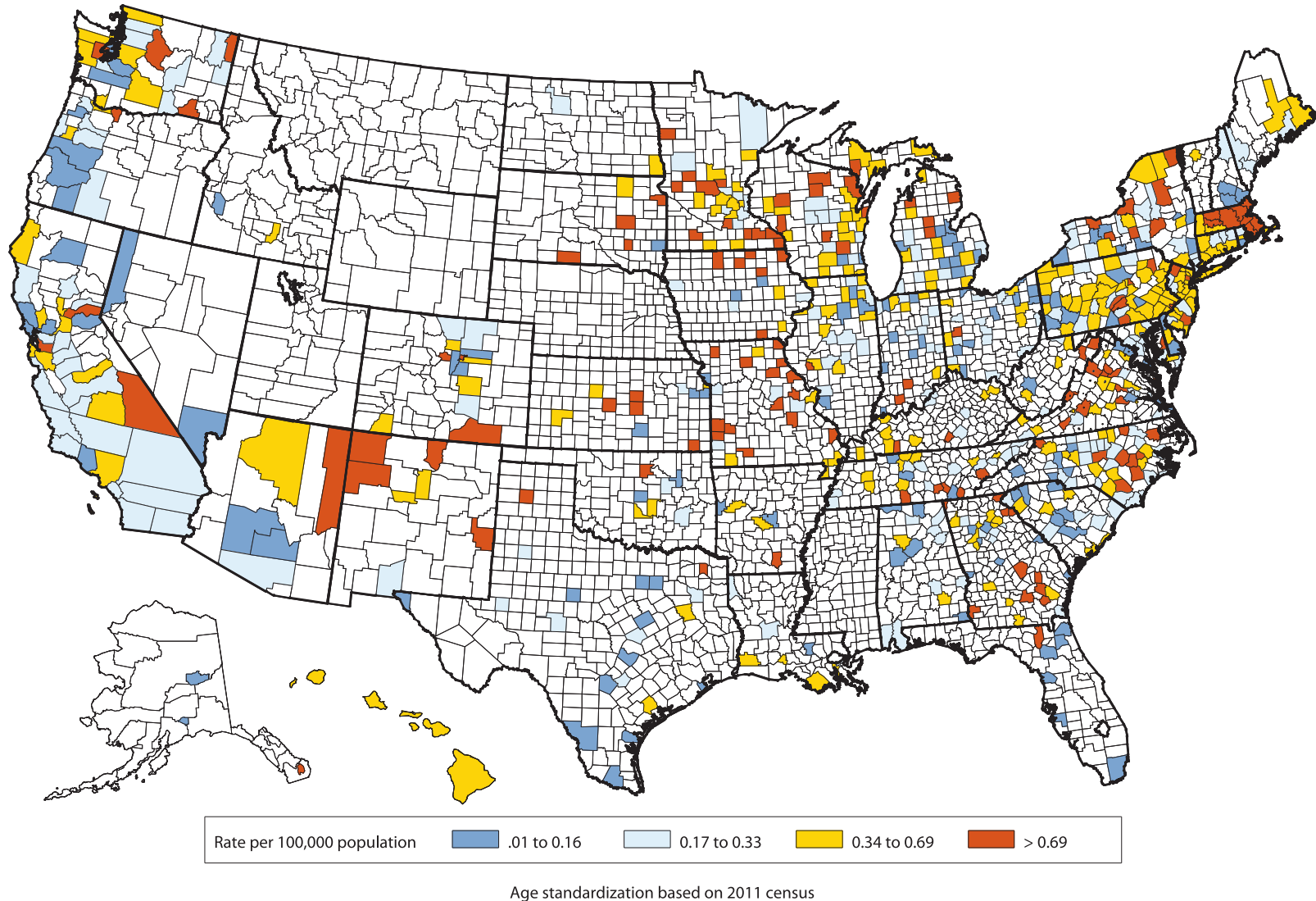
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



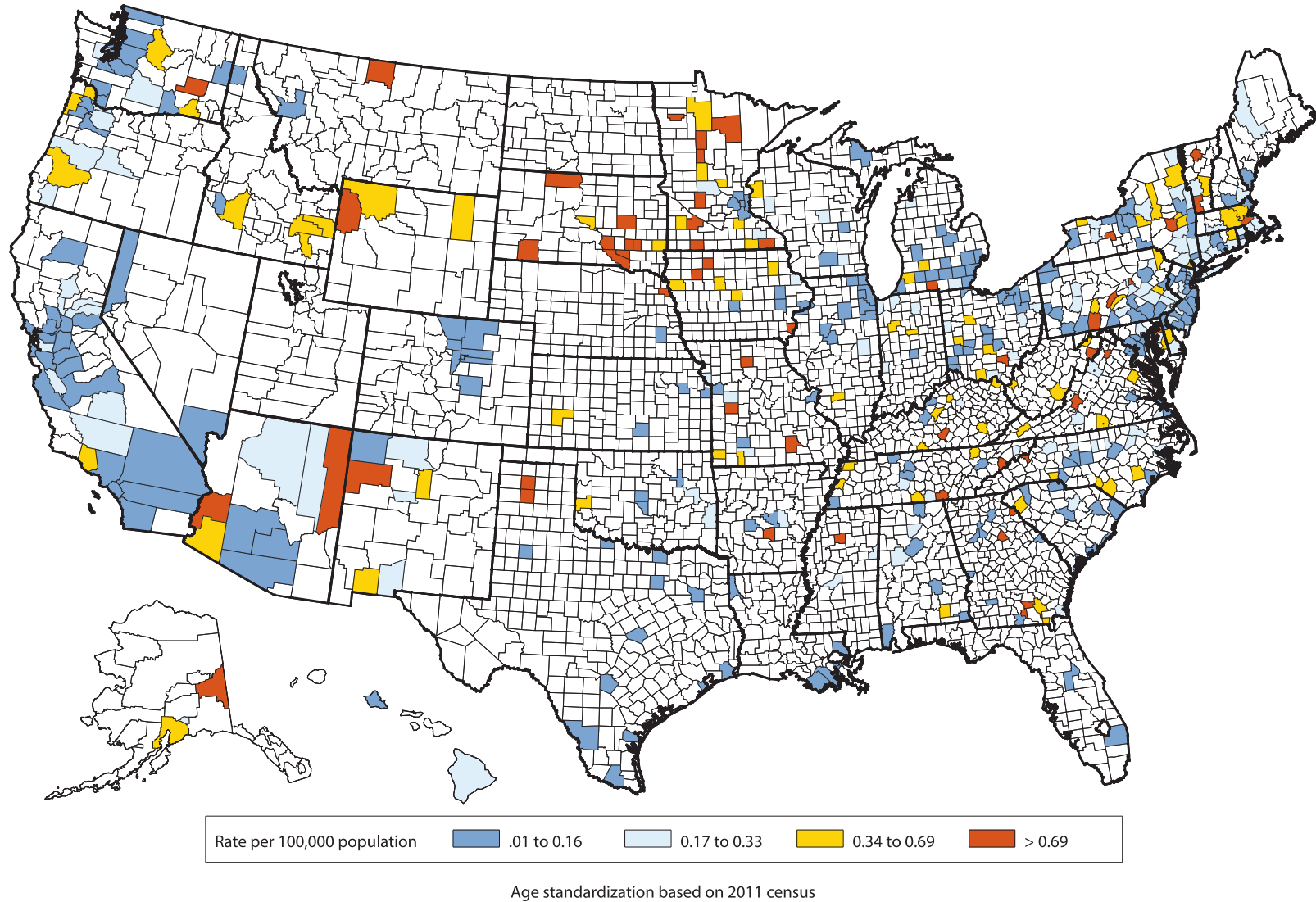
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



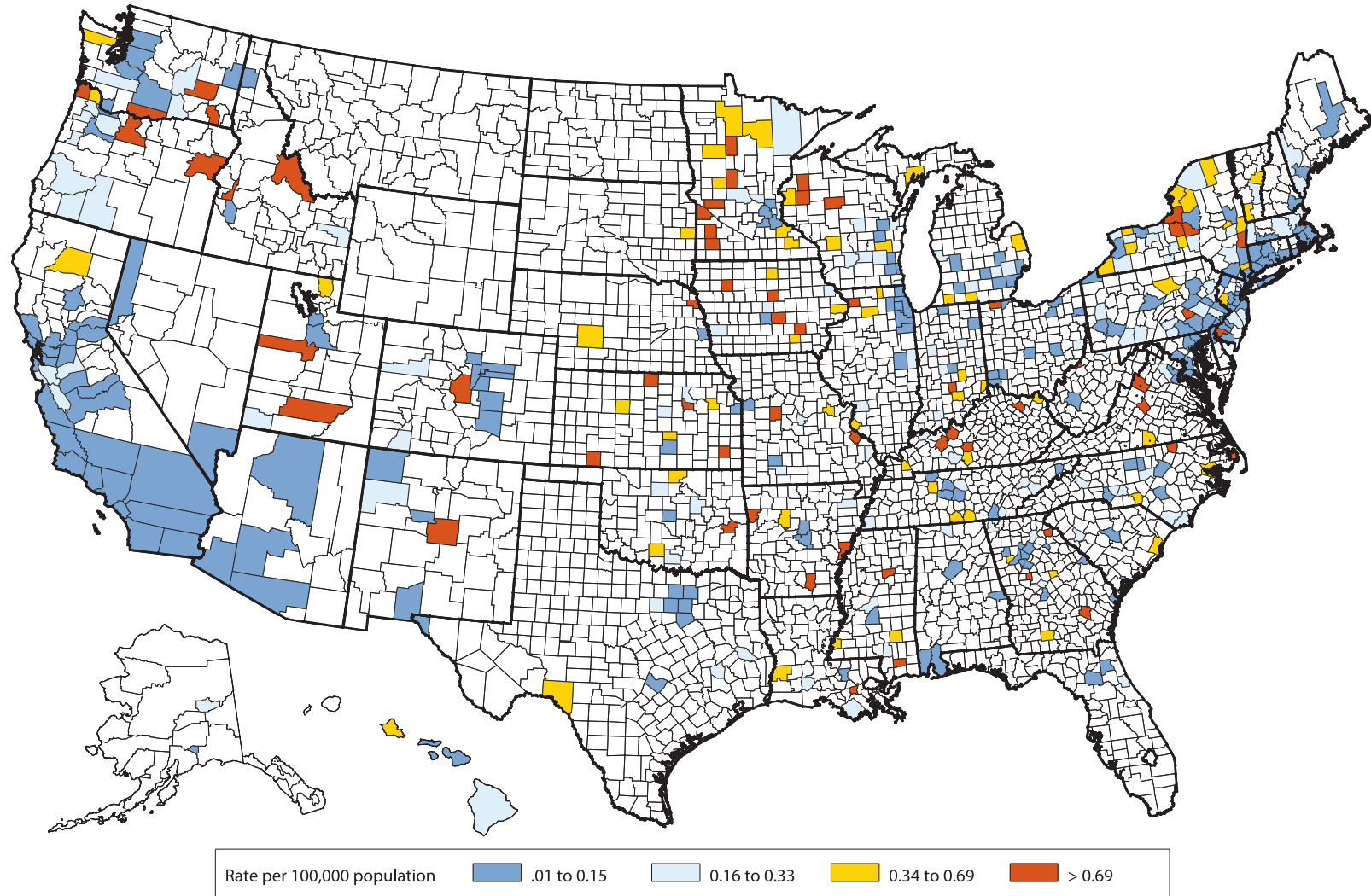
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Heidelberg

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

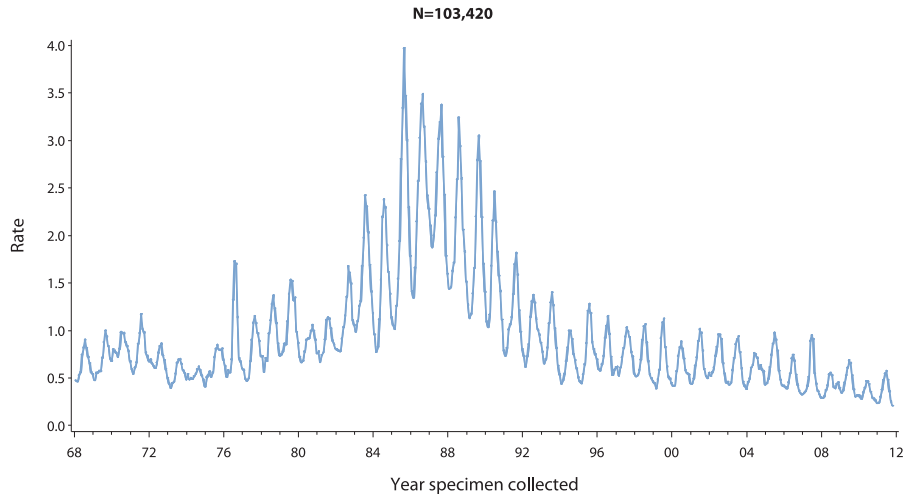


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

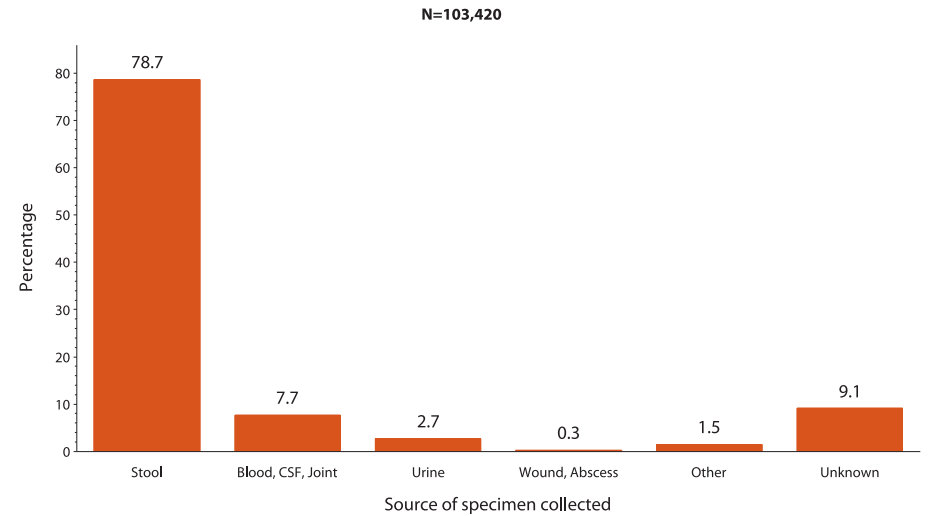


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

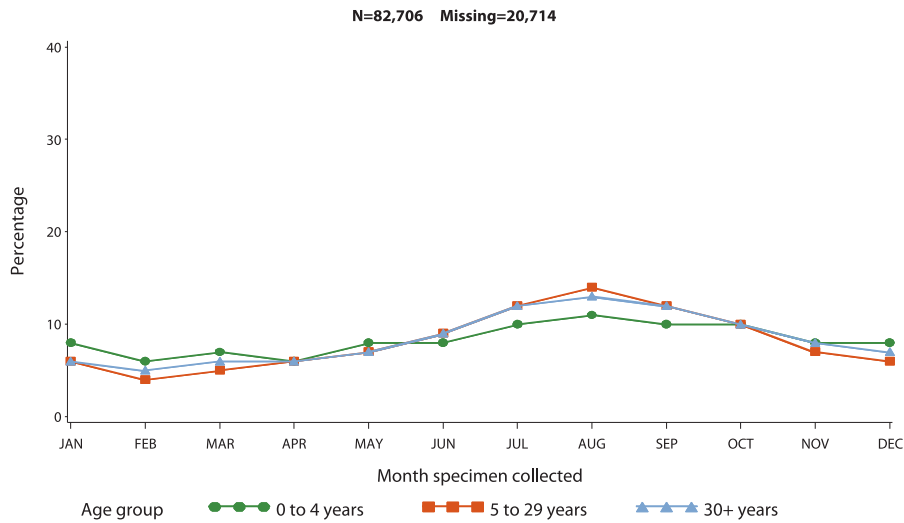
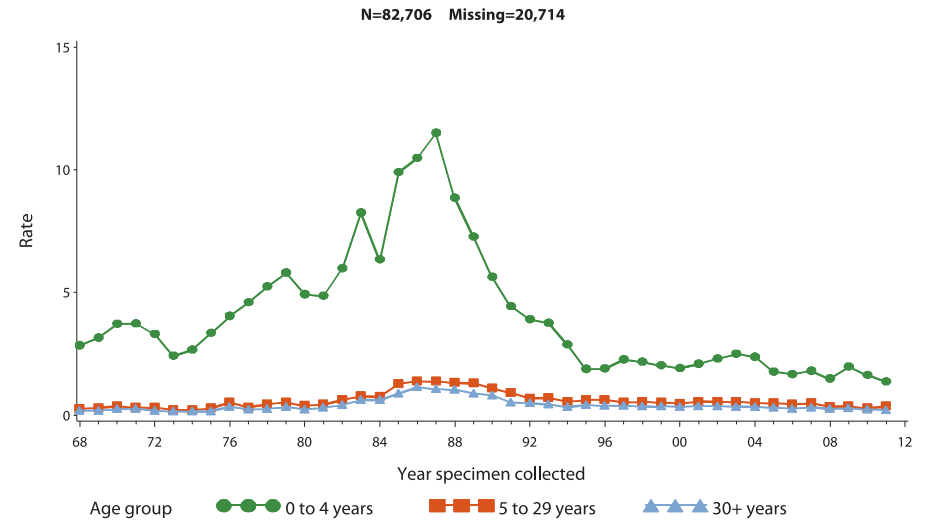


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Heidelberg

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=82,706 Missing=22,619

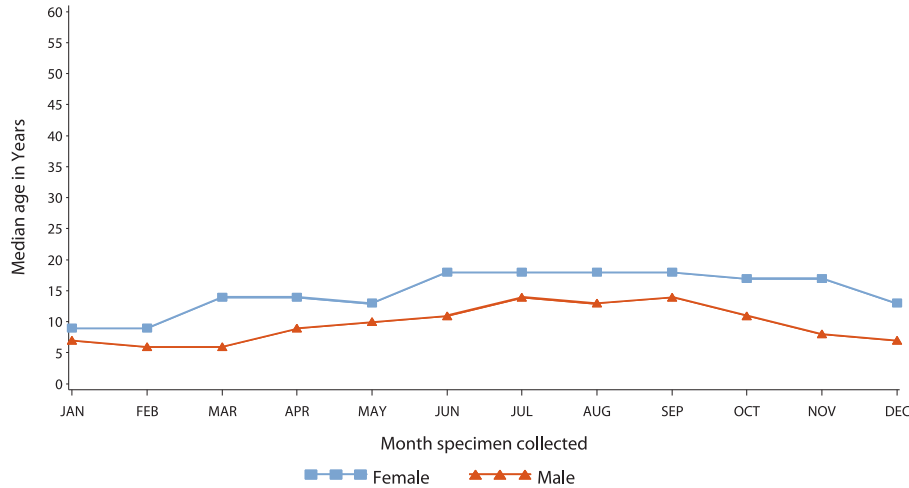


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=82,706 Missing=22,619

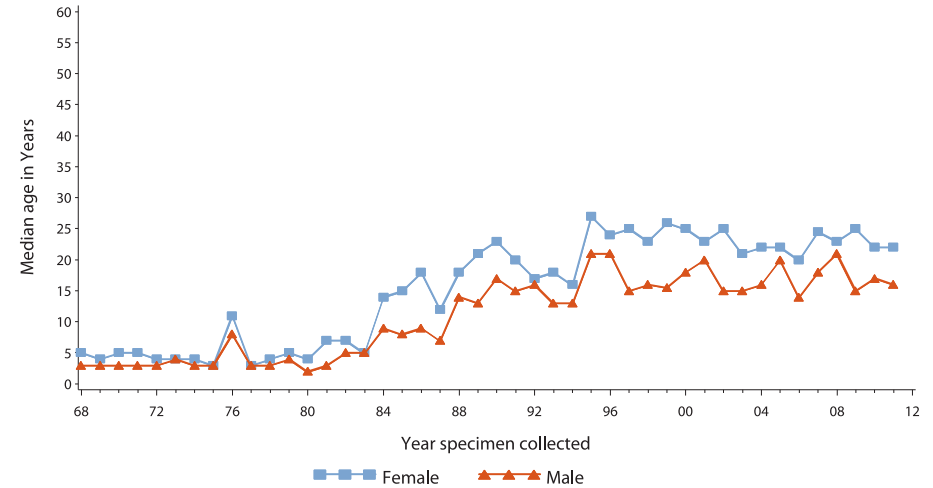


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=82,706 Missing=22,619

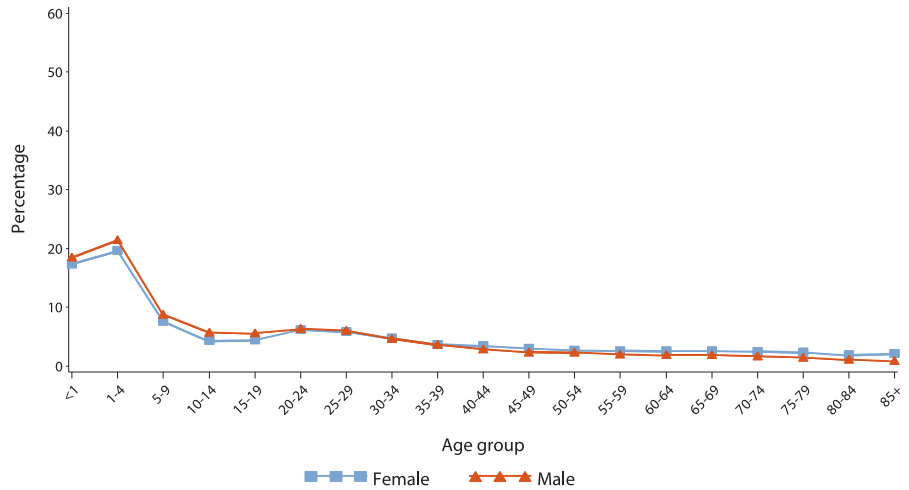


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=52,889

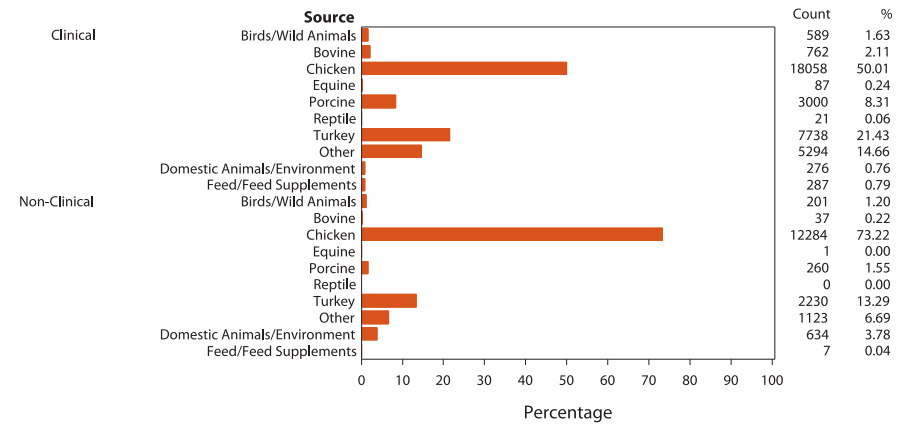
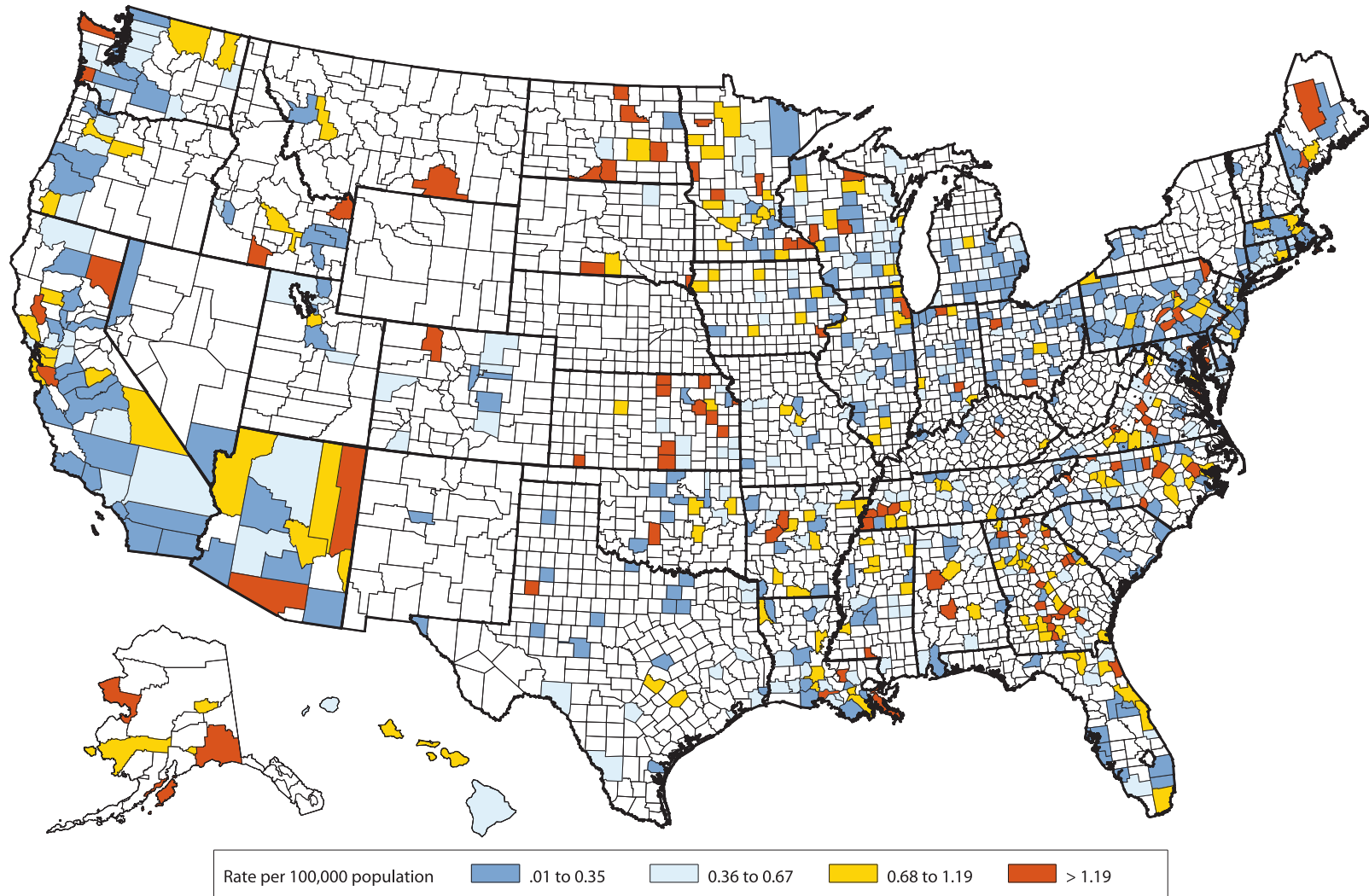


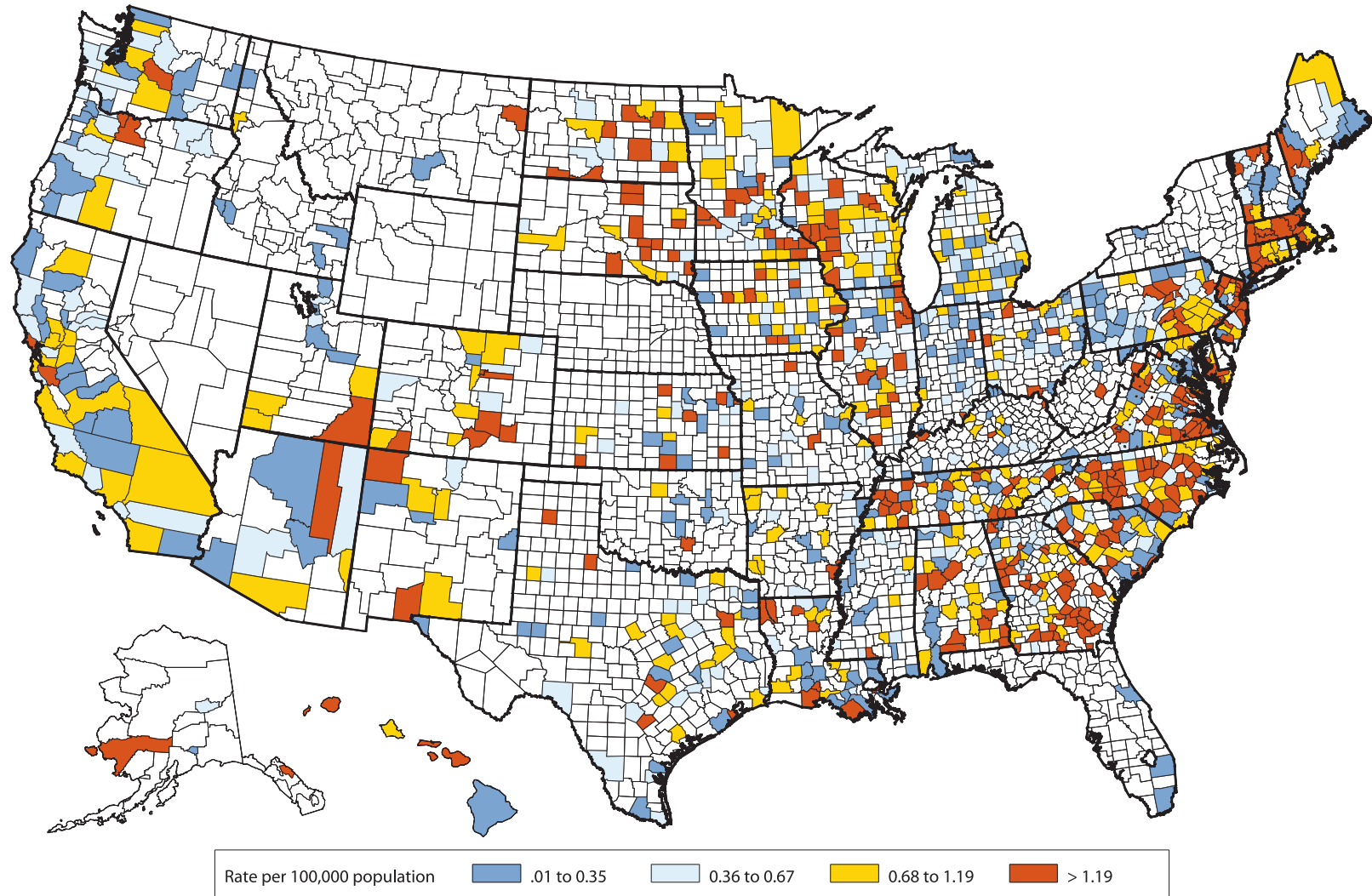
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

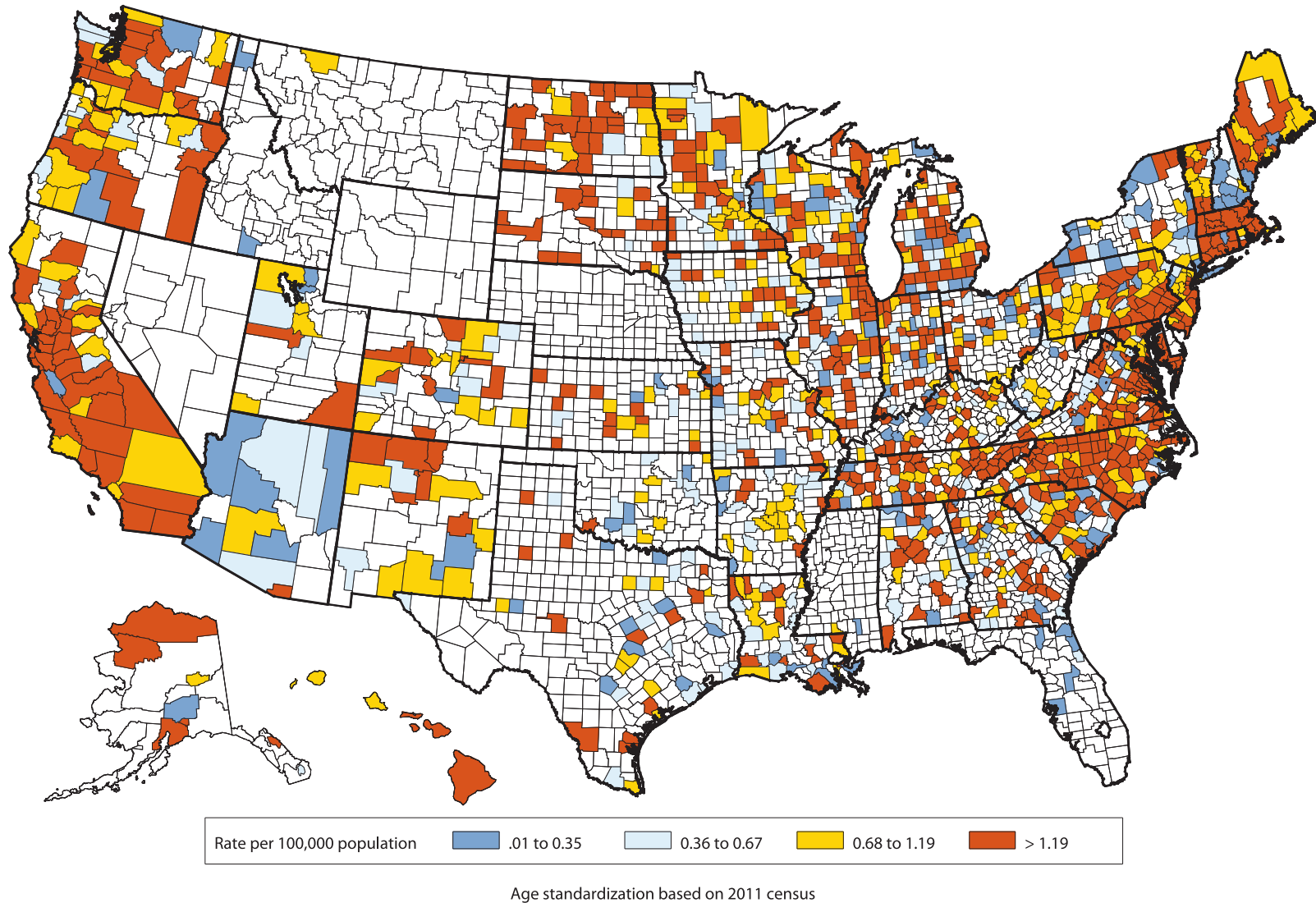
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

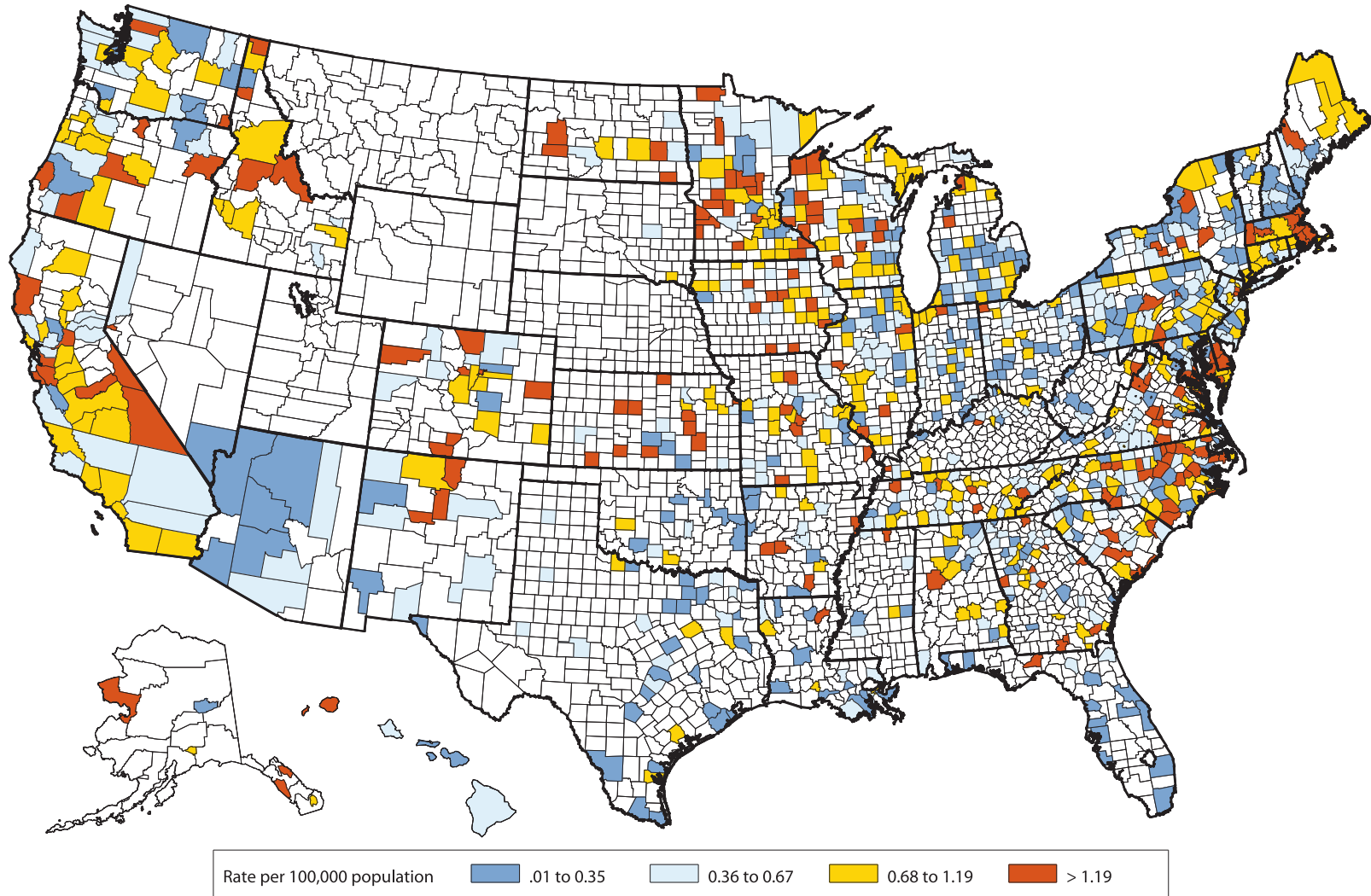
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

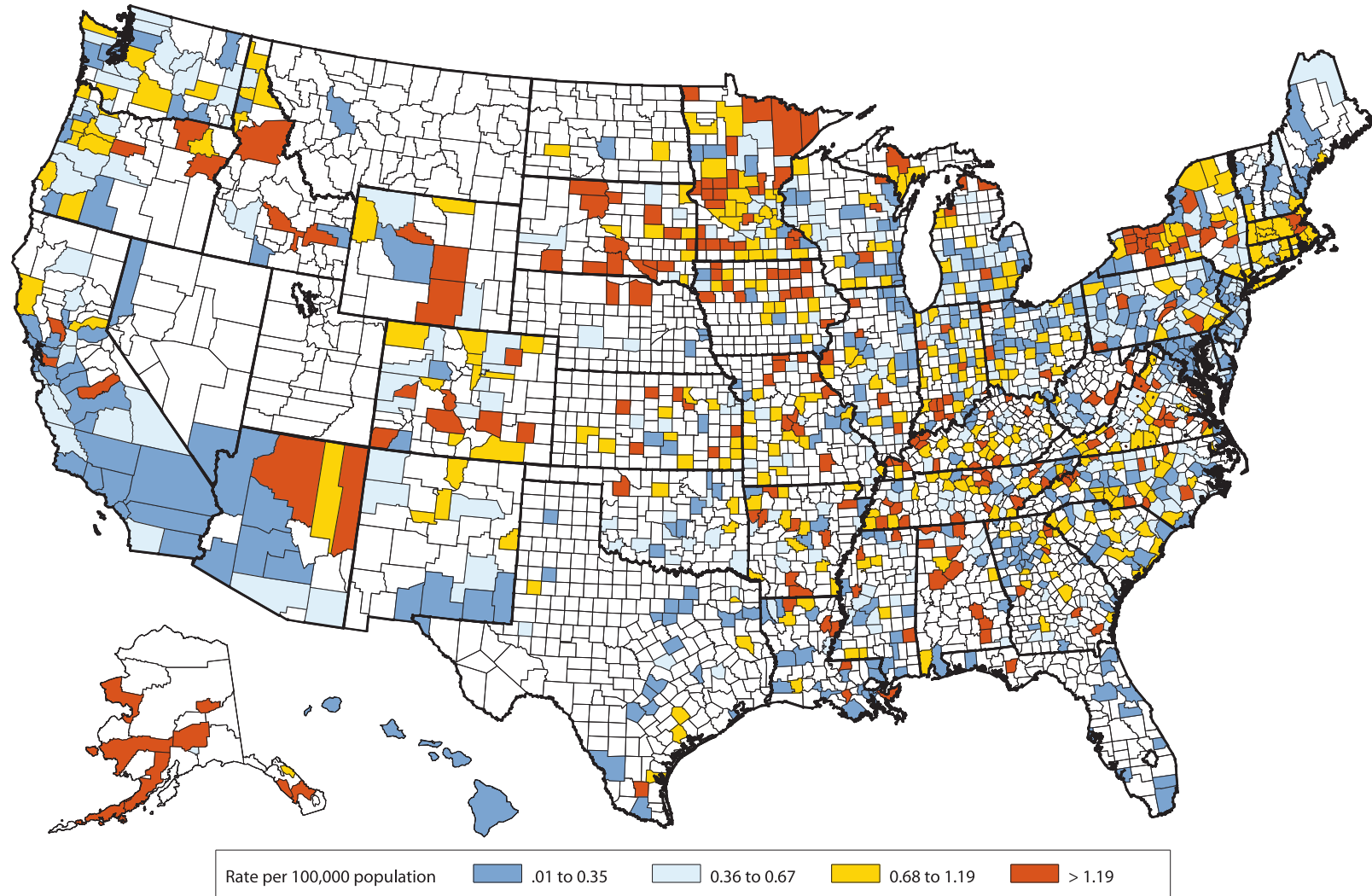
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

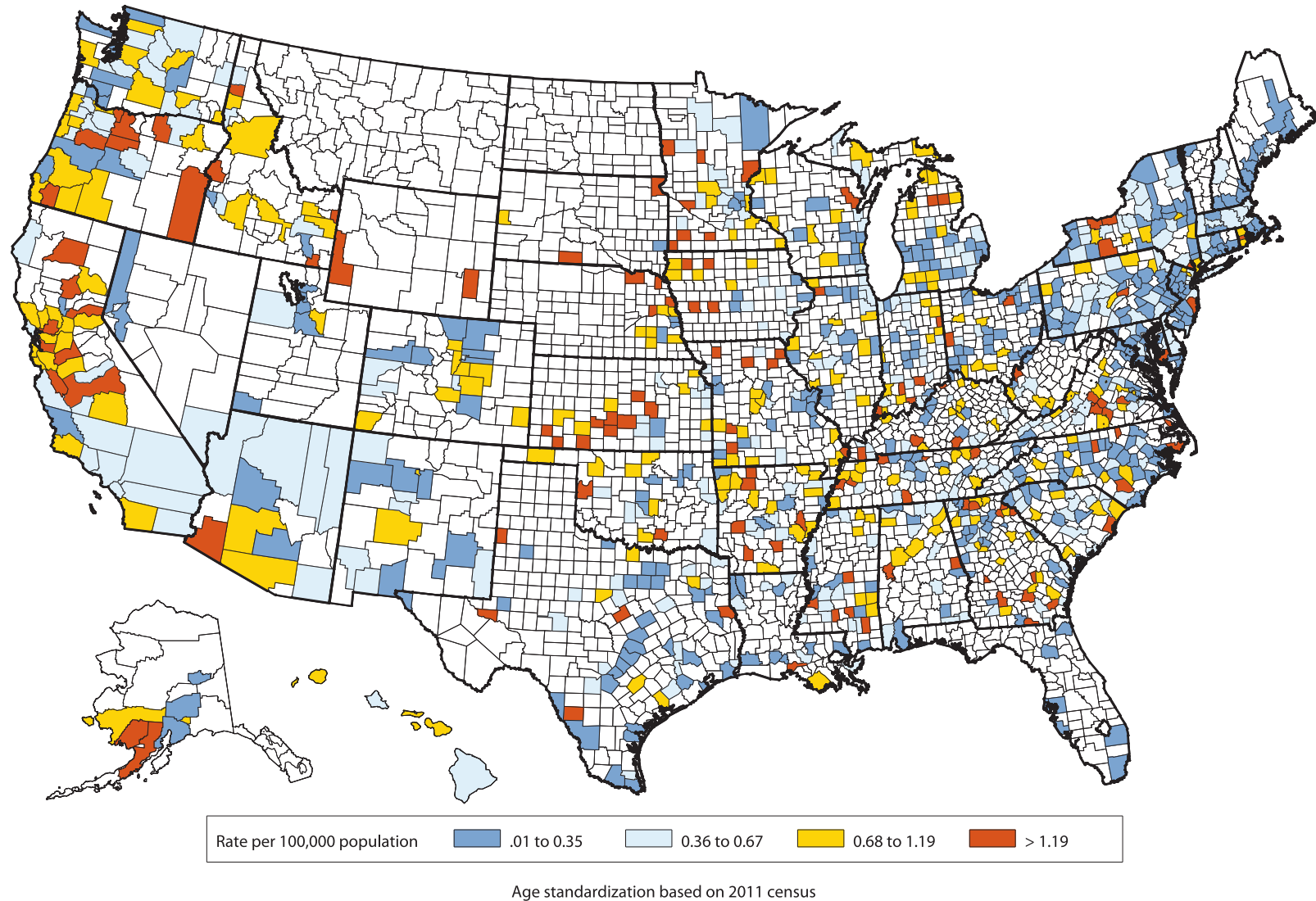
Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype I 4,[5],12:i:-

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

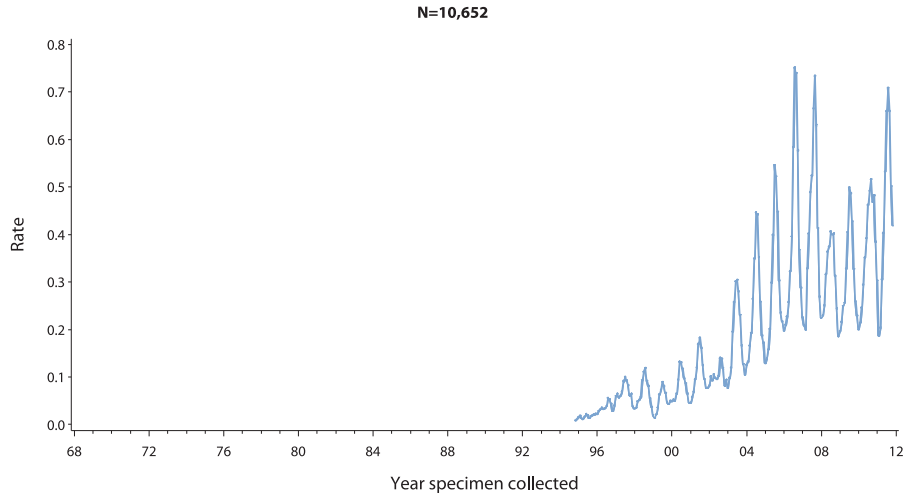


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

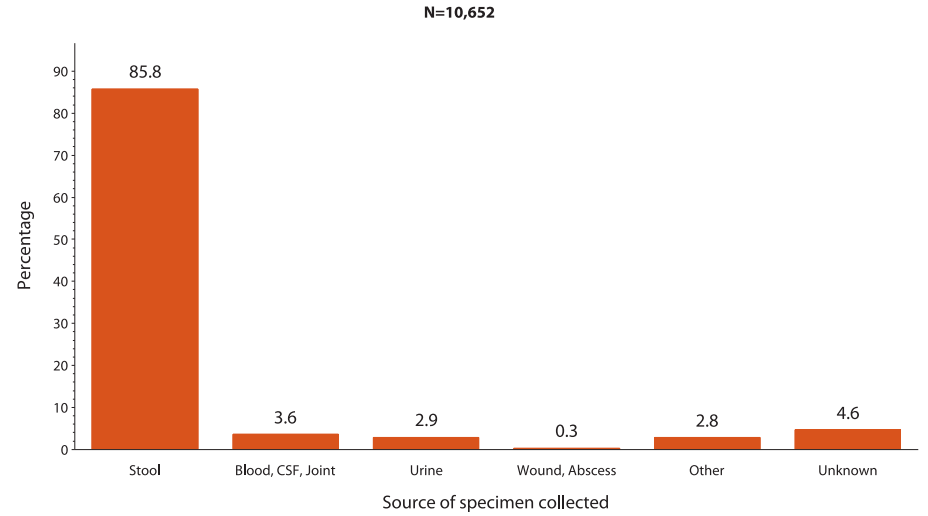


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

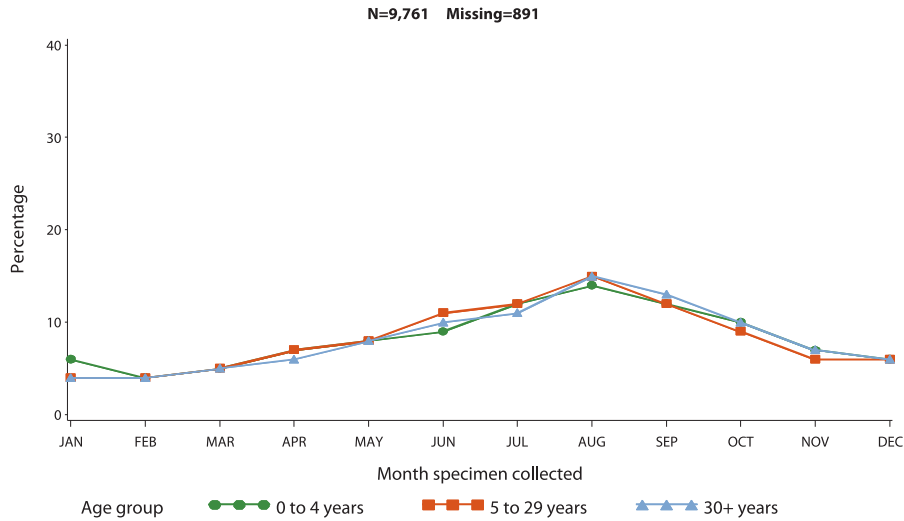
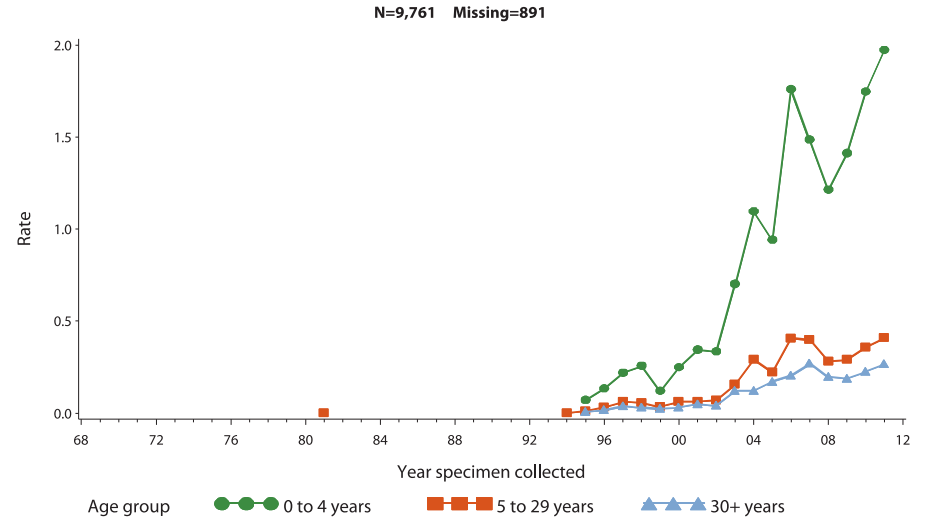


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype I 4,[5],12:i:-

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=9,761 Missing=1,318

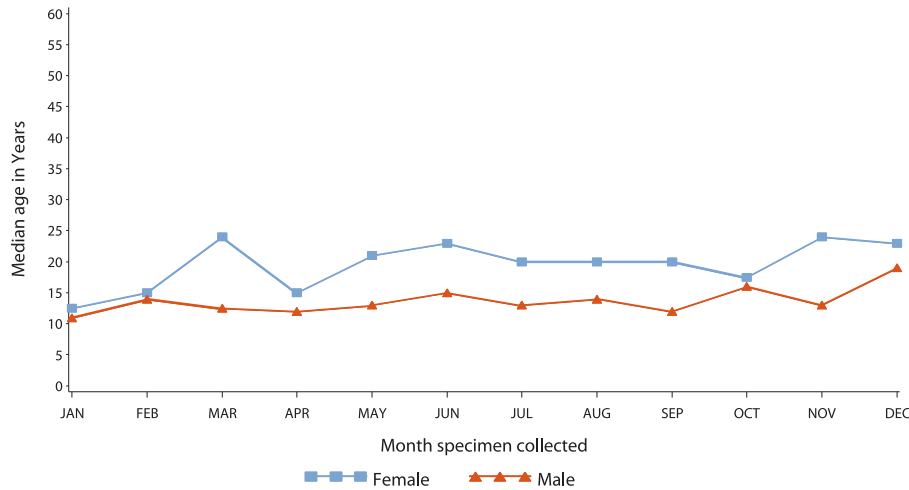


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=9,761 Missing=1,318

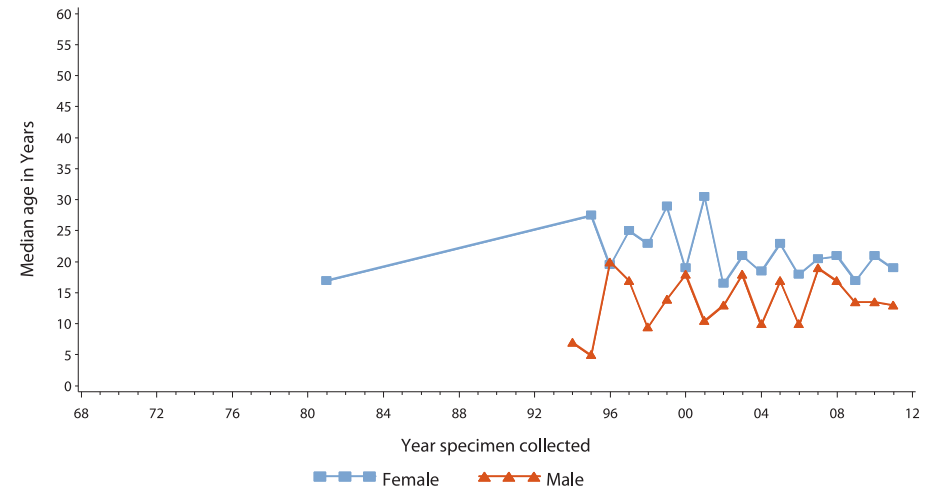


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=9,761 Missing=1,318

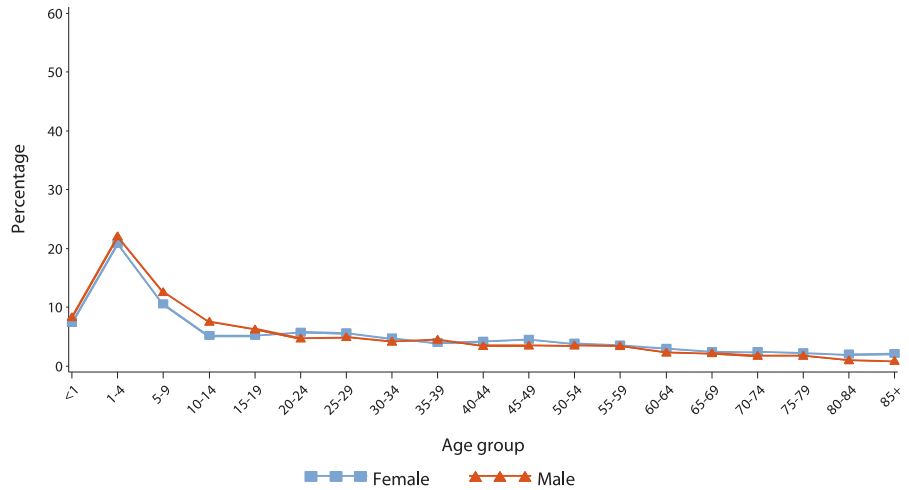


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=2,518

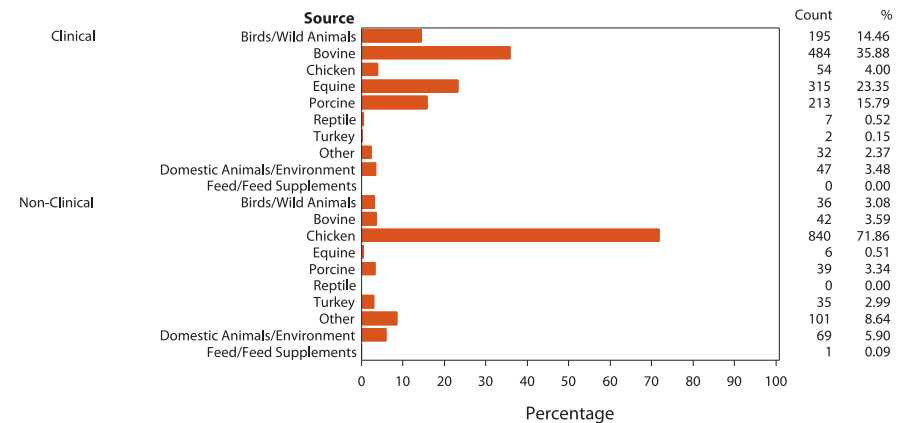
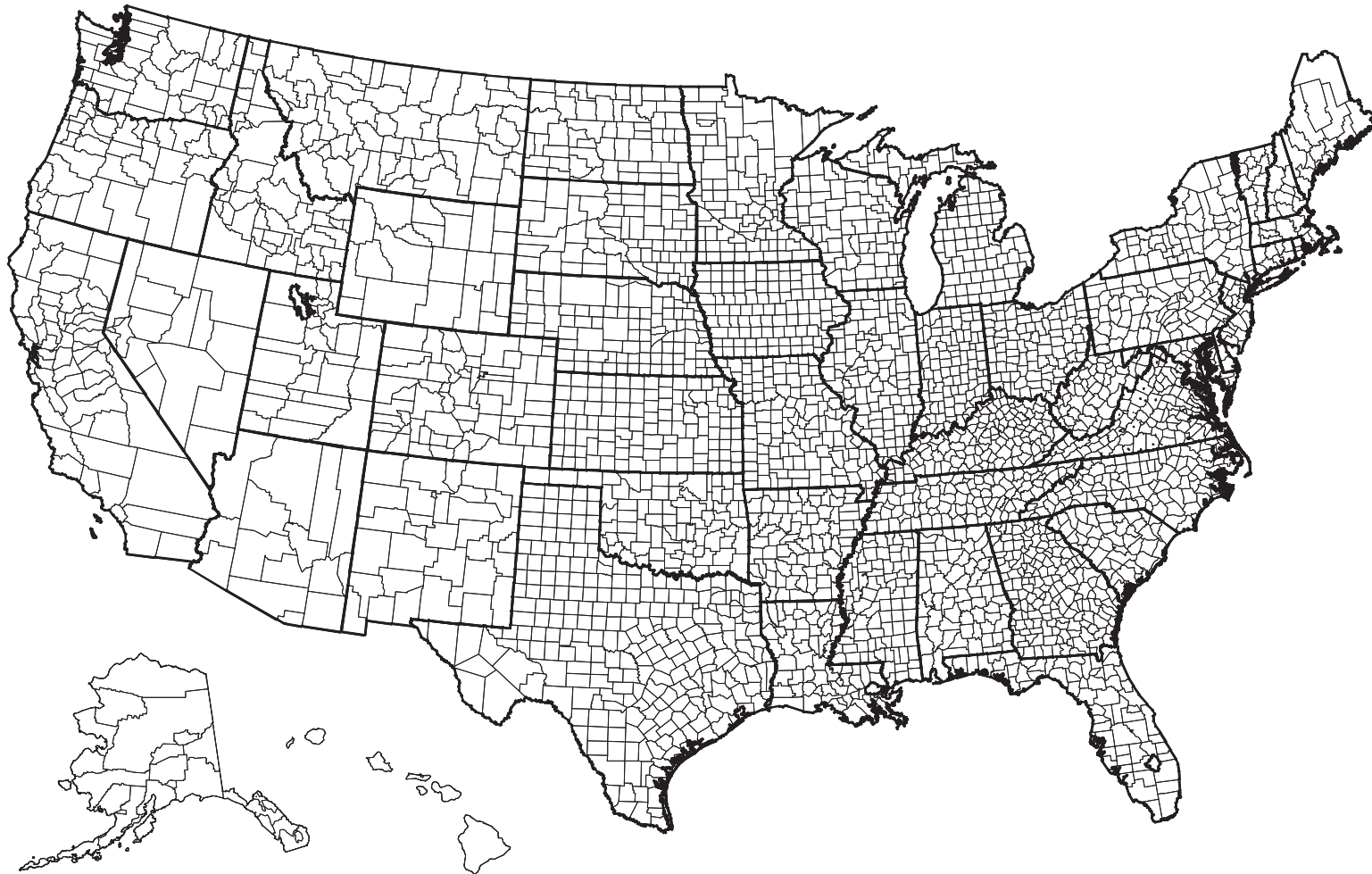


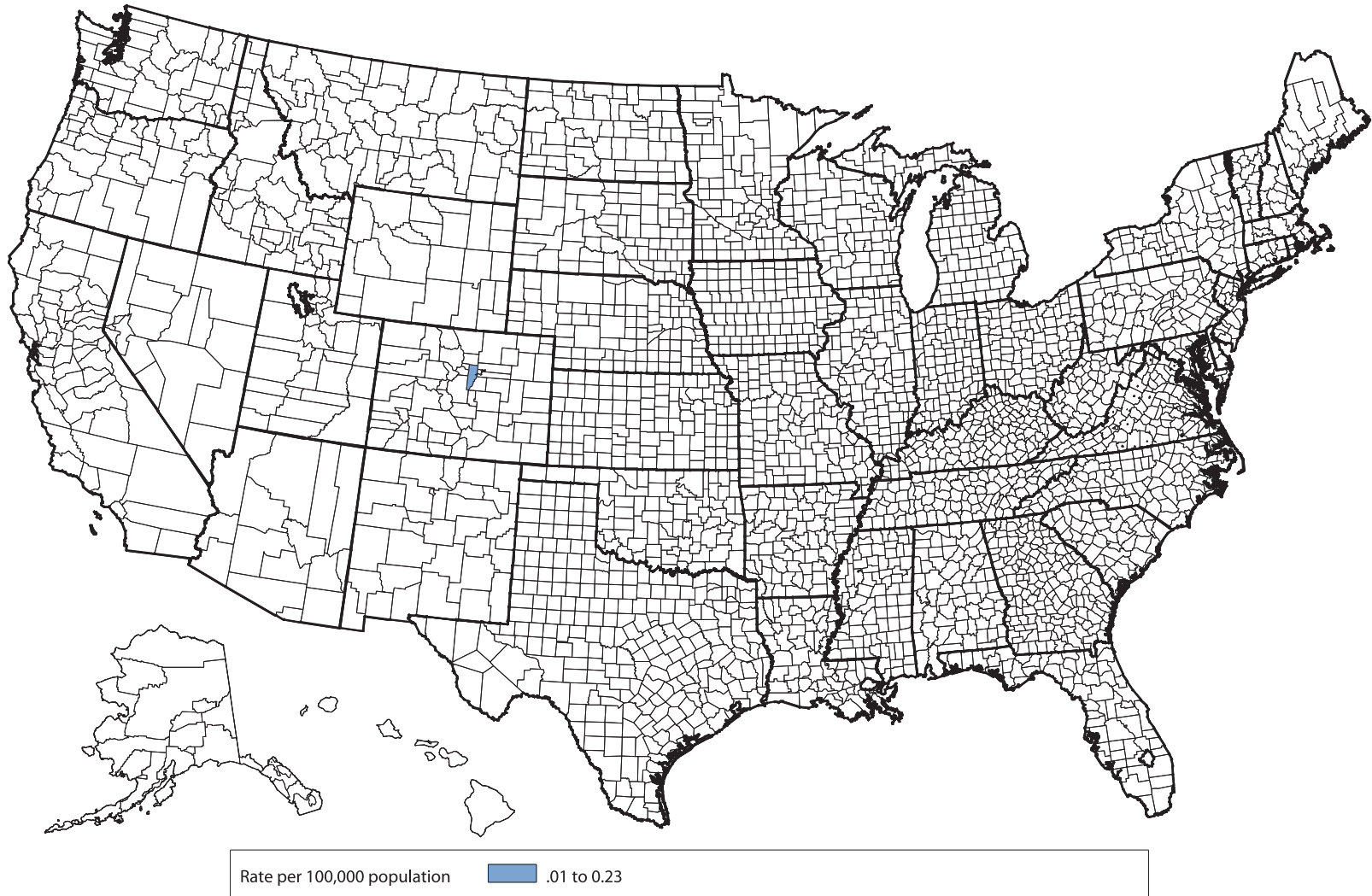
Figure 09 - Age standardized rates per 100,000 of reported isolates by county, 1968 to 1975



*** No isolates reported during this time period ***

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. H76pt Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

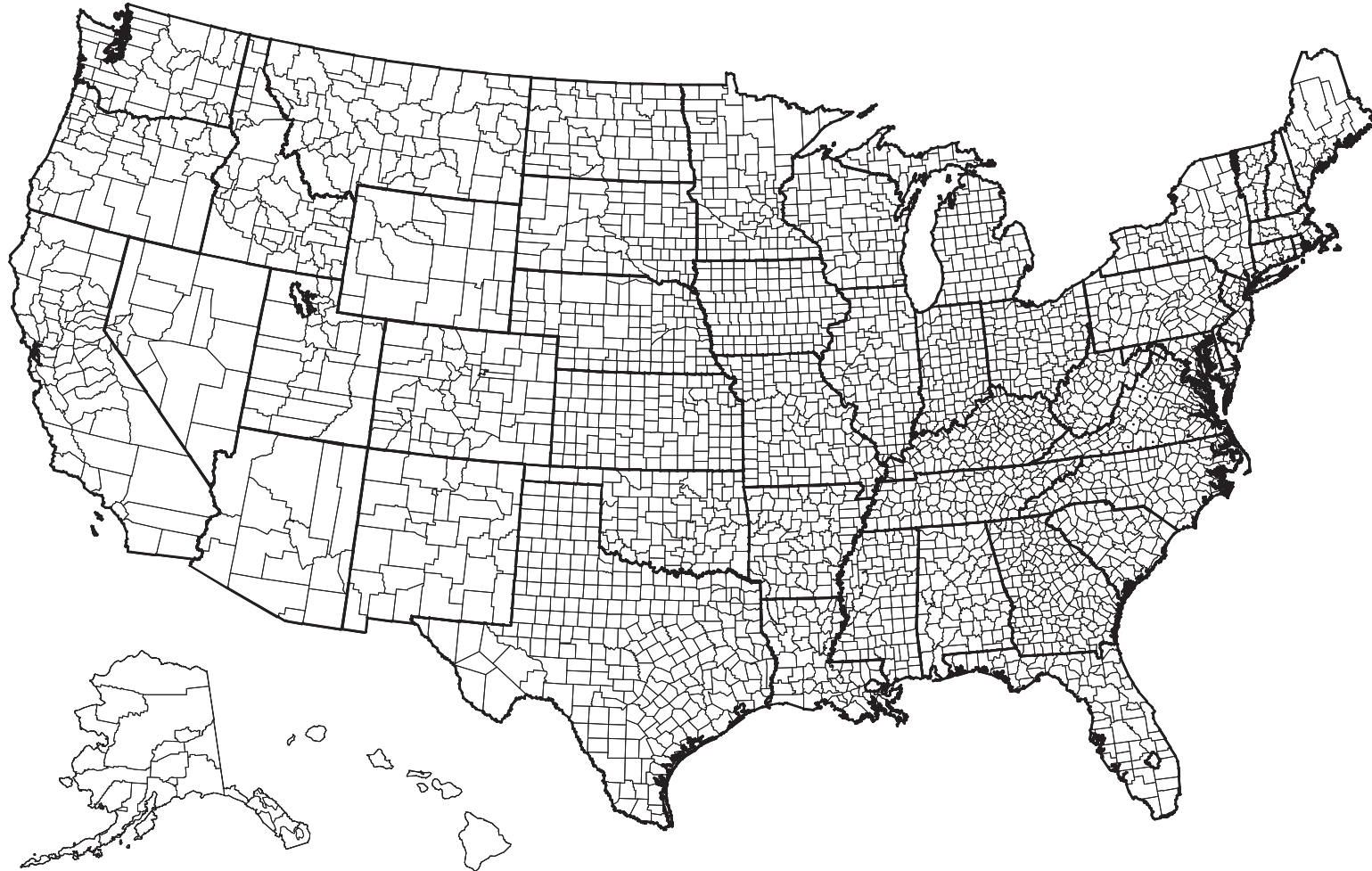
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

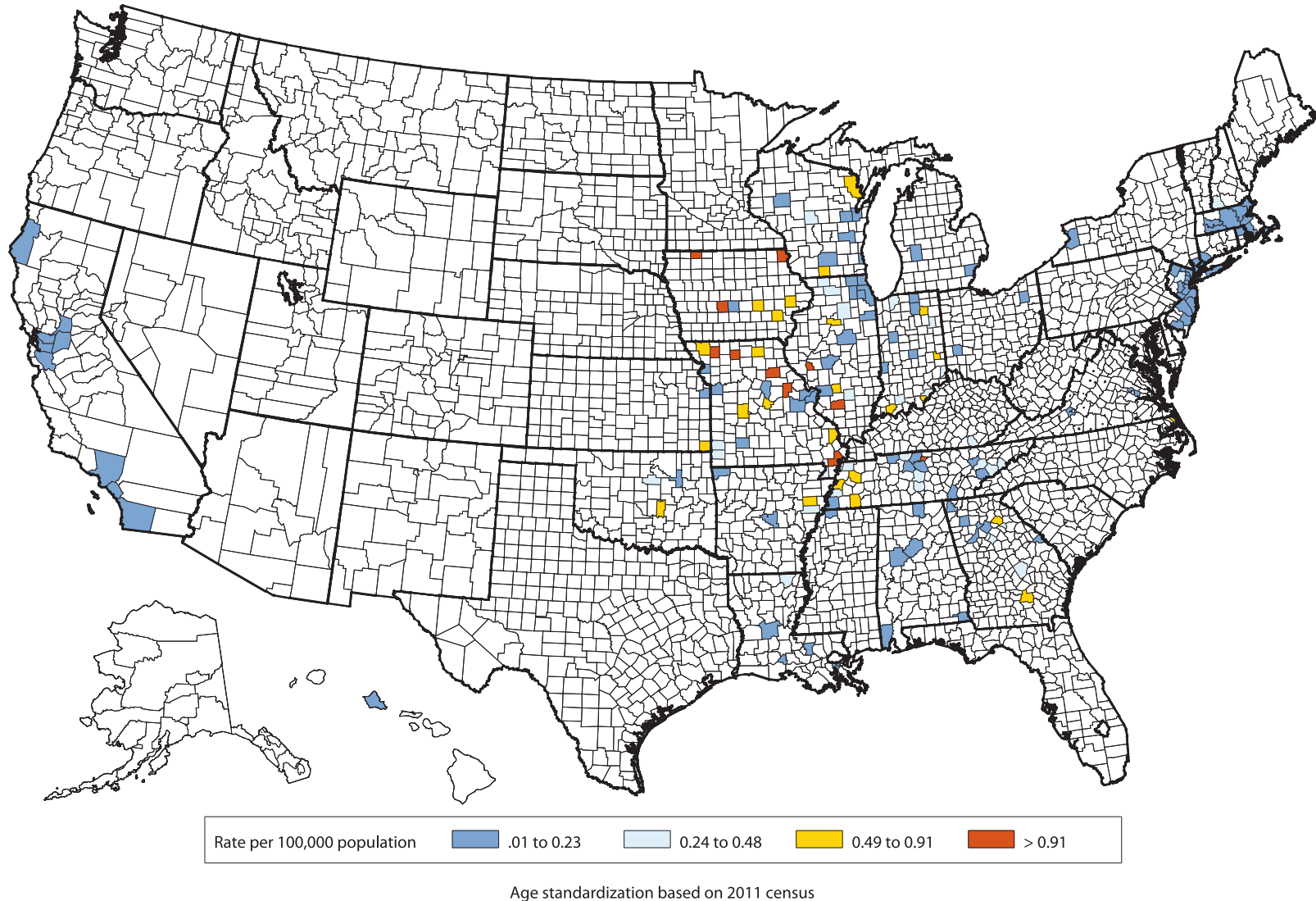
Figure 11 - Age standardized rates per 100,000 of reported isolates by county, 1984 to 1991



*** No isolates reported during this time period ***

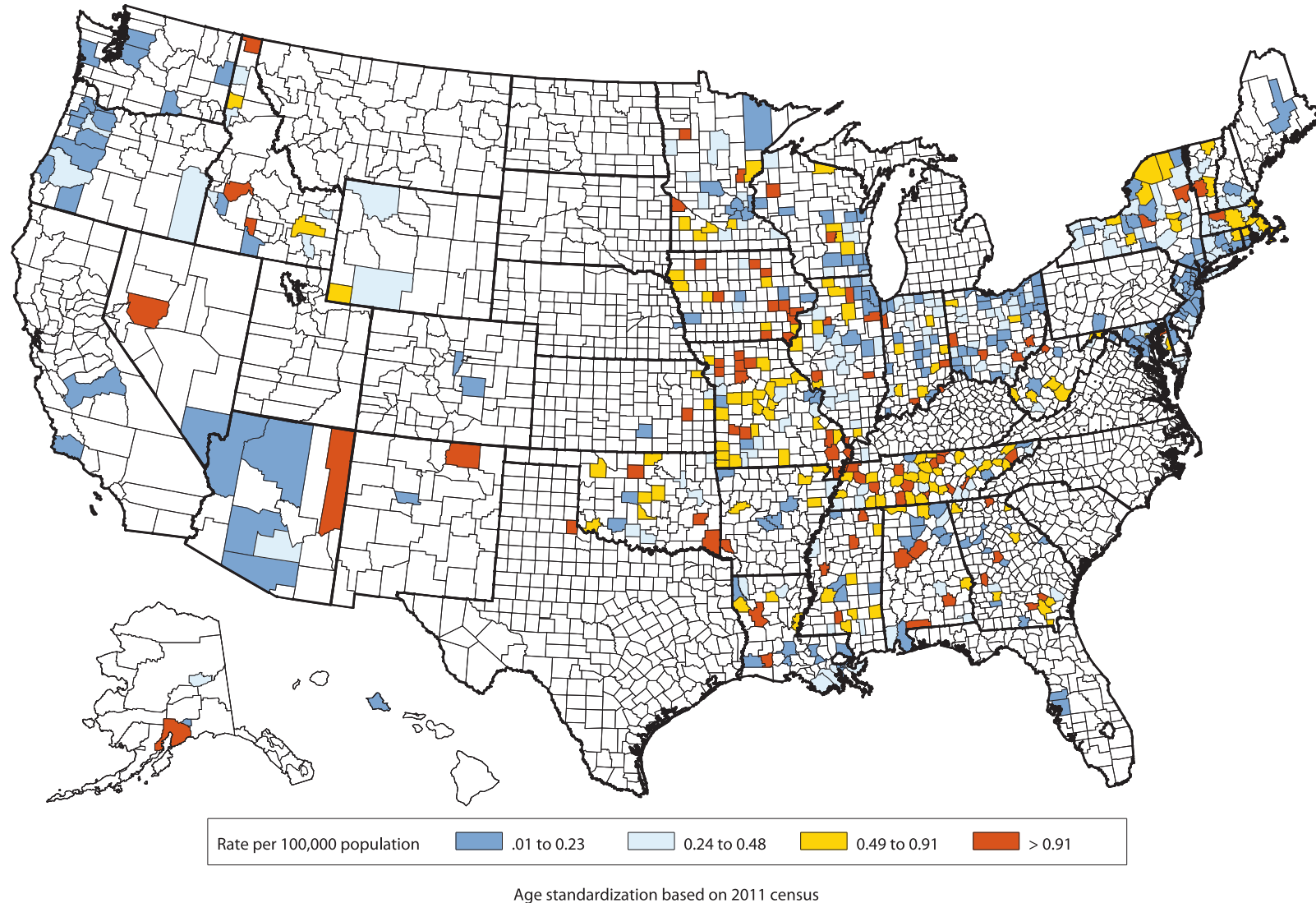
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. H76pt Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



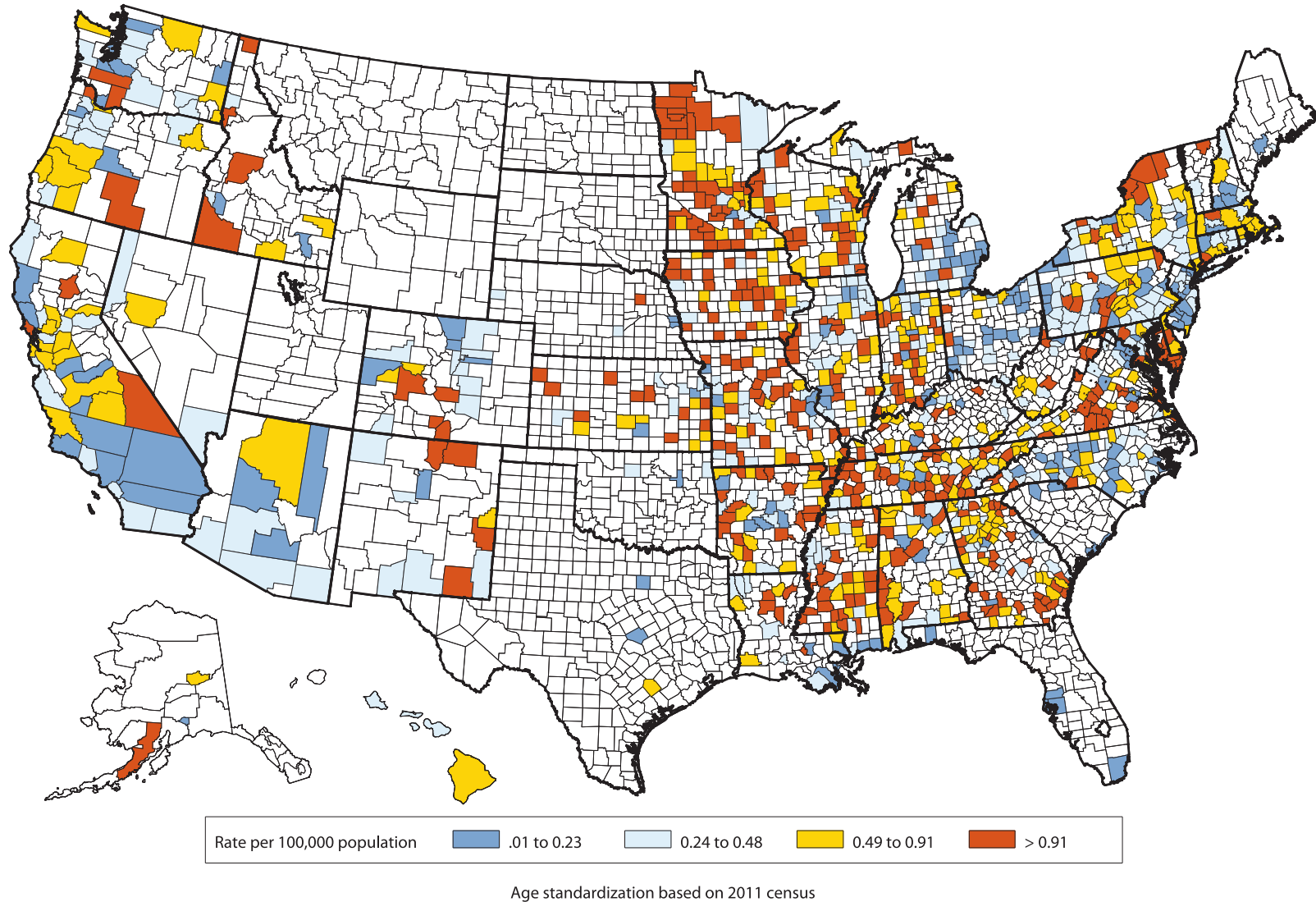
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Infantis

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

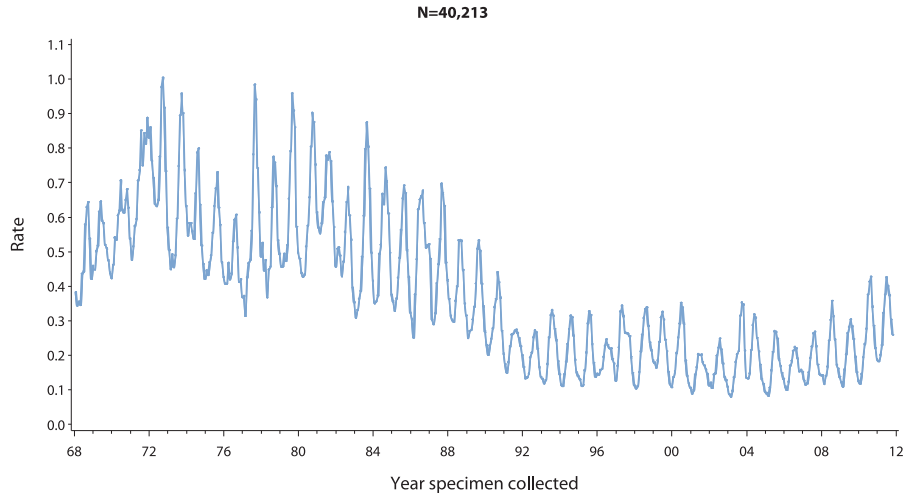


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

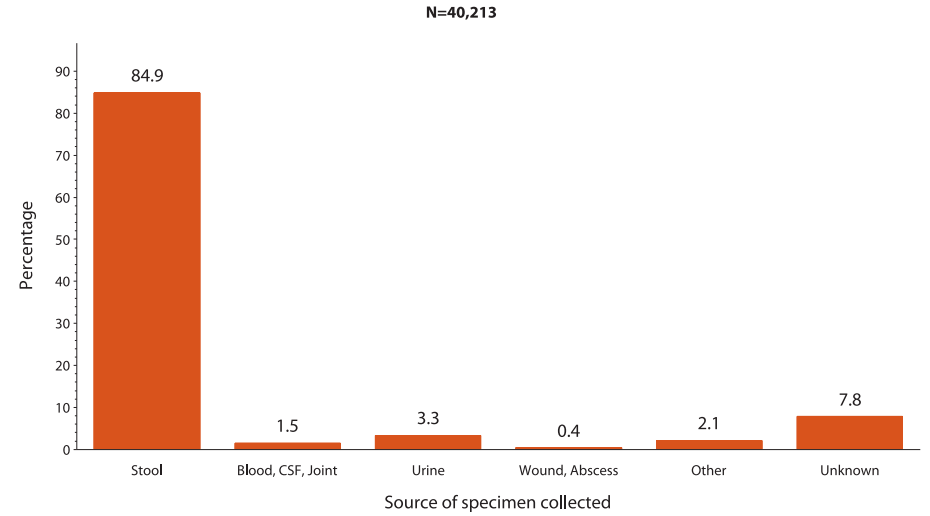


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

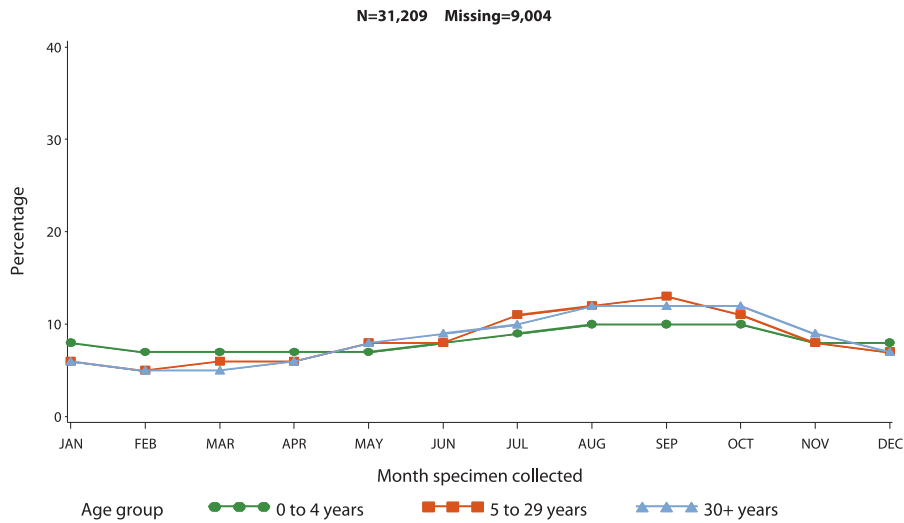
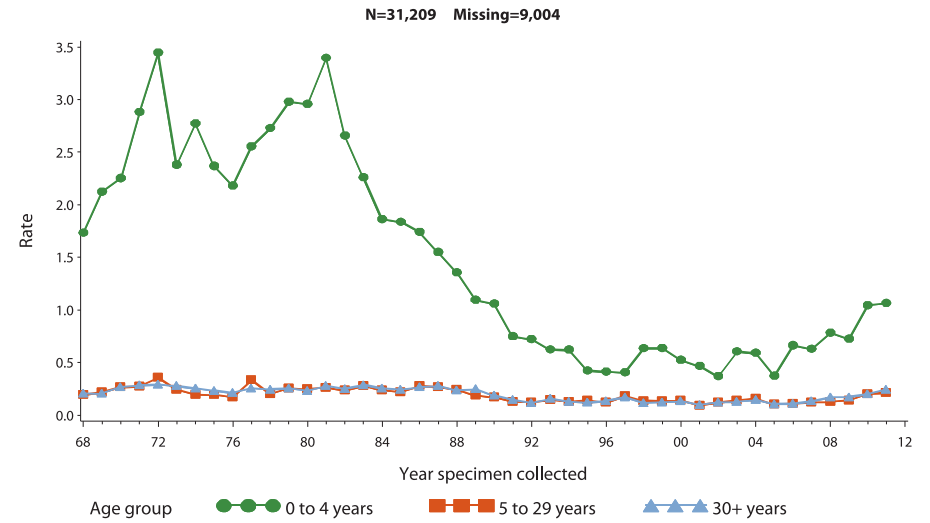


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Infantis

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=31,209 Missing=9,522

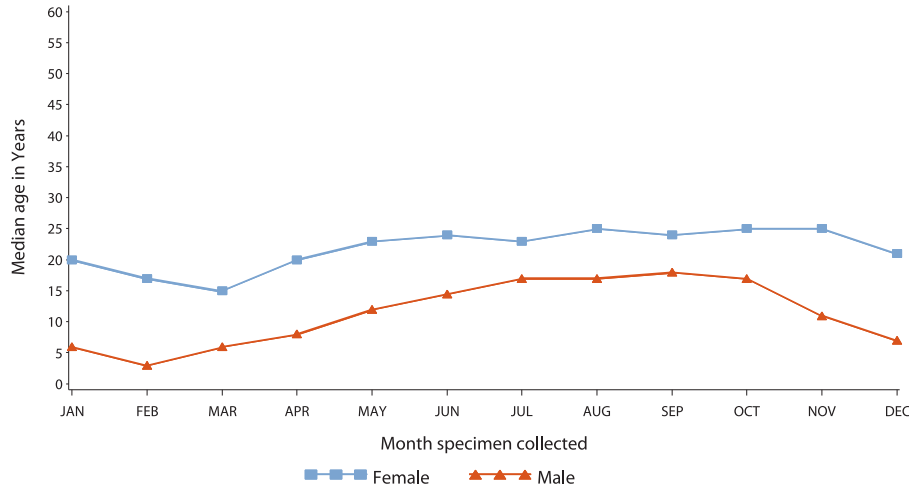


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=31,209 Missing=9,522

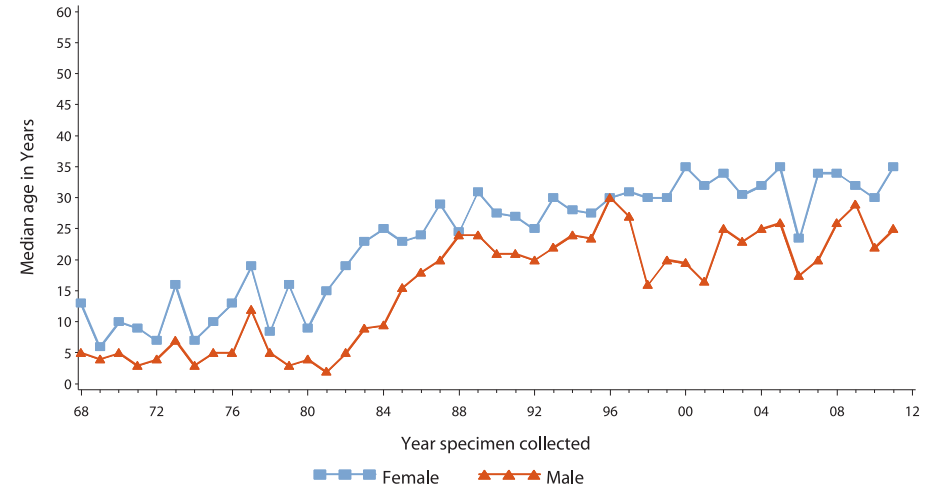


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=31,209 Missing=9,522

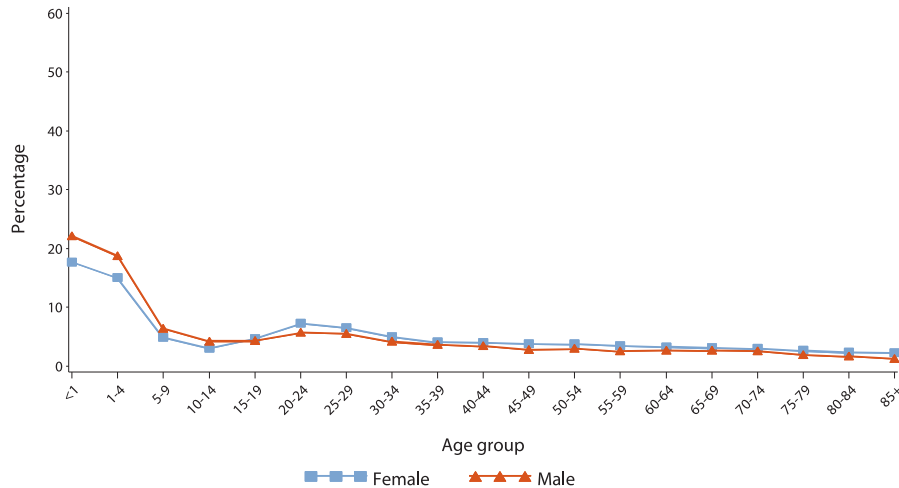


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=9,903

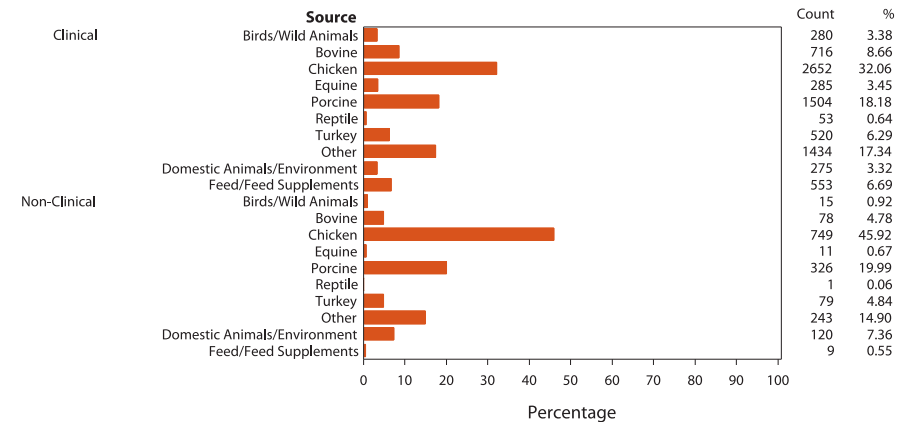
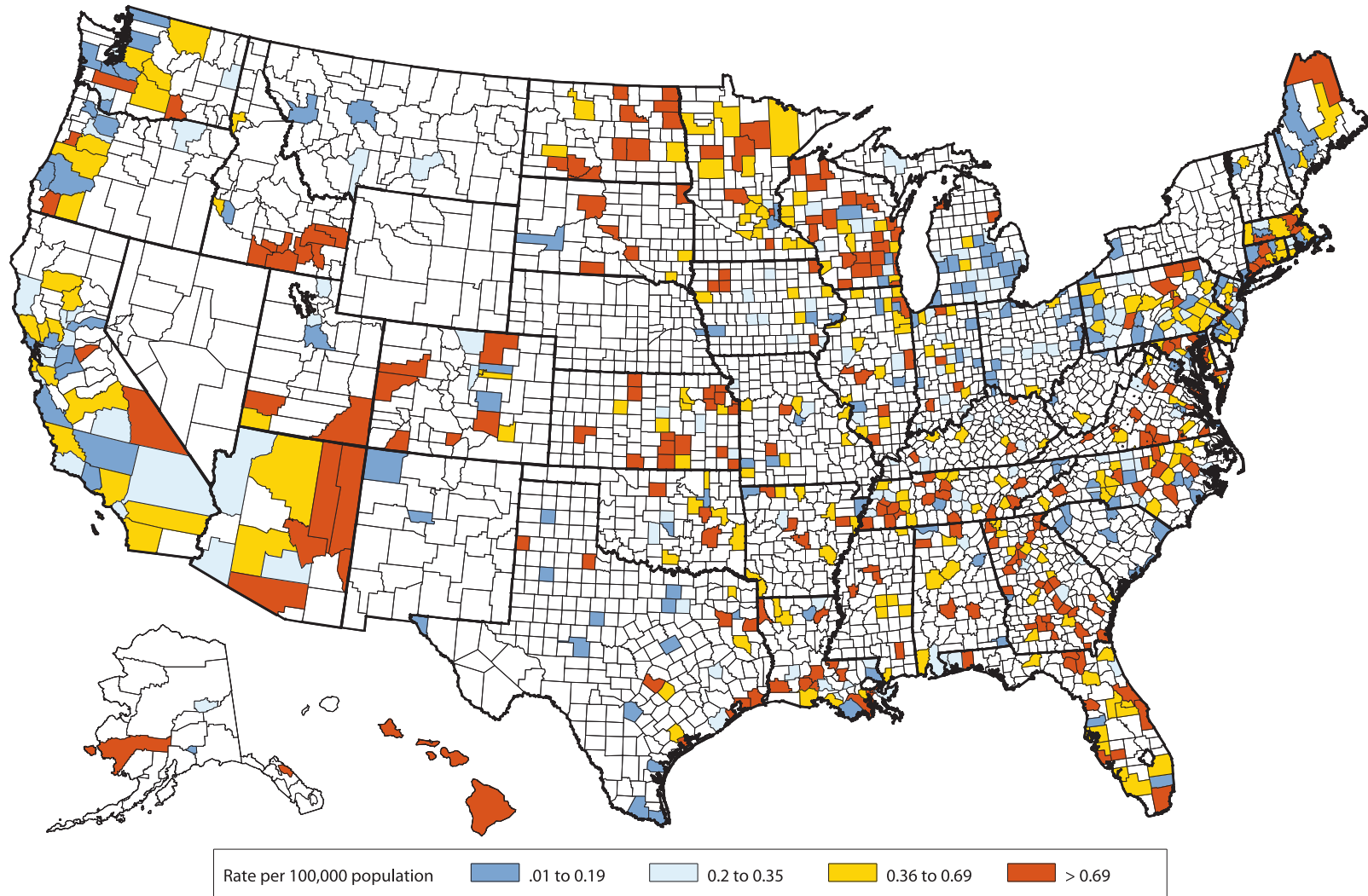


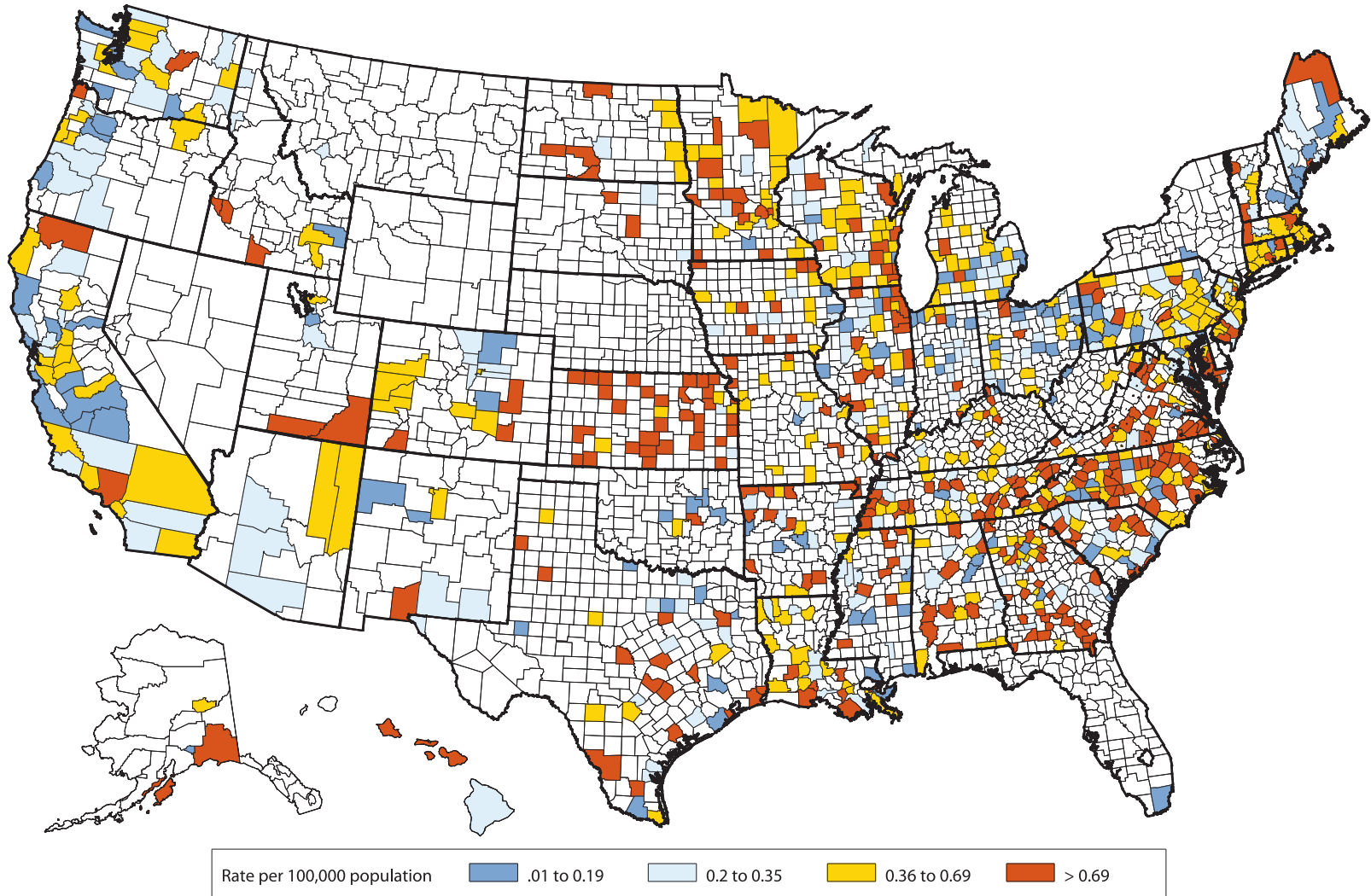
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

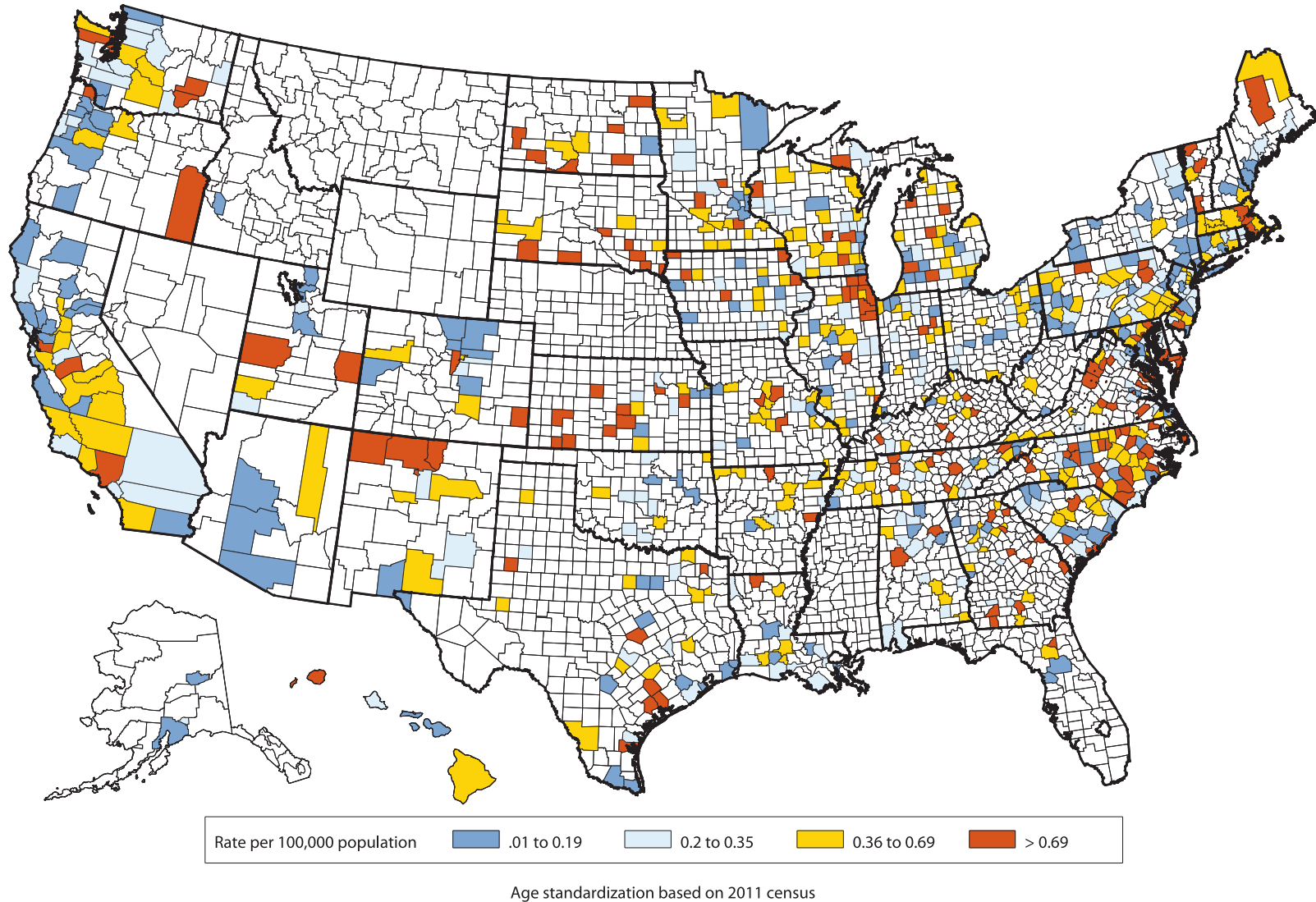
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

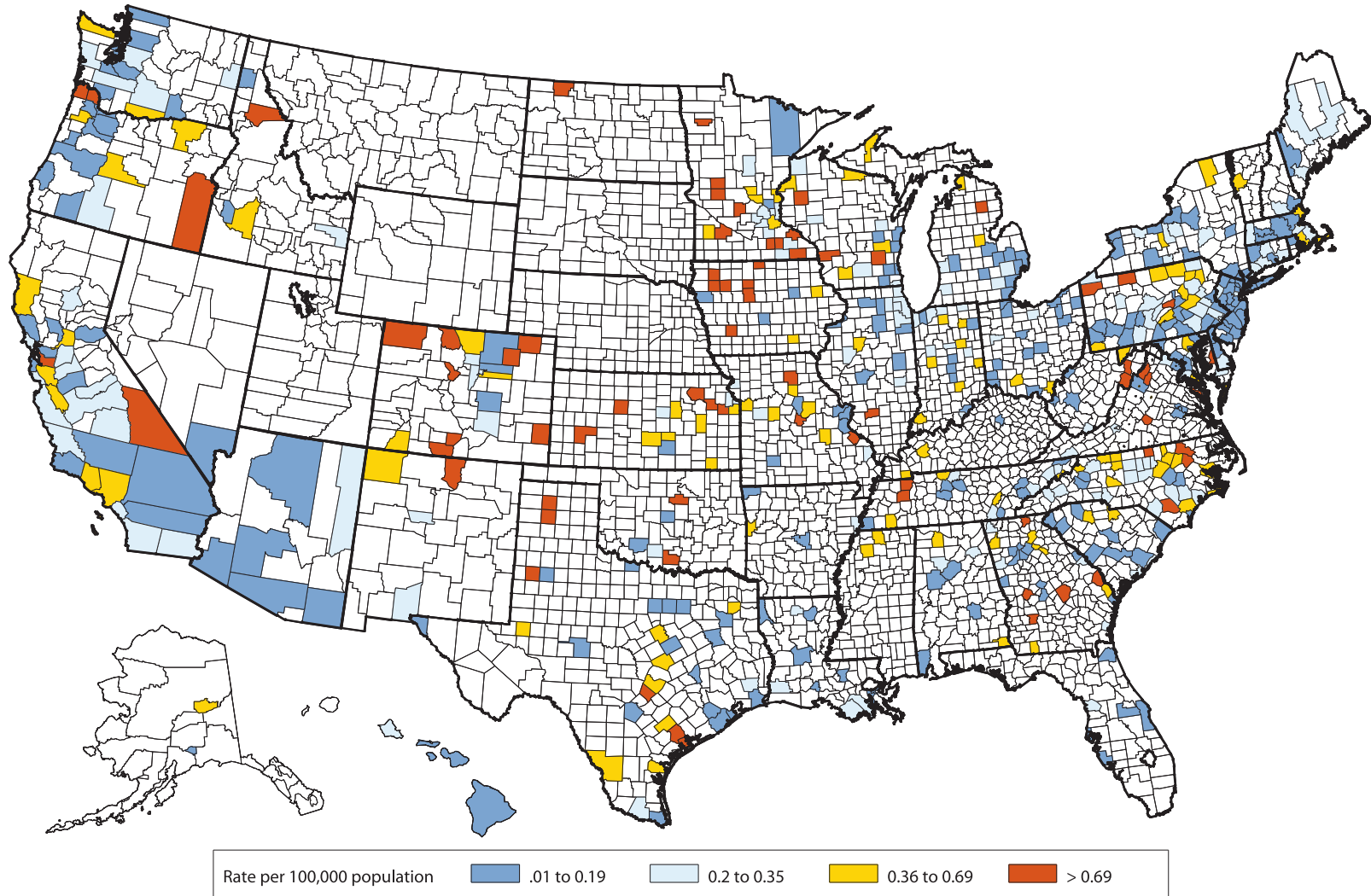
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

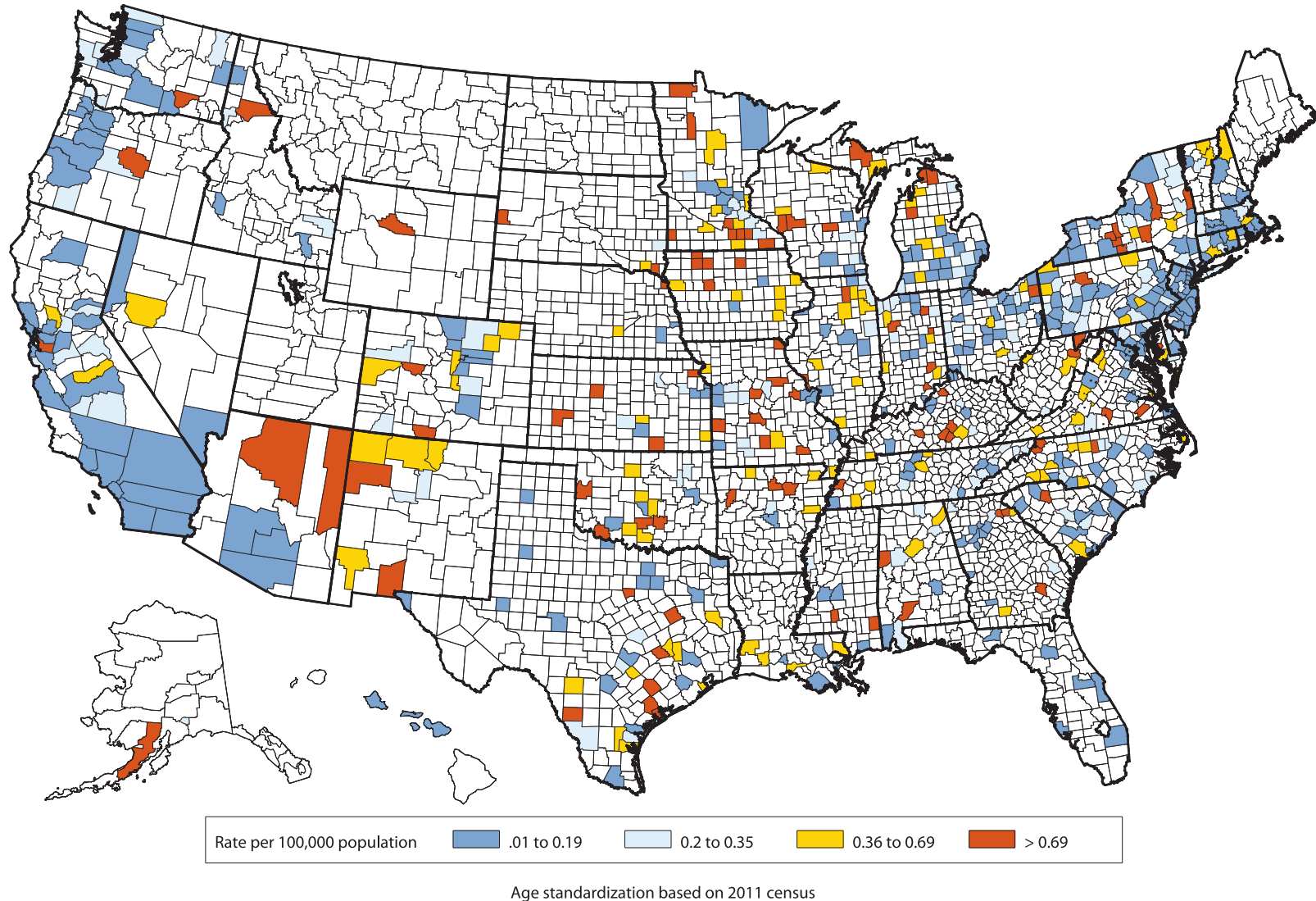
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

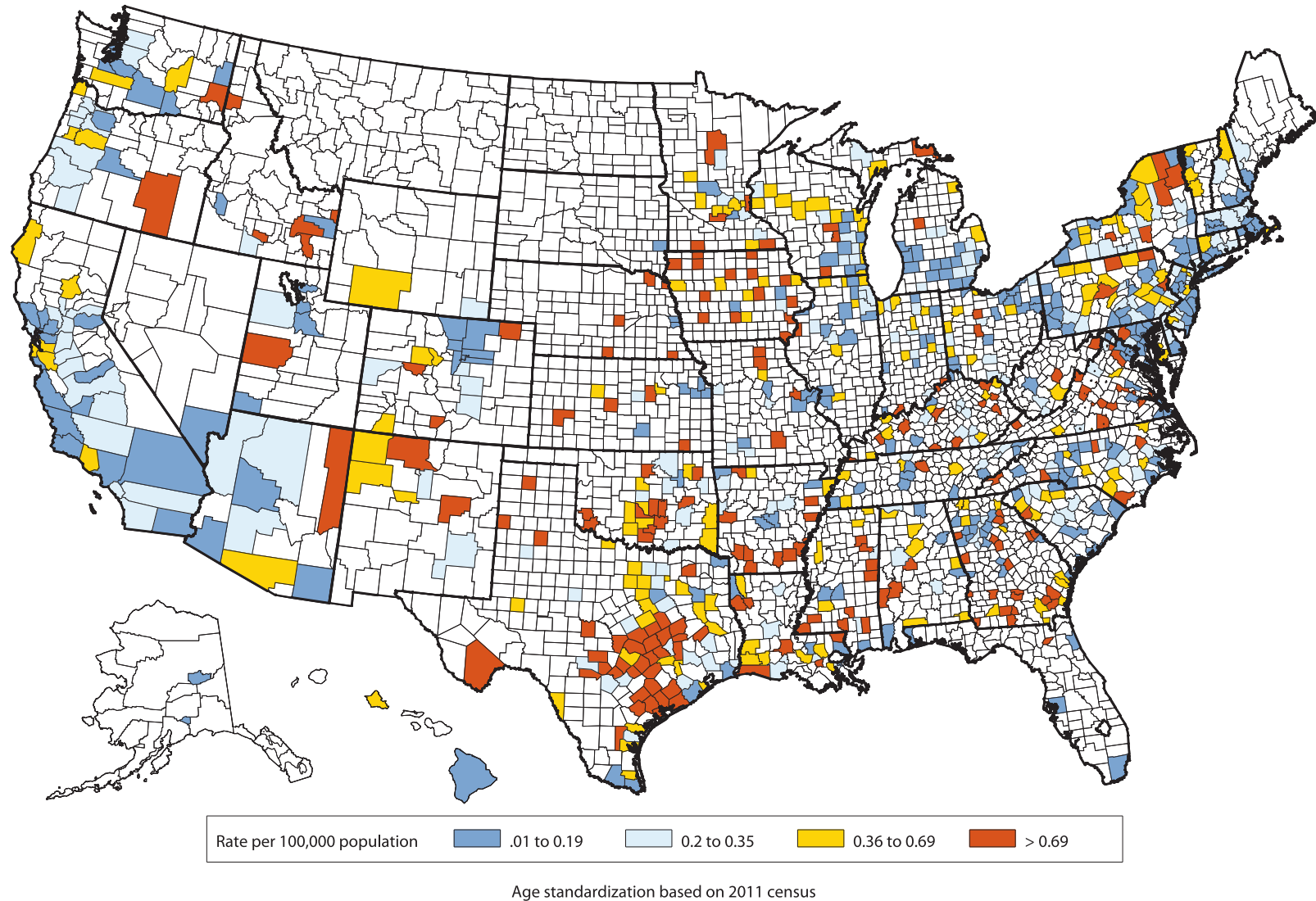
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Javiana

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

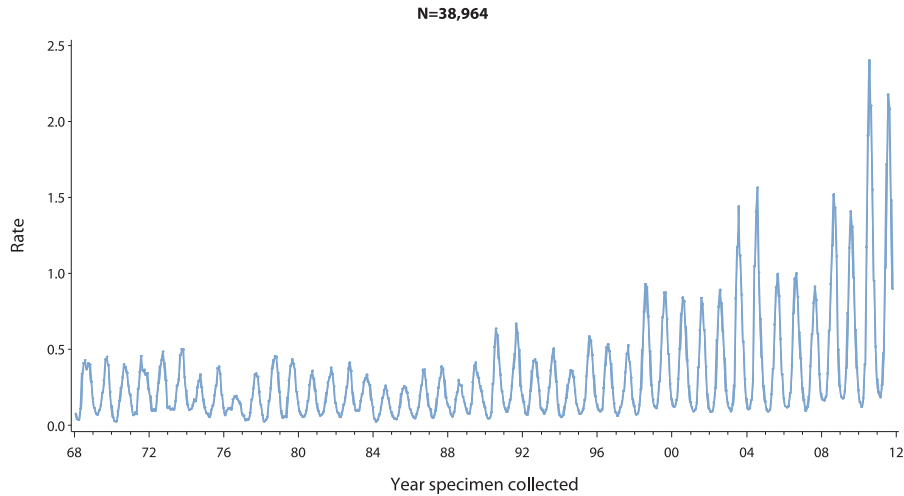


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

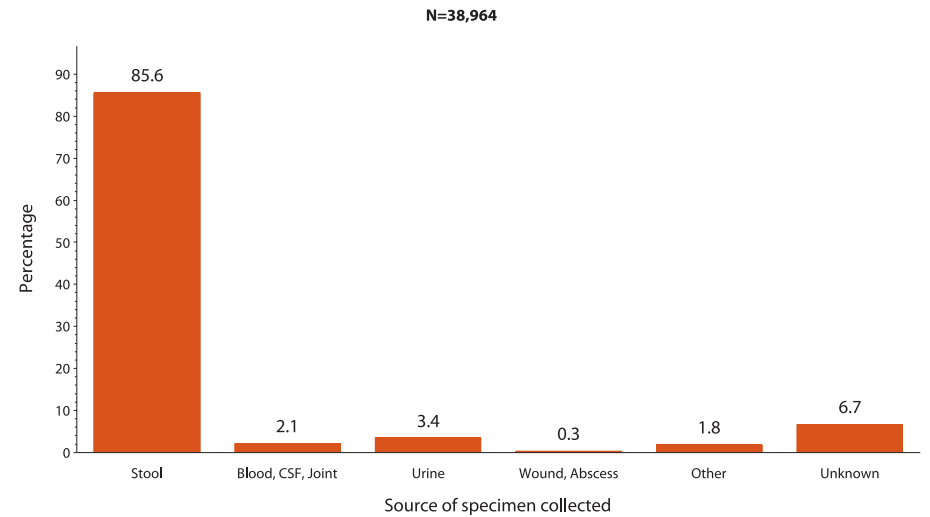


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

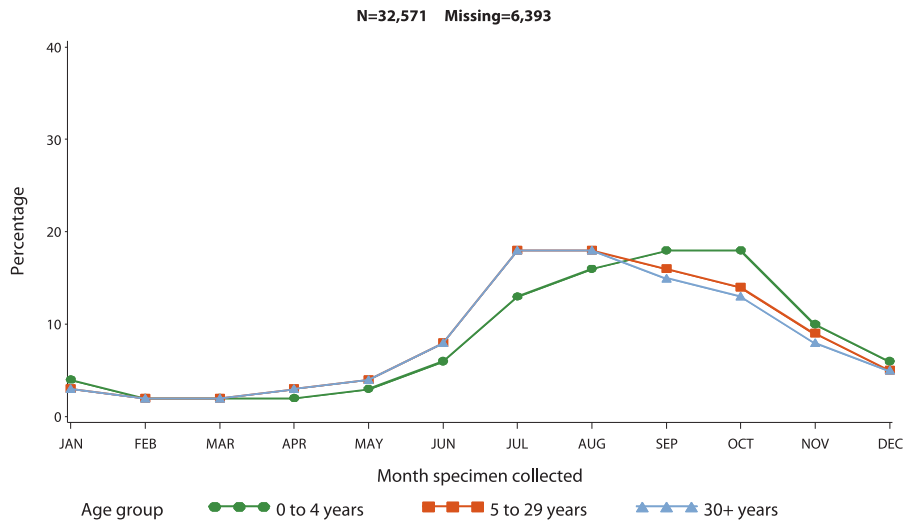
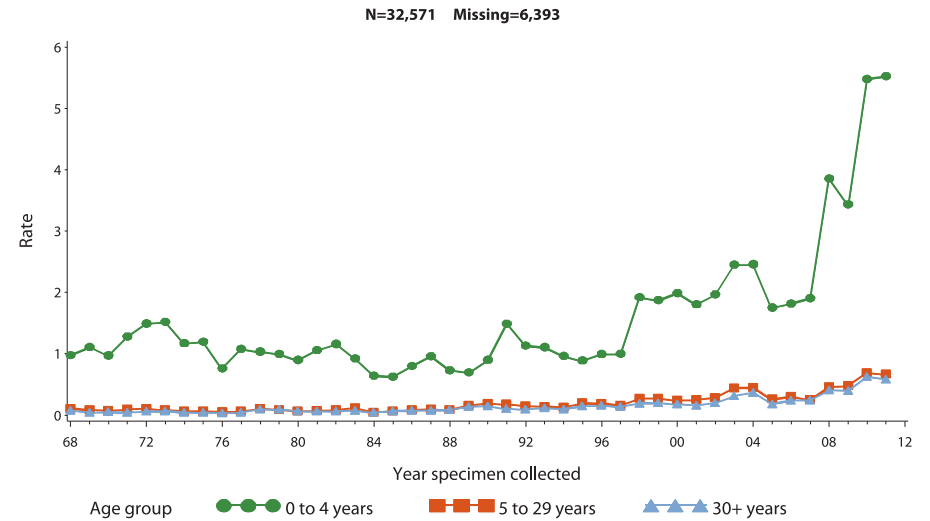


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Javiana

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=32,571 Missing=7,980

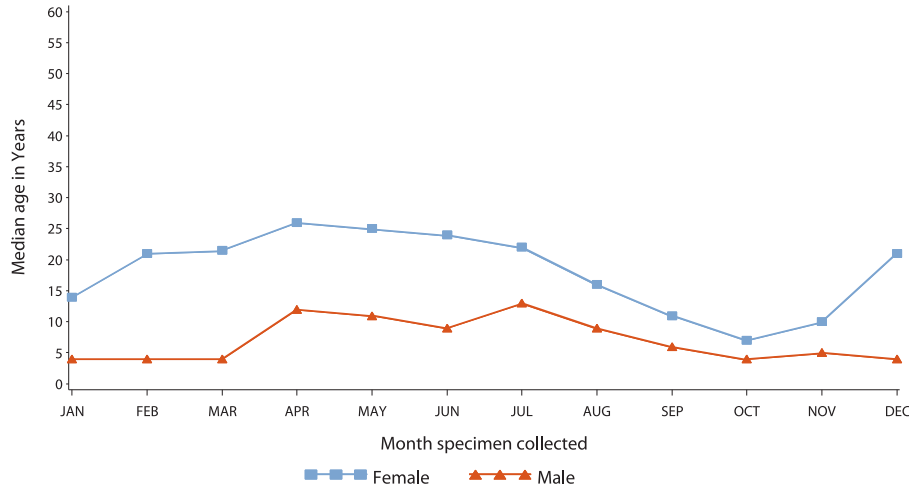


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=32,571 Missing=7,980

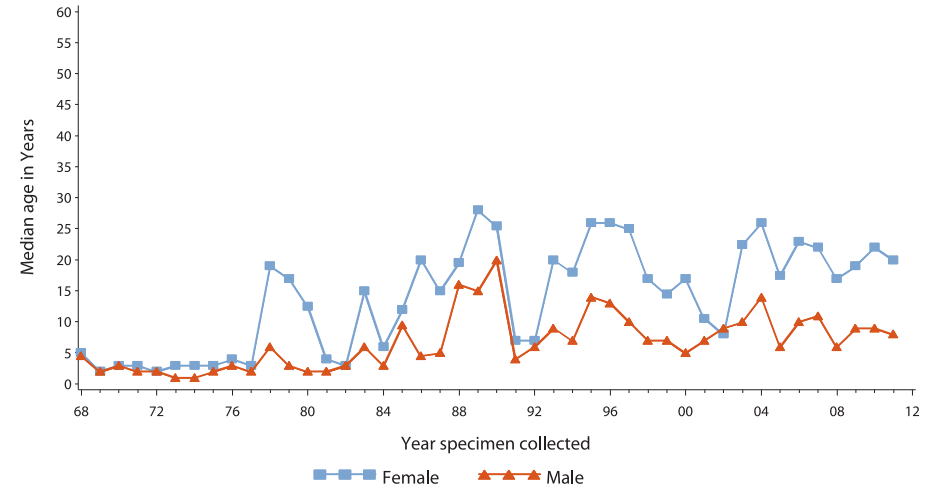


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=32,571 Missing=7,980

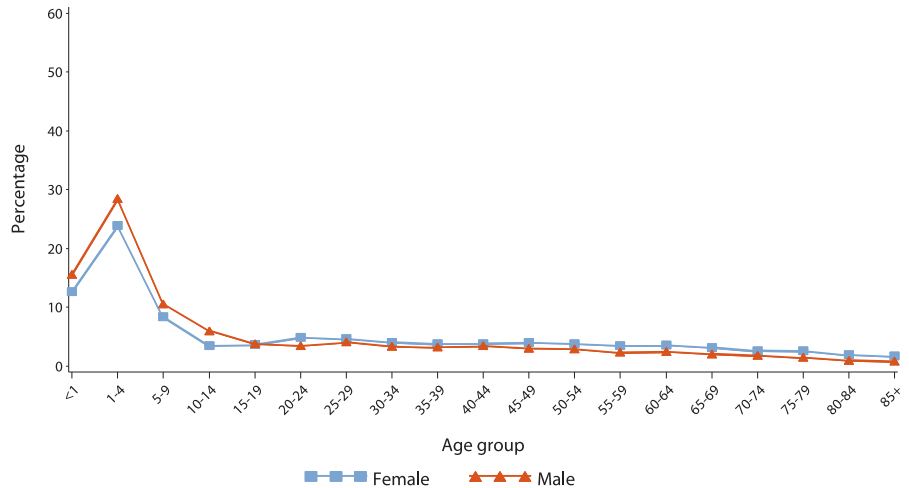


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=1,869

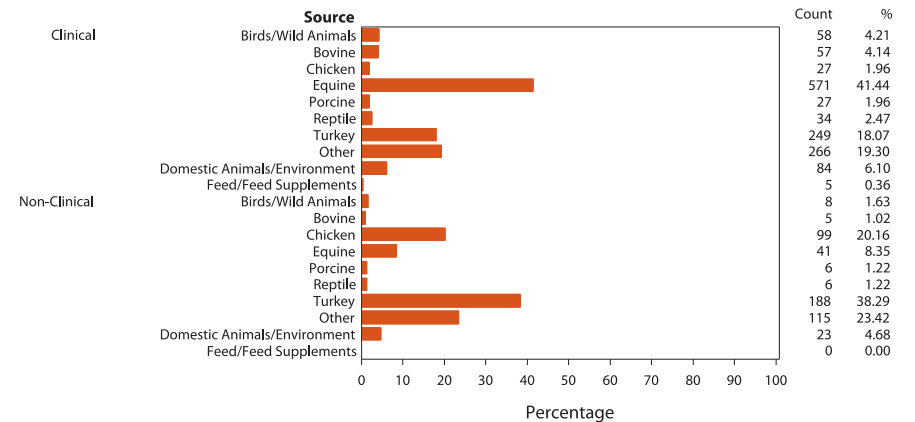
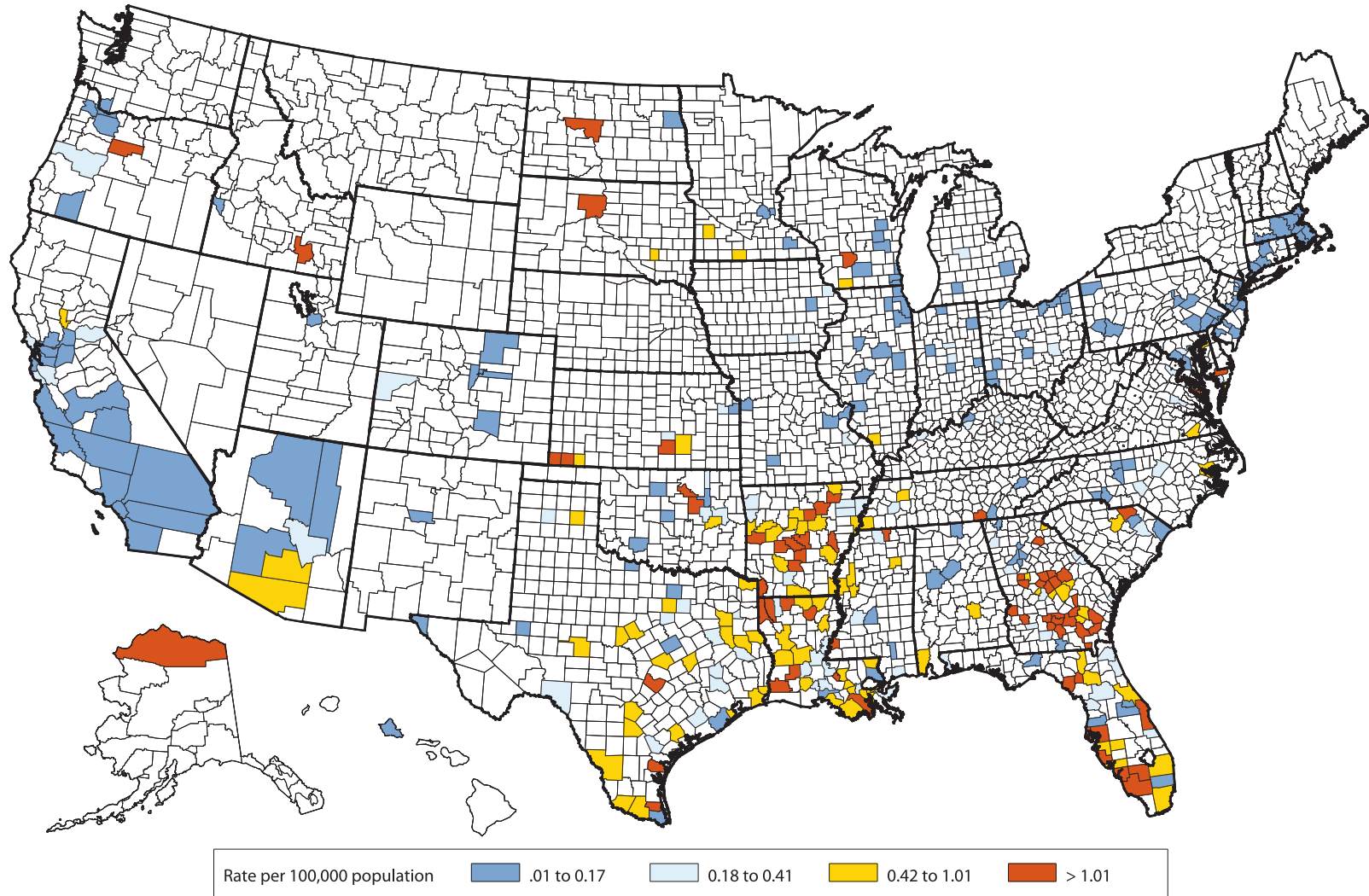


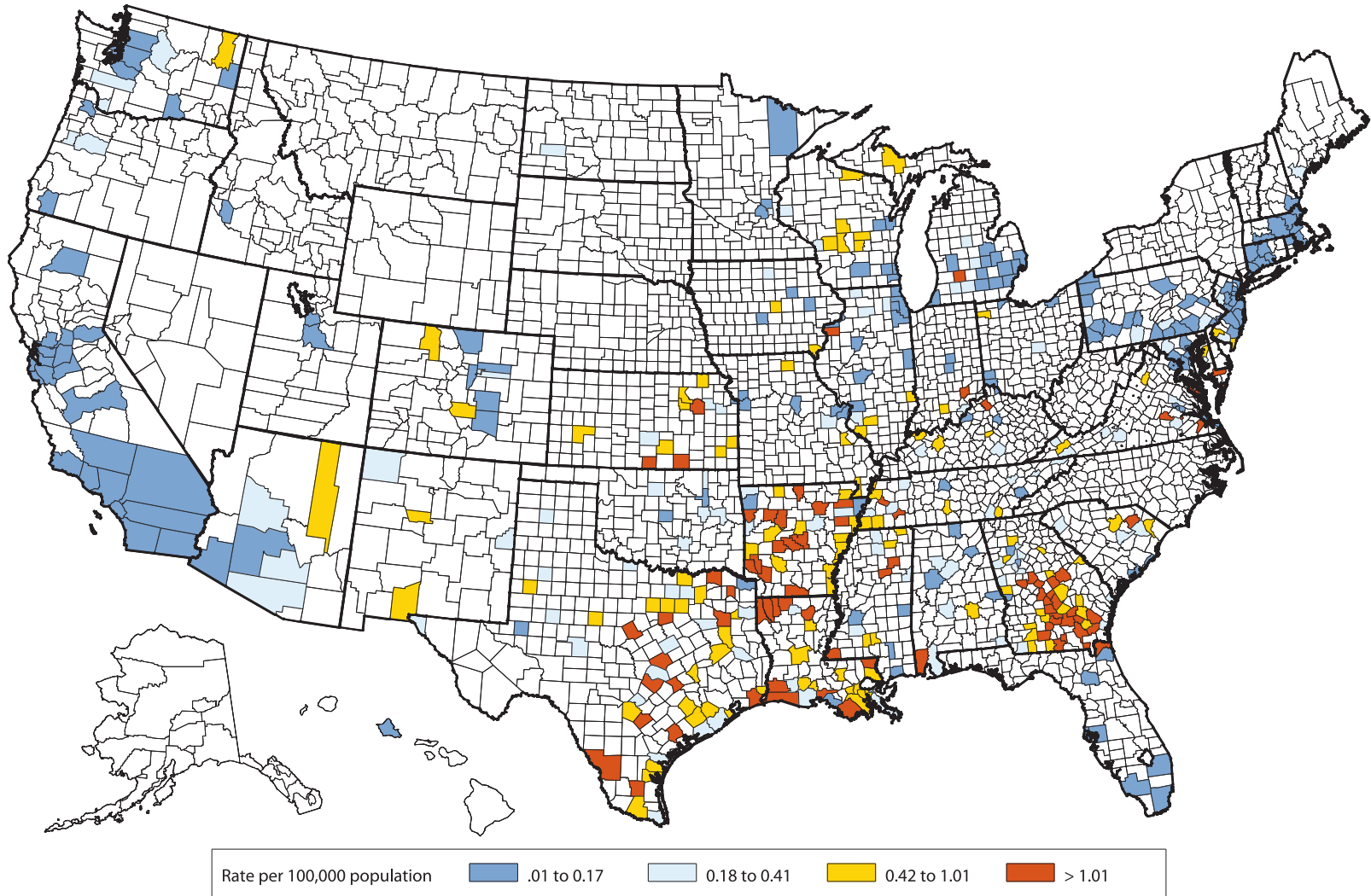
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

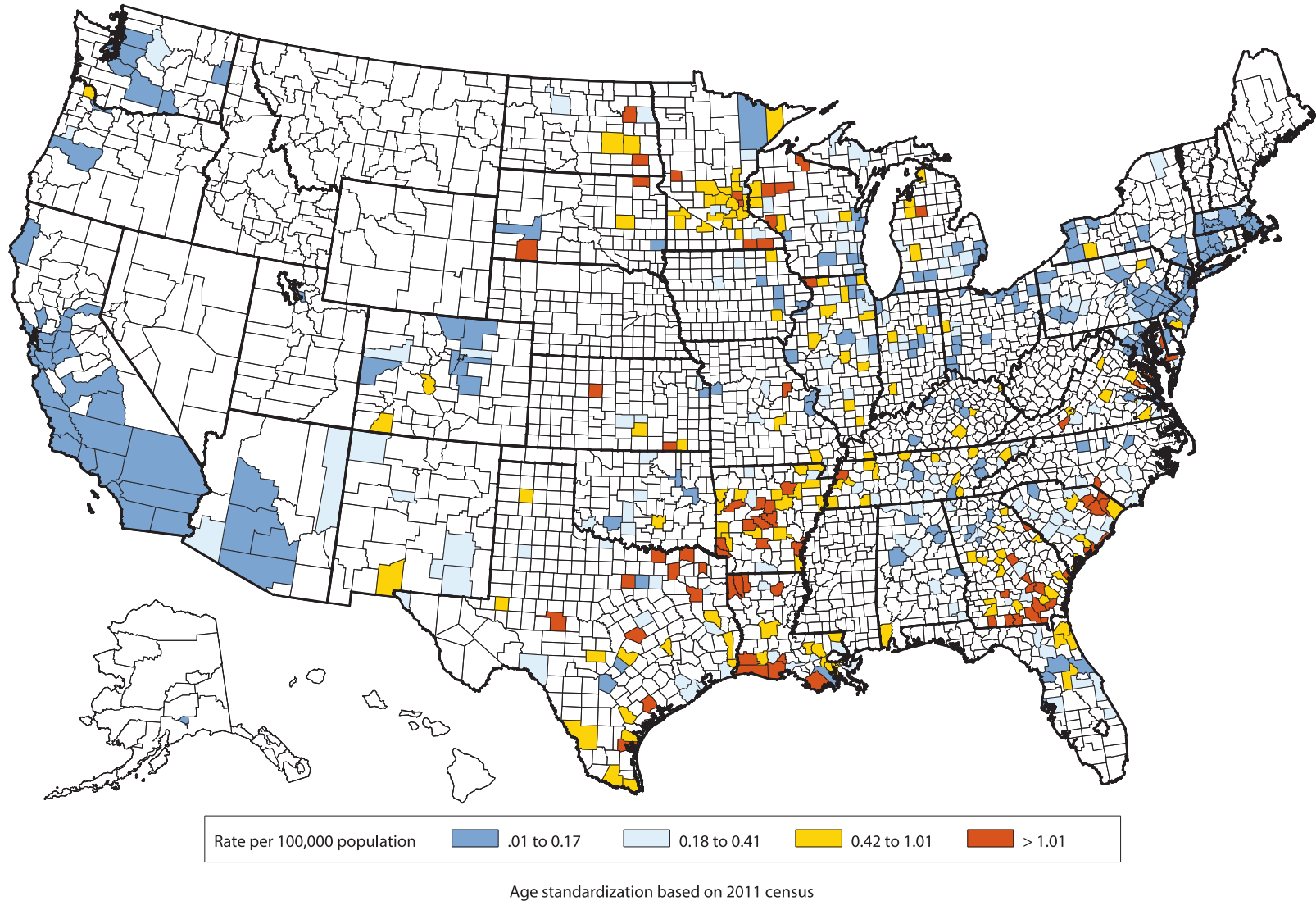
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

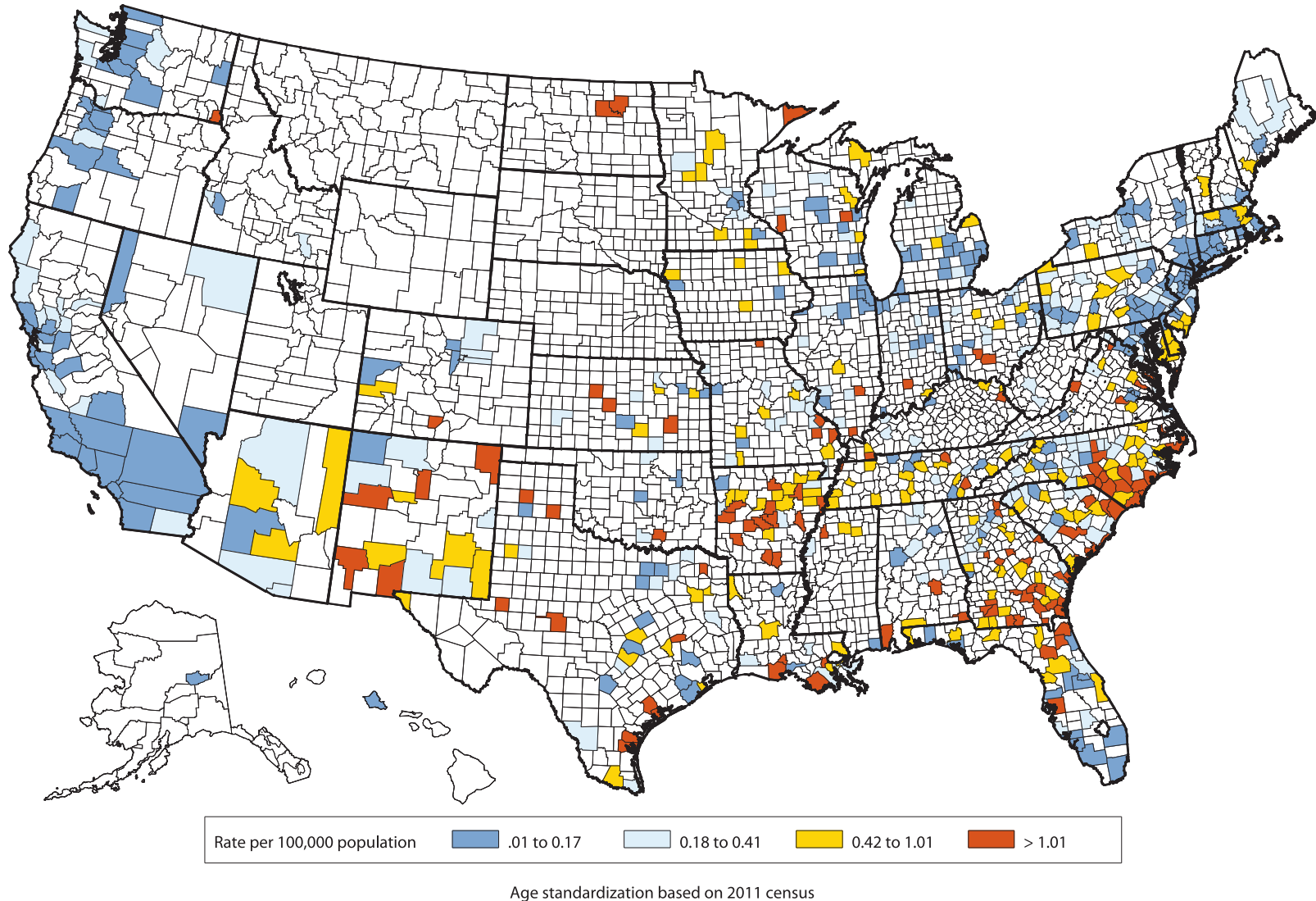
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



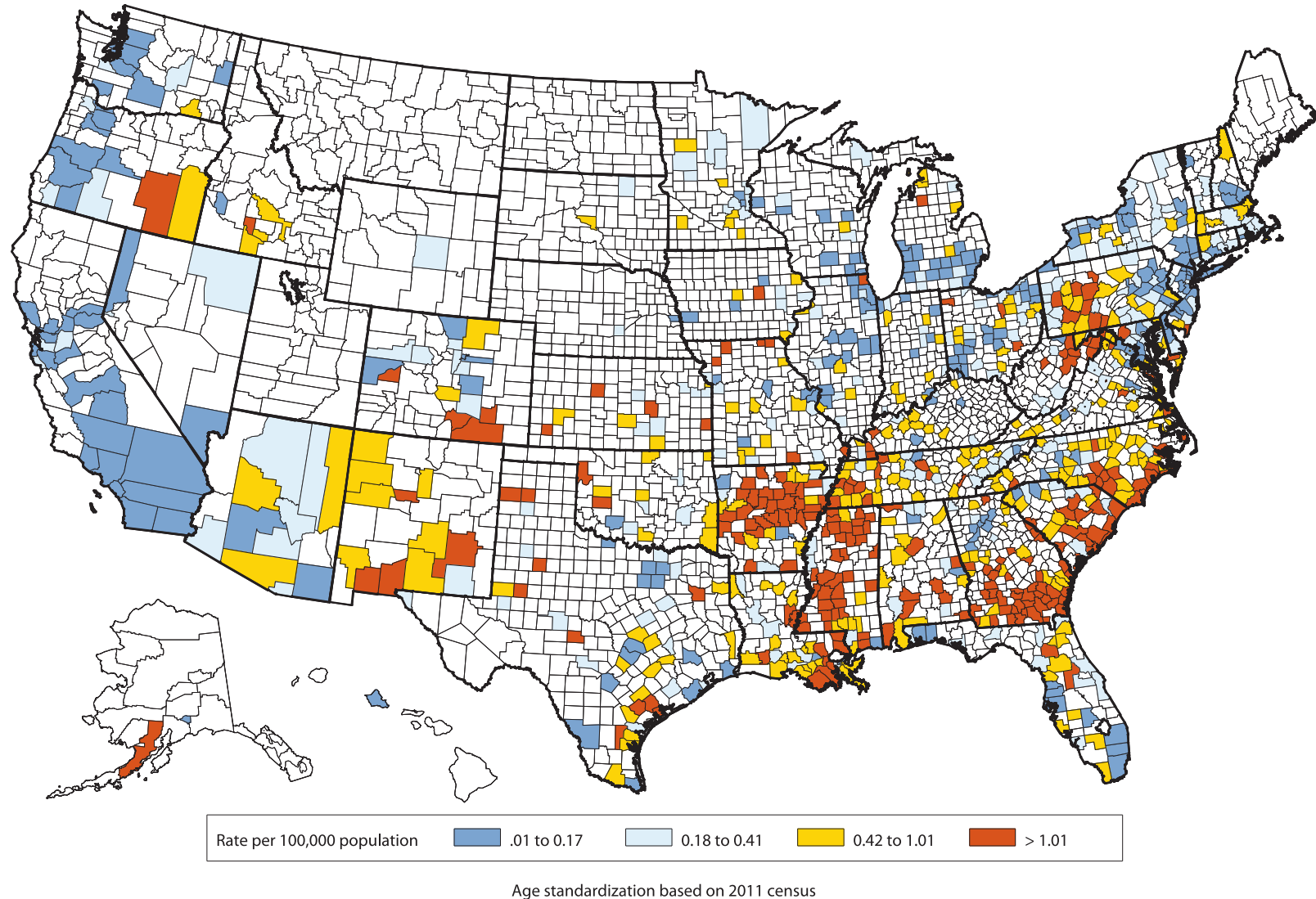
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



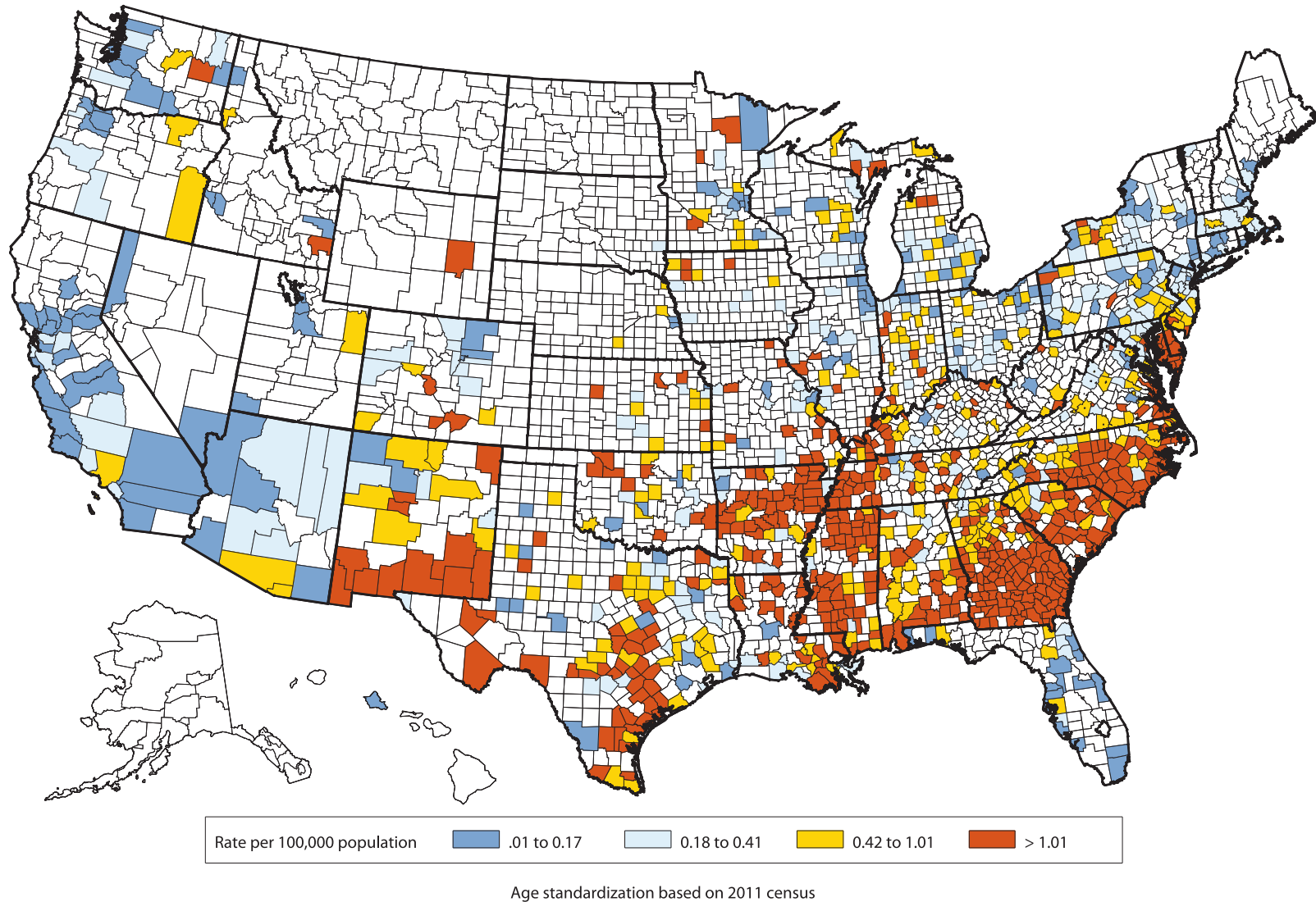
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Litchfield

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

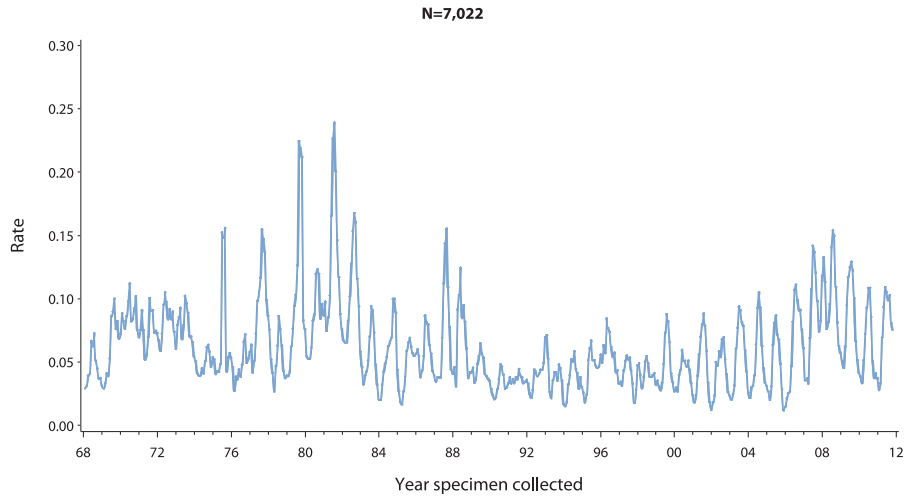


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

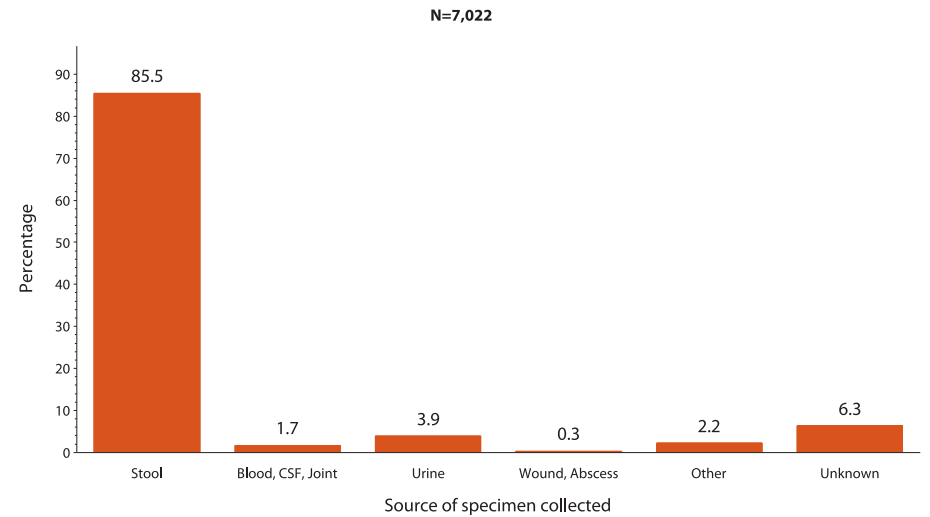


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

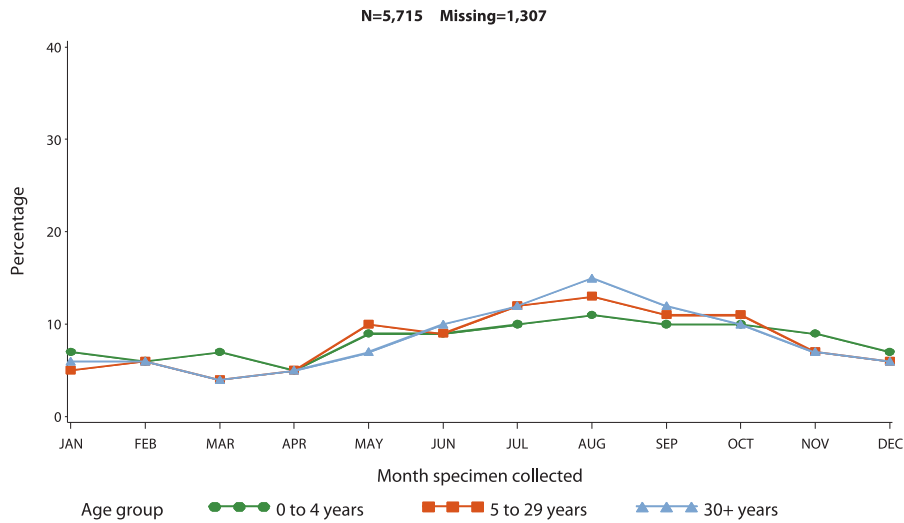
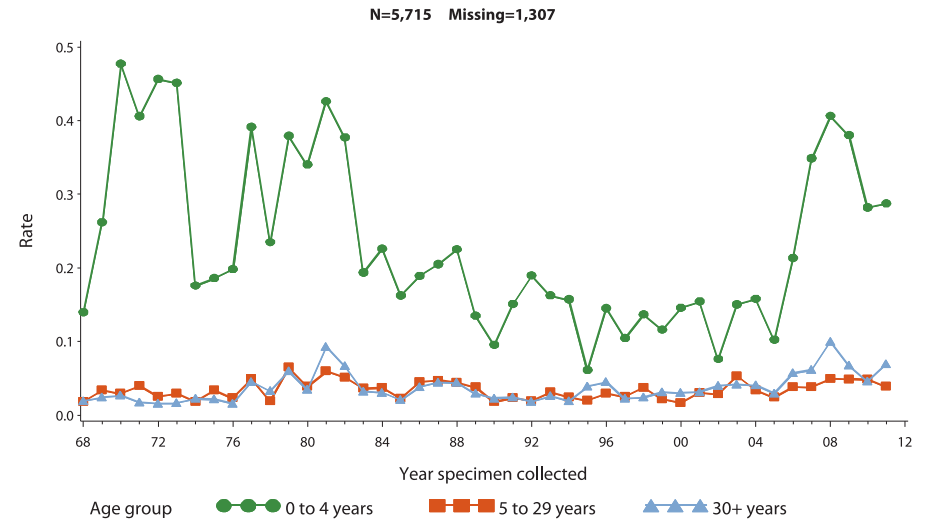


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Litchfield

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=5,715 Missing=1,421

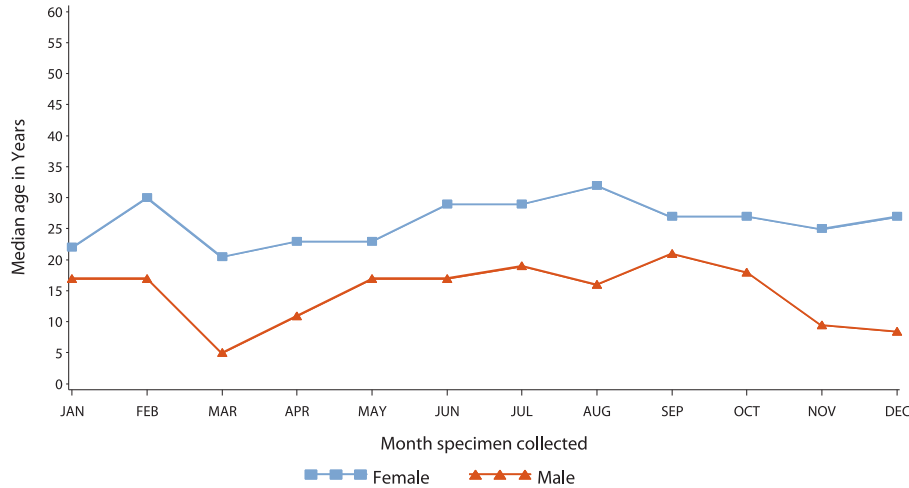


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=5,715 Missing=1,421

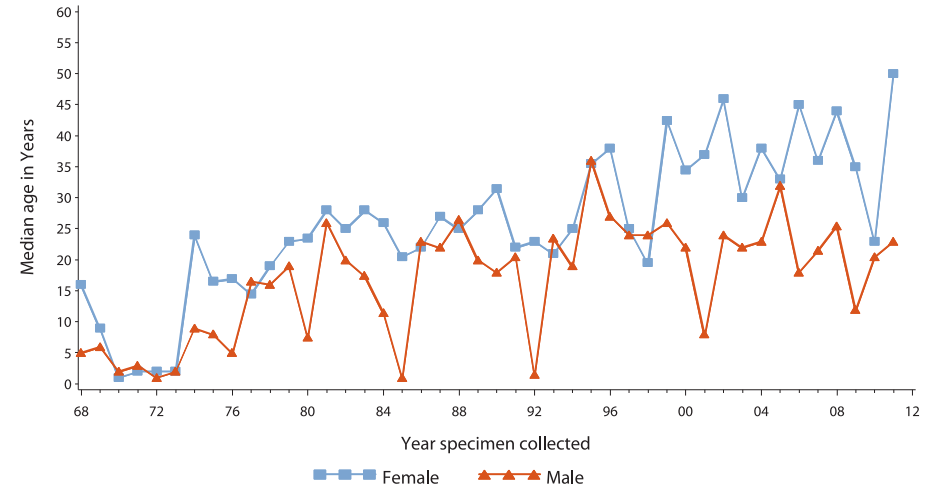


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=5,715 Missing=1,421

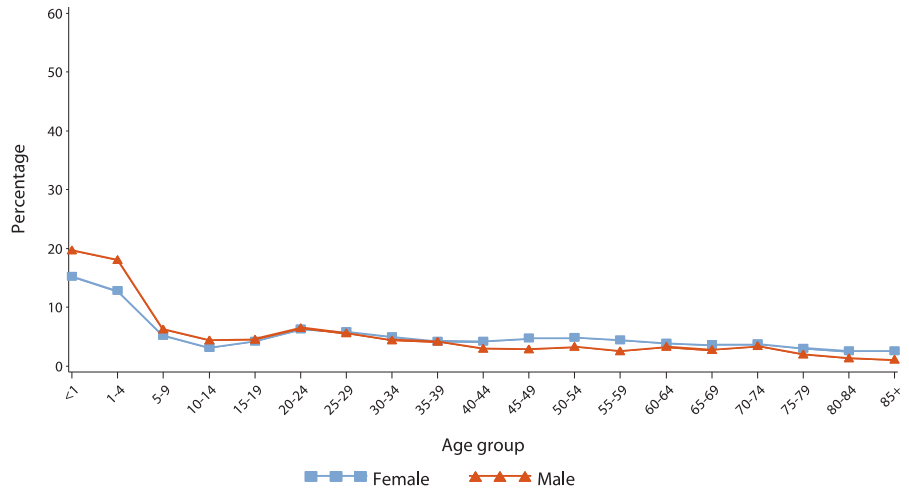
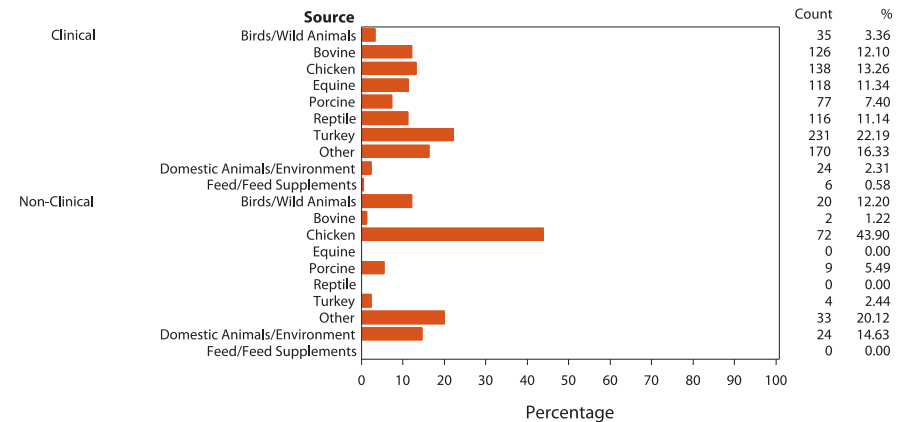


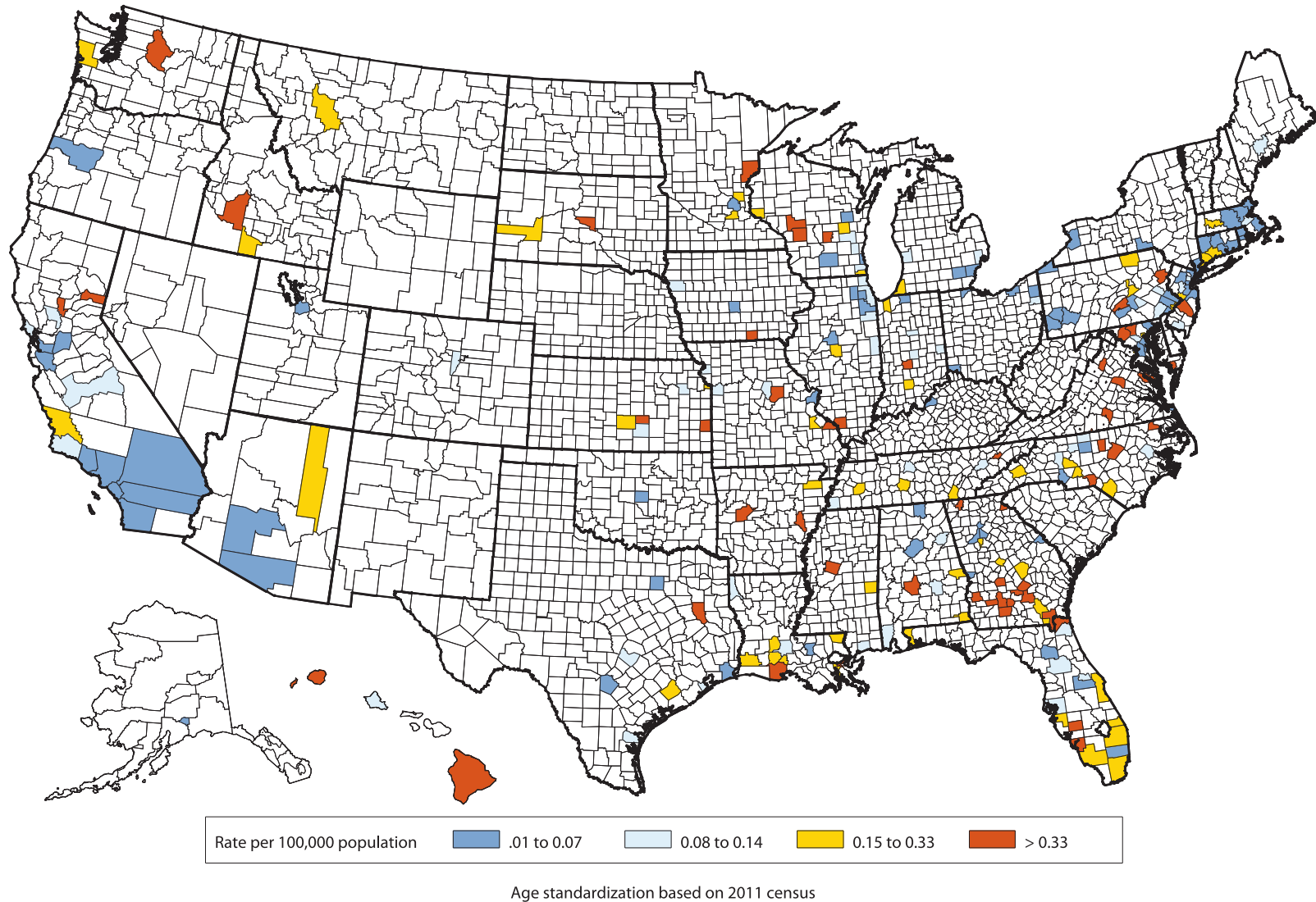
Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=1,205



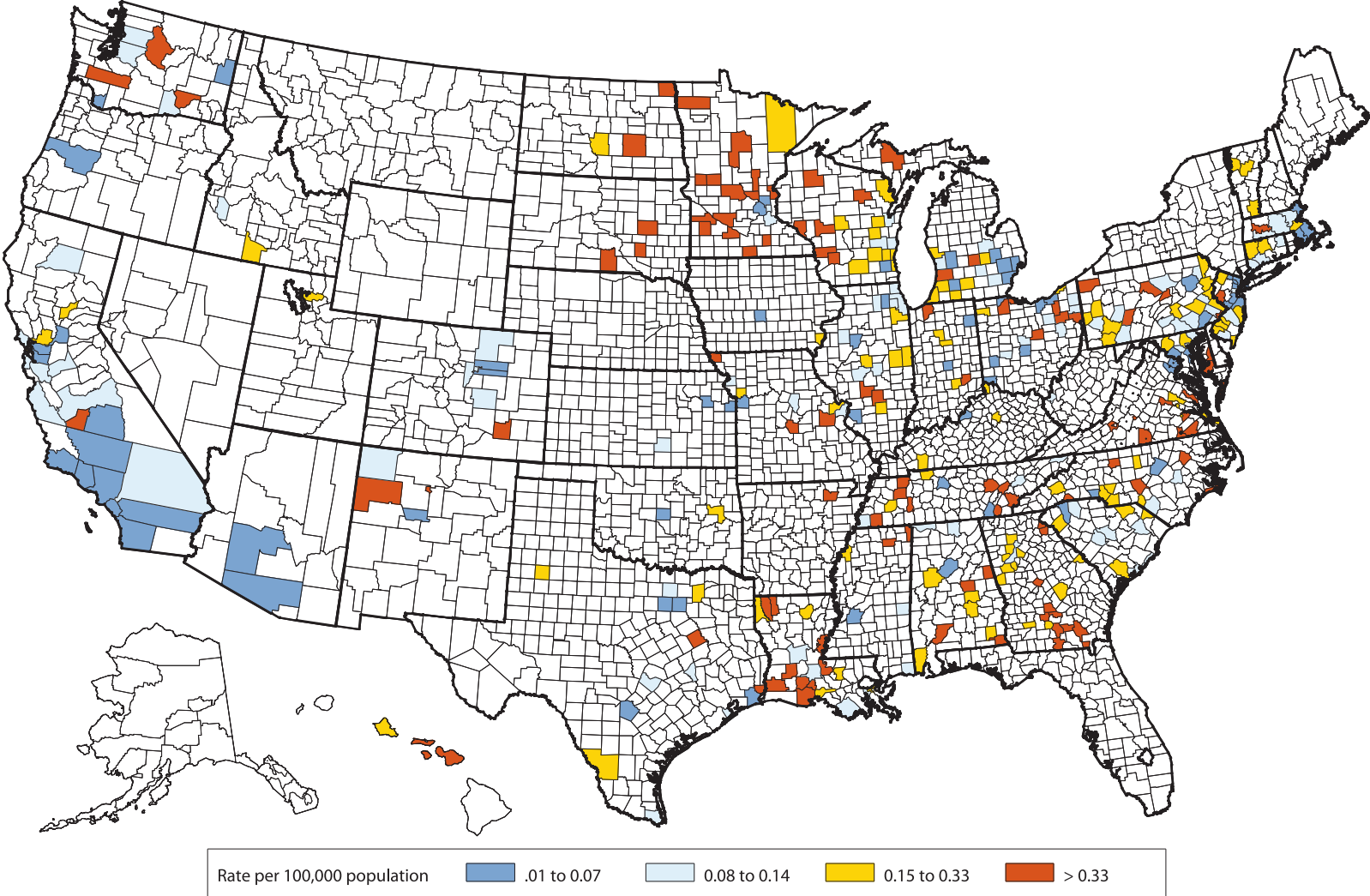
Salmonella serotype Litchfield

Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



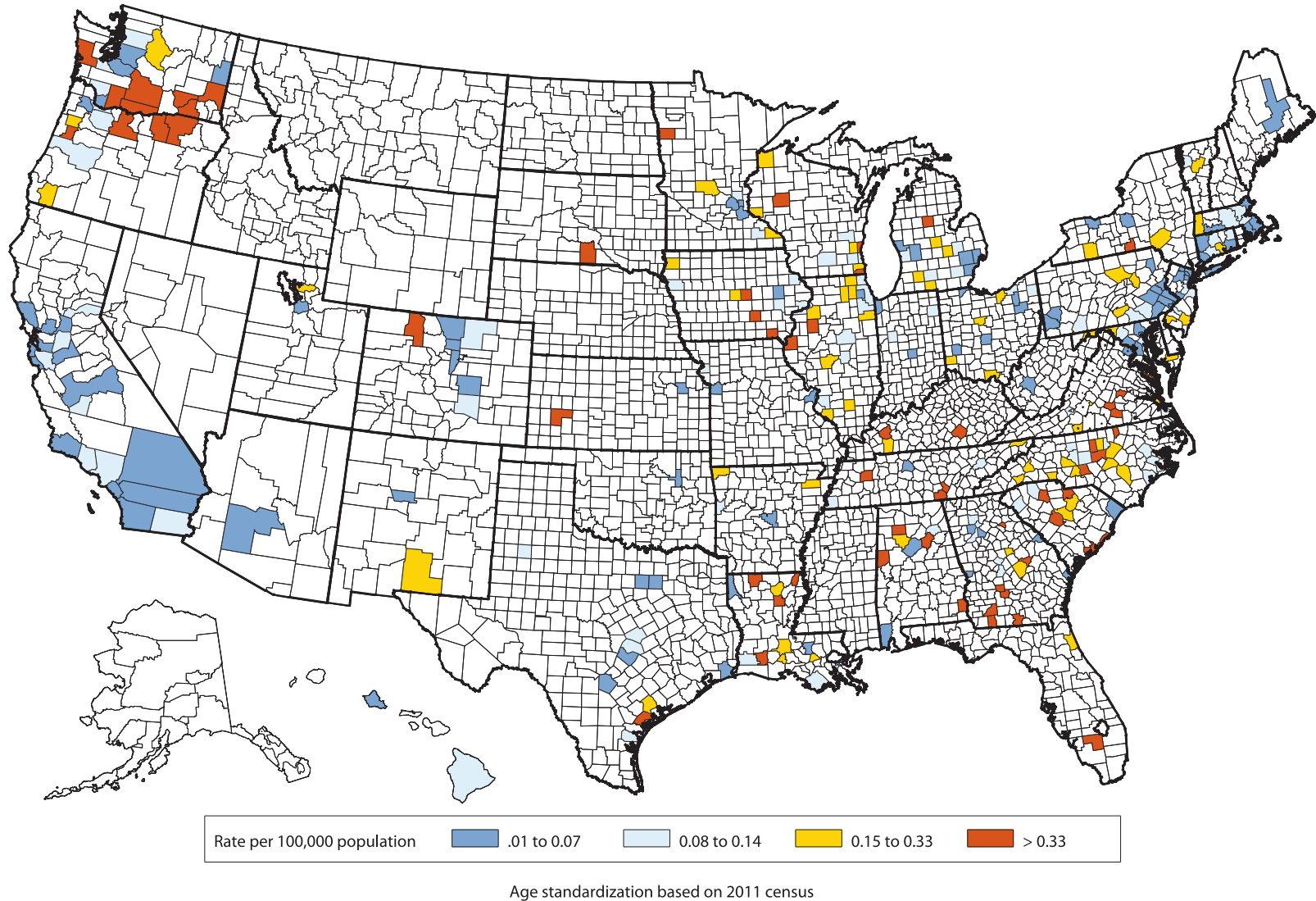
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



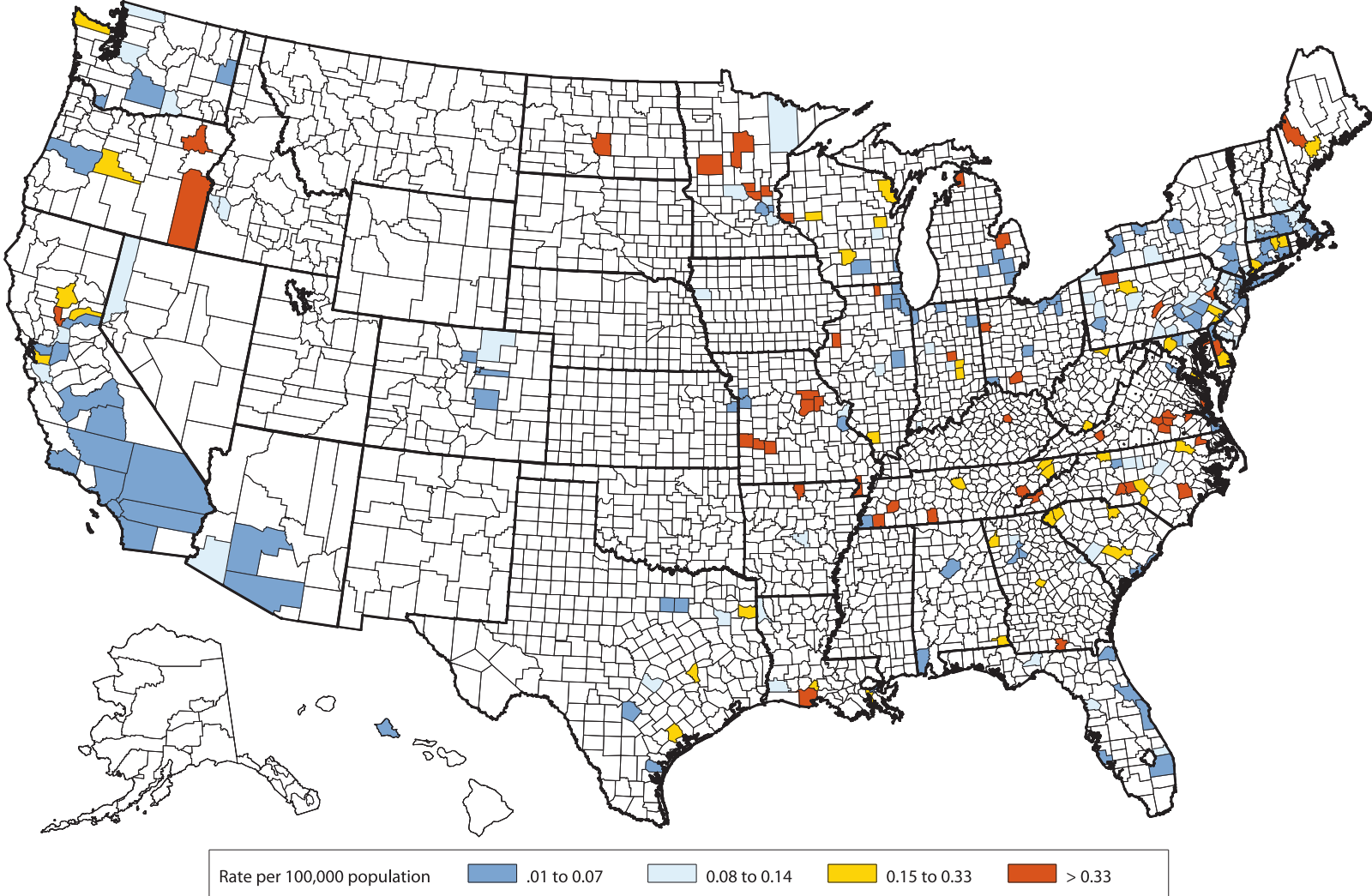
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



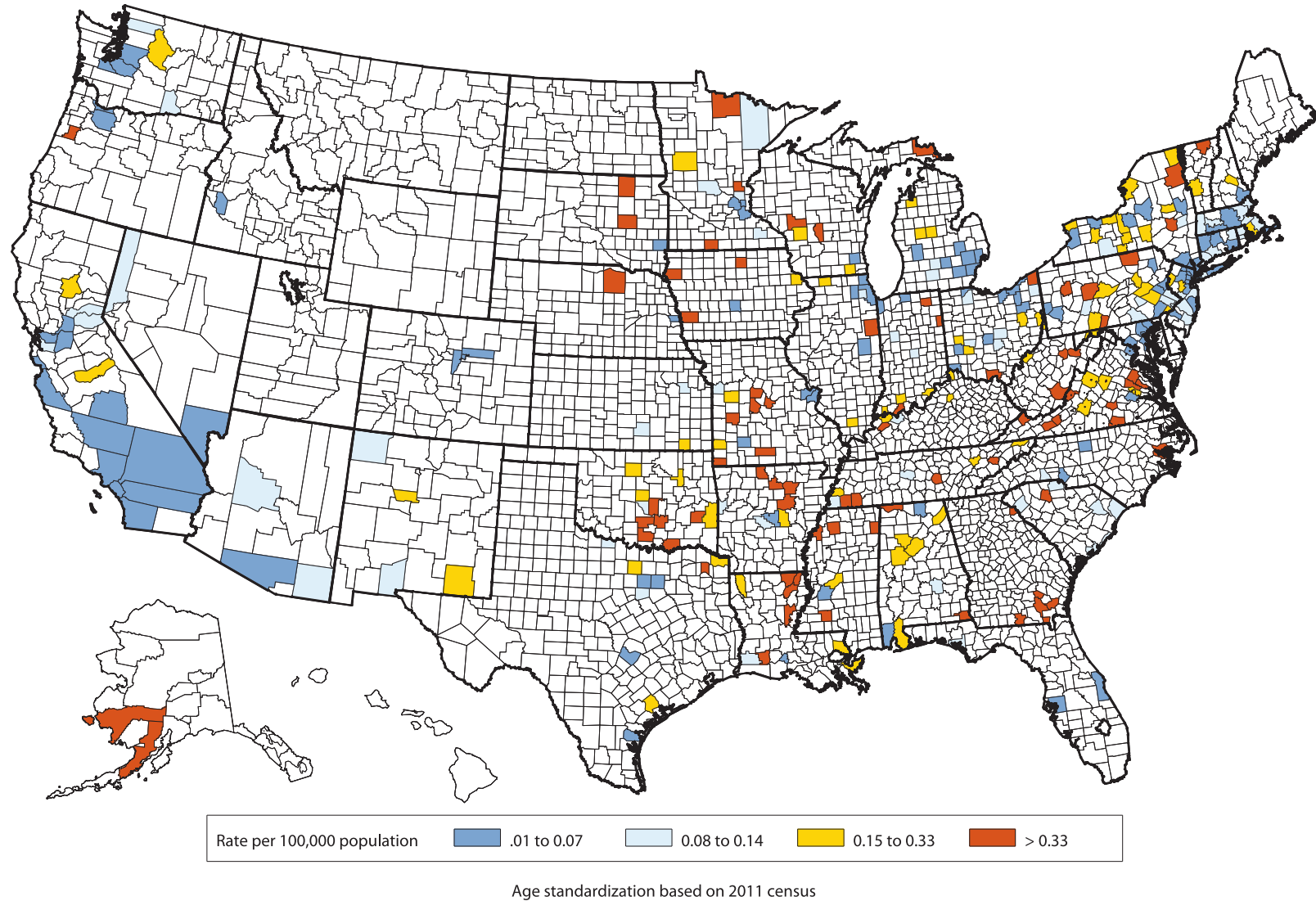
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



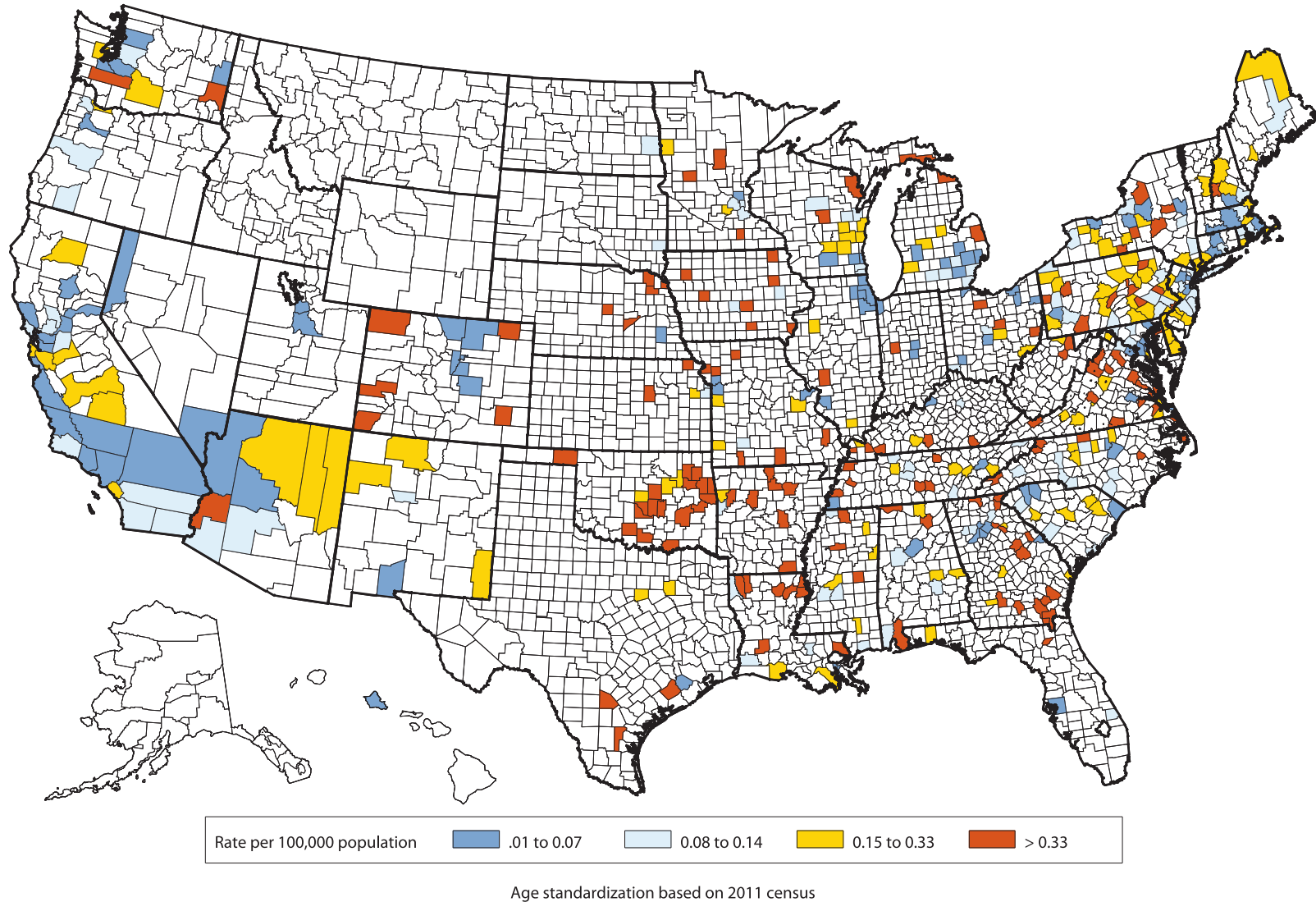
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Mbandaka

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

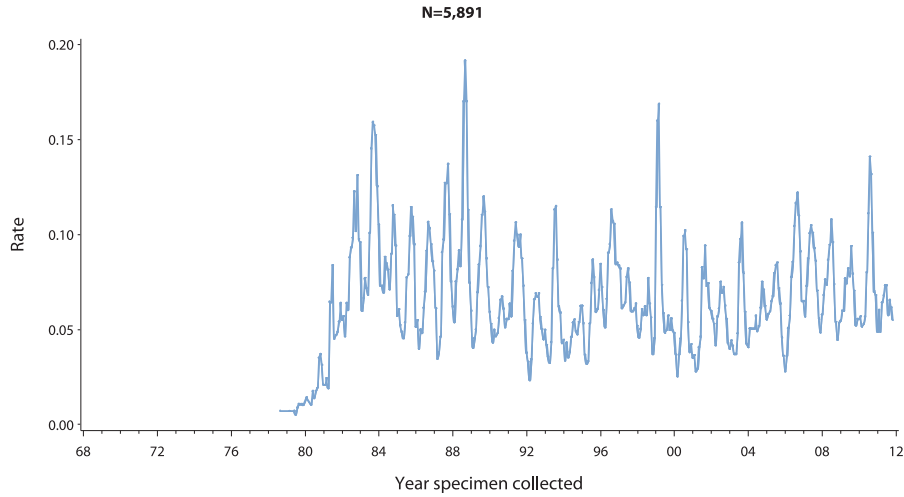


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

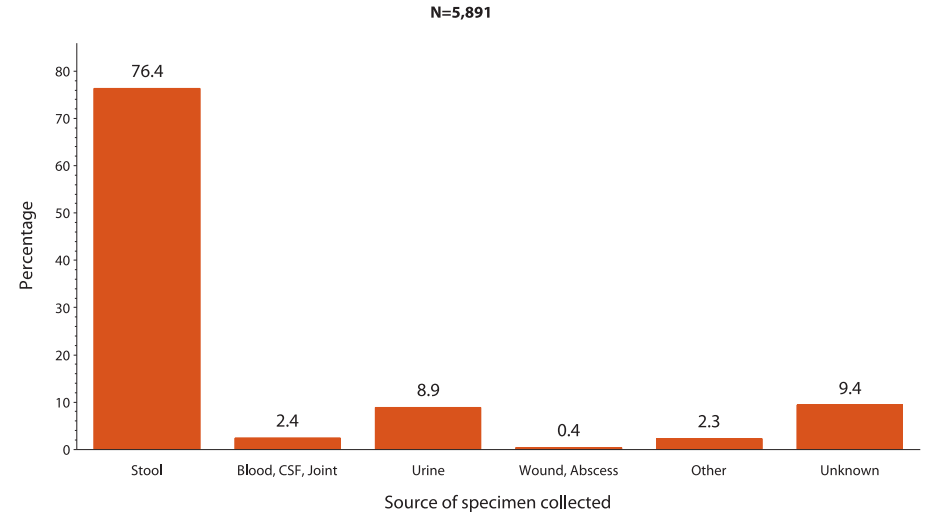


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

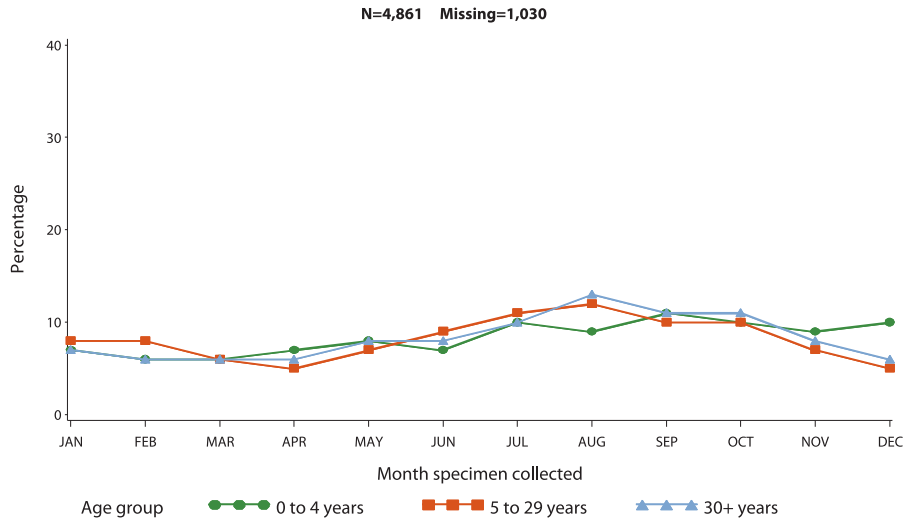
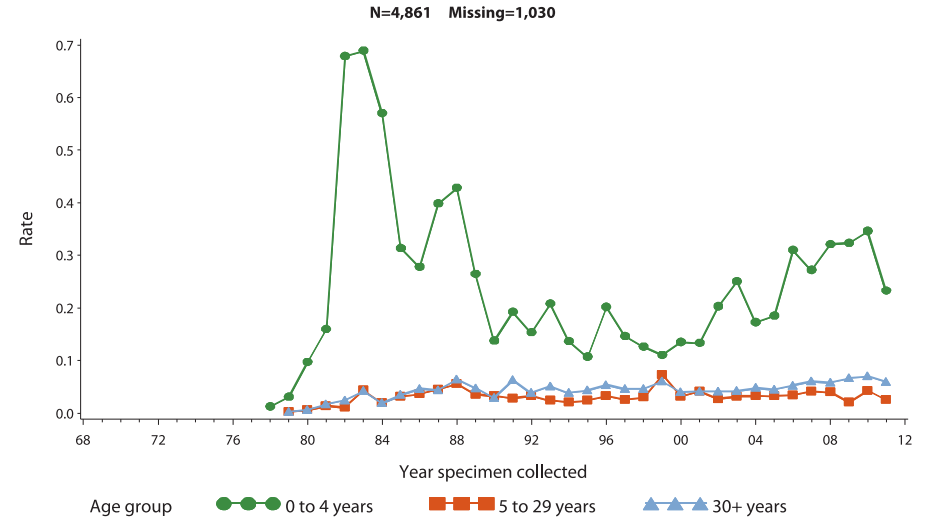


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Mbandaka

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=4,861 Missing=1,188

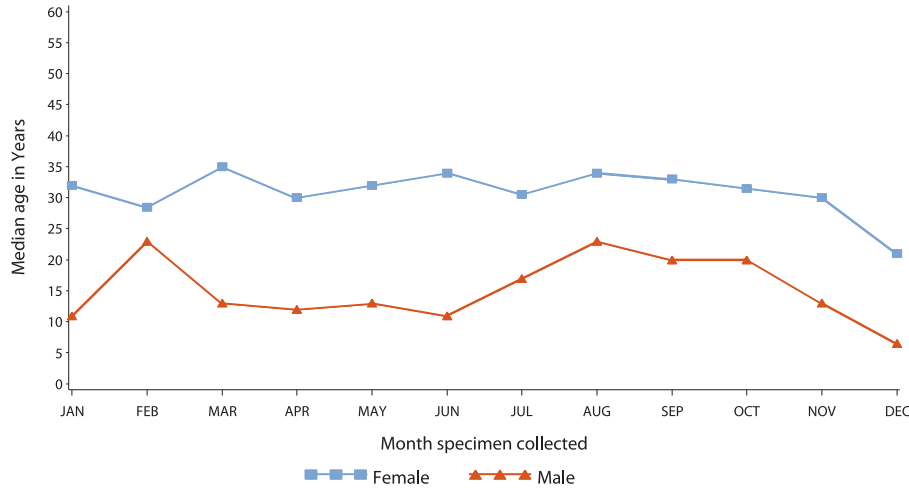


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=4,861 Missing=1,188

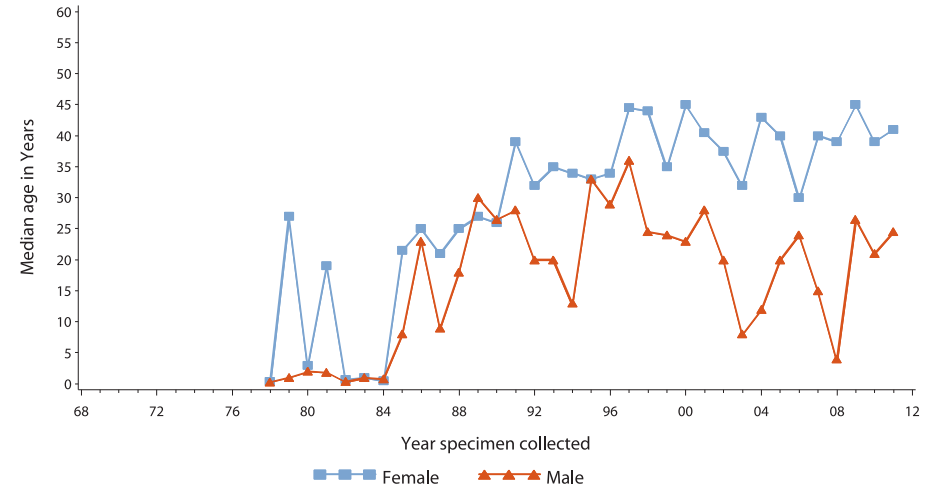


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=4,861 Missing=1,188

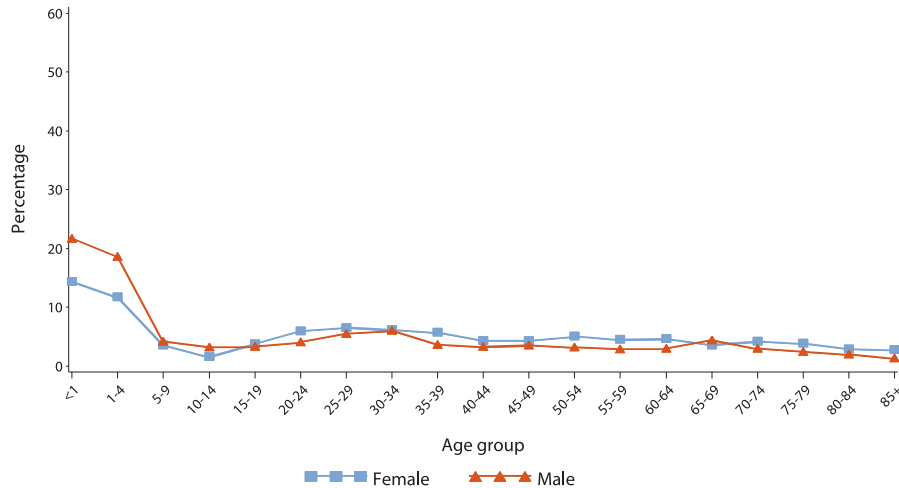


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=8,055

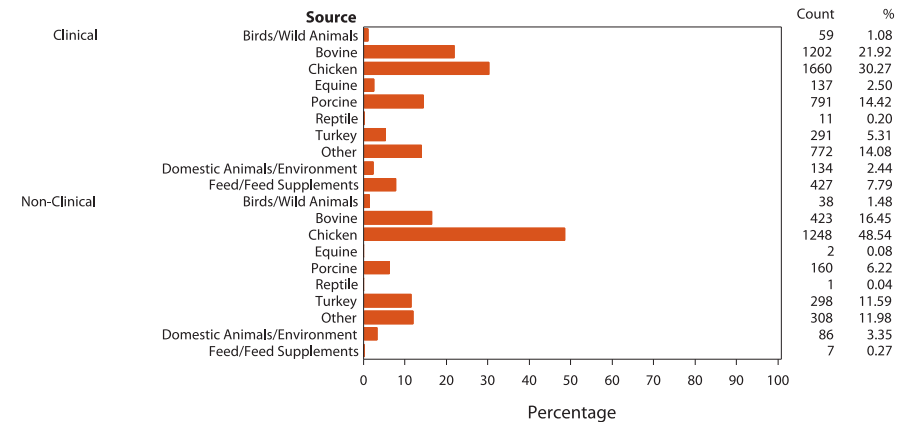
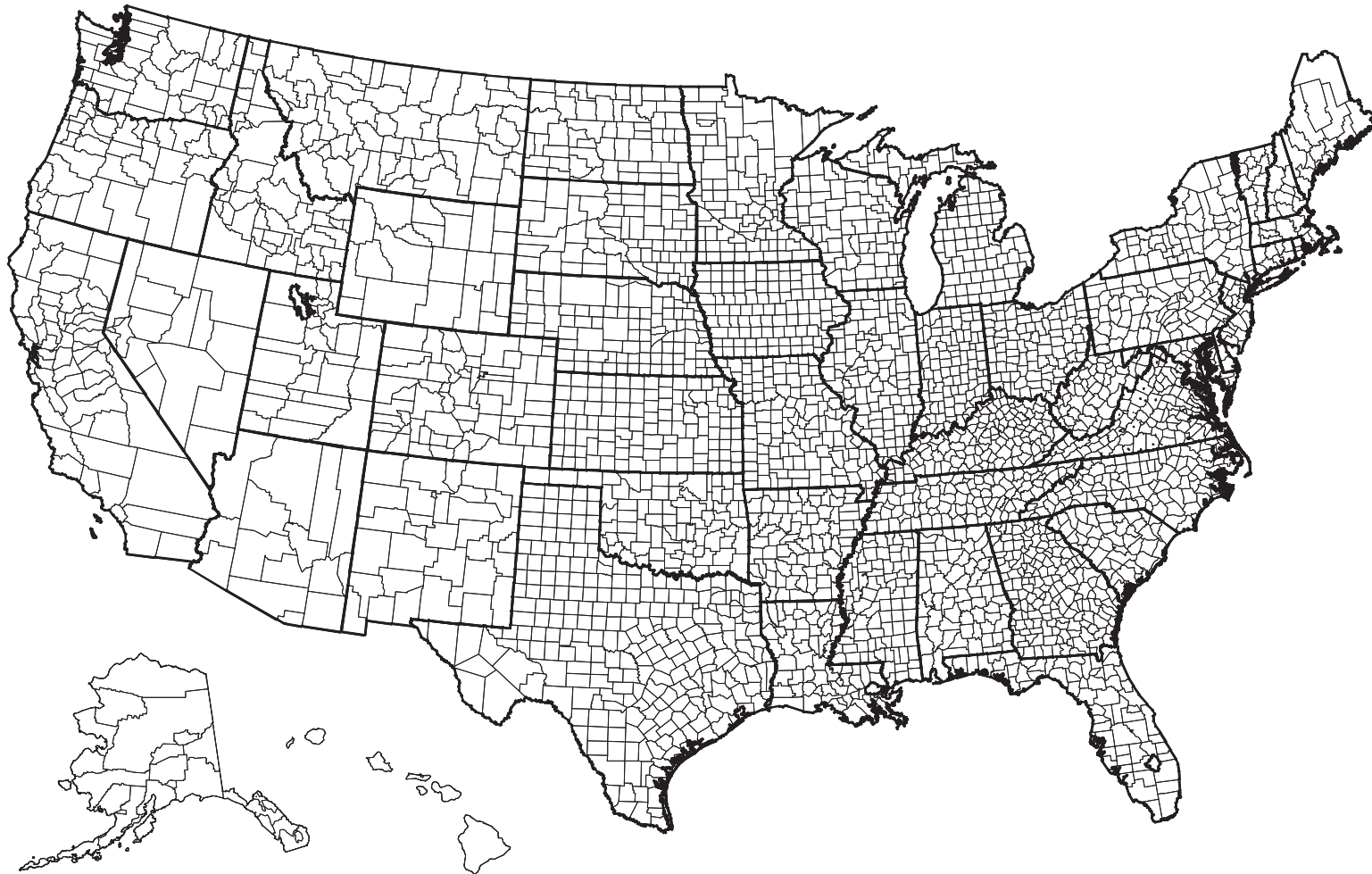


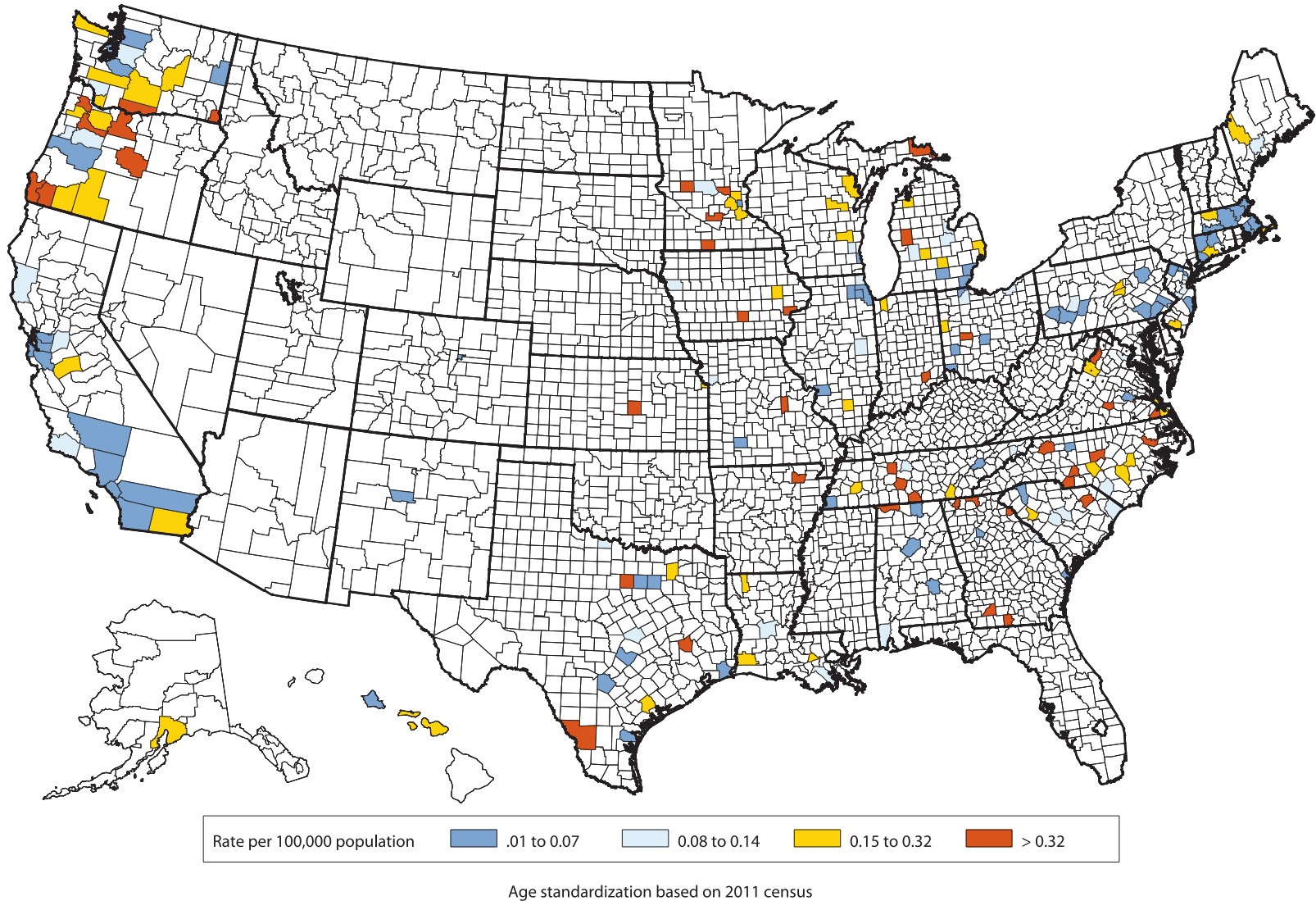
Figure 09 - Age standardized rates per 100,000 of reported isolates by county, 1968 to 1975



*** No isolates reported during this time period ***

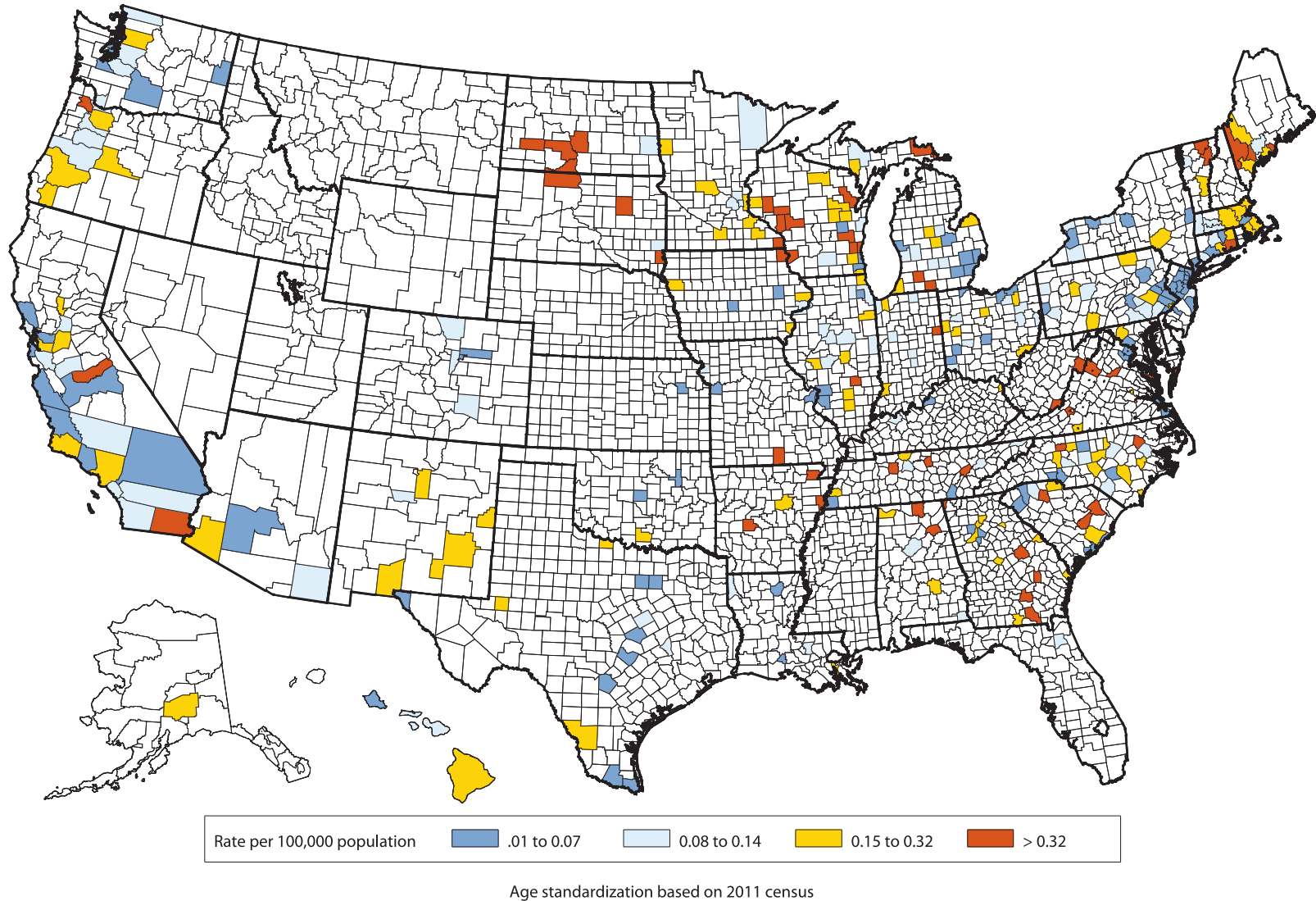
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. H76pt Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



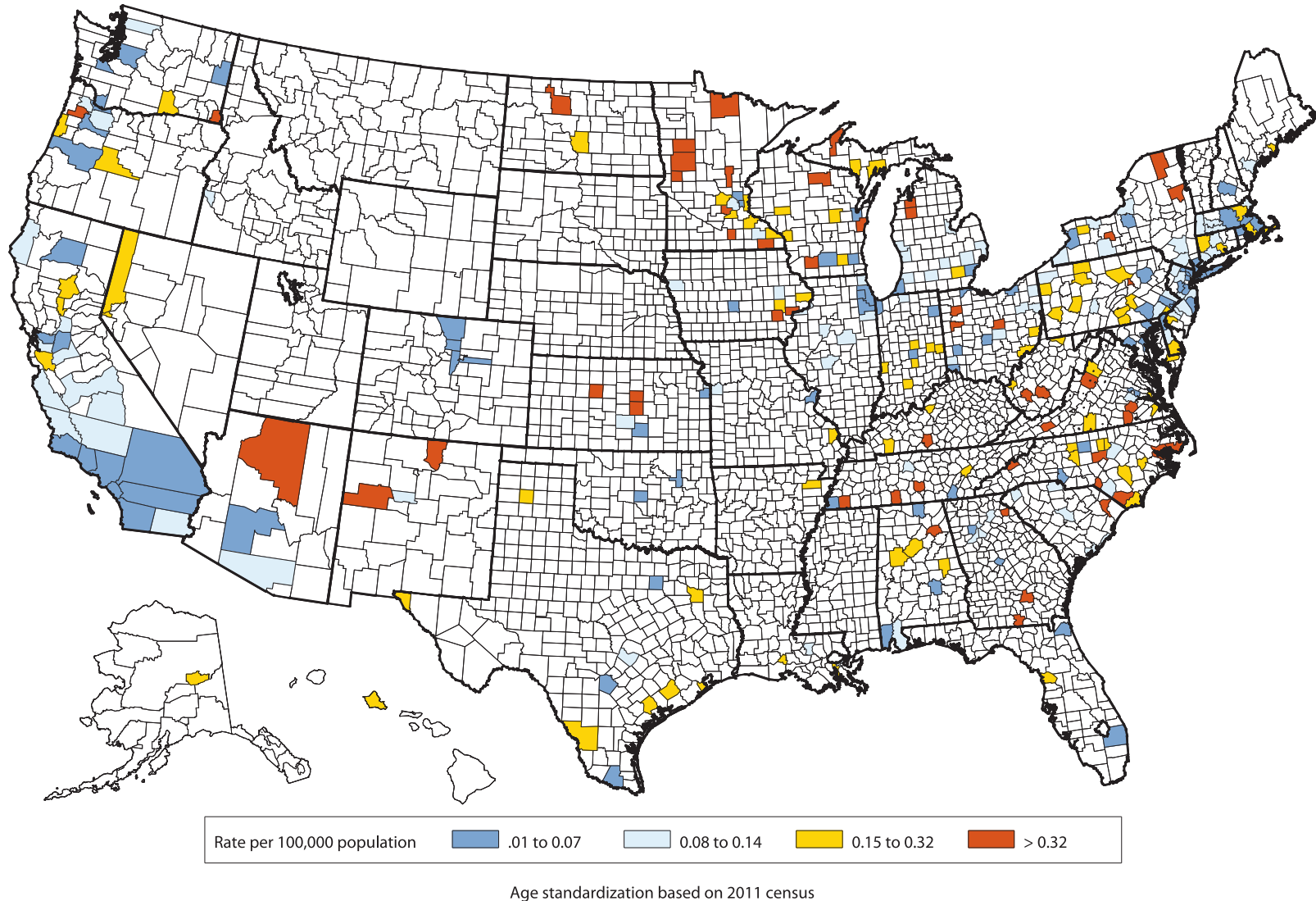
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



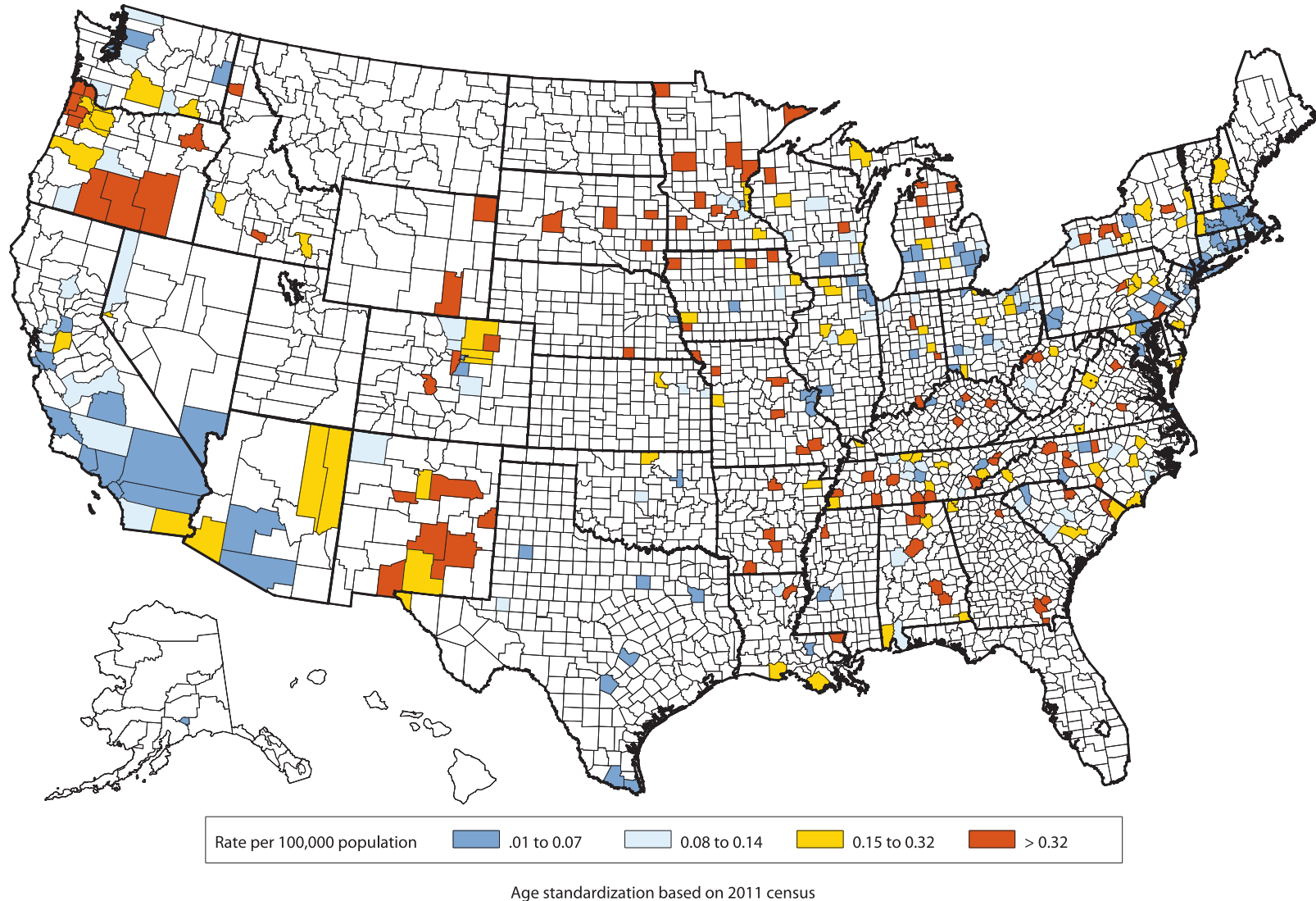
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



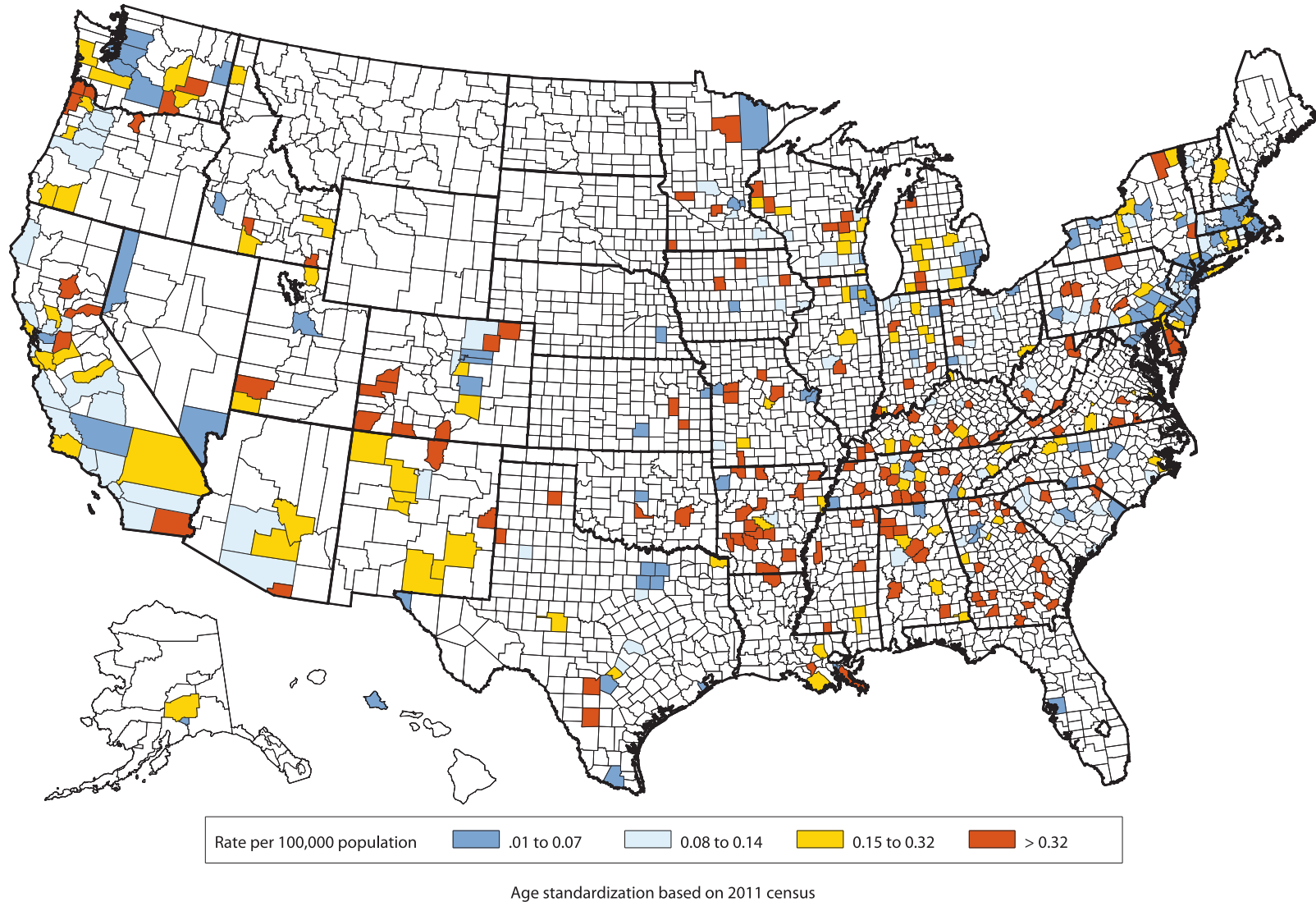
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Mississippi

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

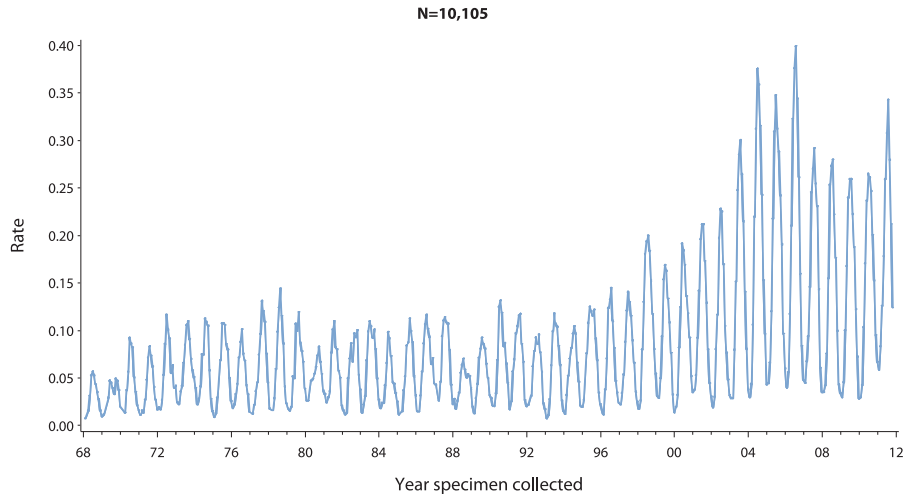


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

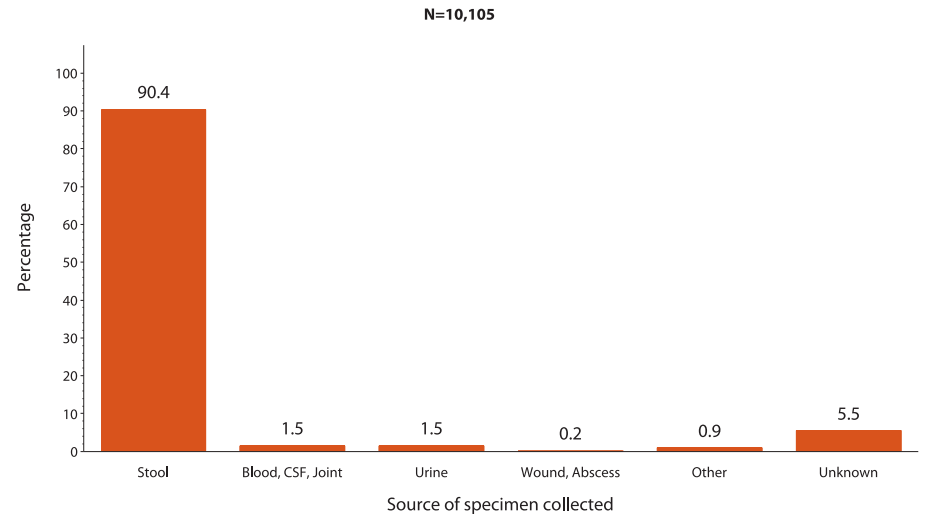


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

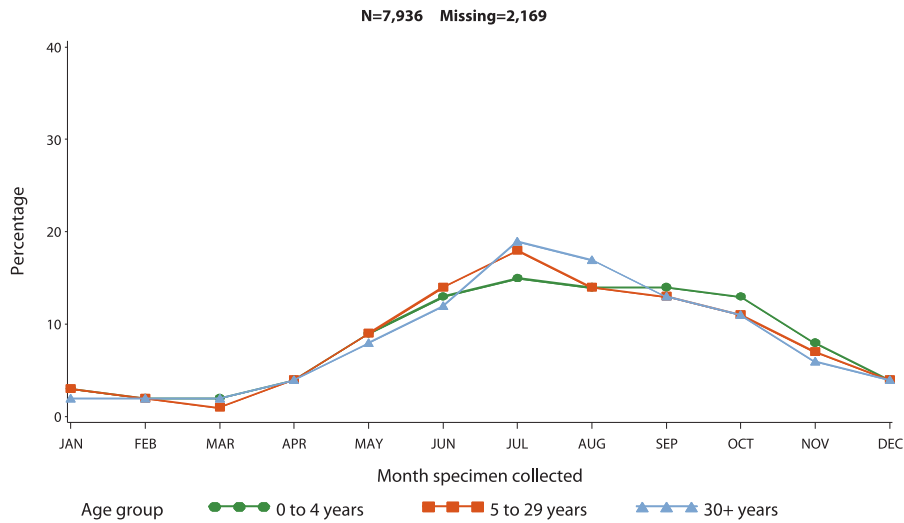
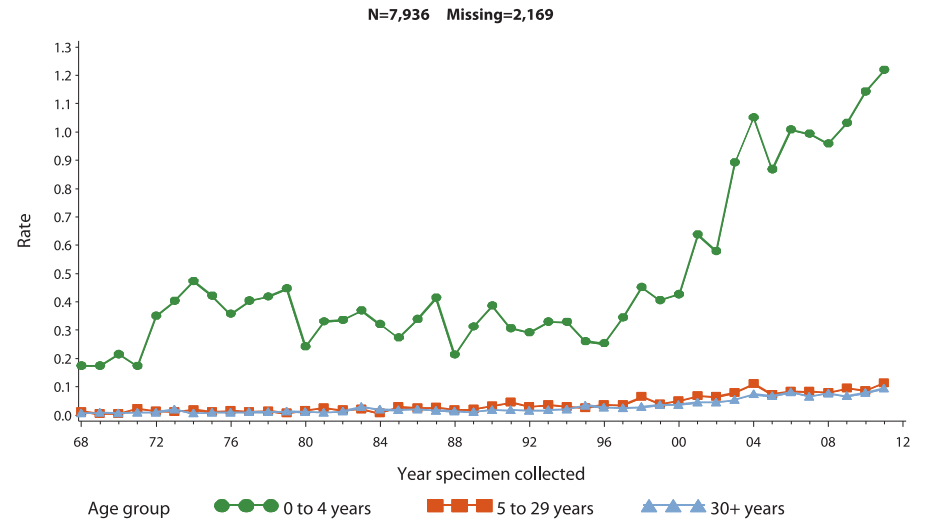


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Mississippi

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=7,936 Missing=2,615

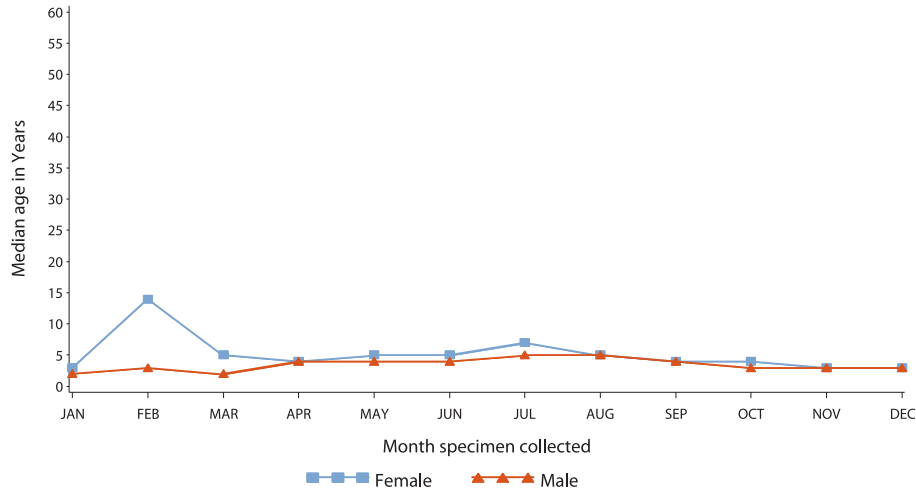


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=7,936 Missing=2,615

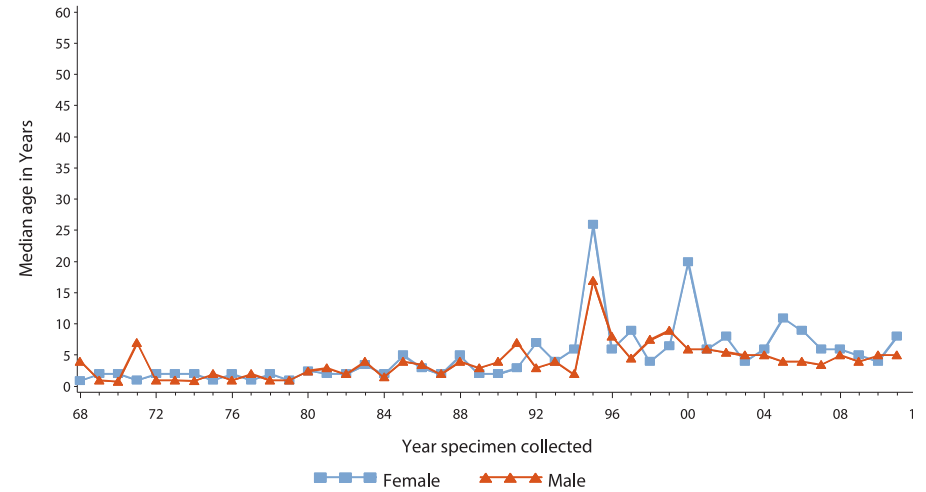


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=7,936 Missing=2,615

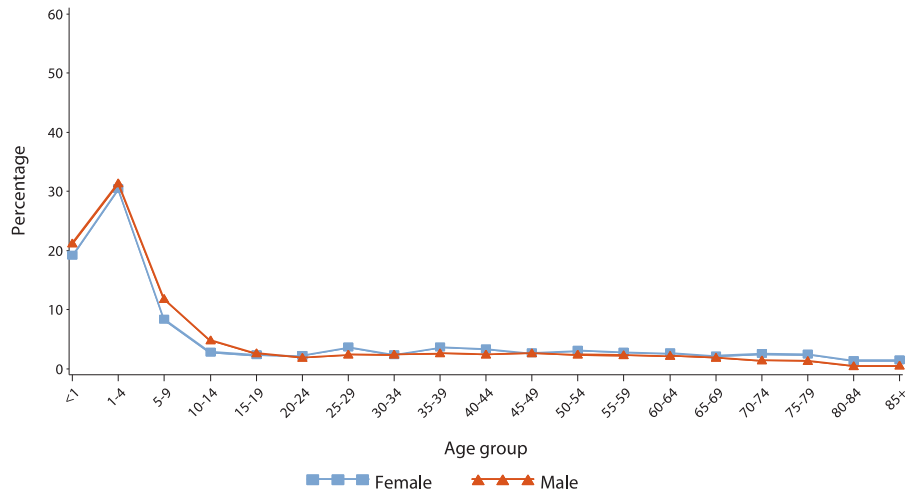


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=116

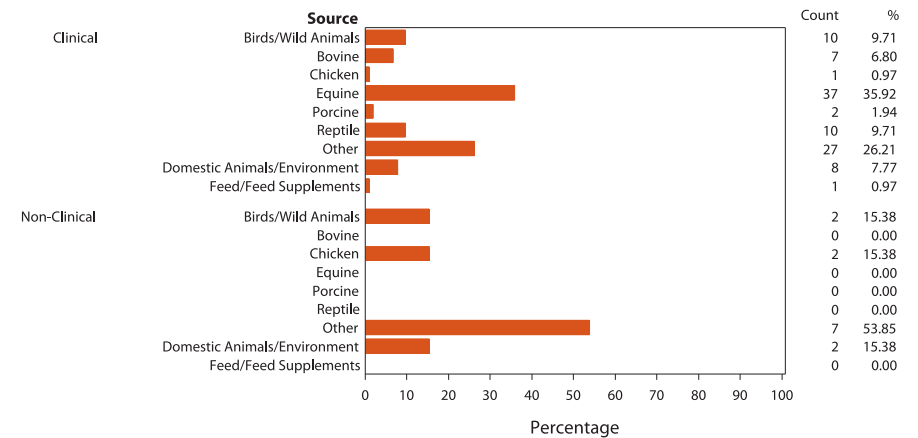
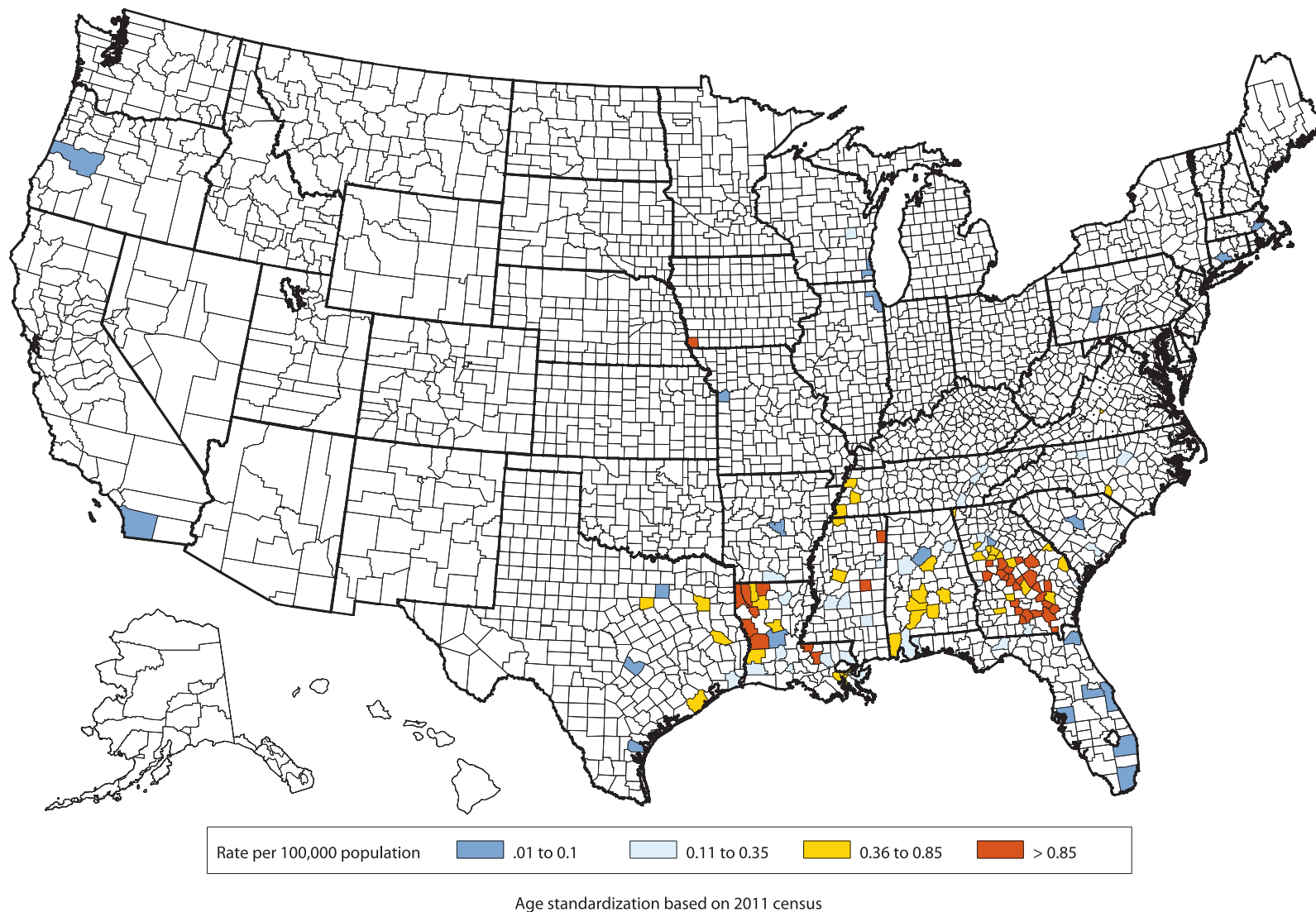
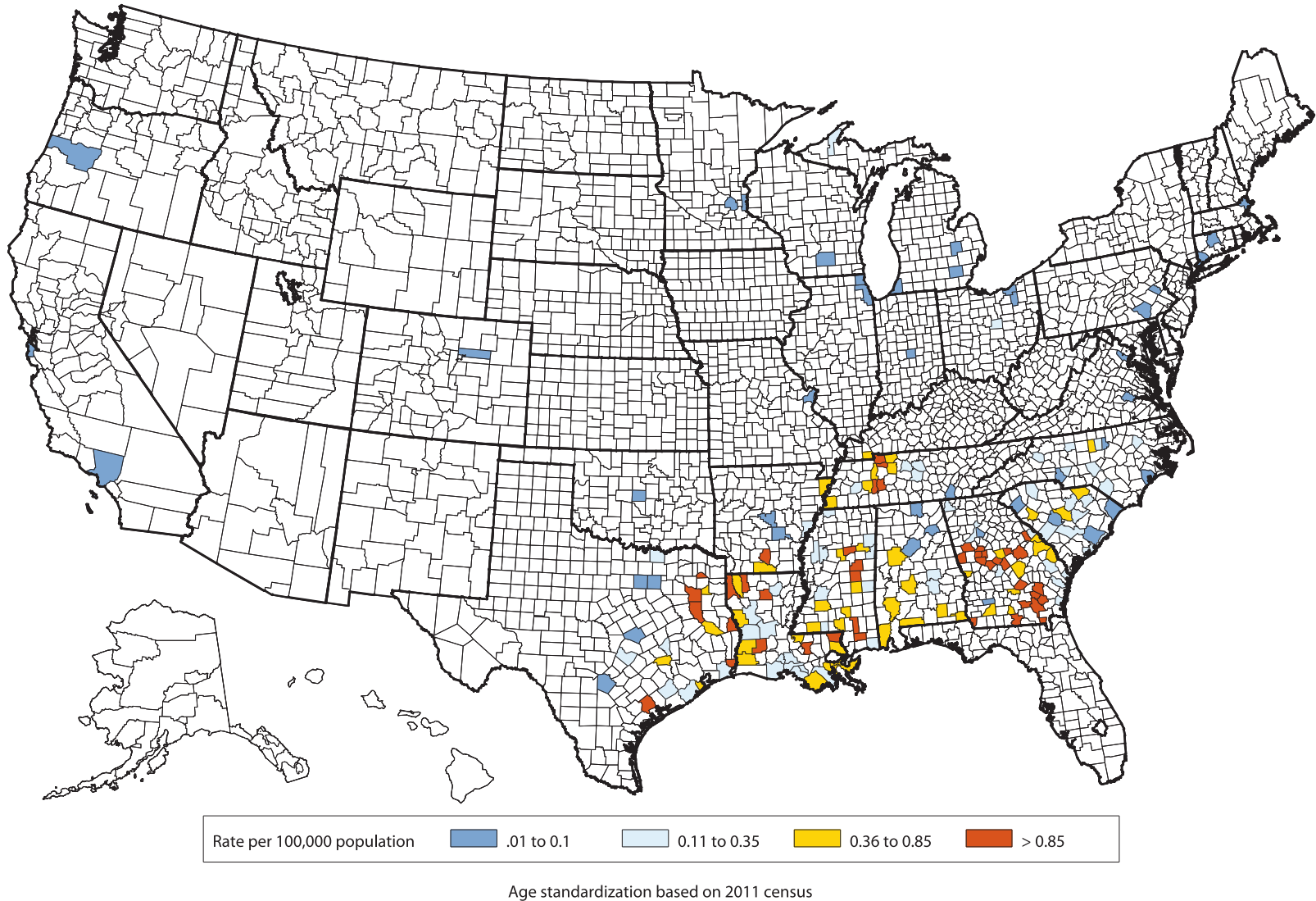


Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



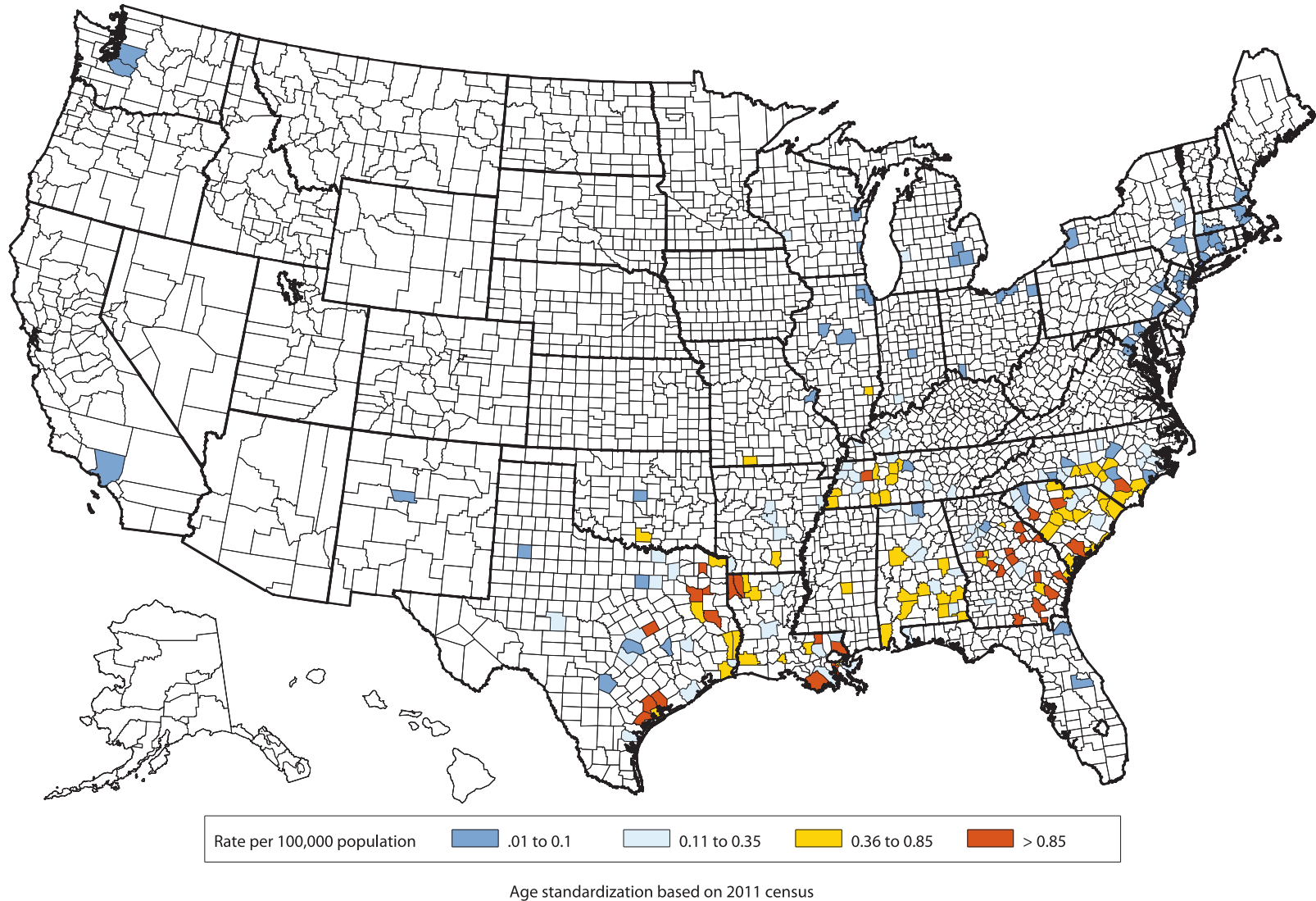
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



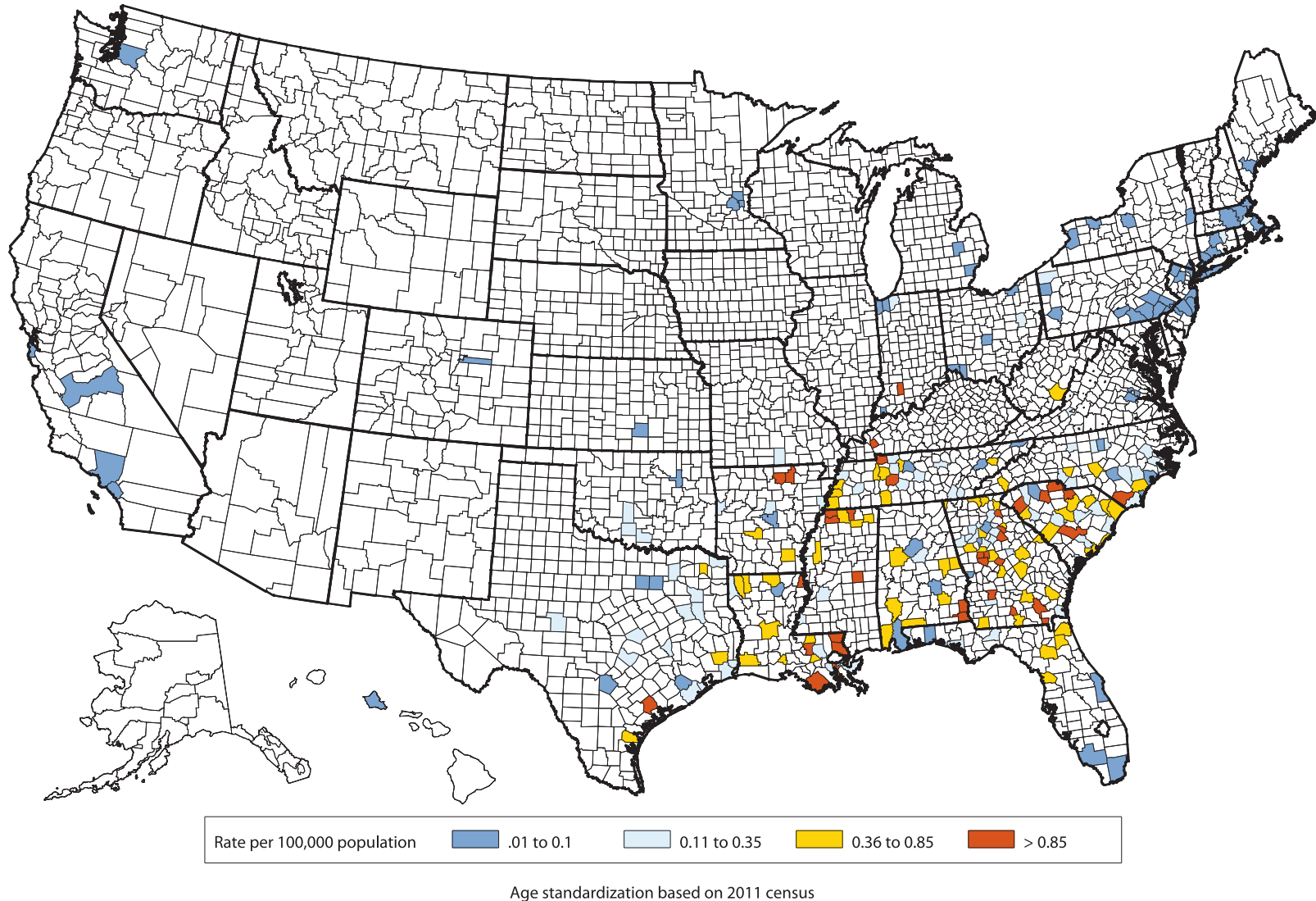
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



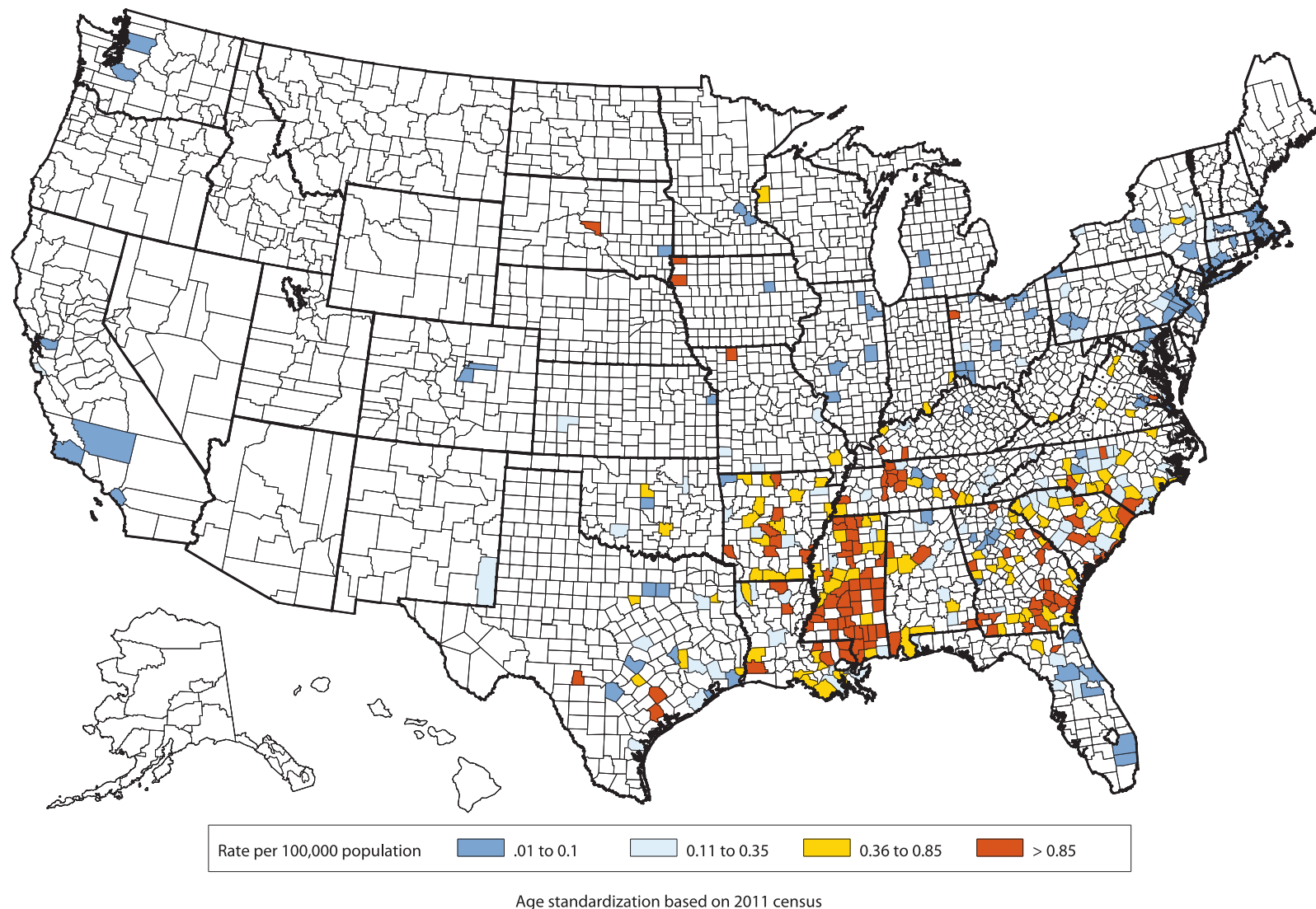
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



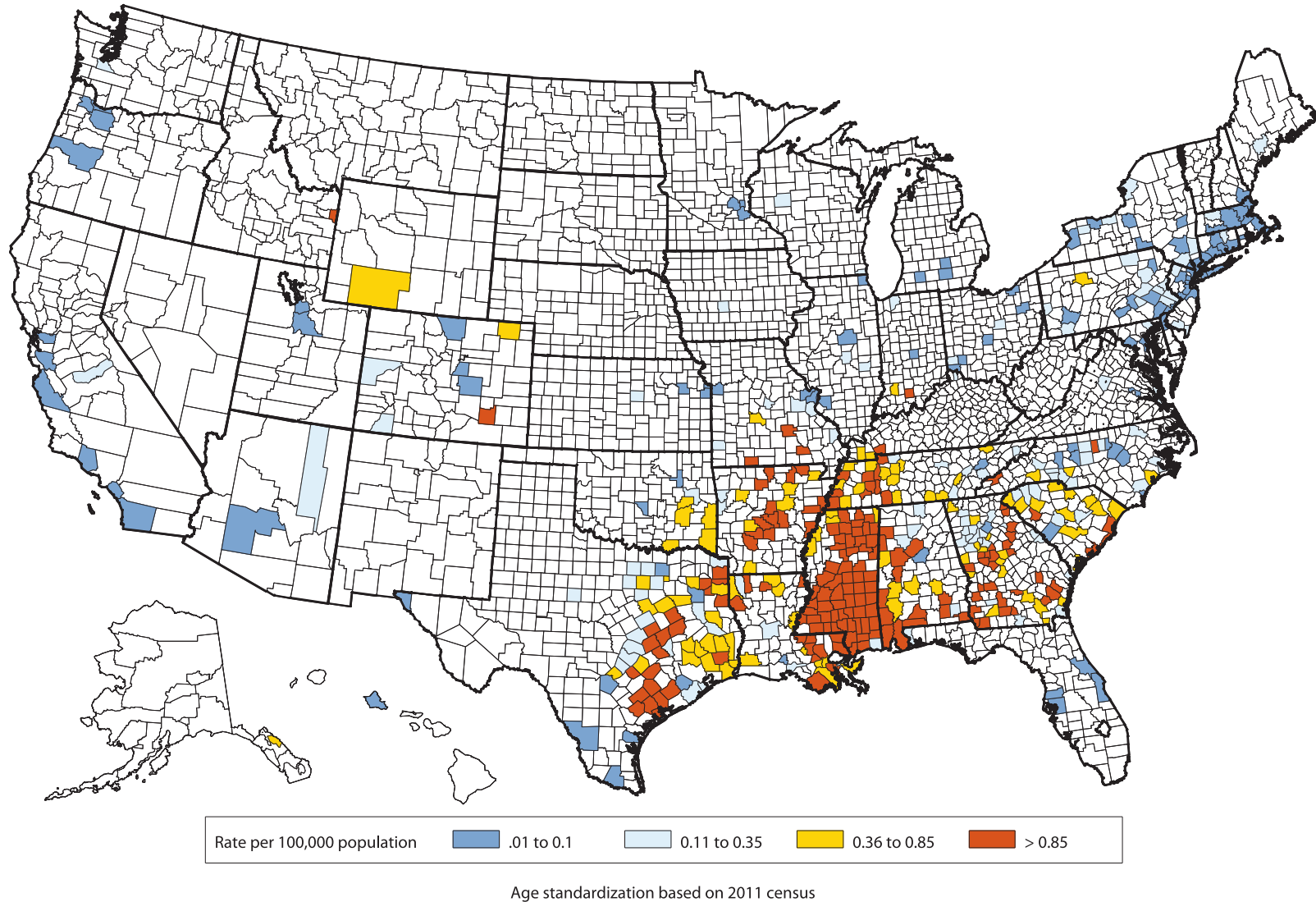
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Montevideo

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

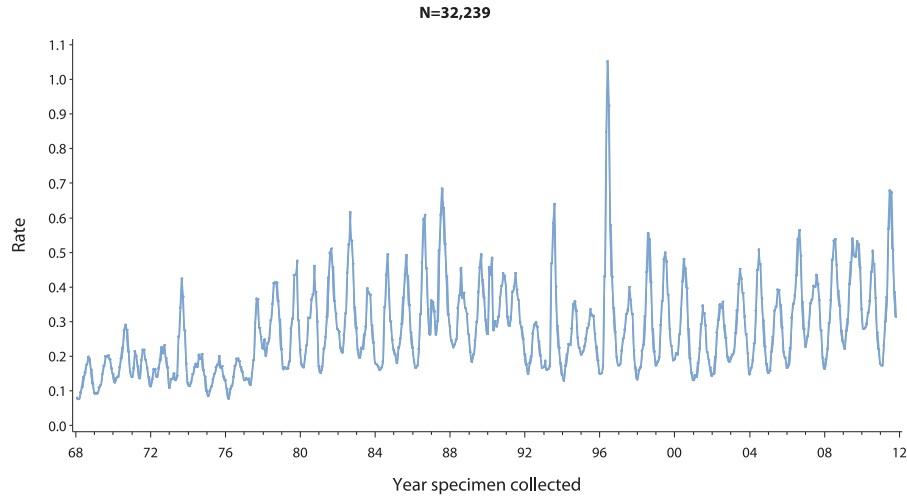


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

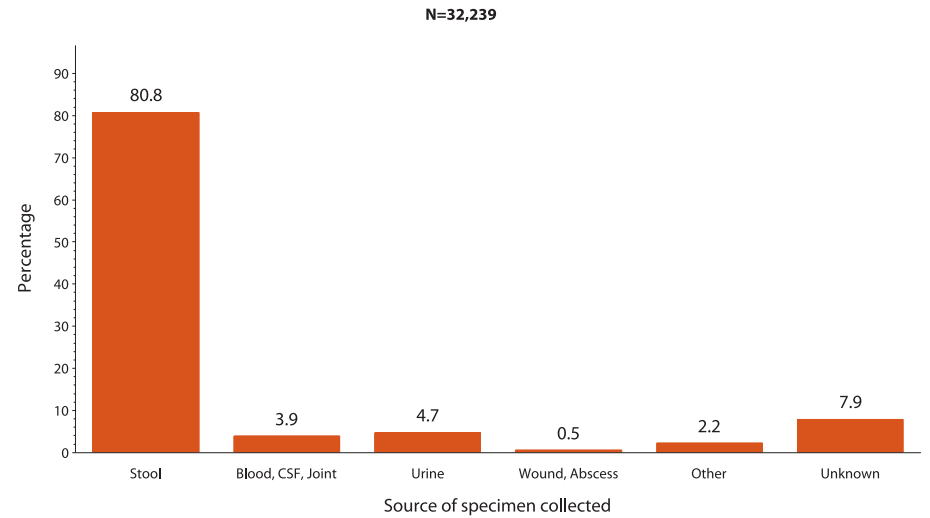


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

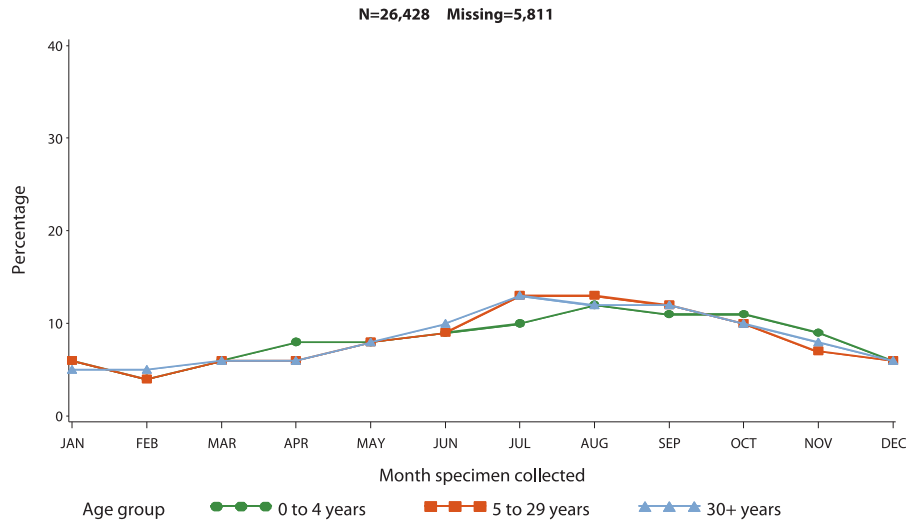
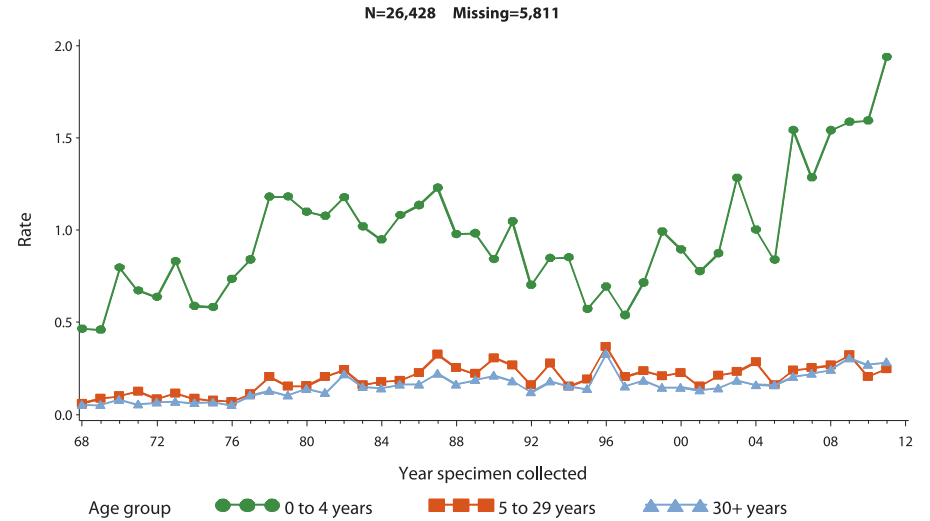


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Montevideo

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=26,428 Missing=6,569

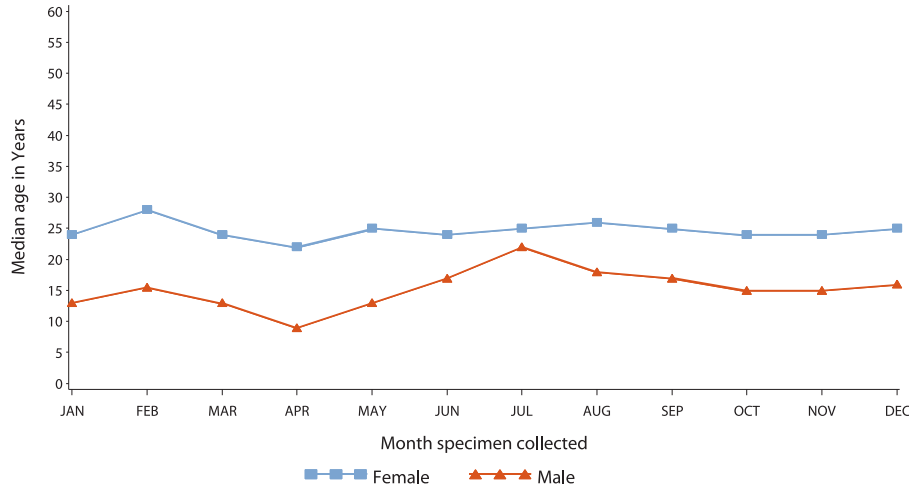


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=26,428 Missing=6,569

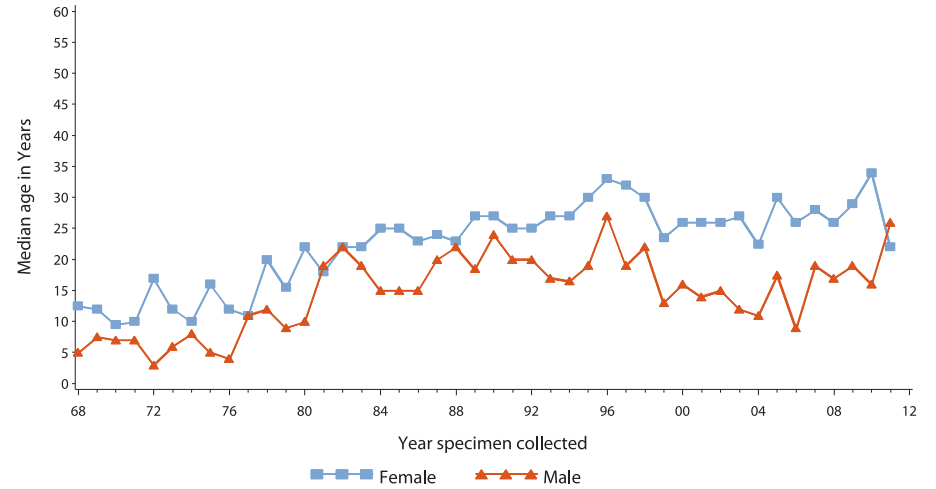


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=26,428 Missing=6,569

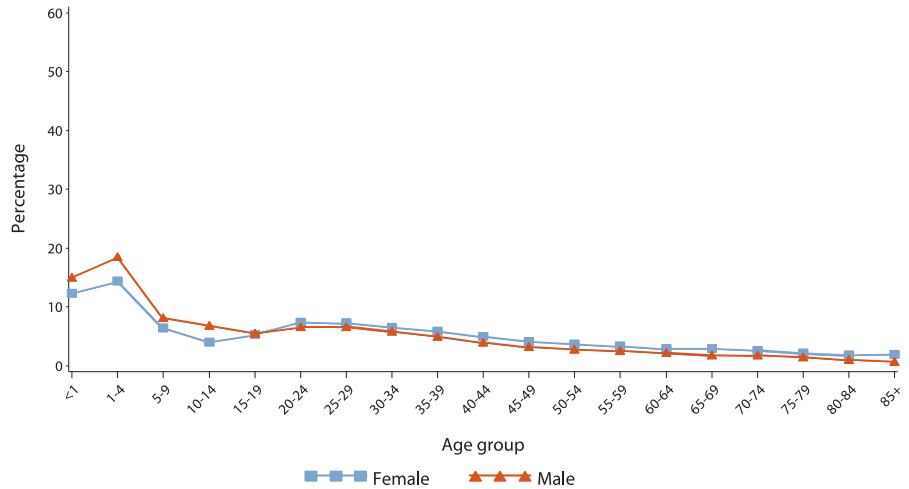


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=18,245

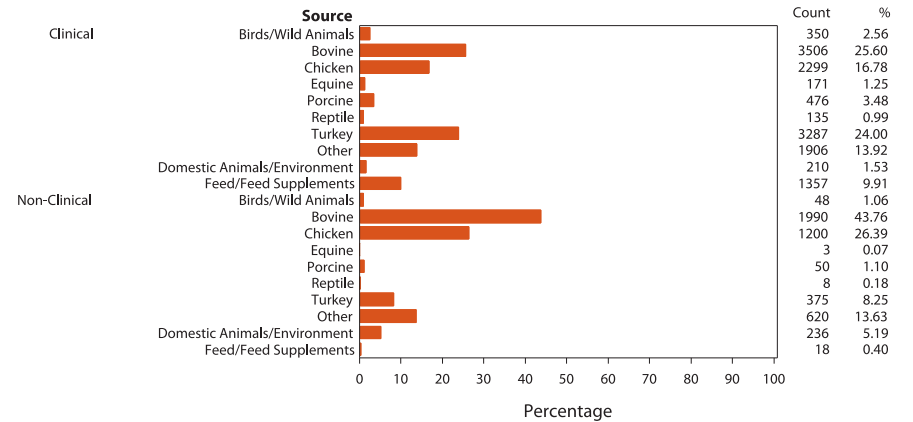
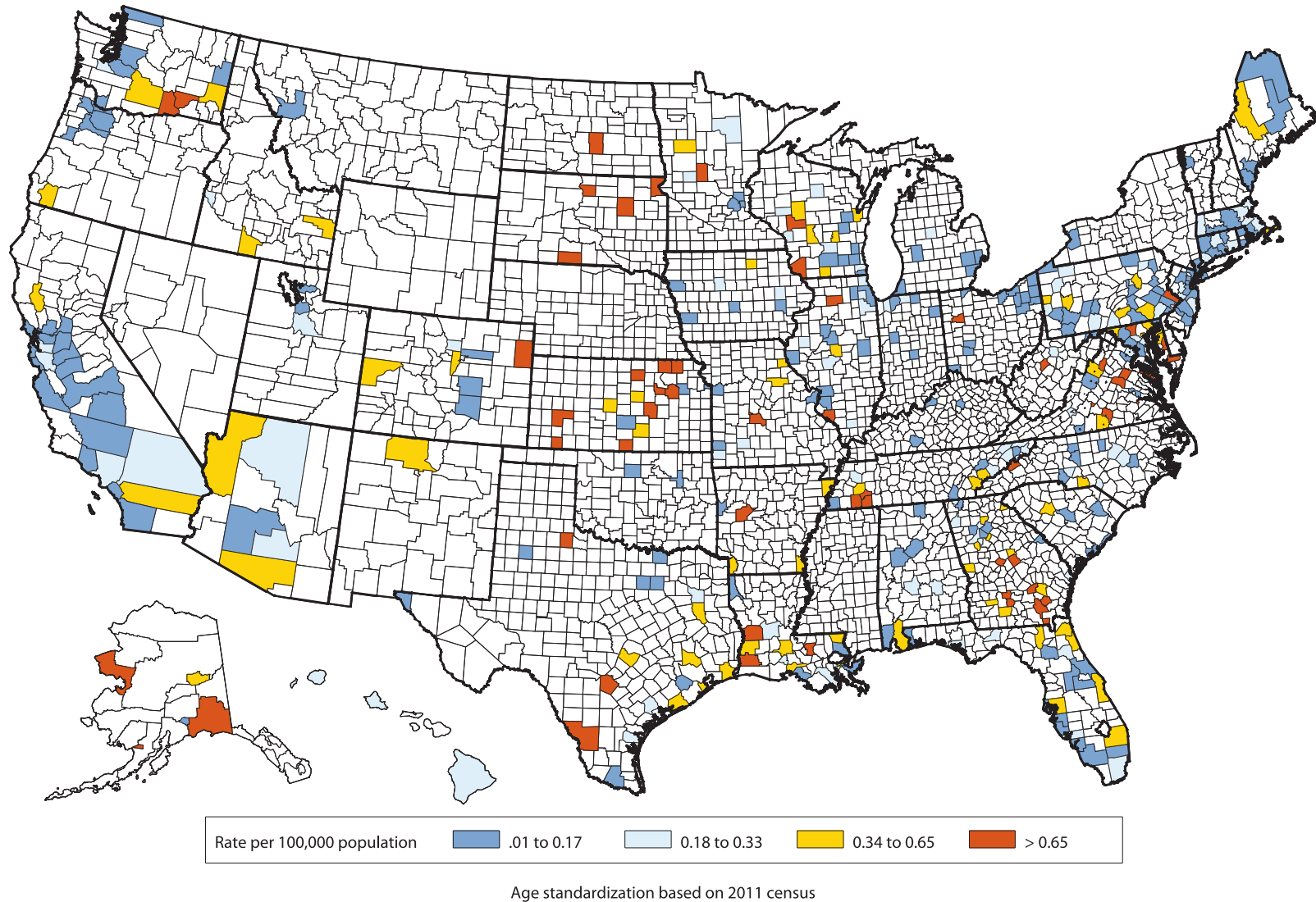
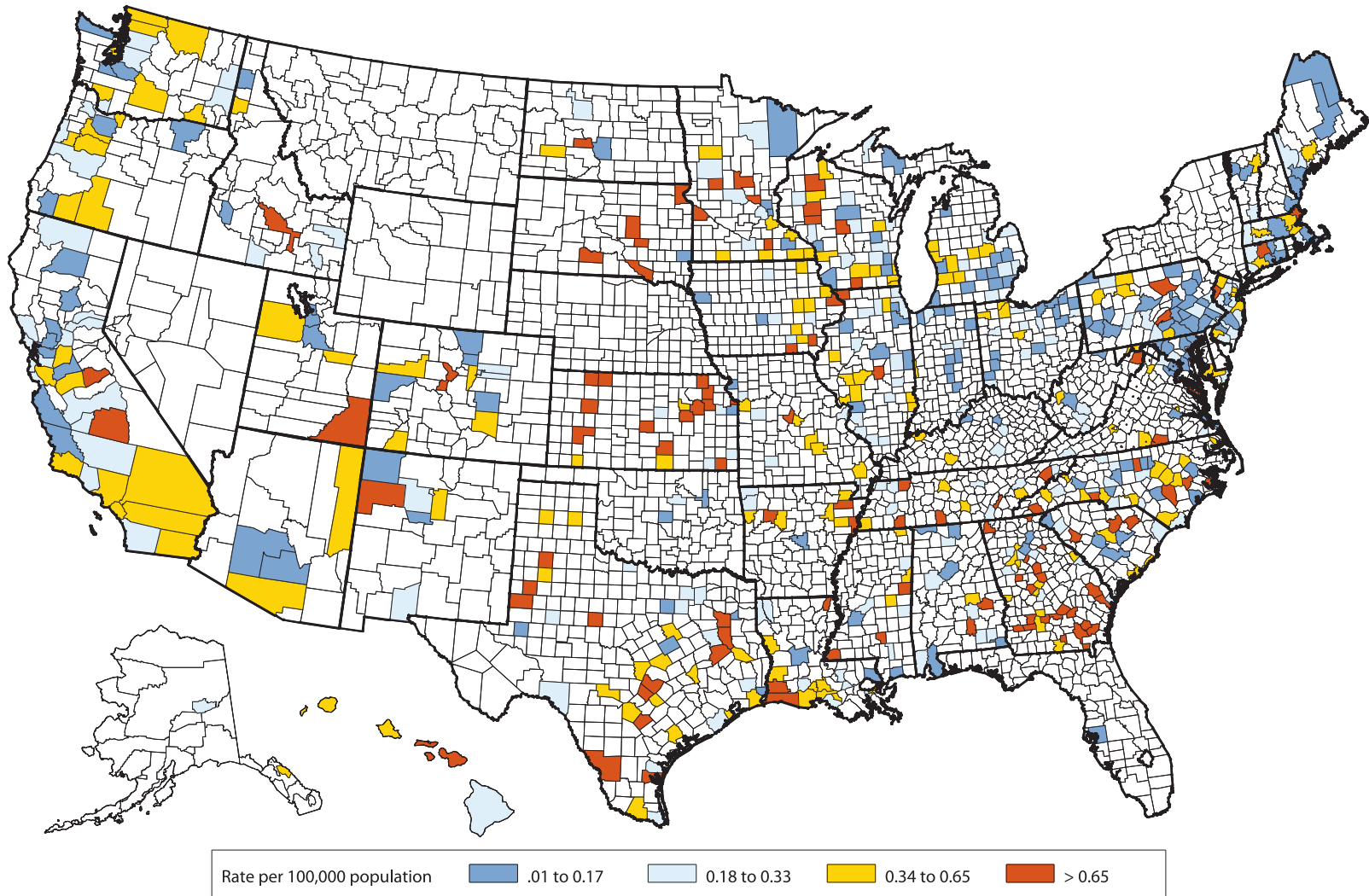


Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

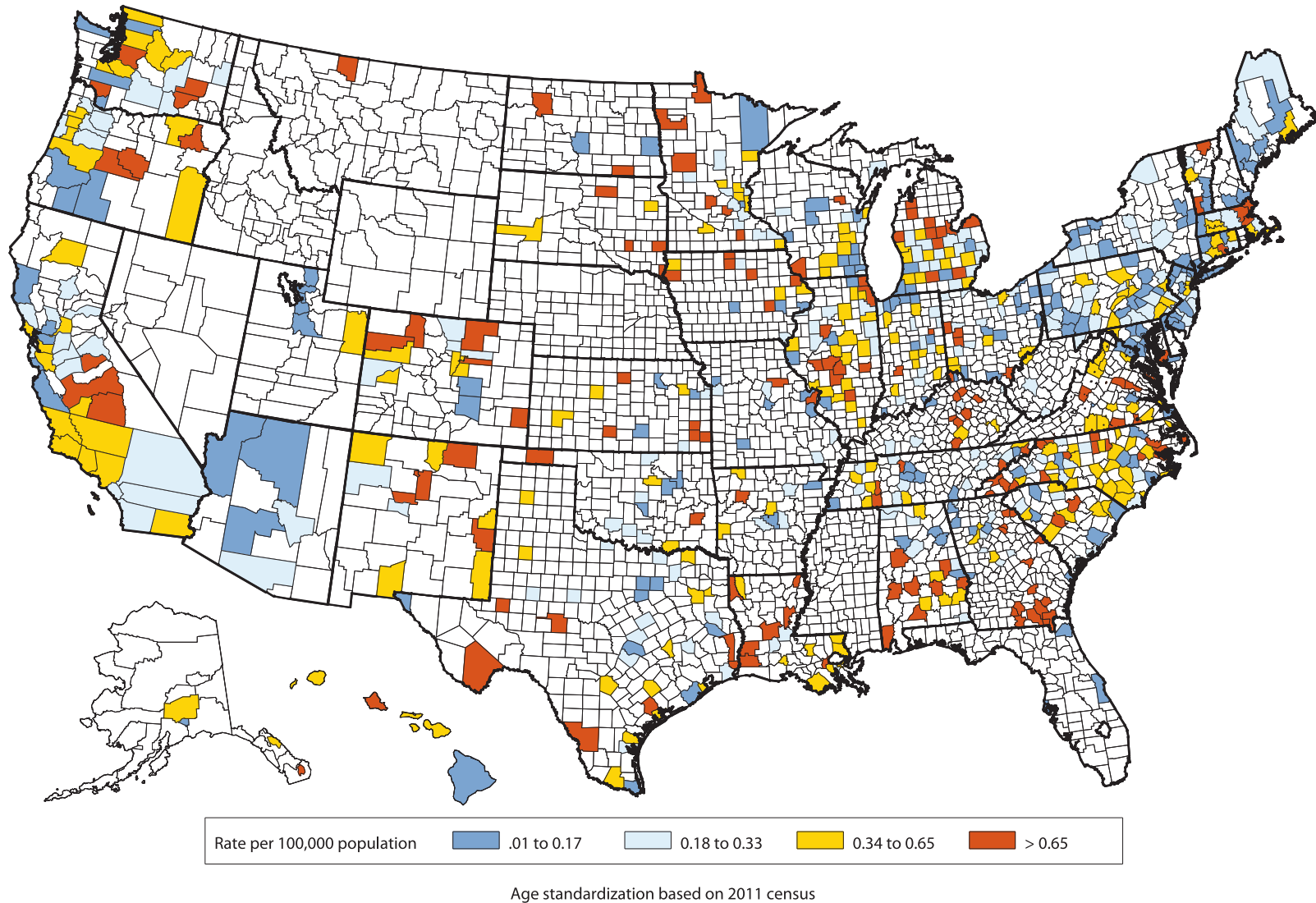
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

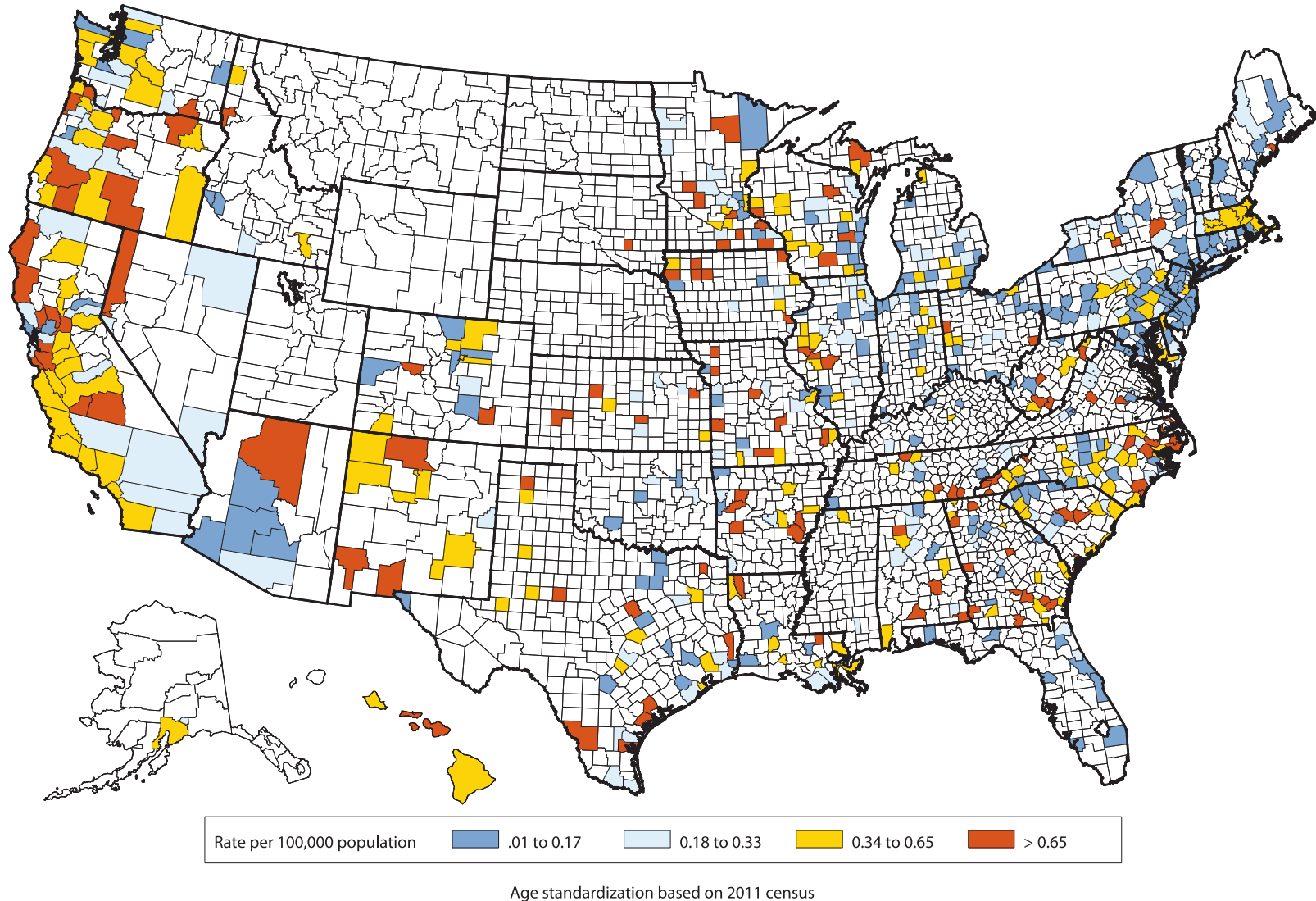
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



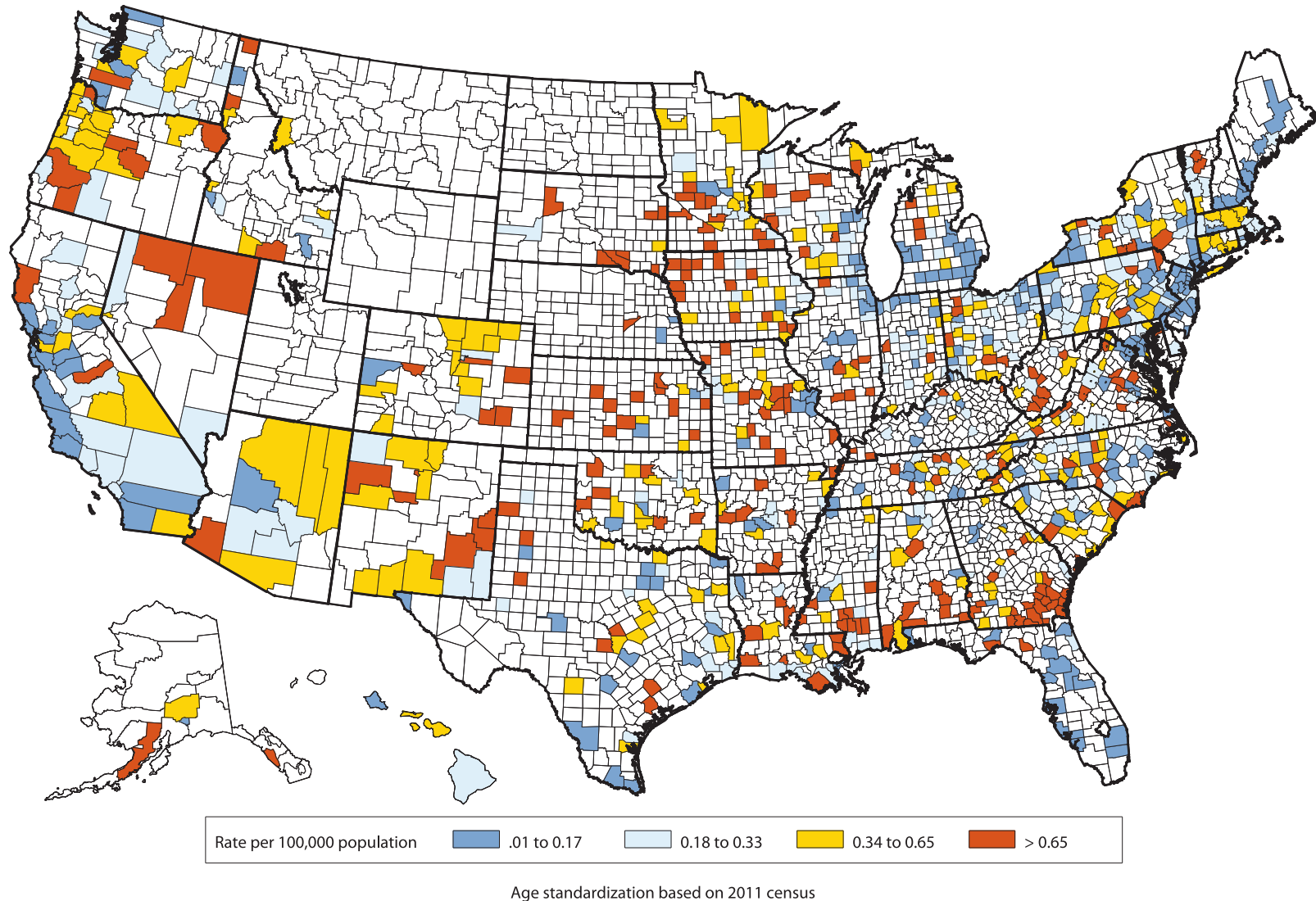
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



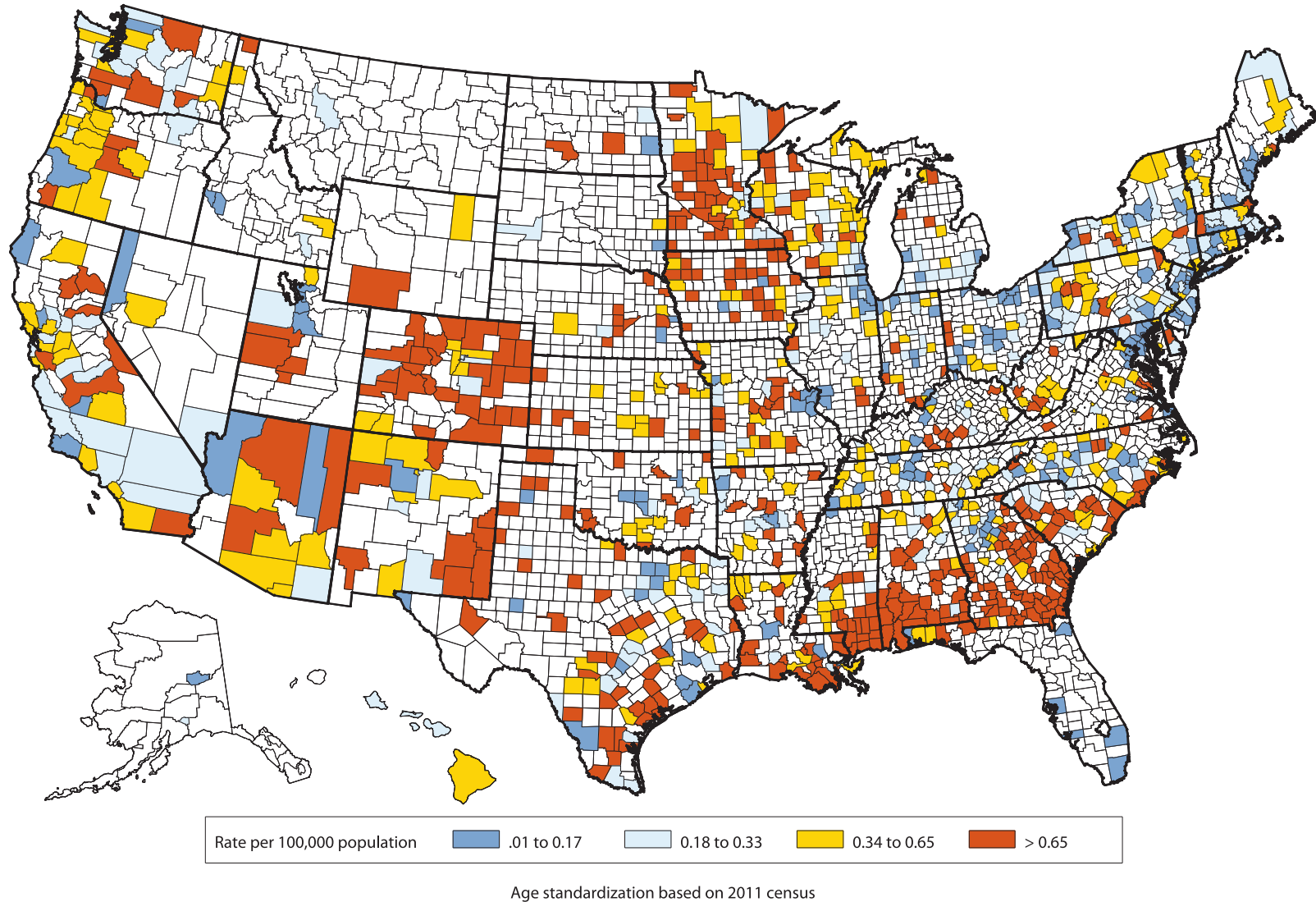
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



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Salmonella serotype Muenchen

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

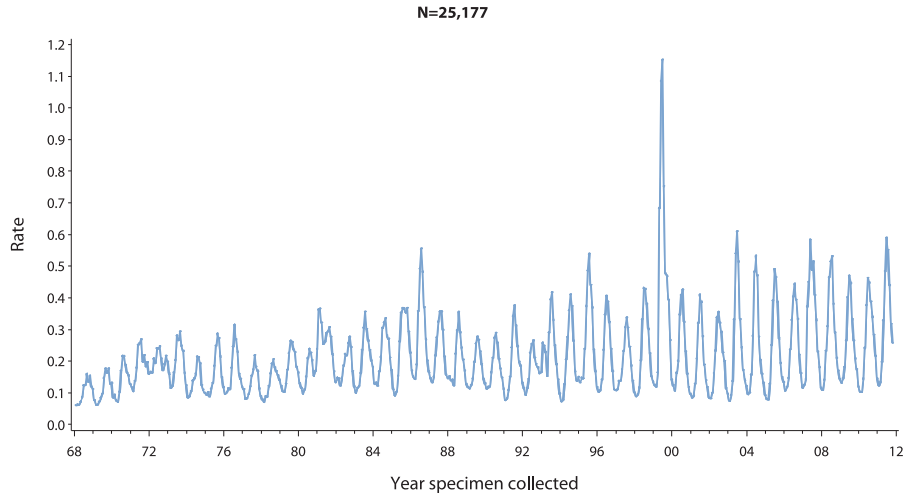


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

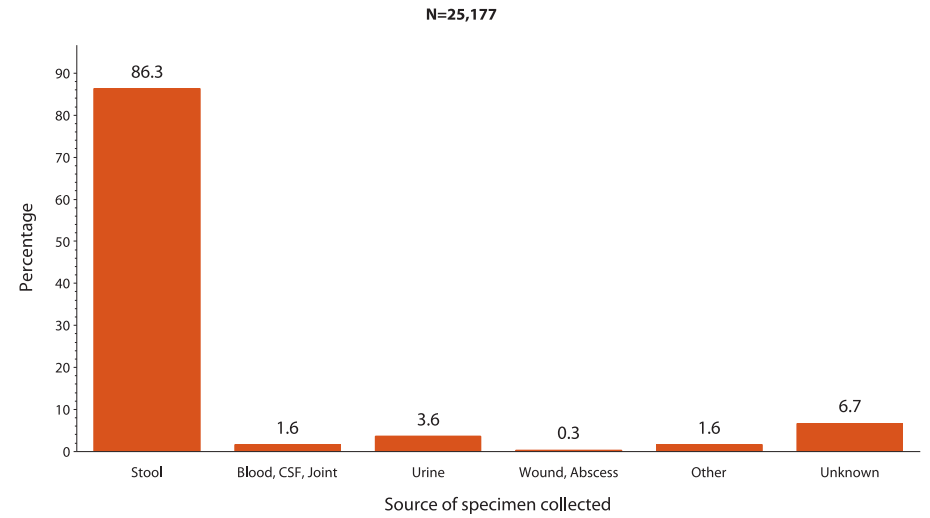


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

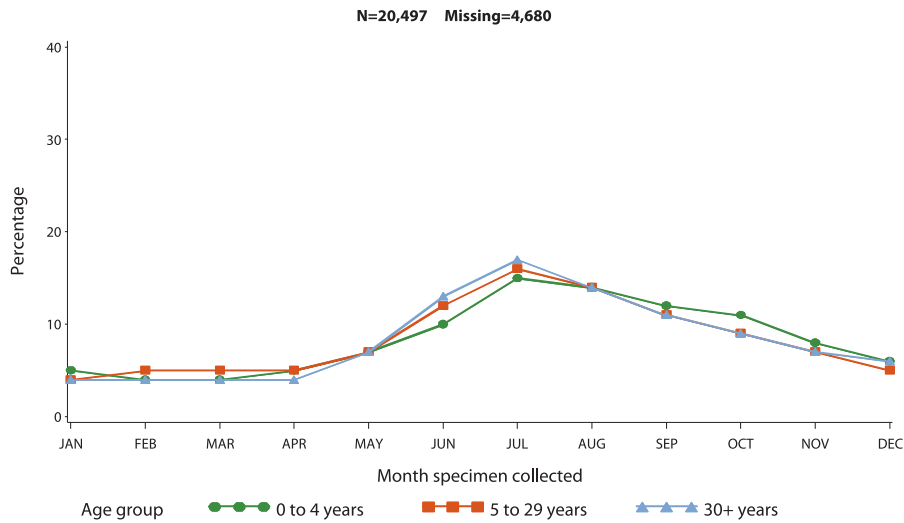
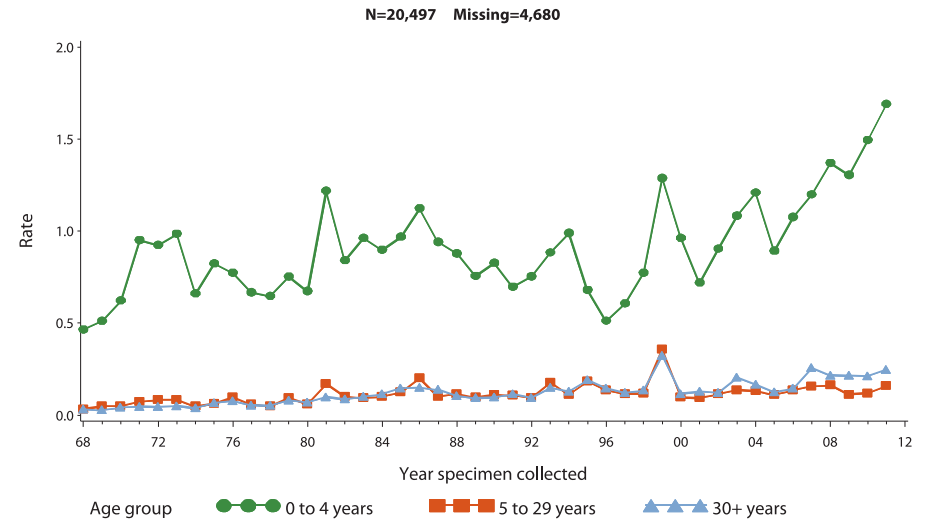


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Muenchen

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=20,497 Missing=5,379

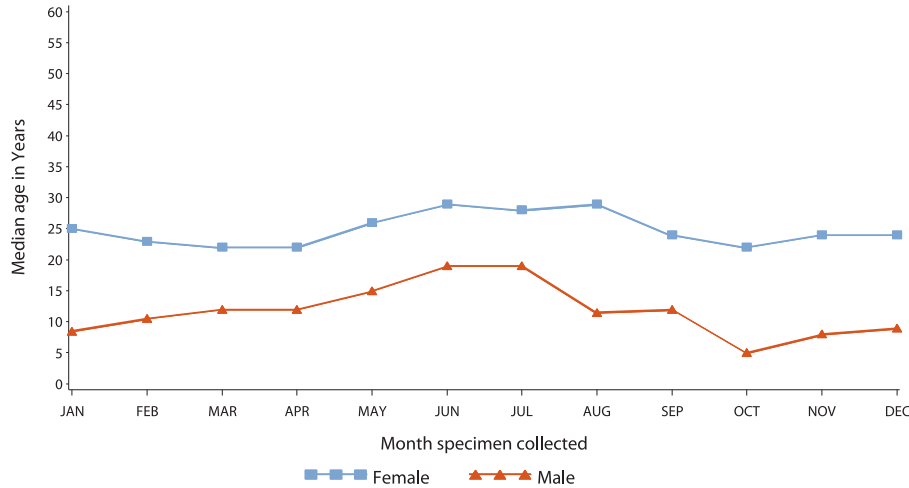


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=20,497 Missing=5,379

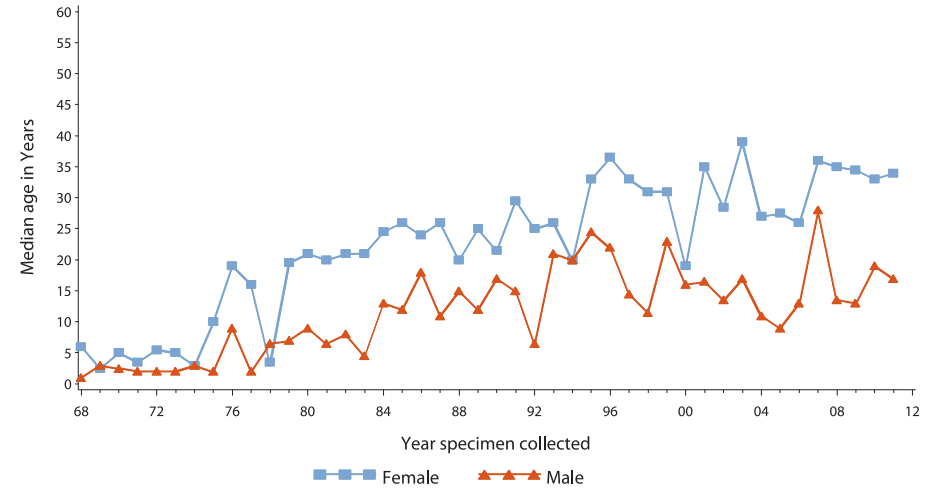


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=20,497 Missing=5,379

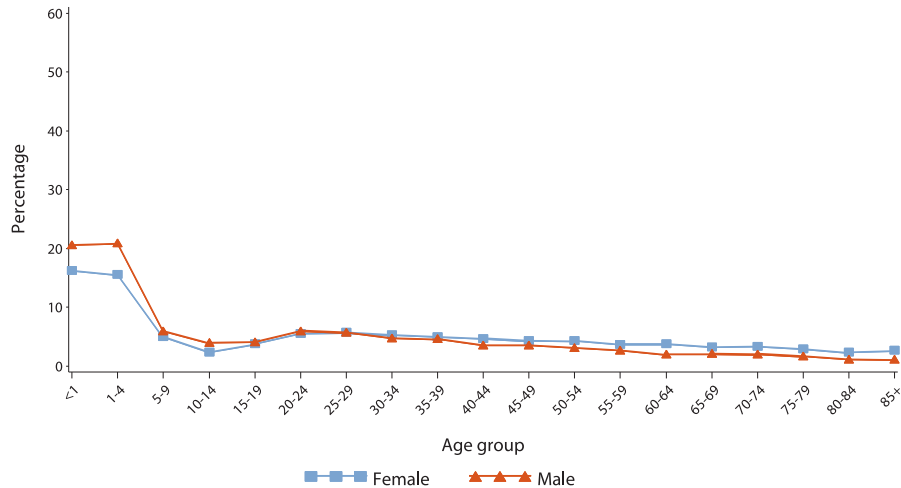


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=4,221

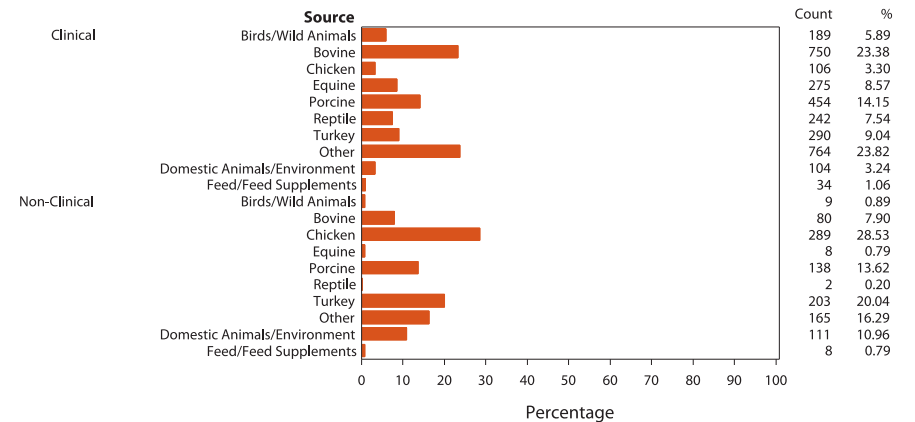
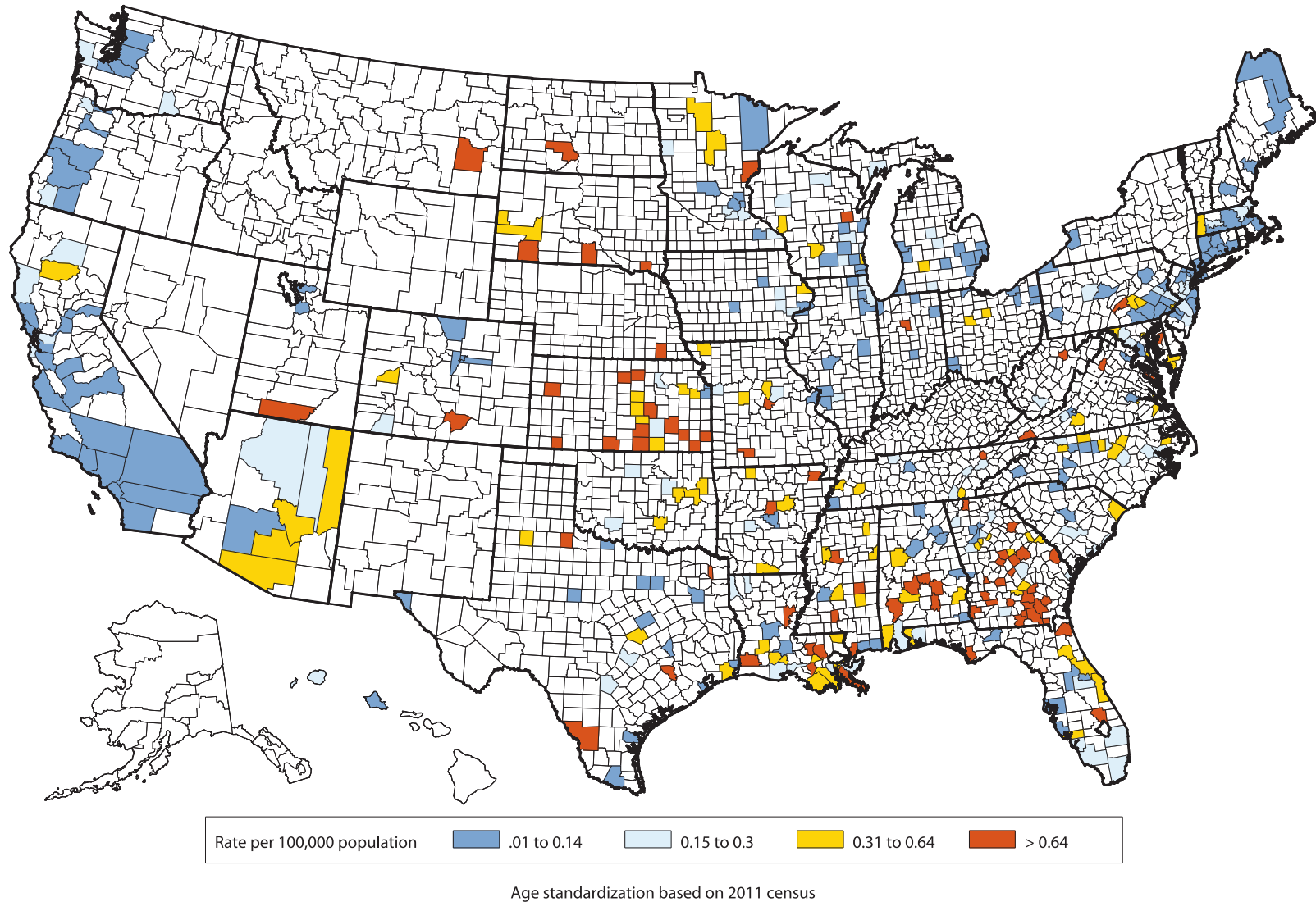
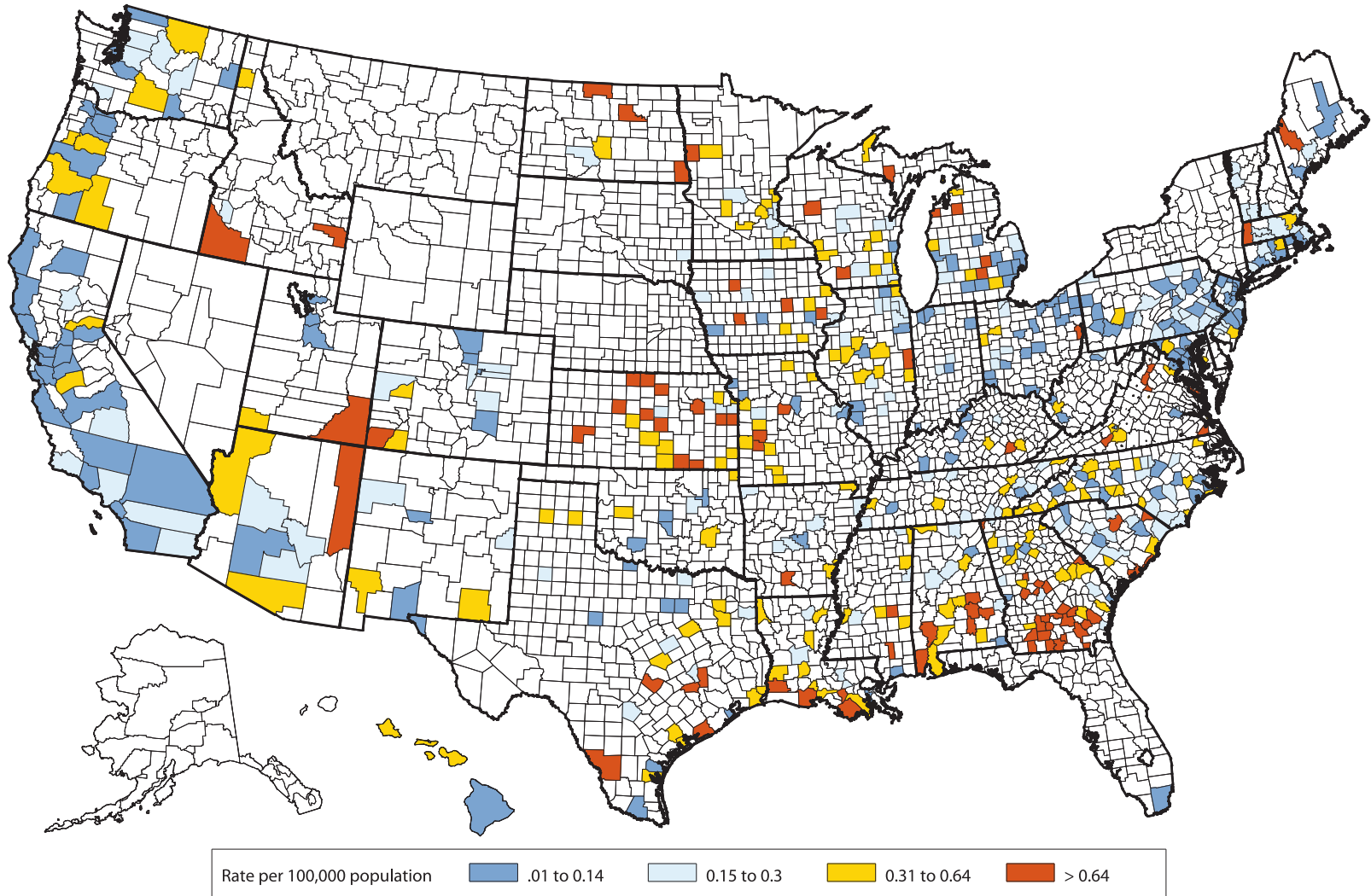


Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

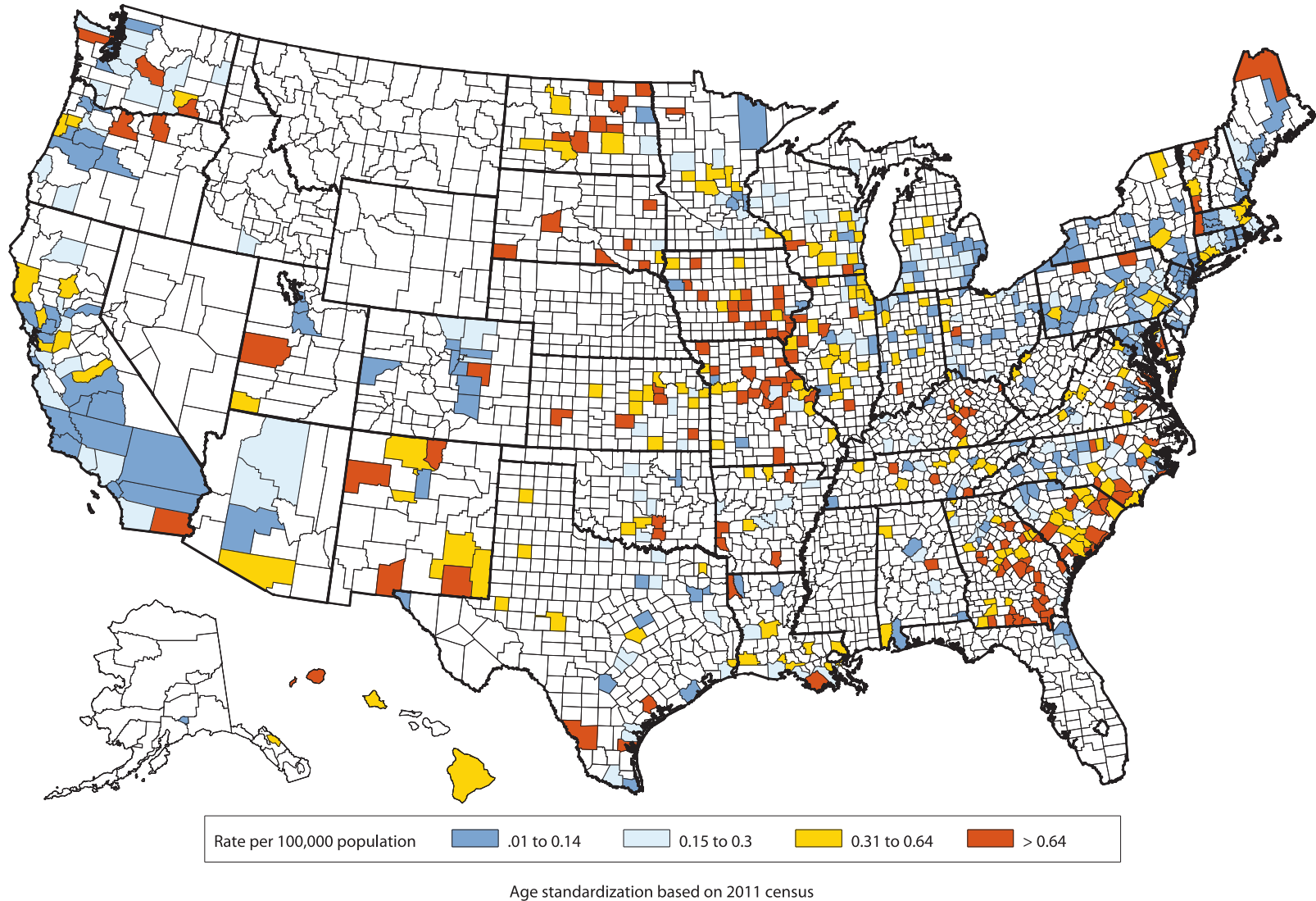
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

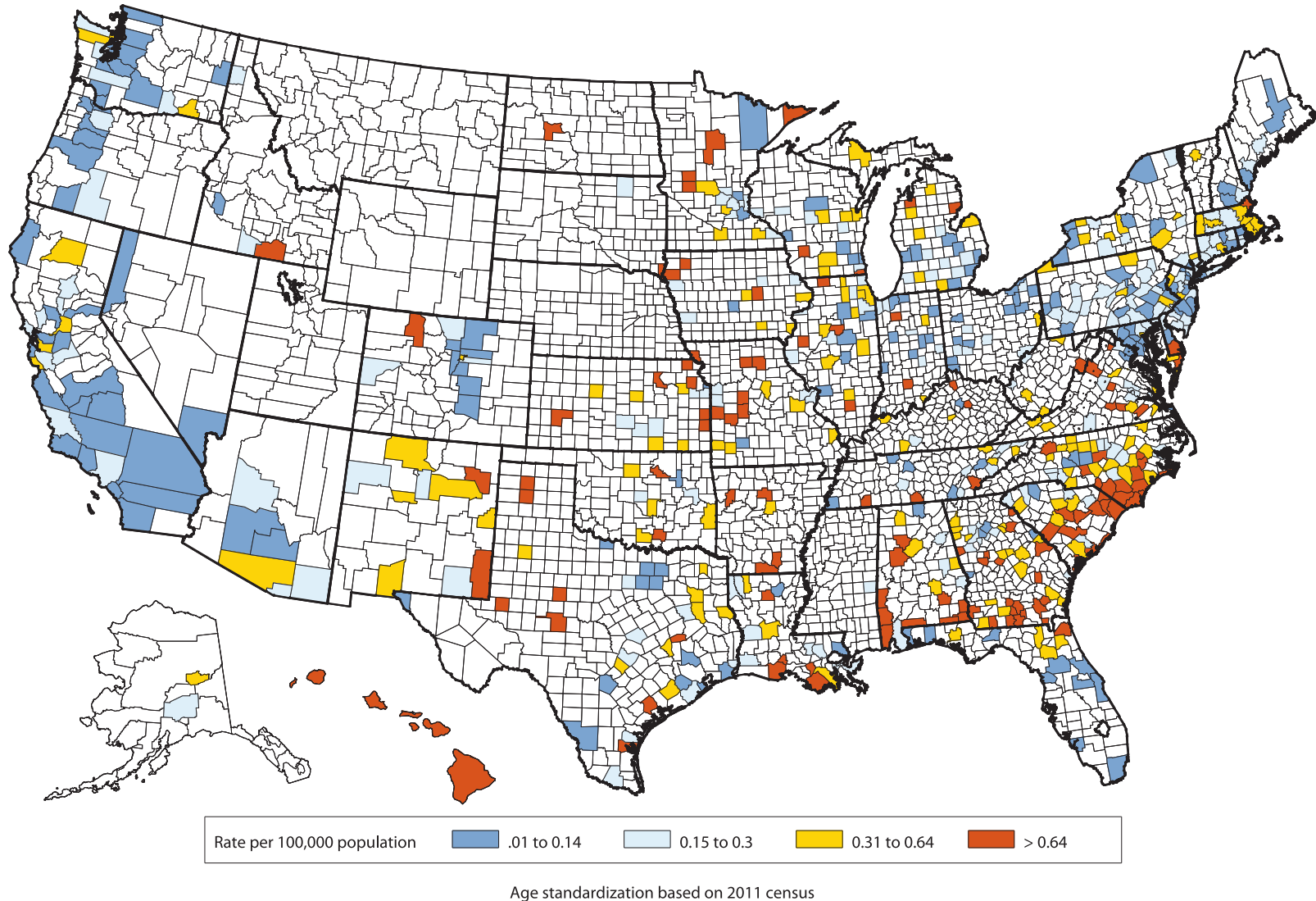
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



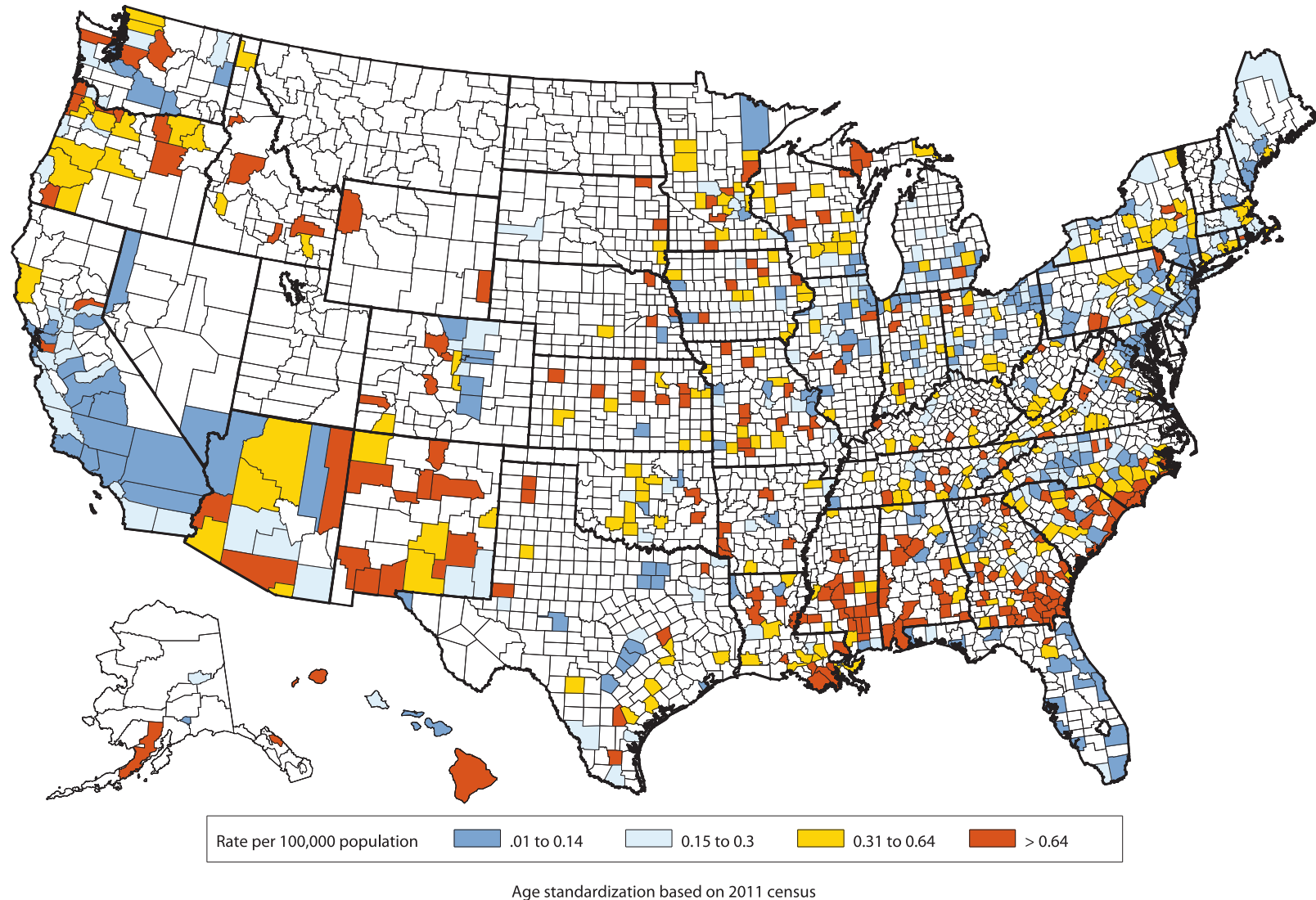
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



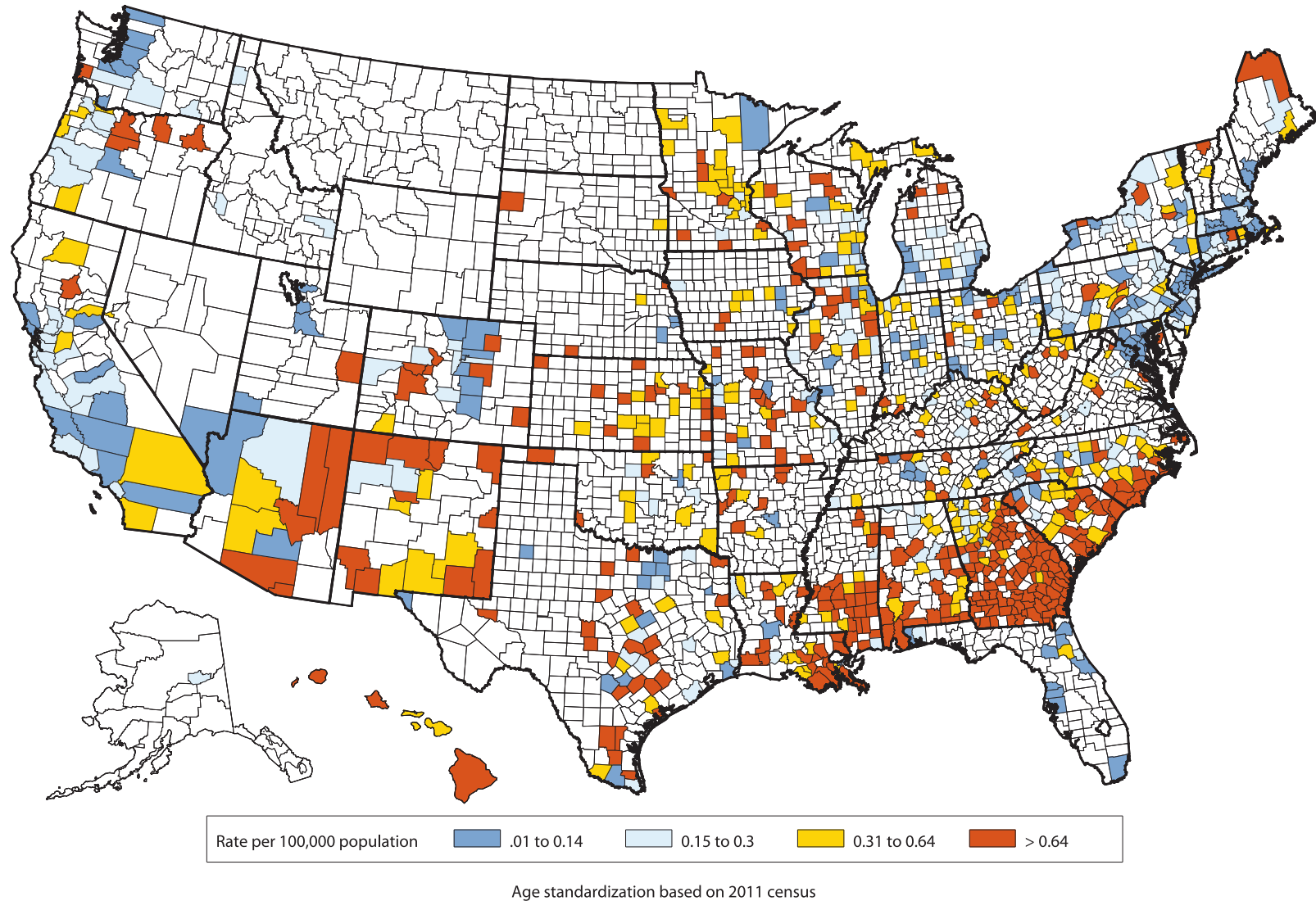
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



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Salmonella serotype Newport

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

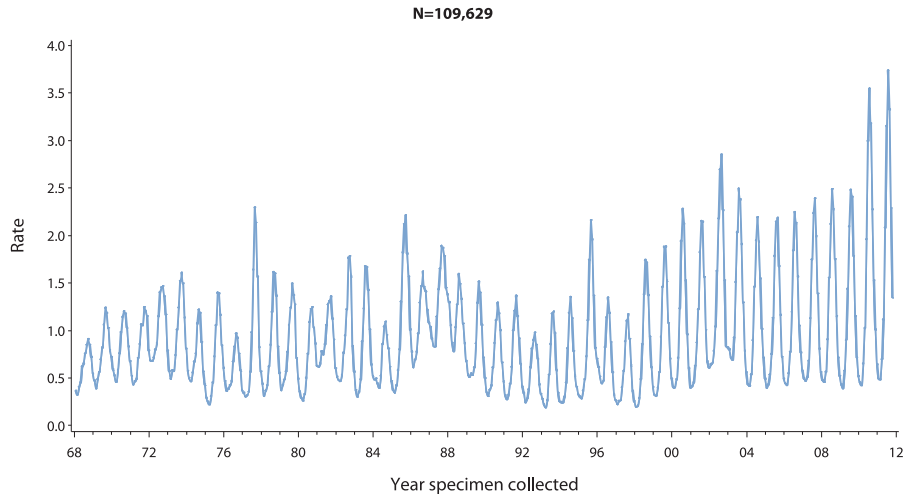


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

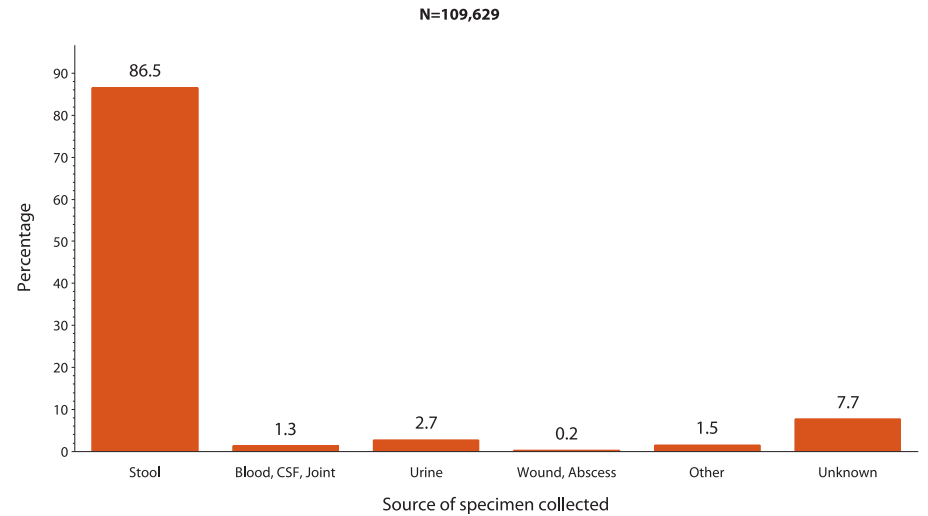


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

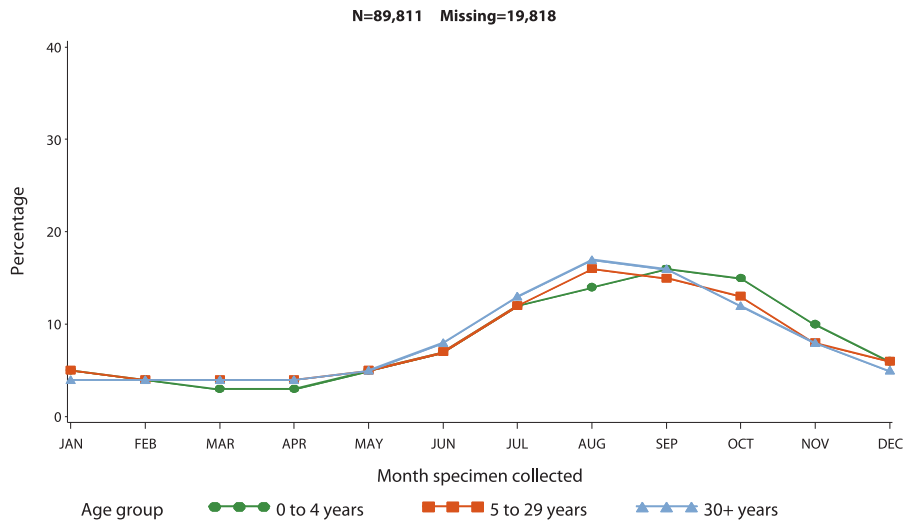
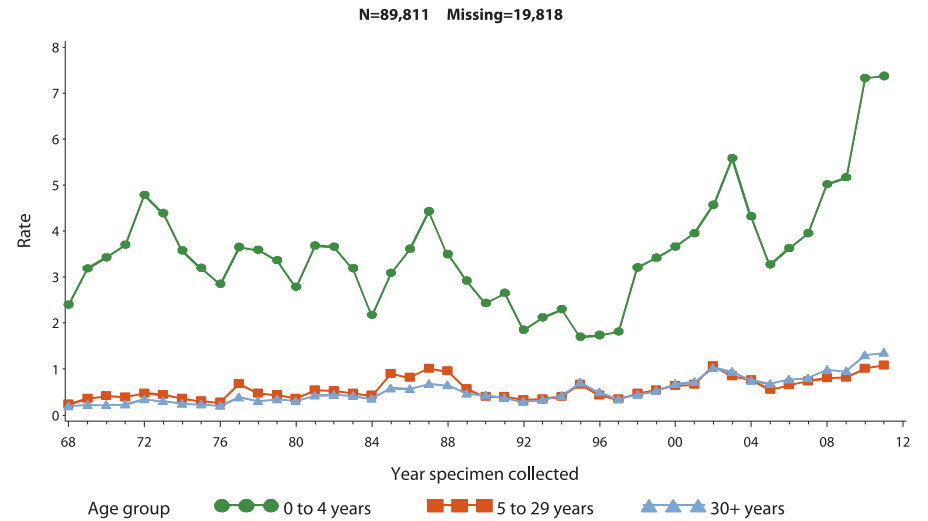


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Newport

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=89,811 Missing=22,525

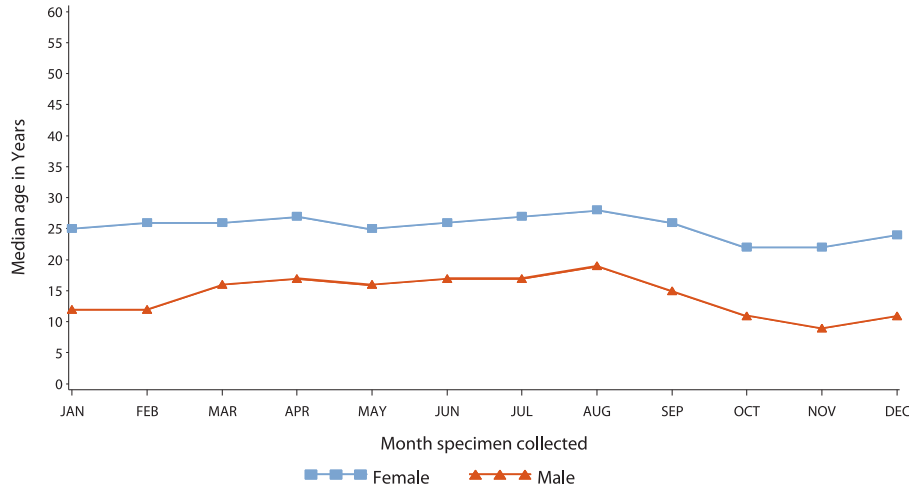


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=89,811 Missing=22,525

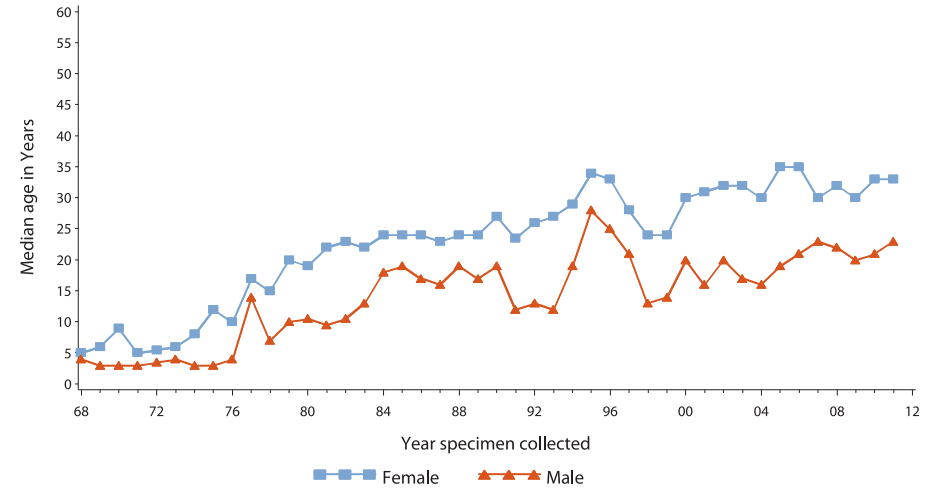


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=89,811 Missing=22,525

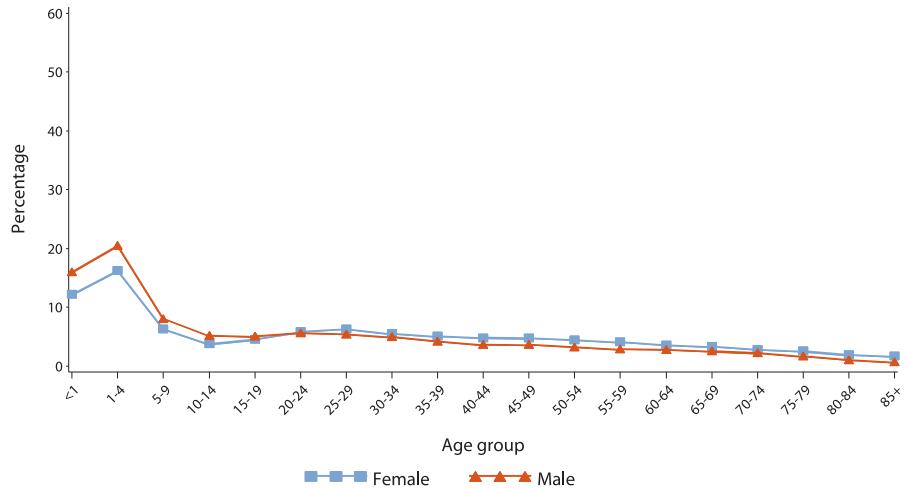


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=14,811

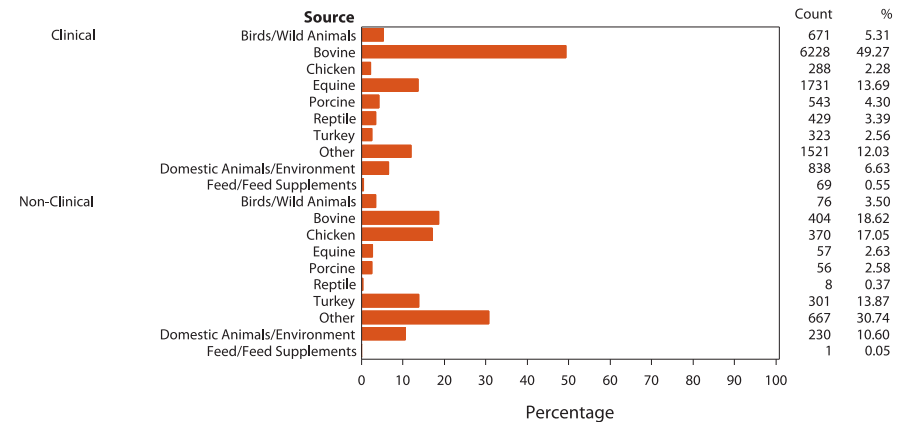
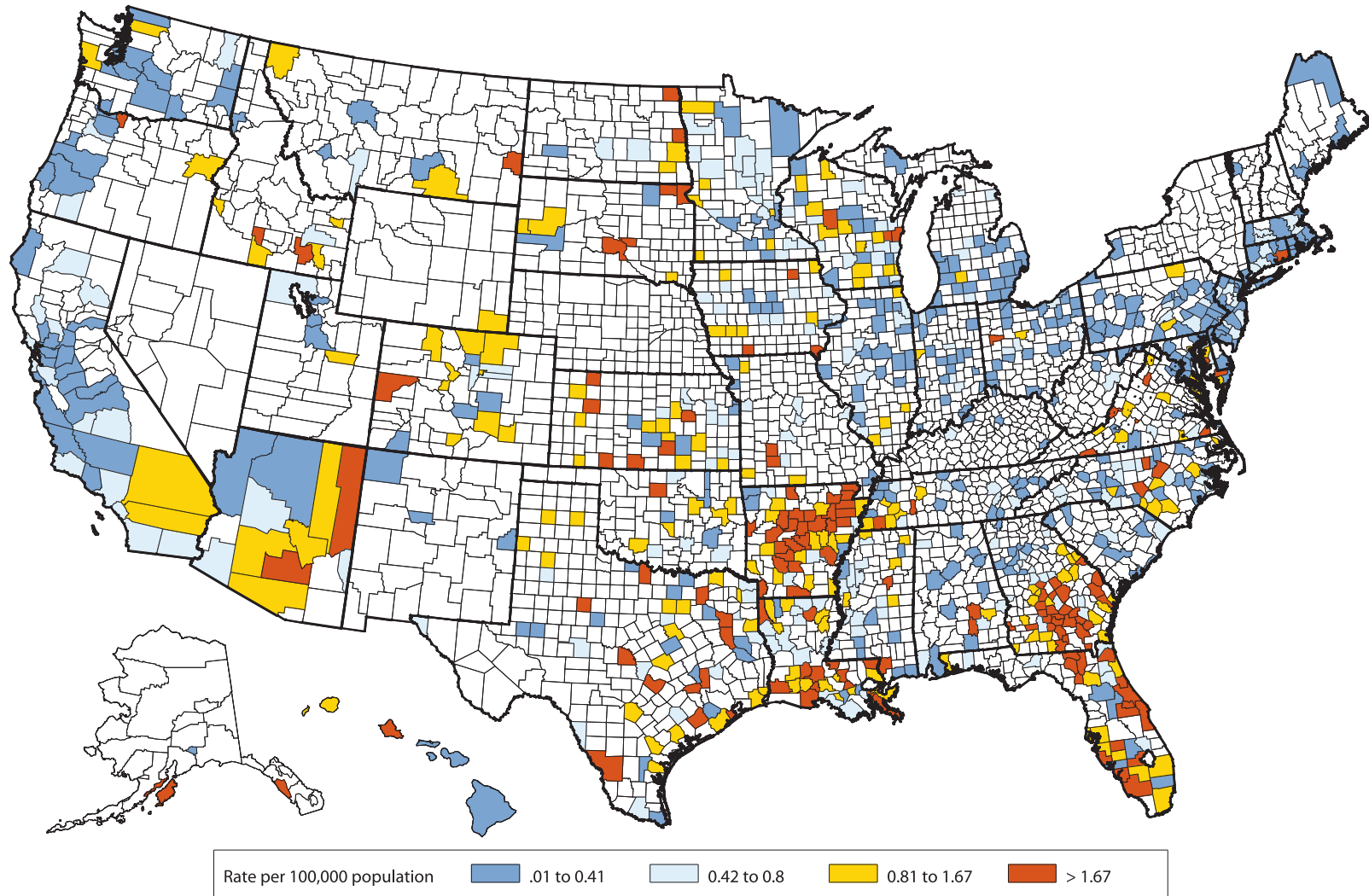


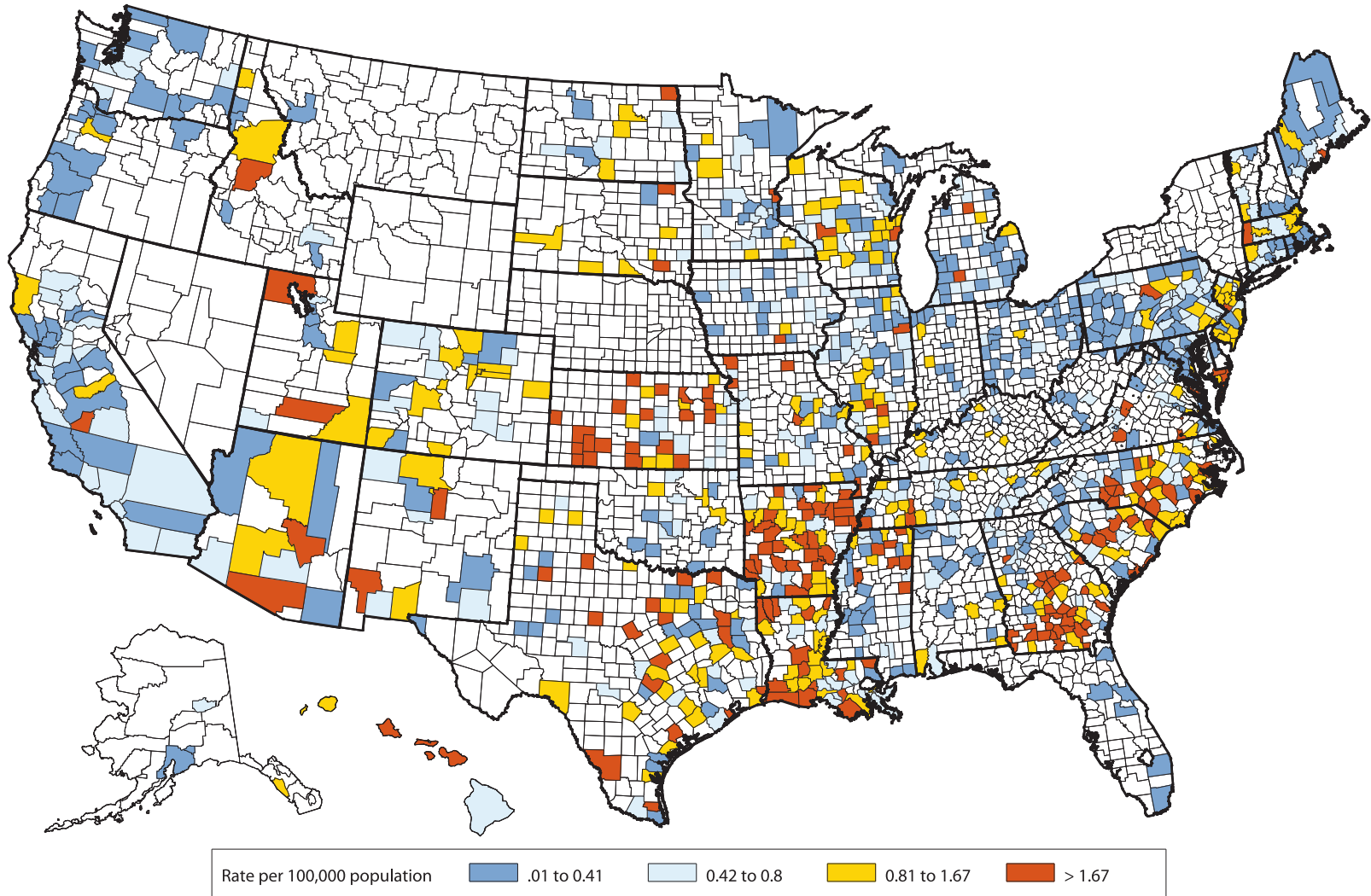
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

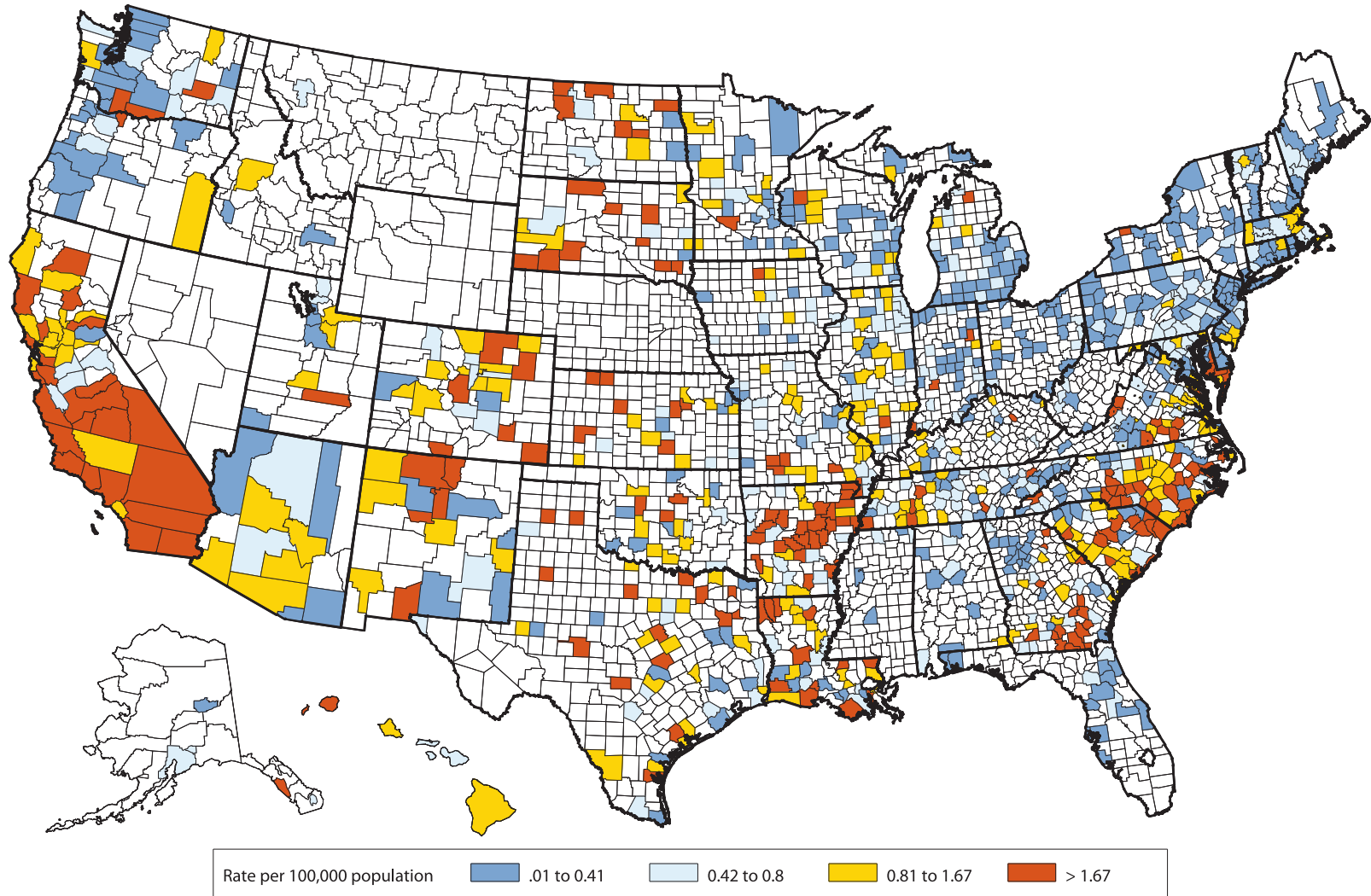
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

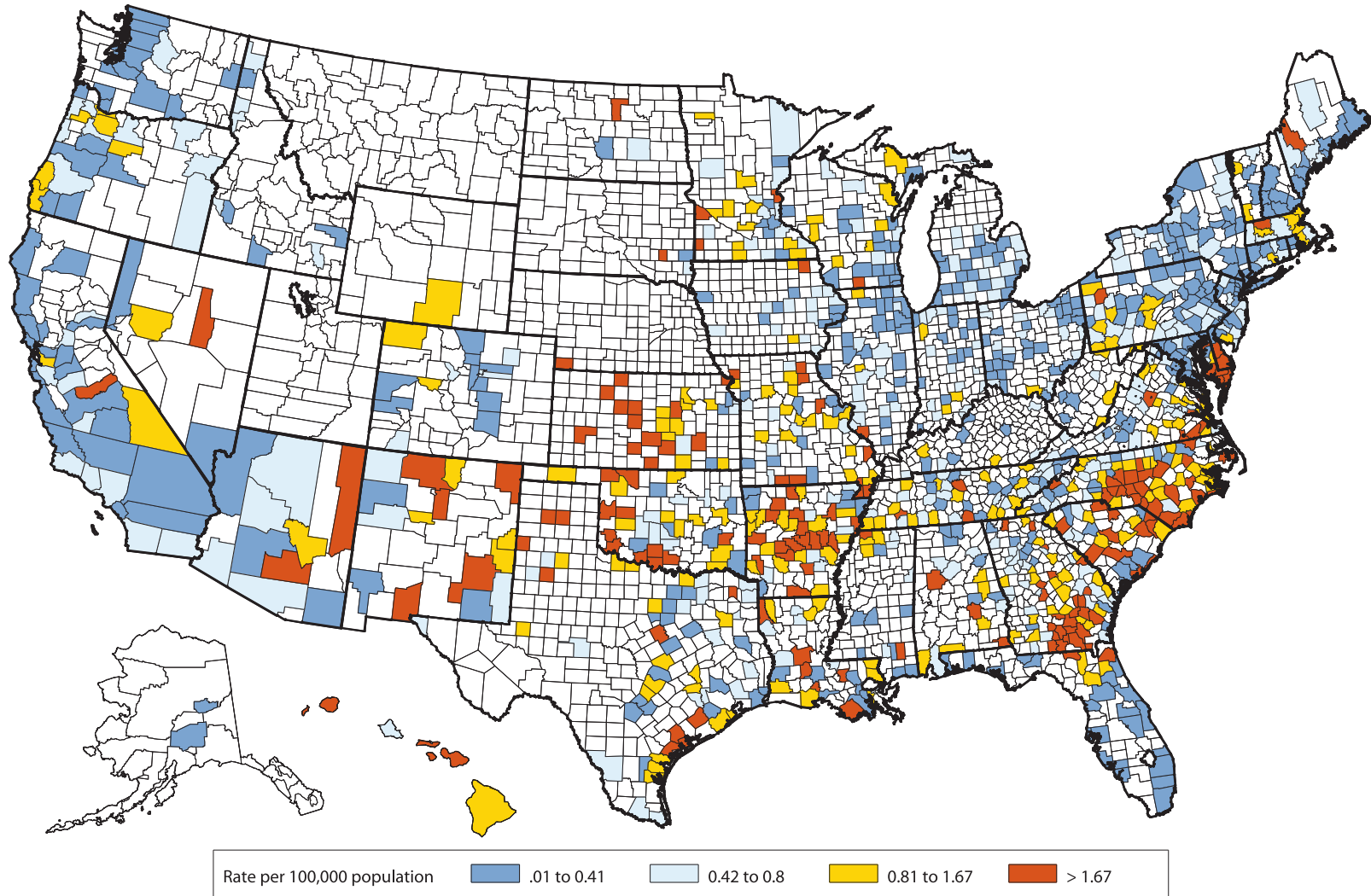
Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998

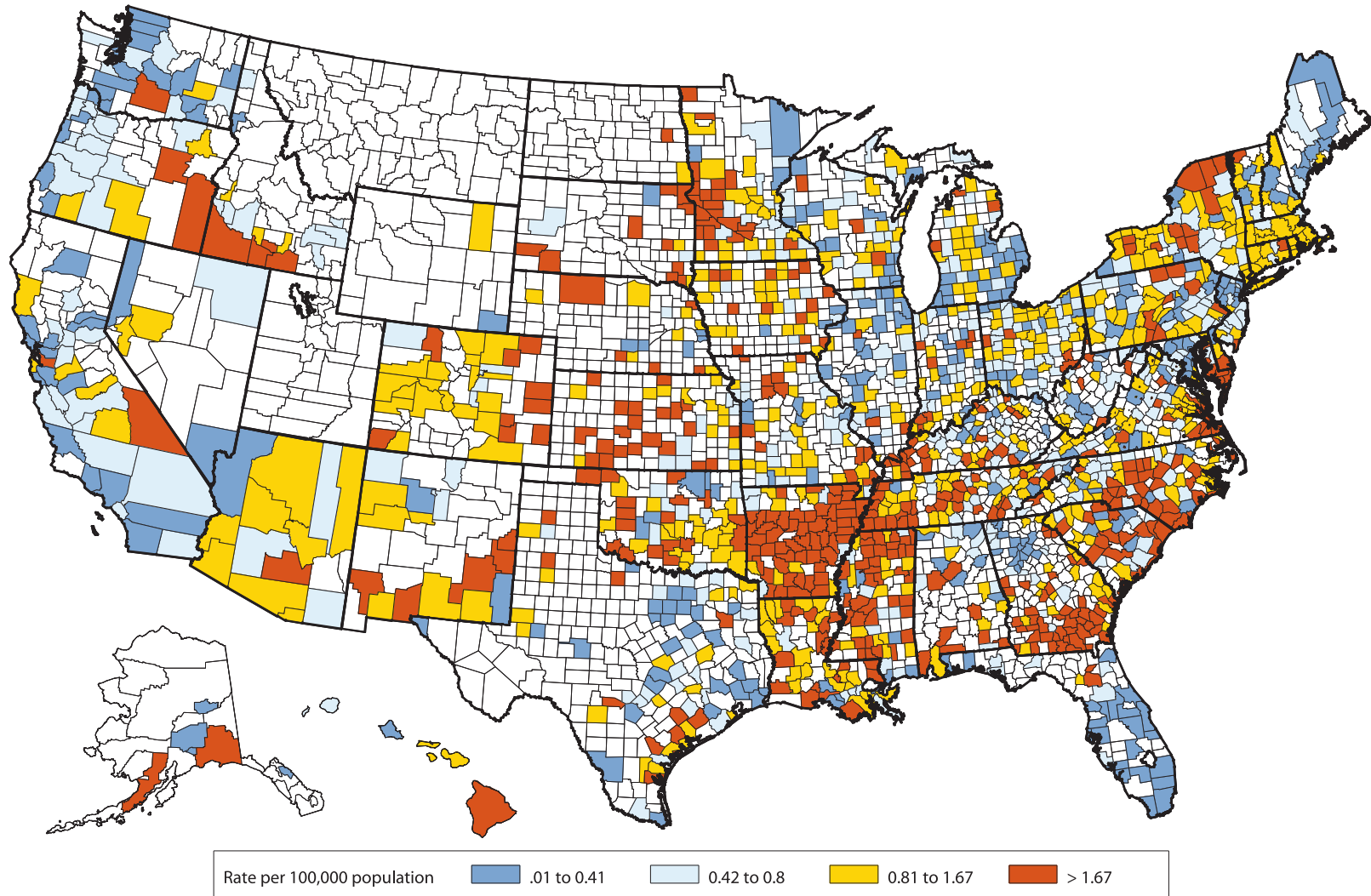


Age standardization based on 2011 census

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Salmonella serotype Newport

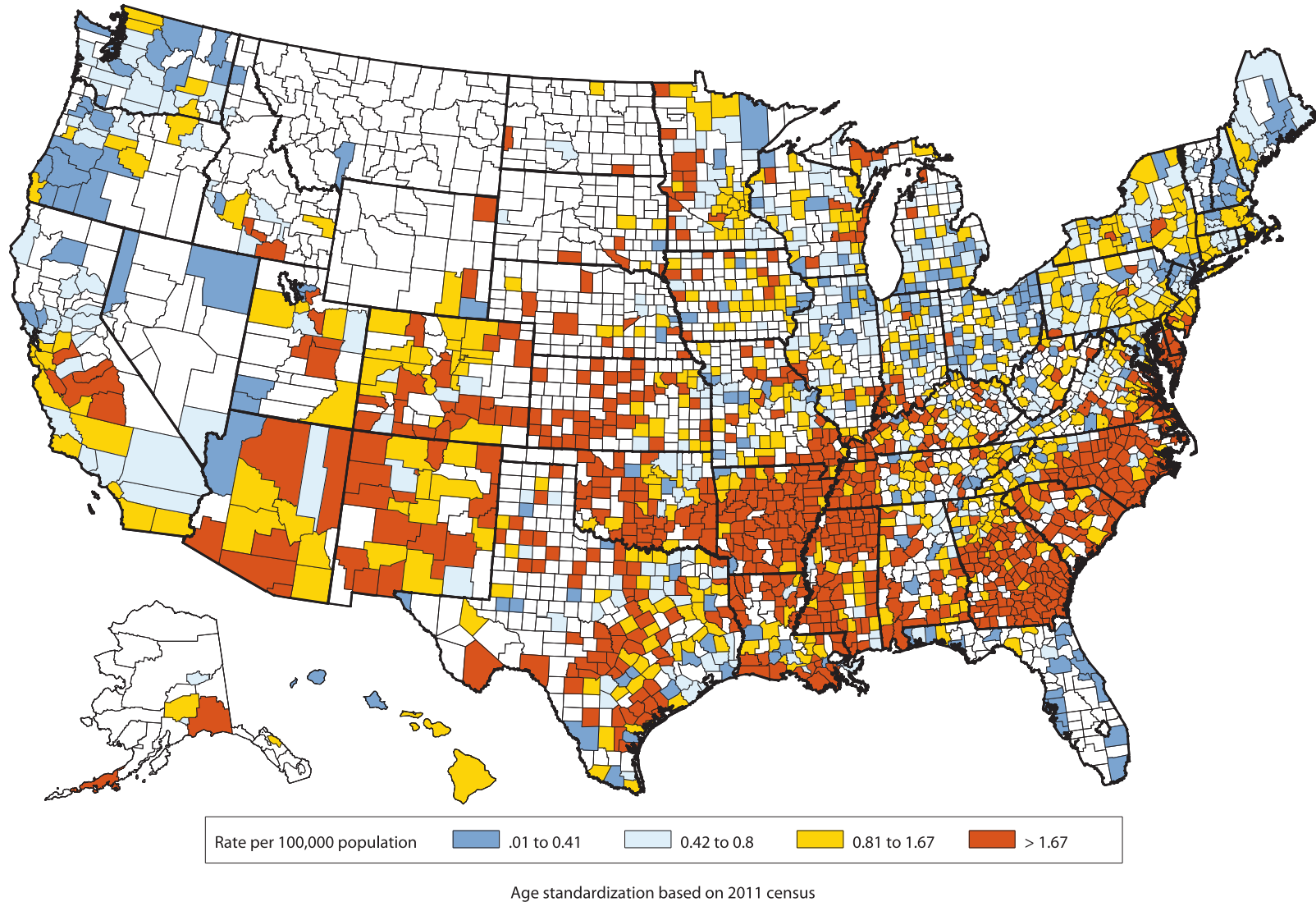
Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Oranienburg

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

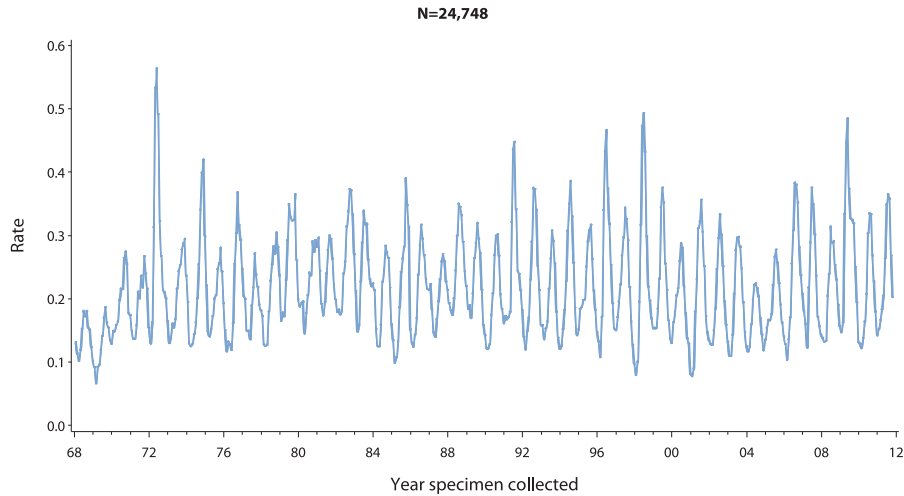


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

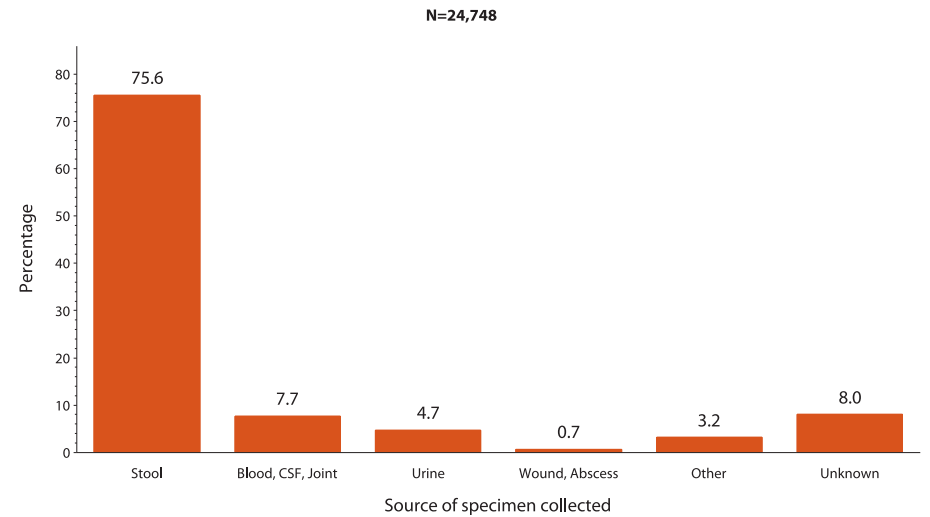


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

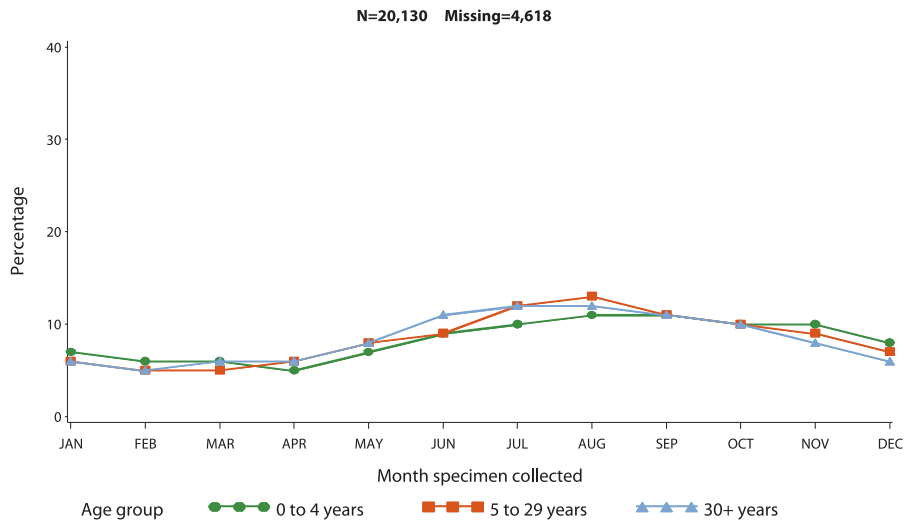
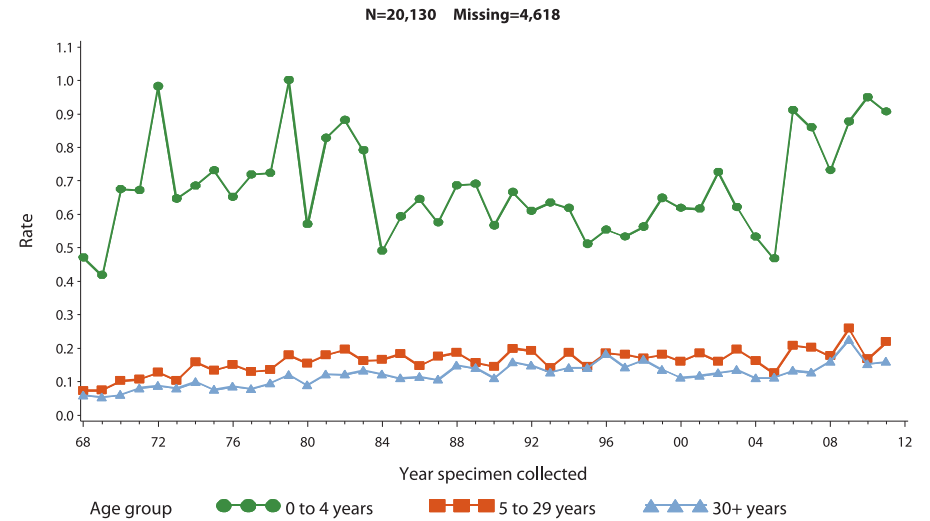


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Oranienburg

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=20,130 Missing=5,187

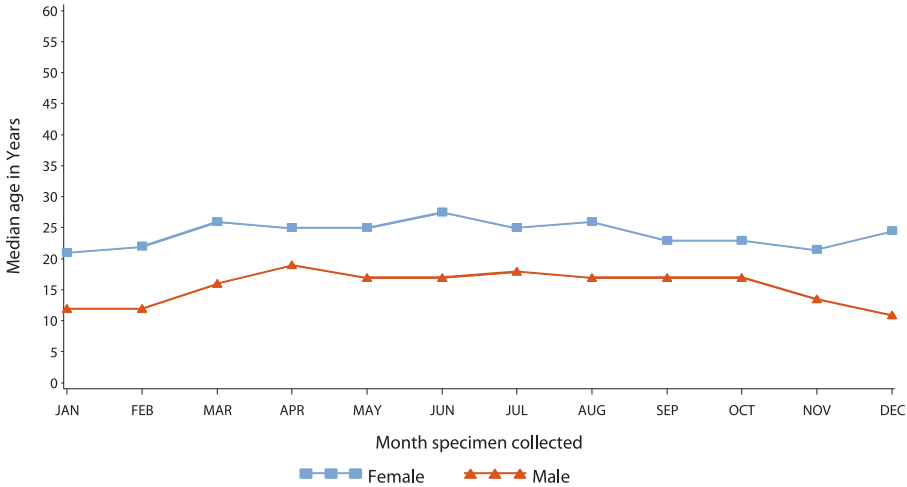


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=20,130 Missing=5,187

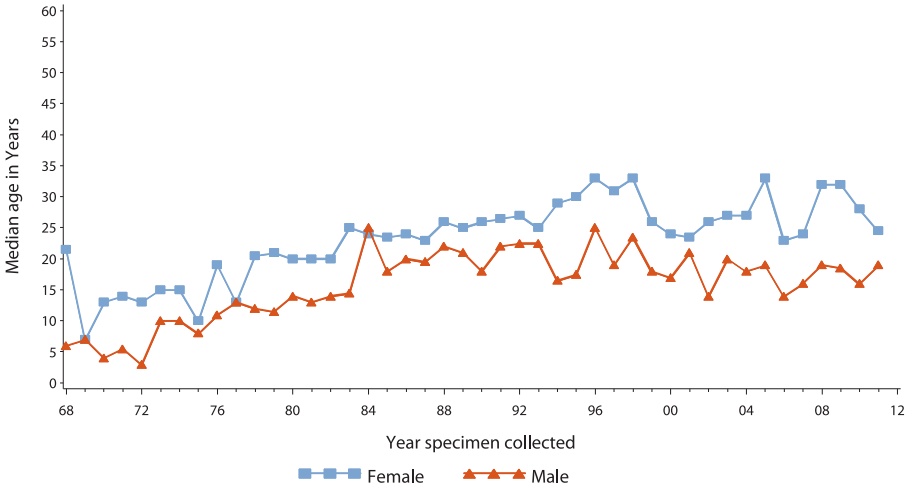


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=20,130 Missing=5,187

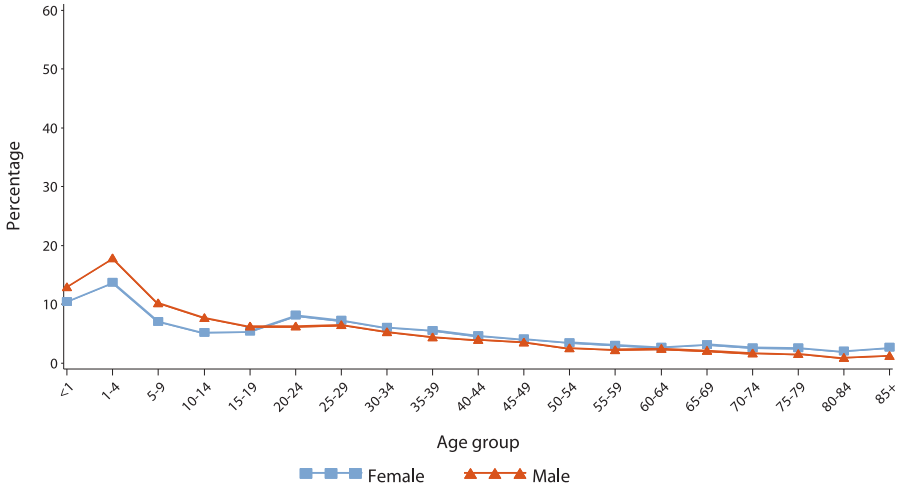


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=4,288

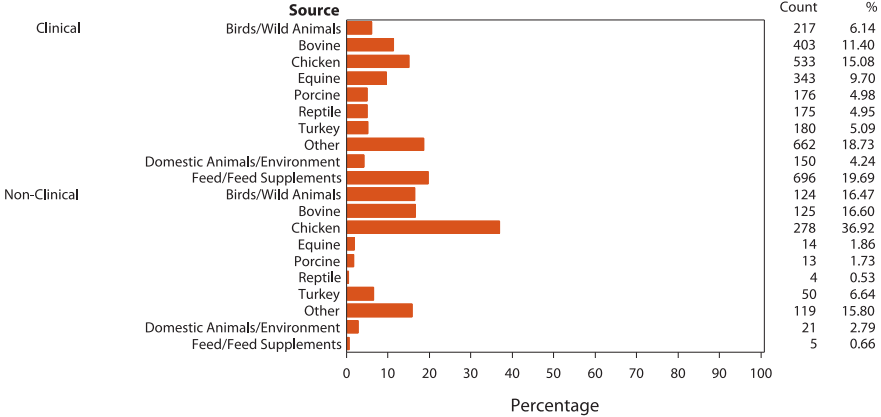
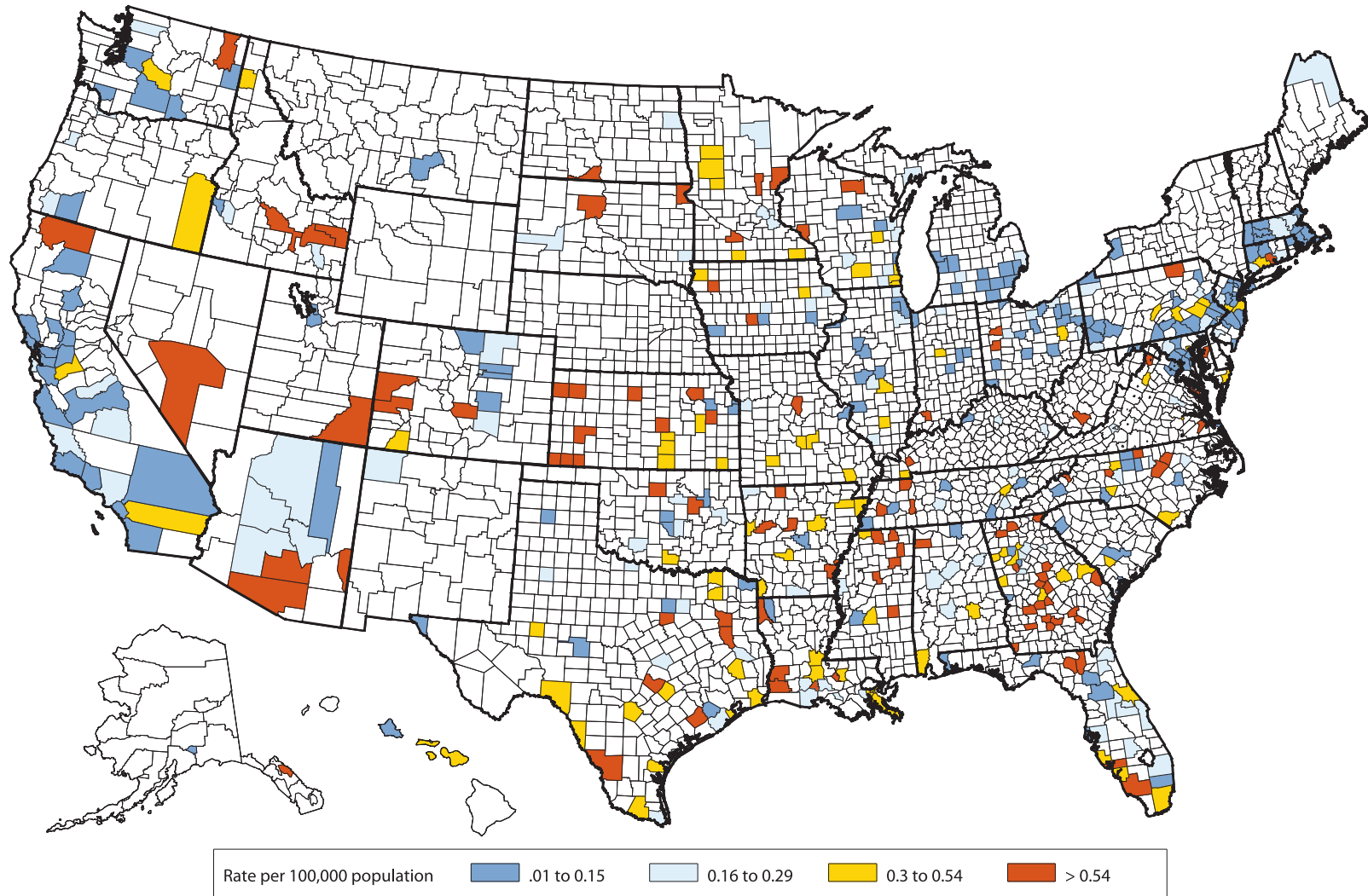


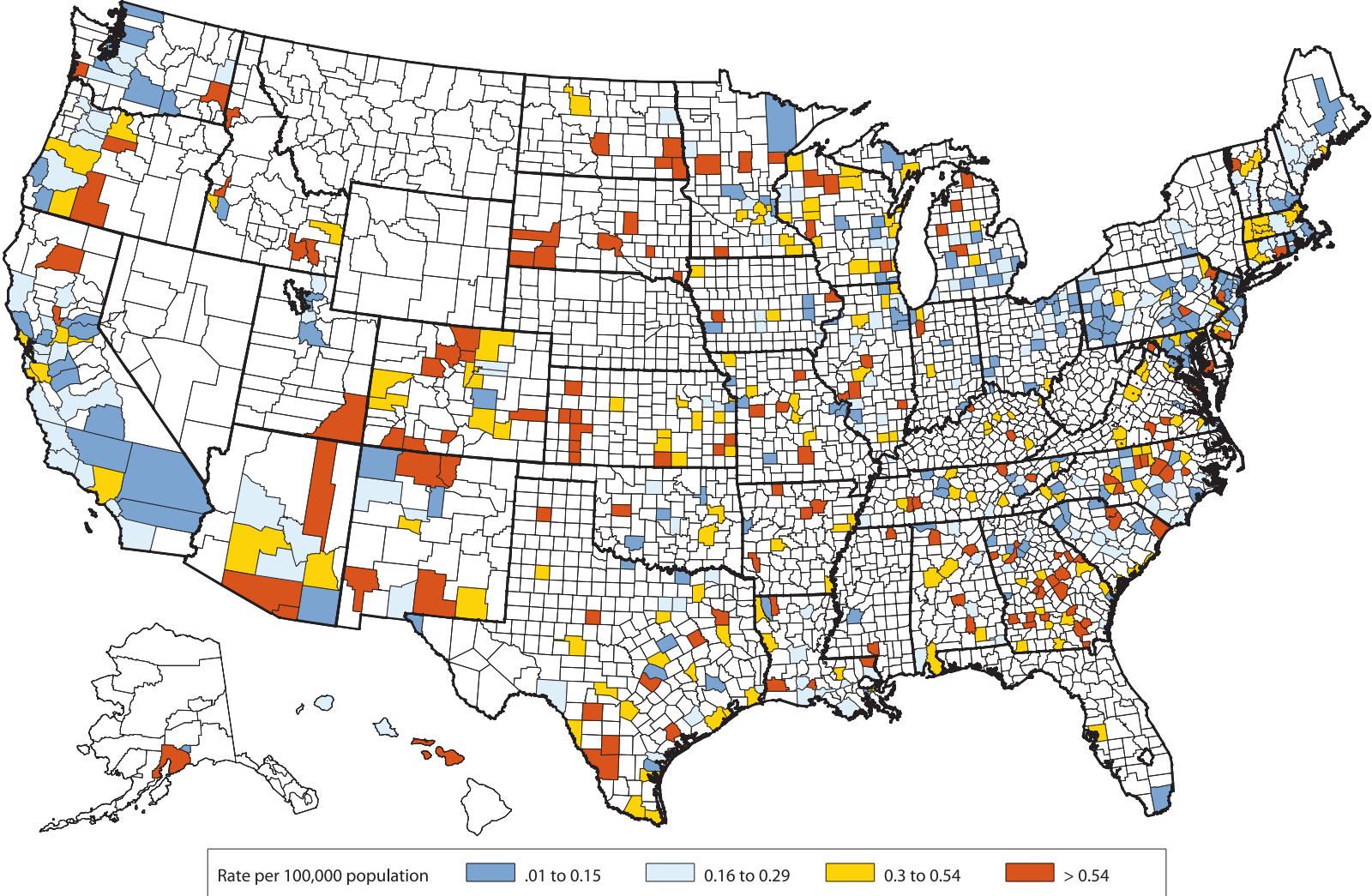
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

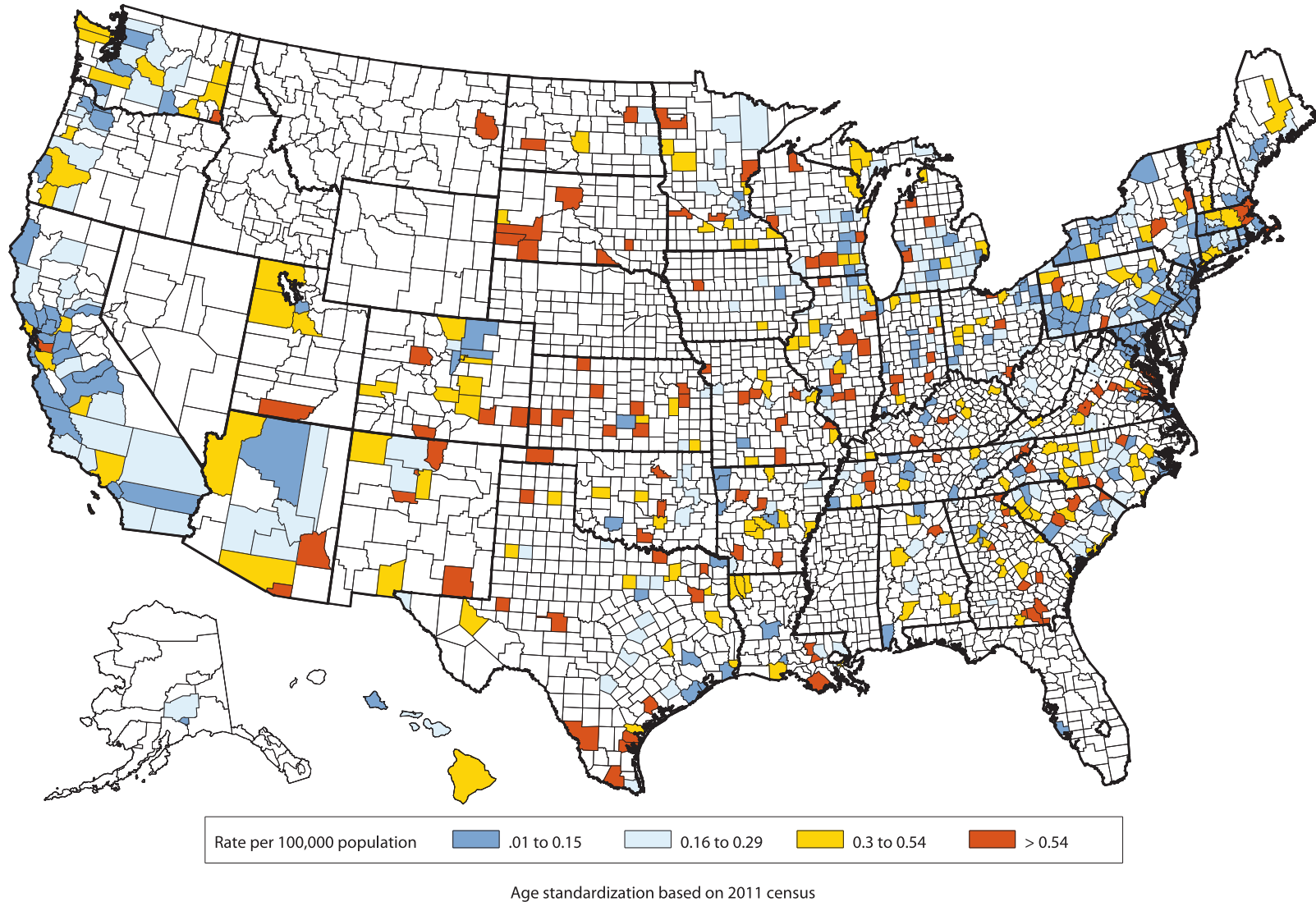
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

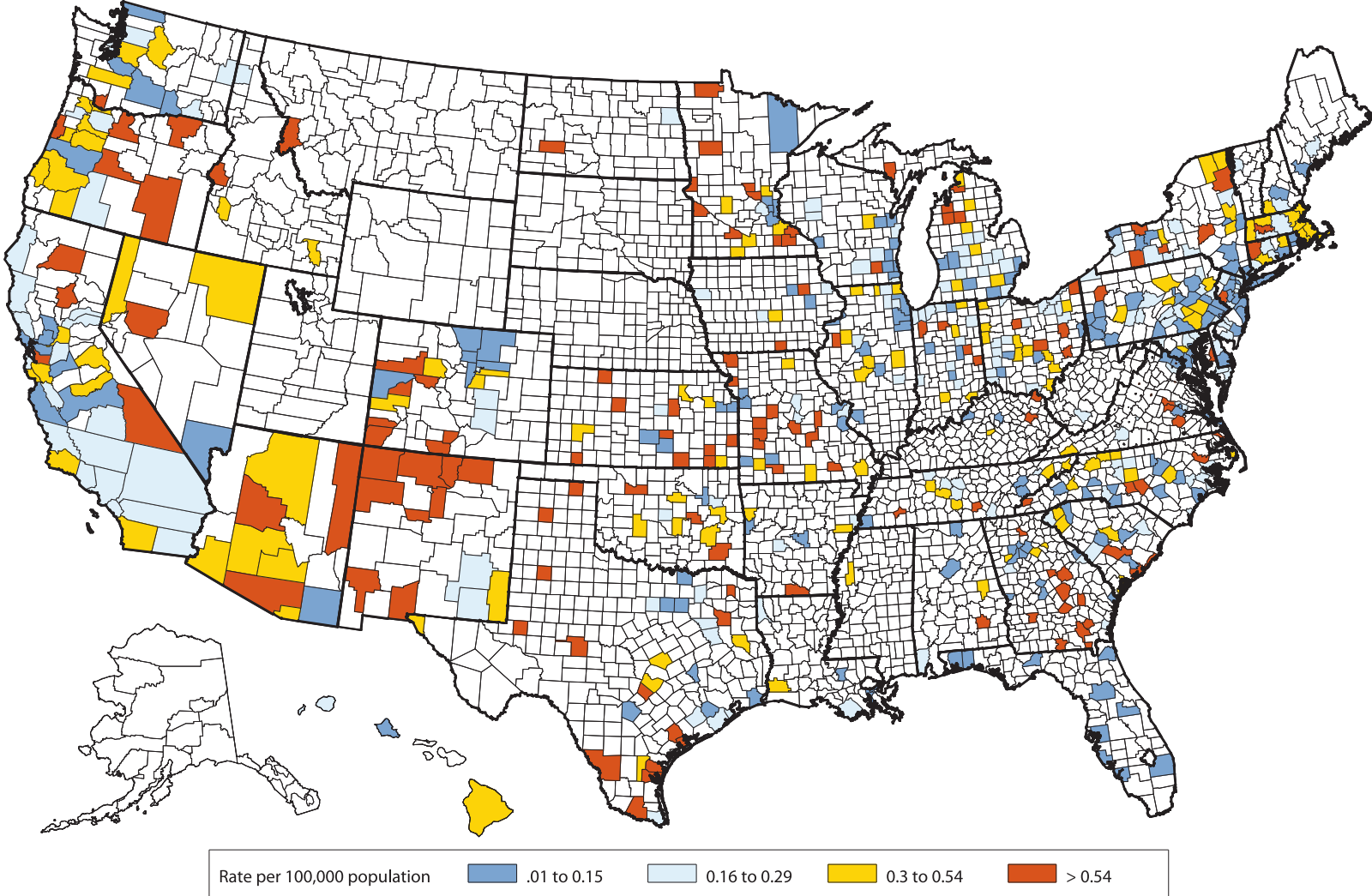
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

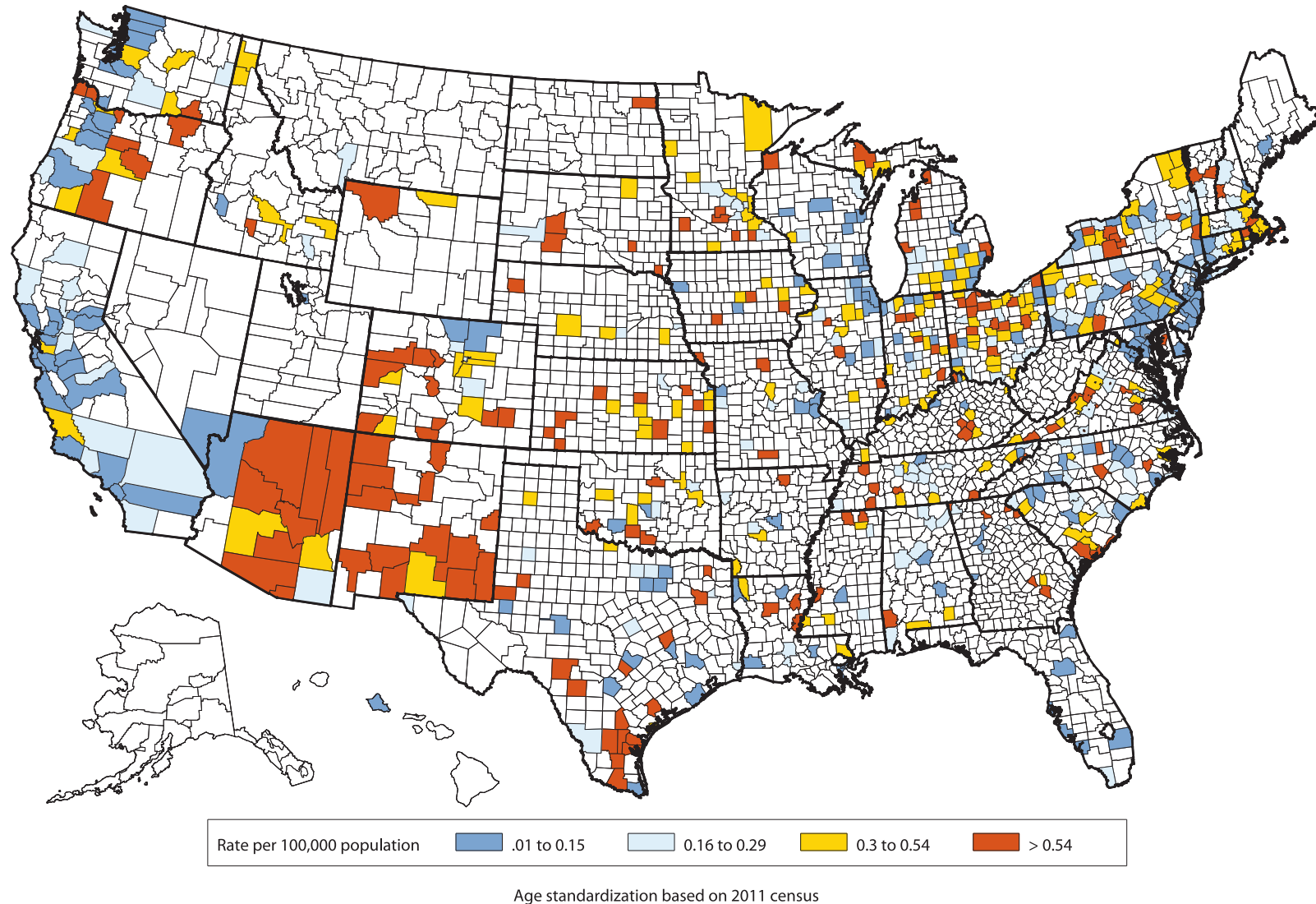
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

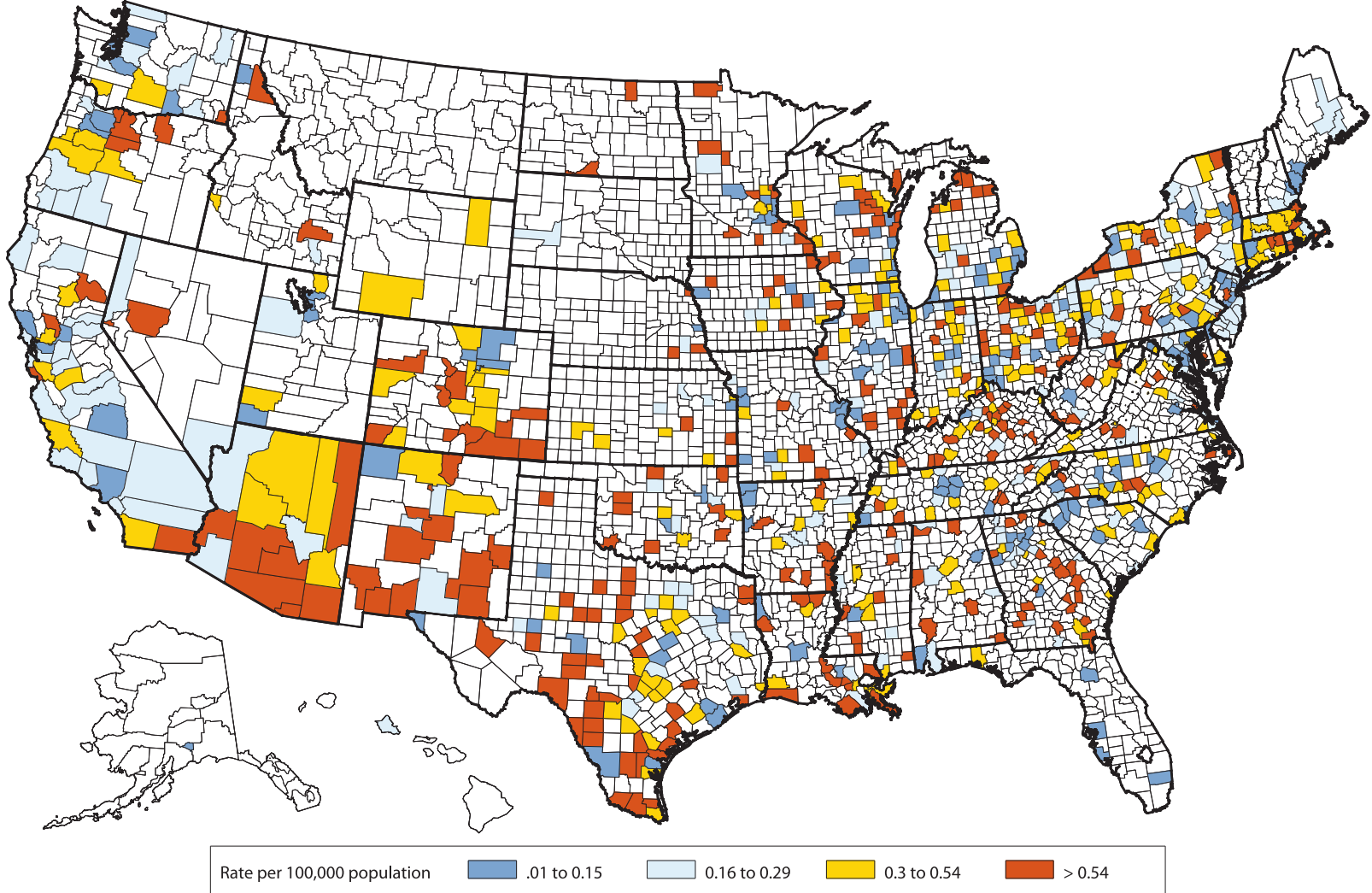
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Panama

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

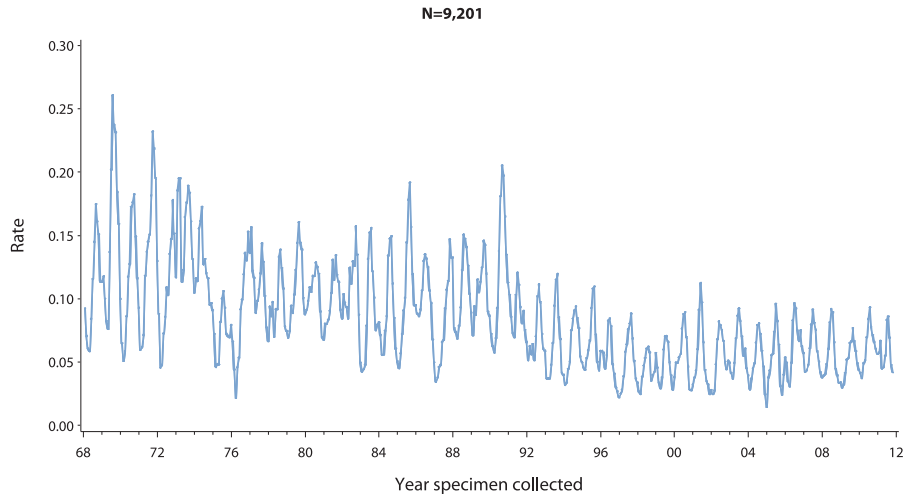


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

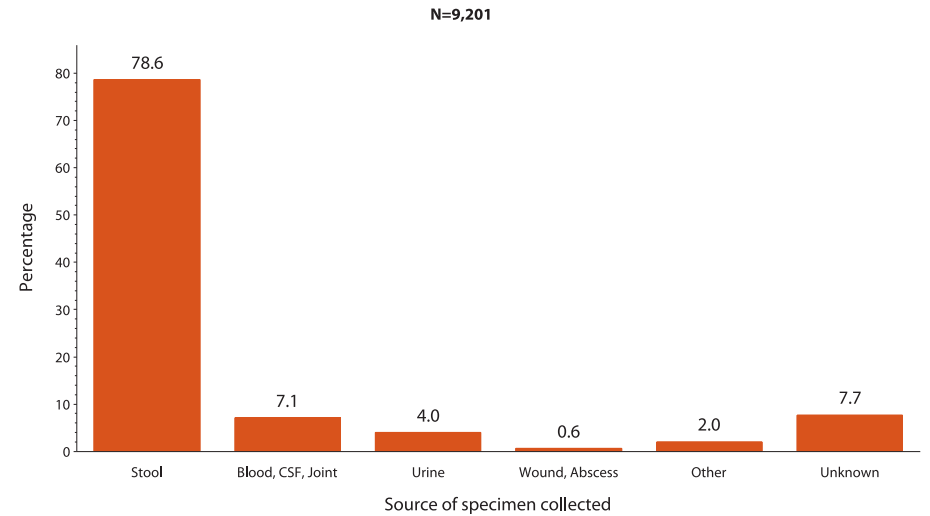


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

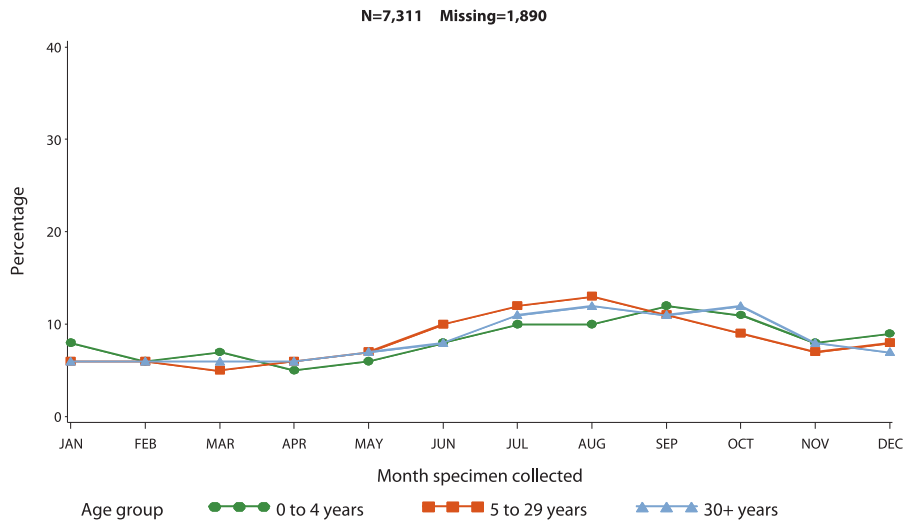
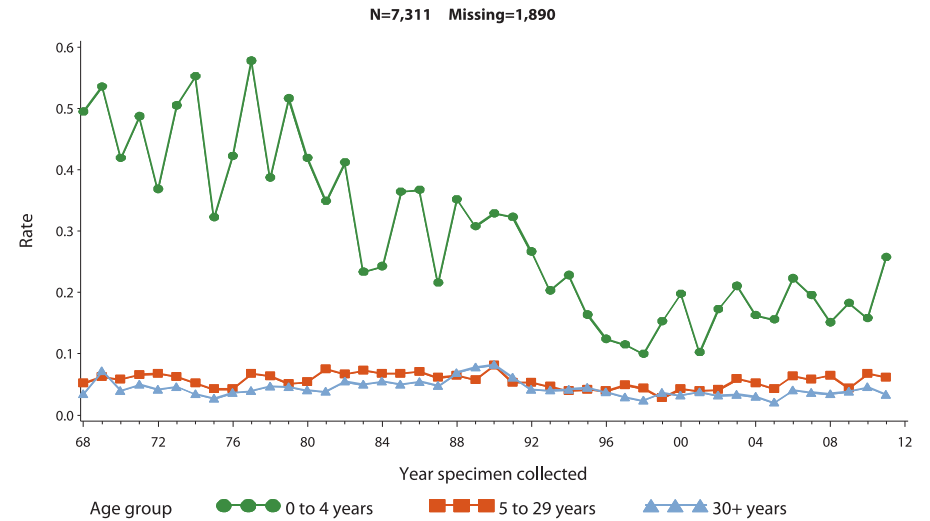


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Panama

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=7,311 Missing=2,046

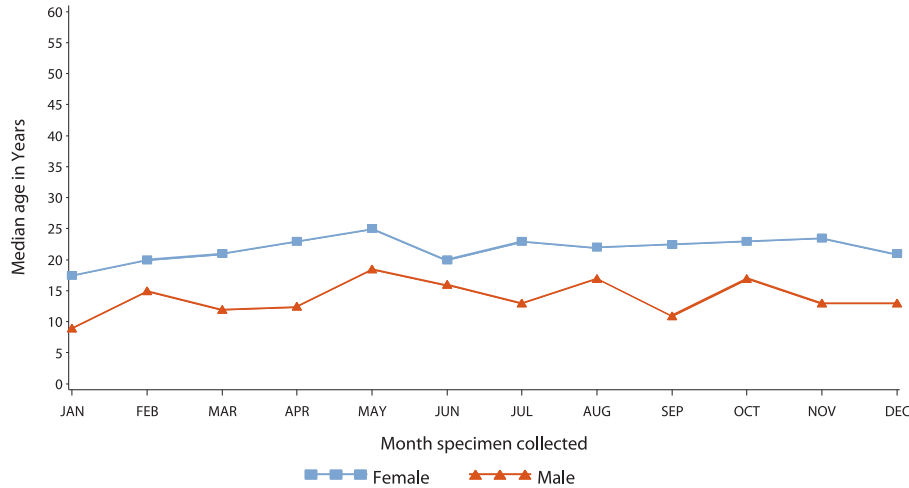


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=7,311 Missing=2,046

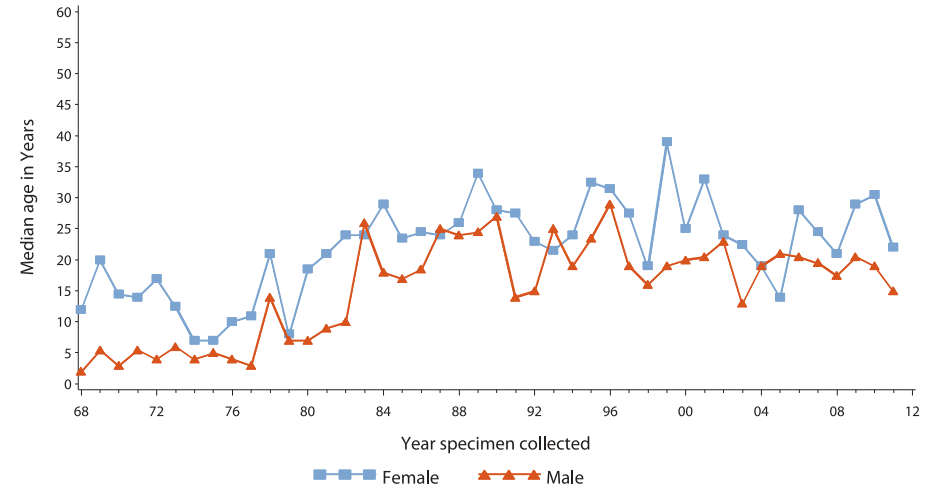


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=7,311 Missing=2,046

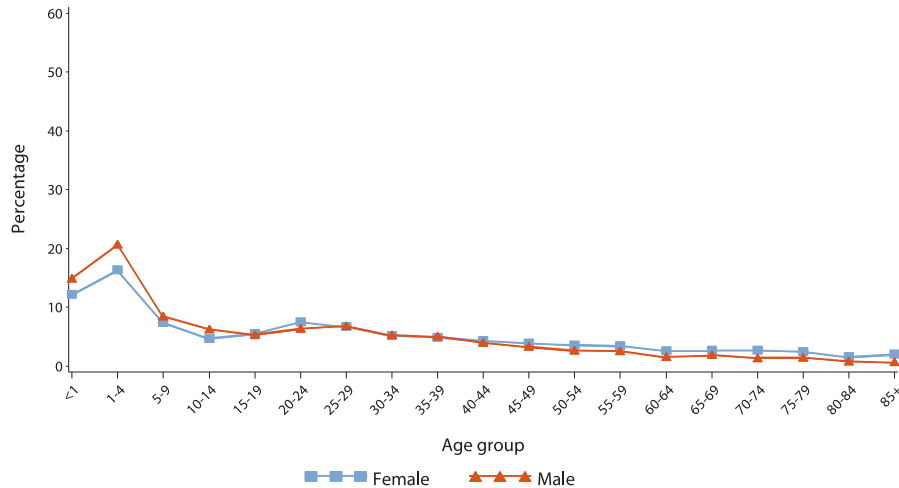


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=1,145

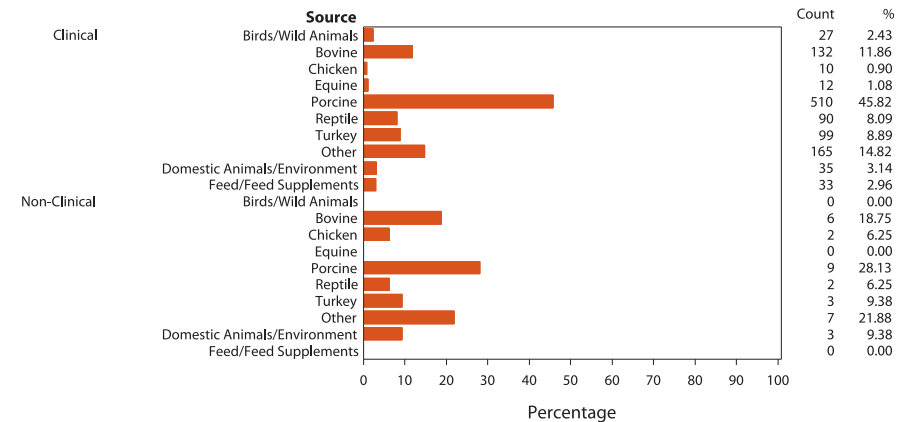
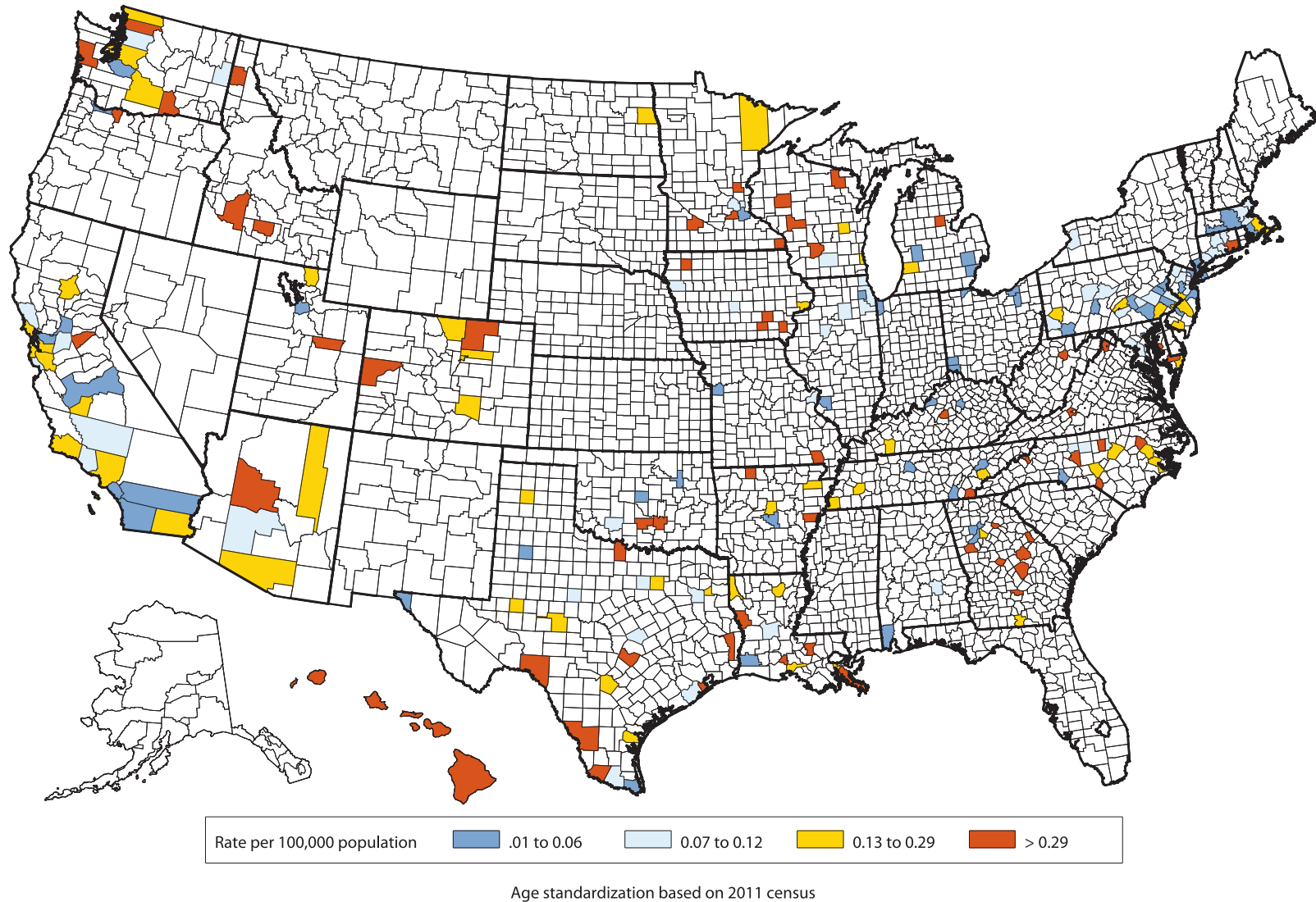
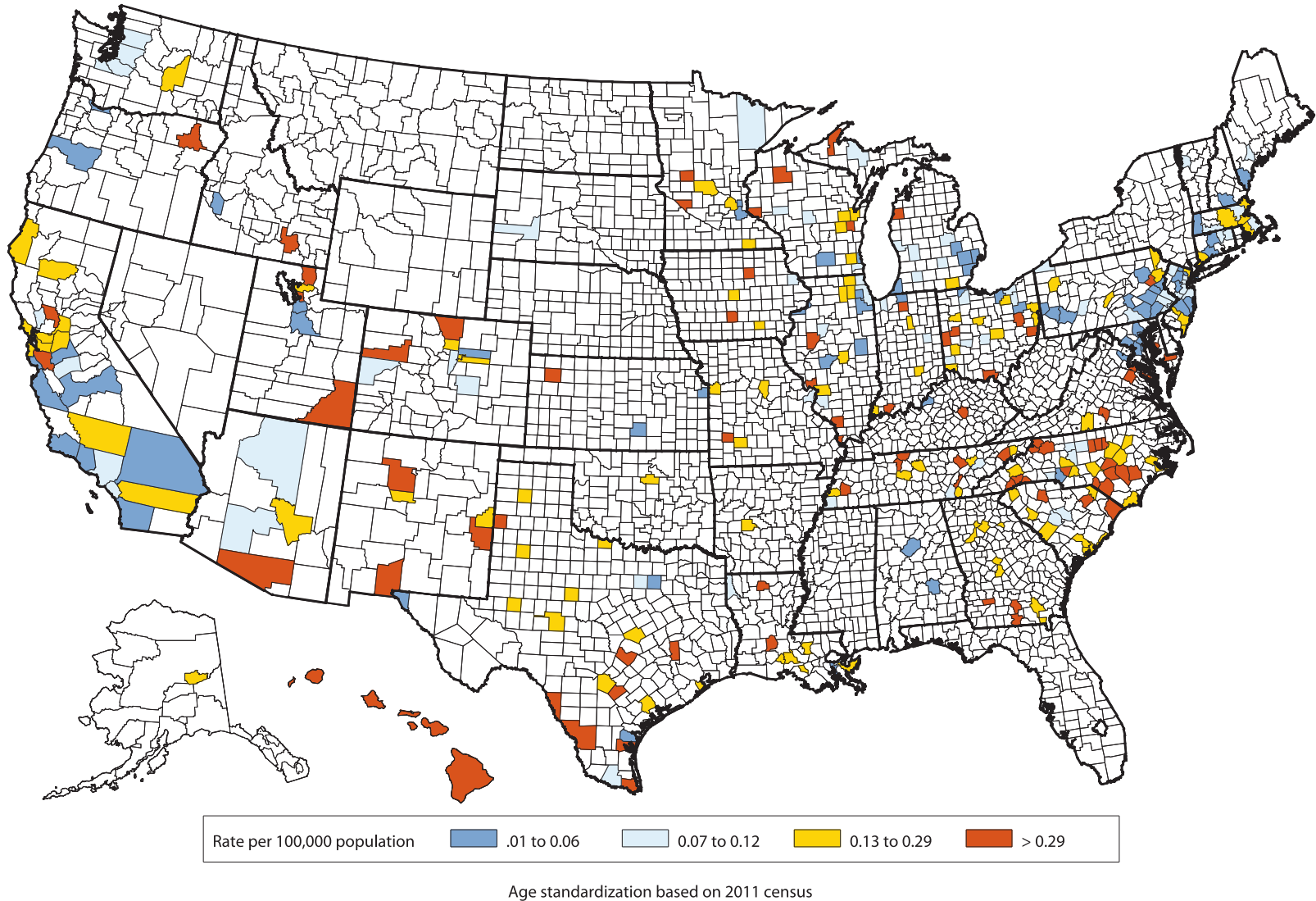


Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



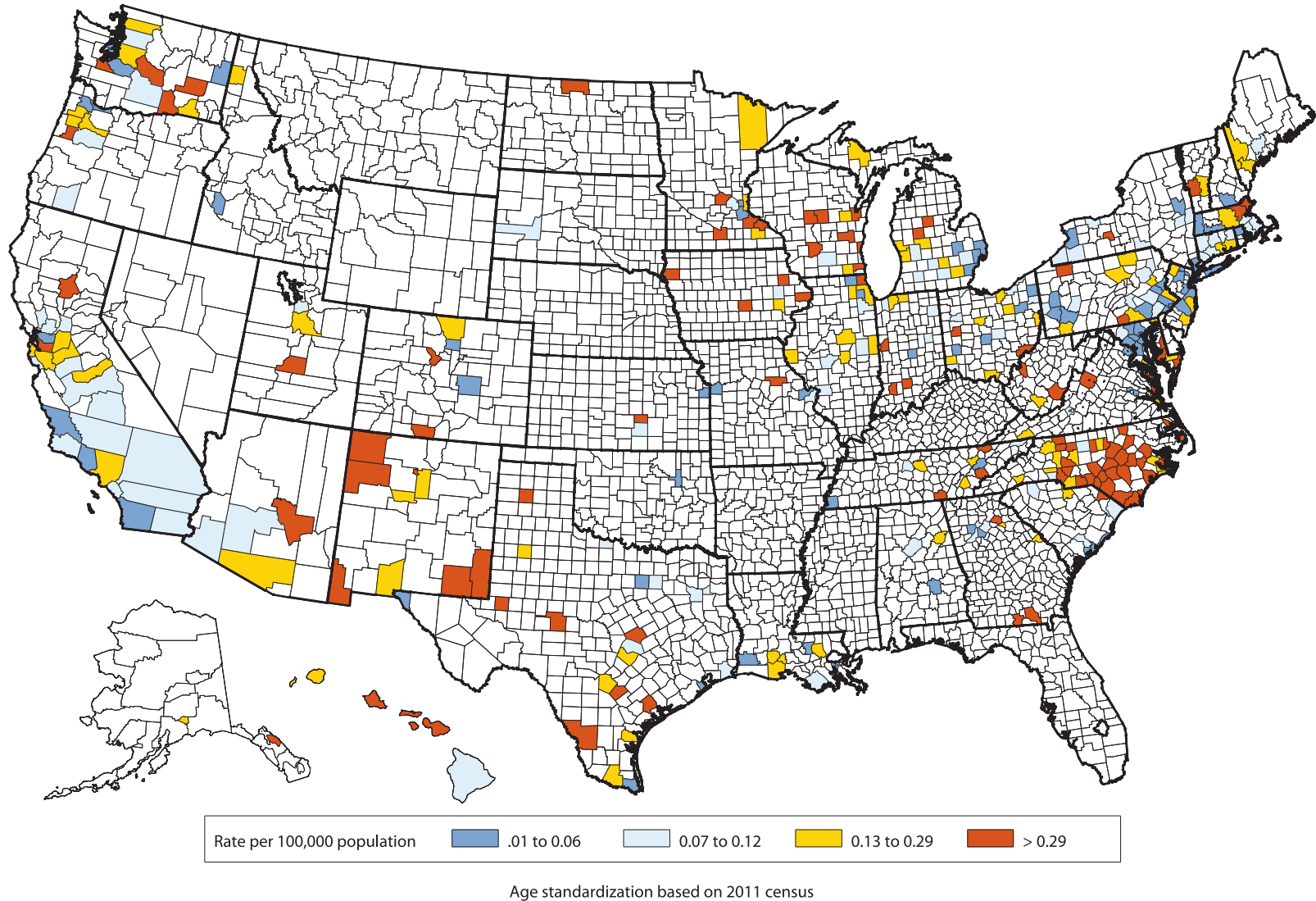
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



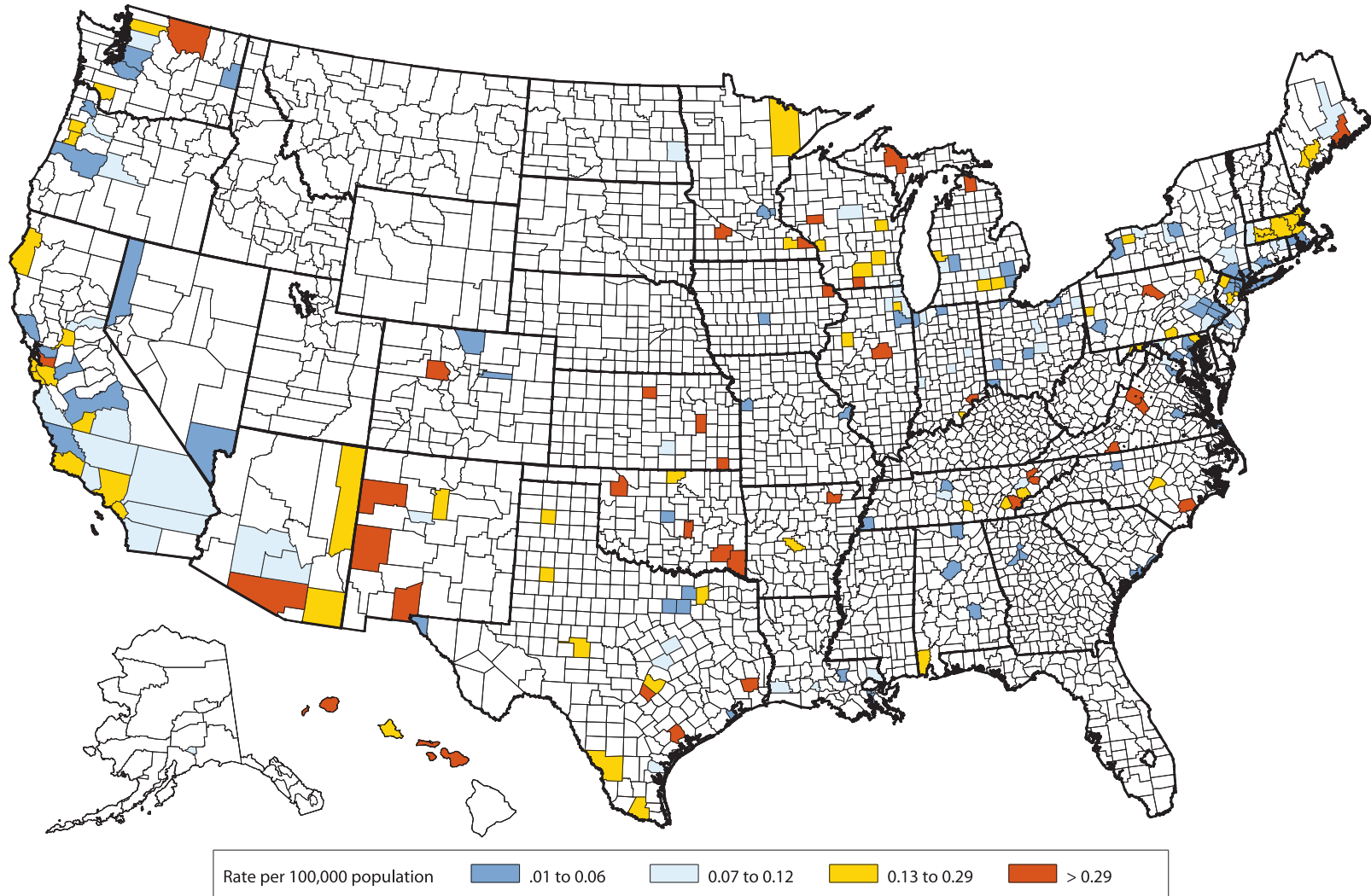
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

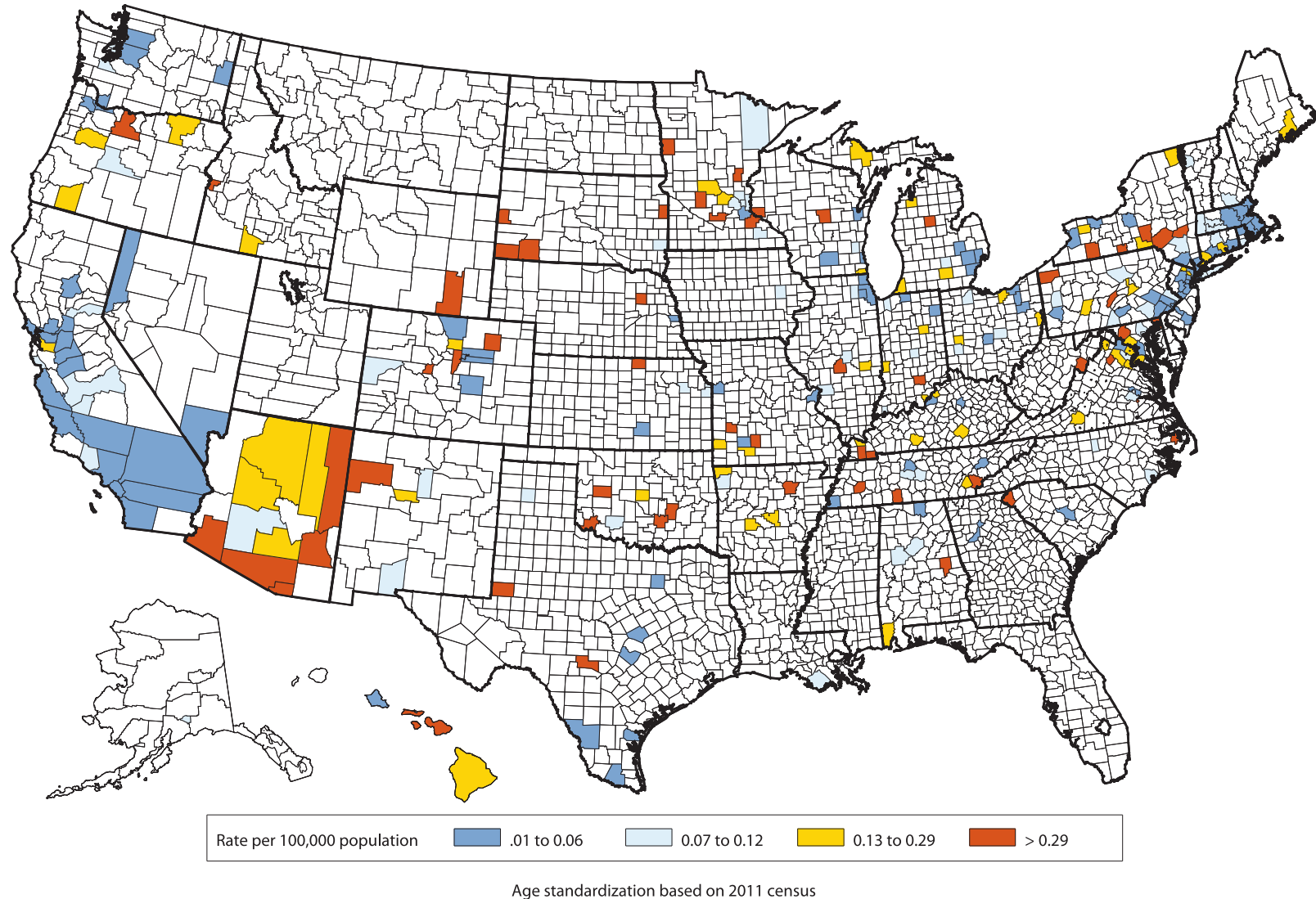
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

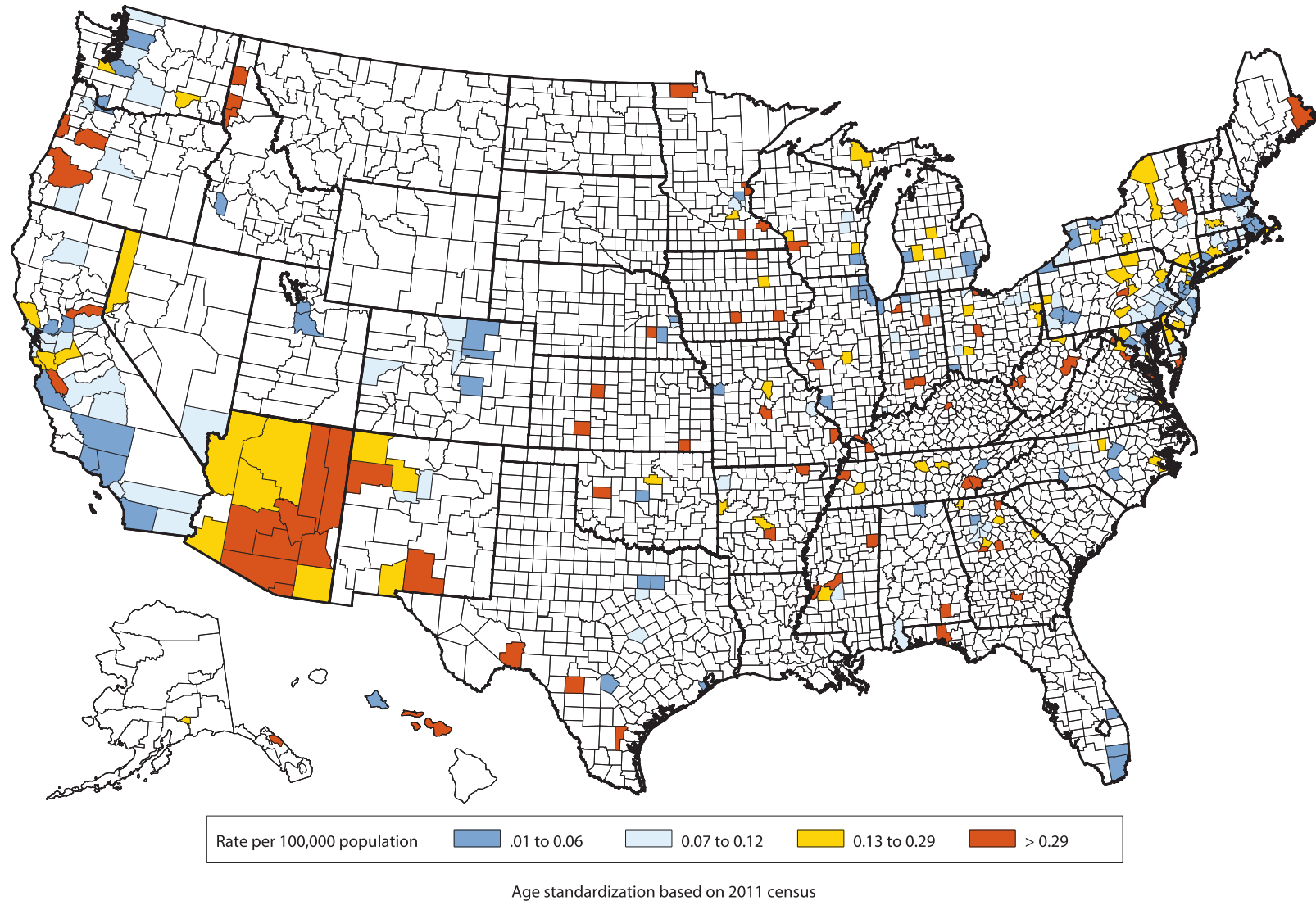
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Poona

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

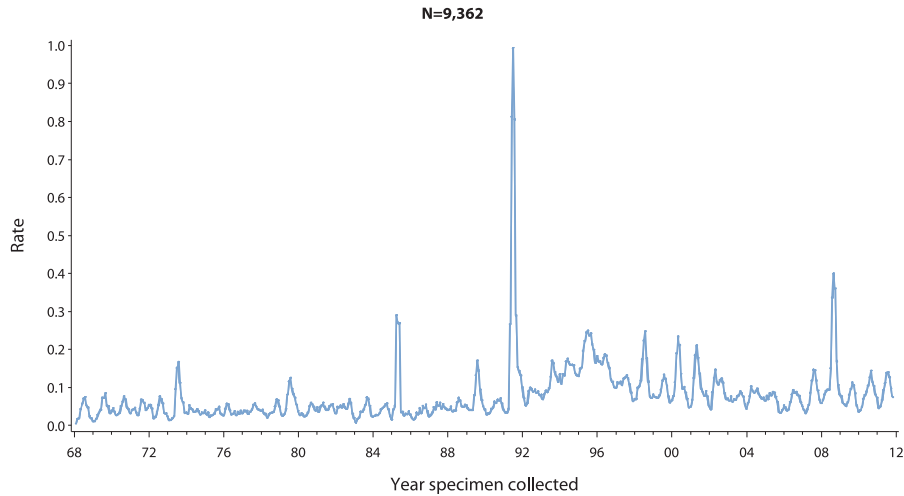


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

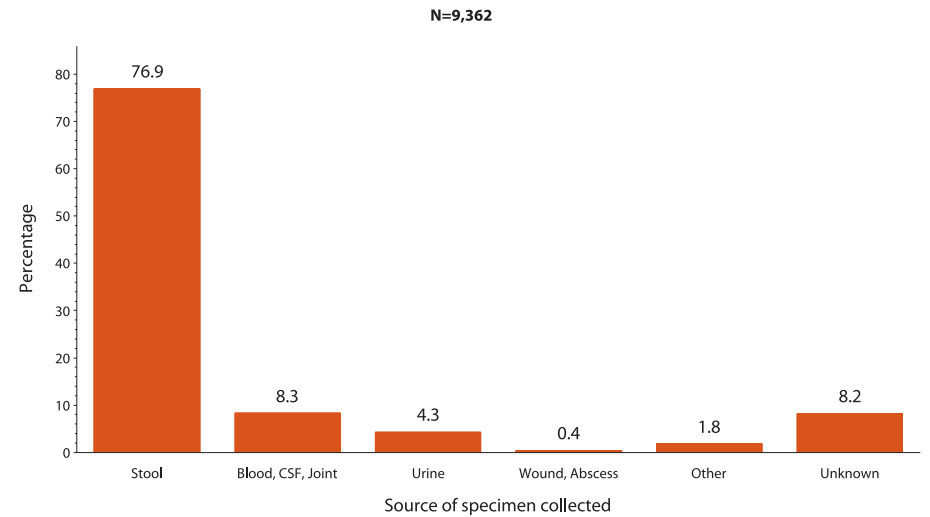


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

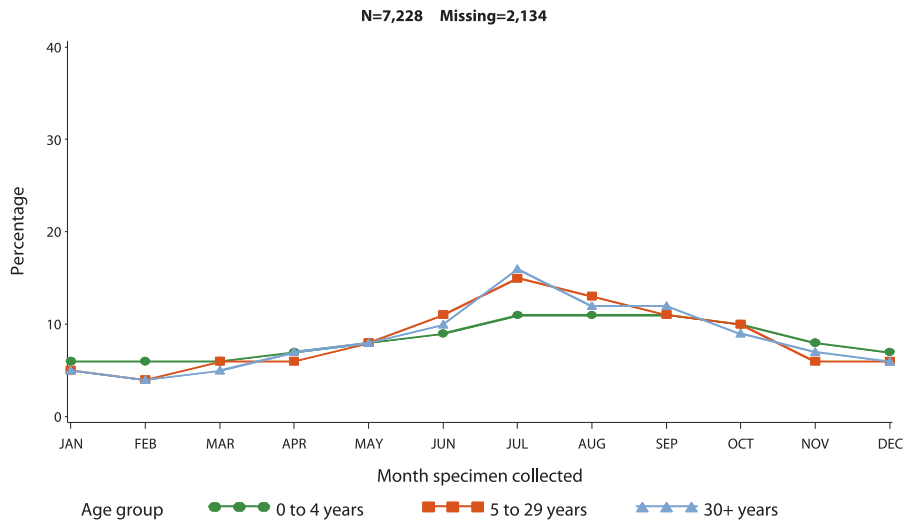
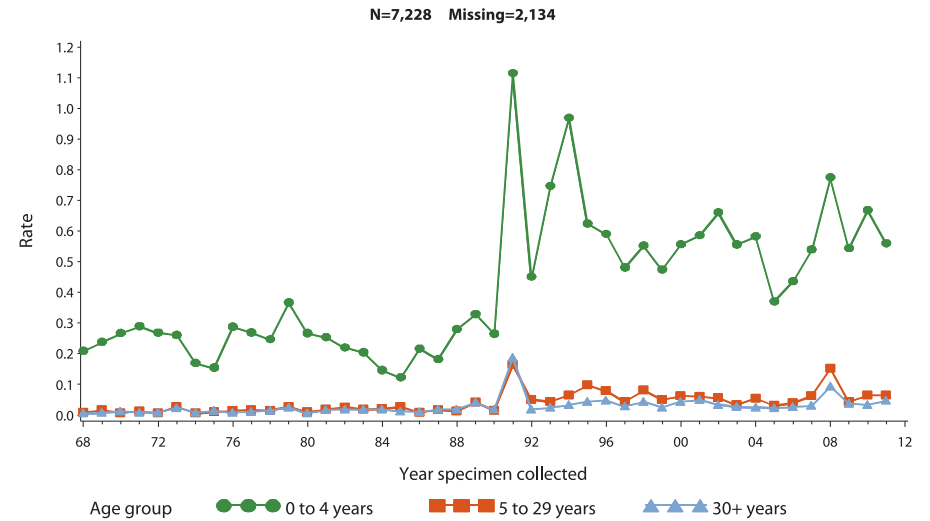


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Poona

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=7,228 Missing=2,352

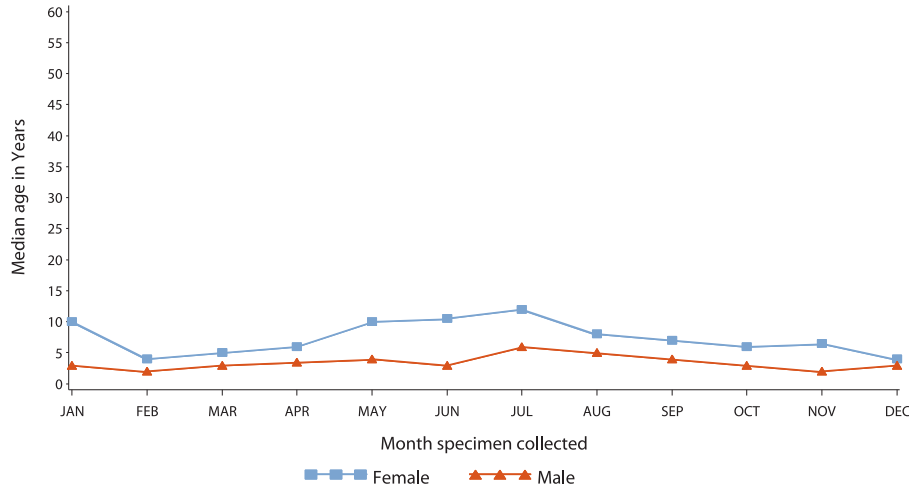


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=7,228 Missing=2,352

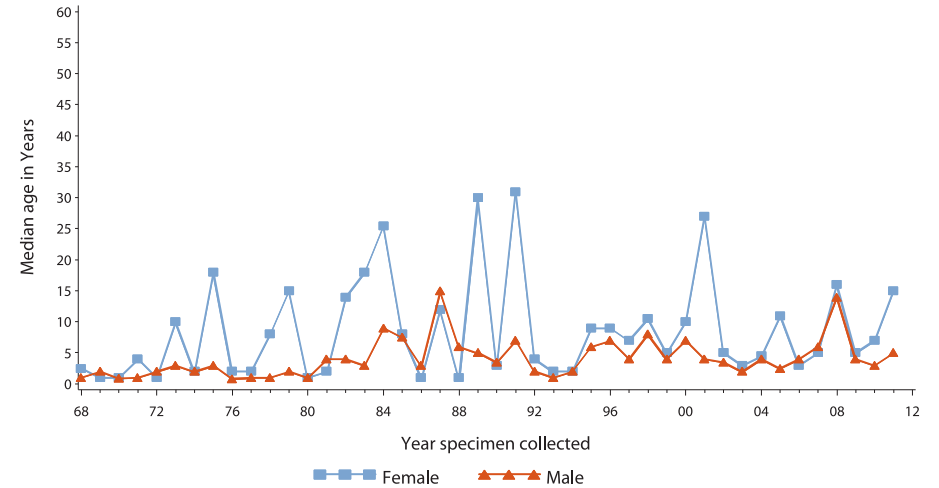


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=7,228 Missing=2,352

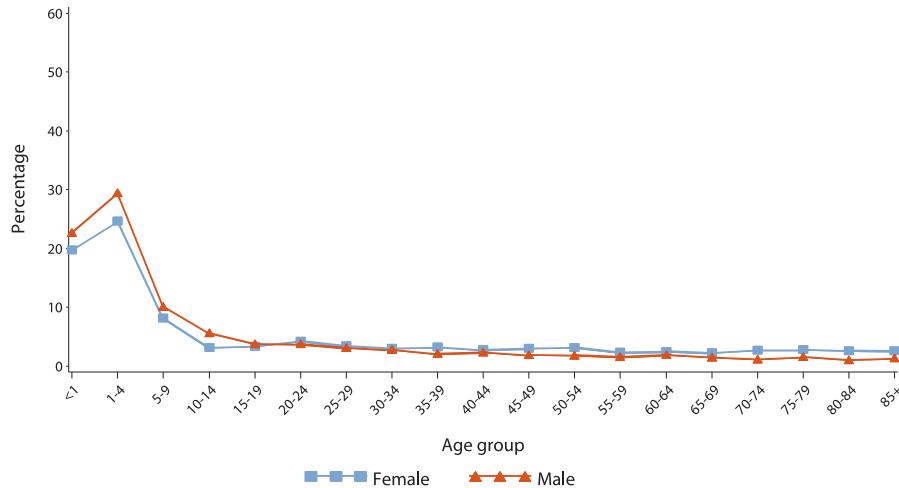


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=611

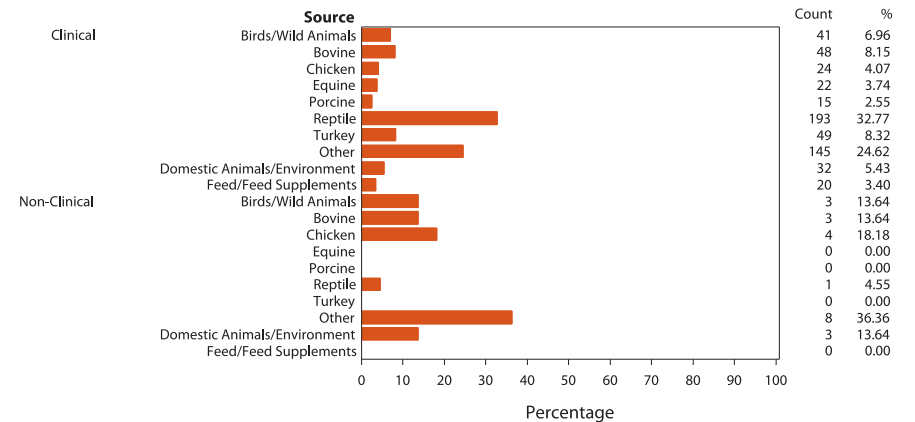
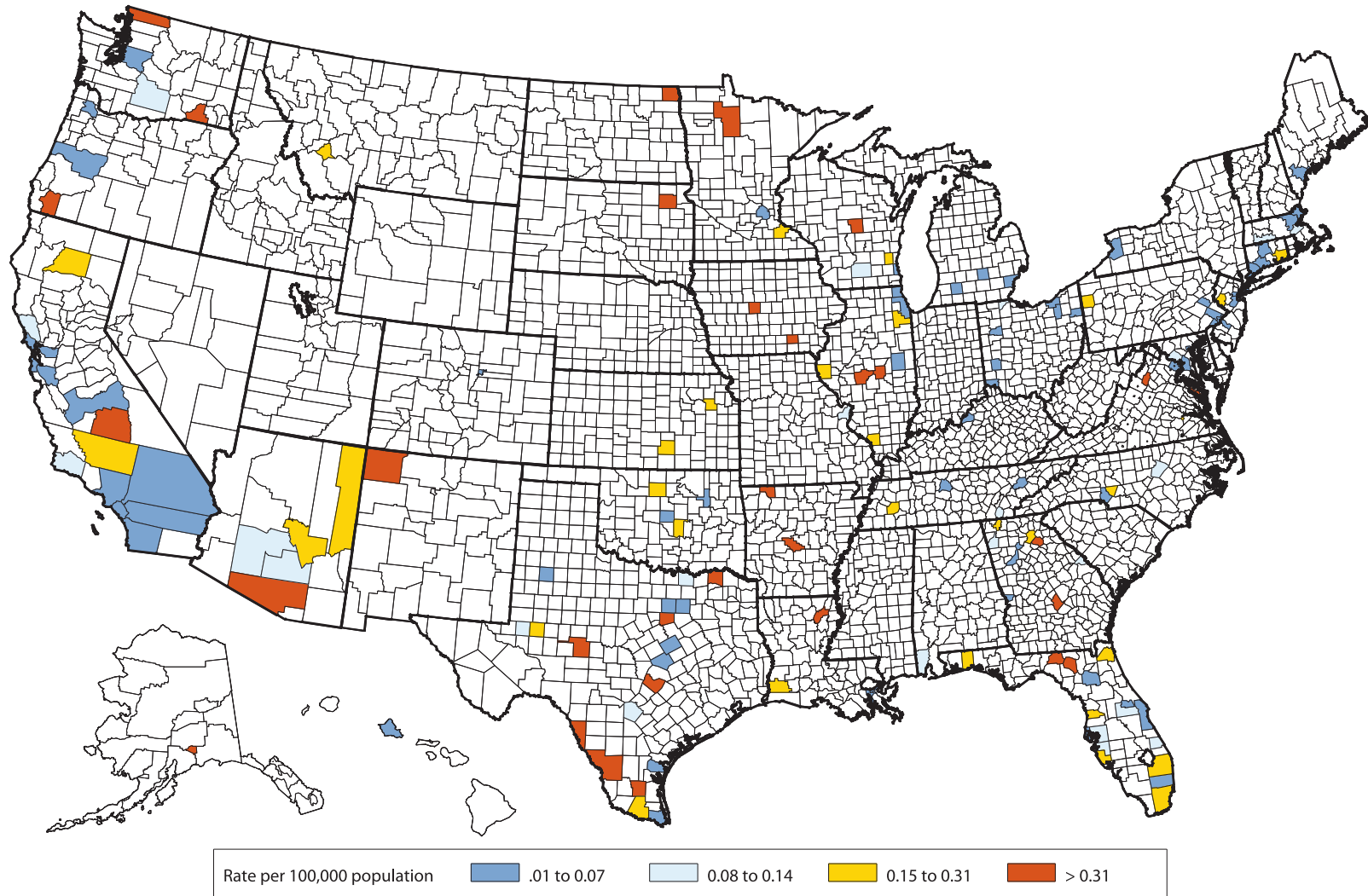


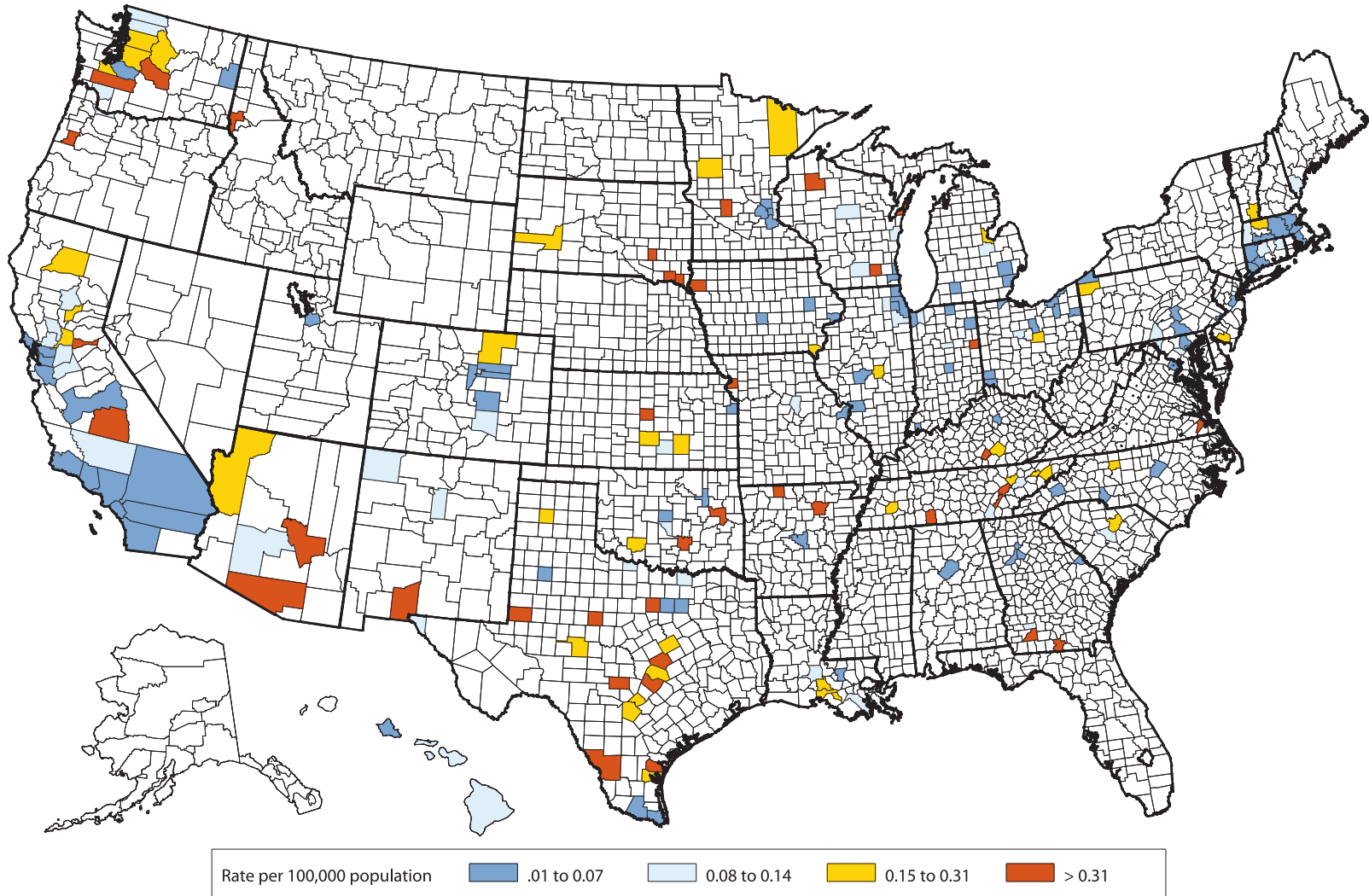
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

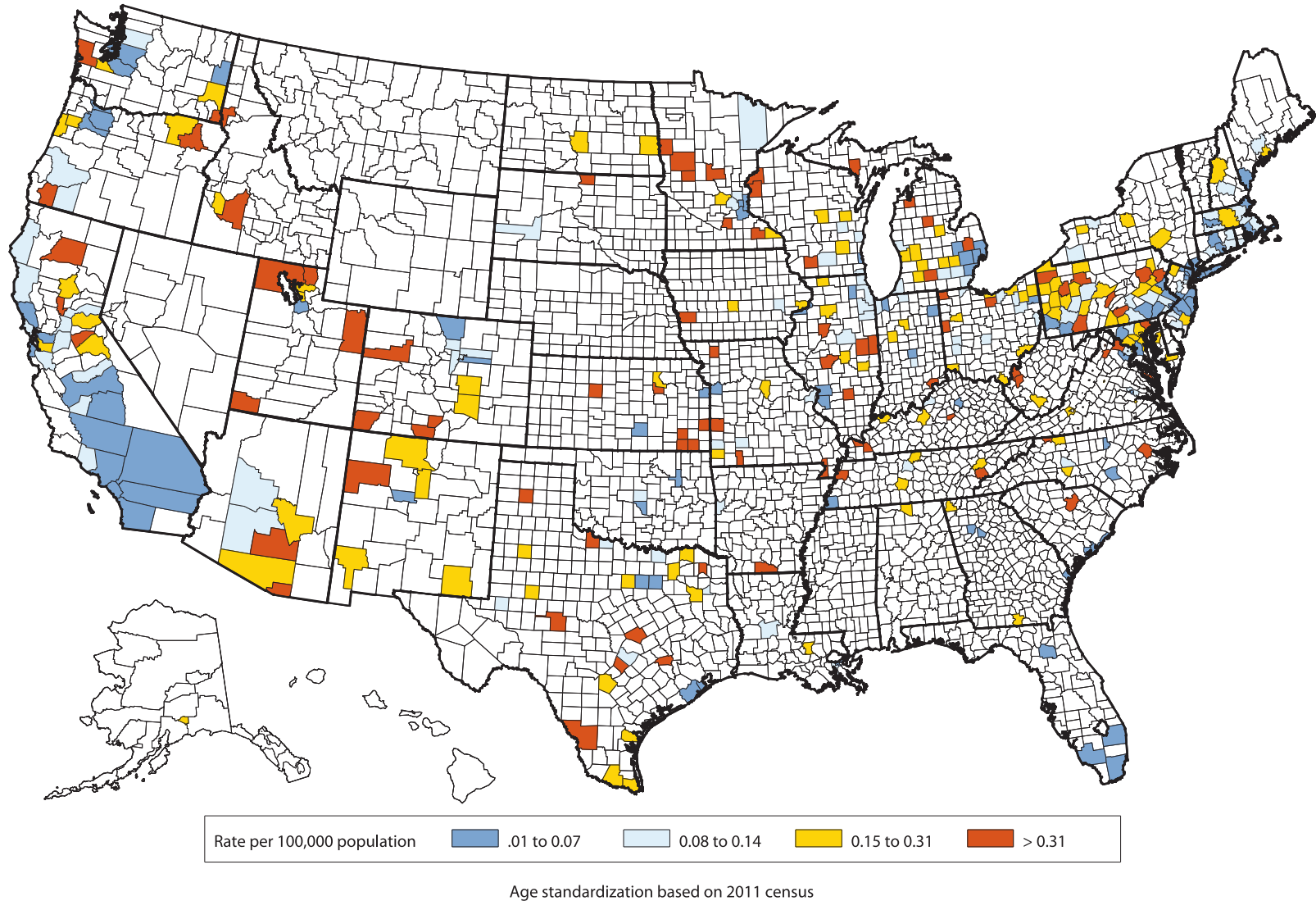
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

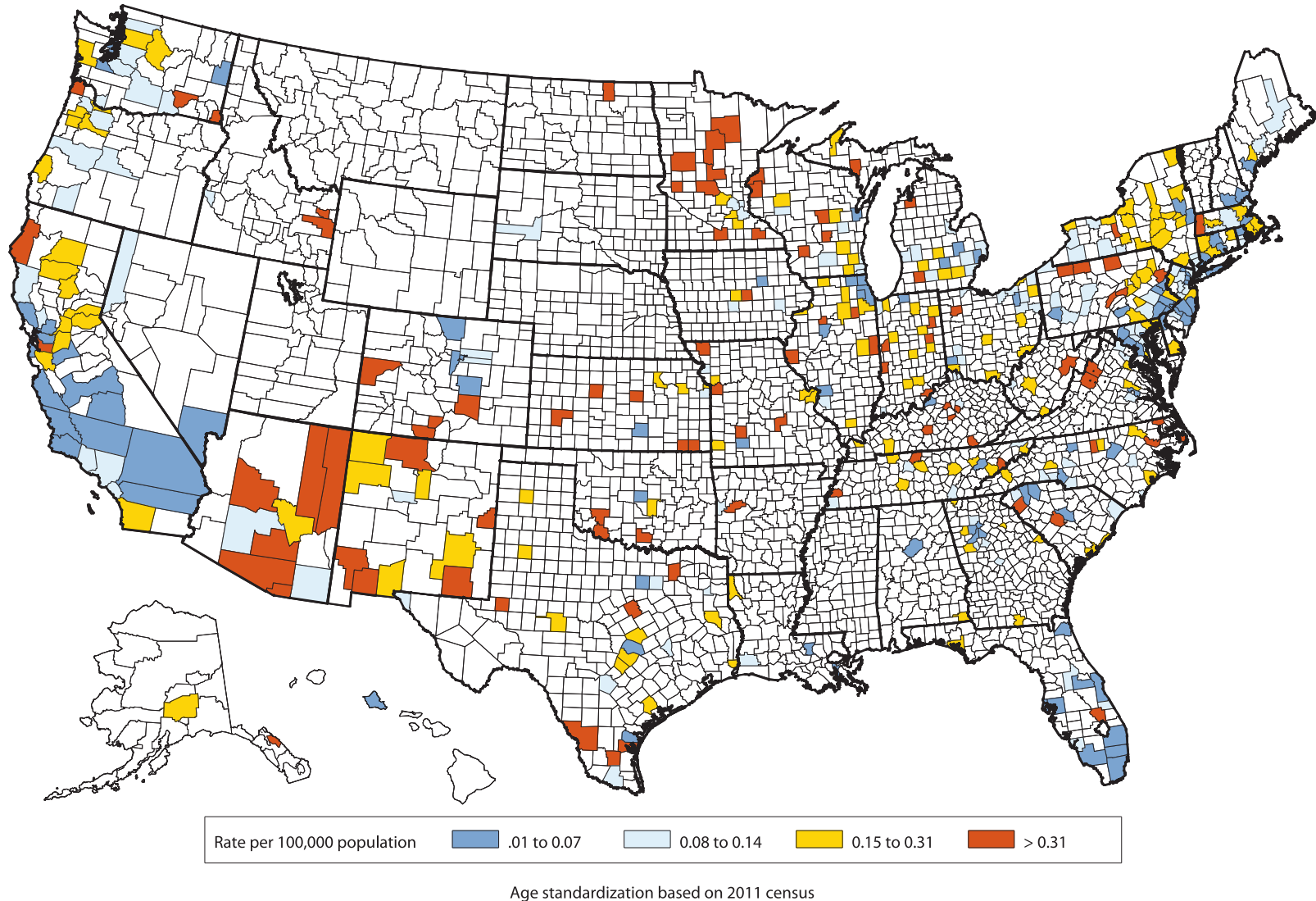
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



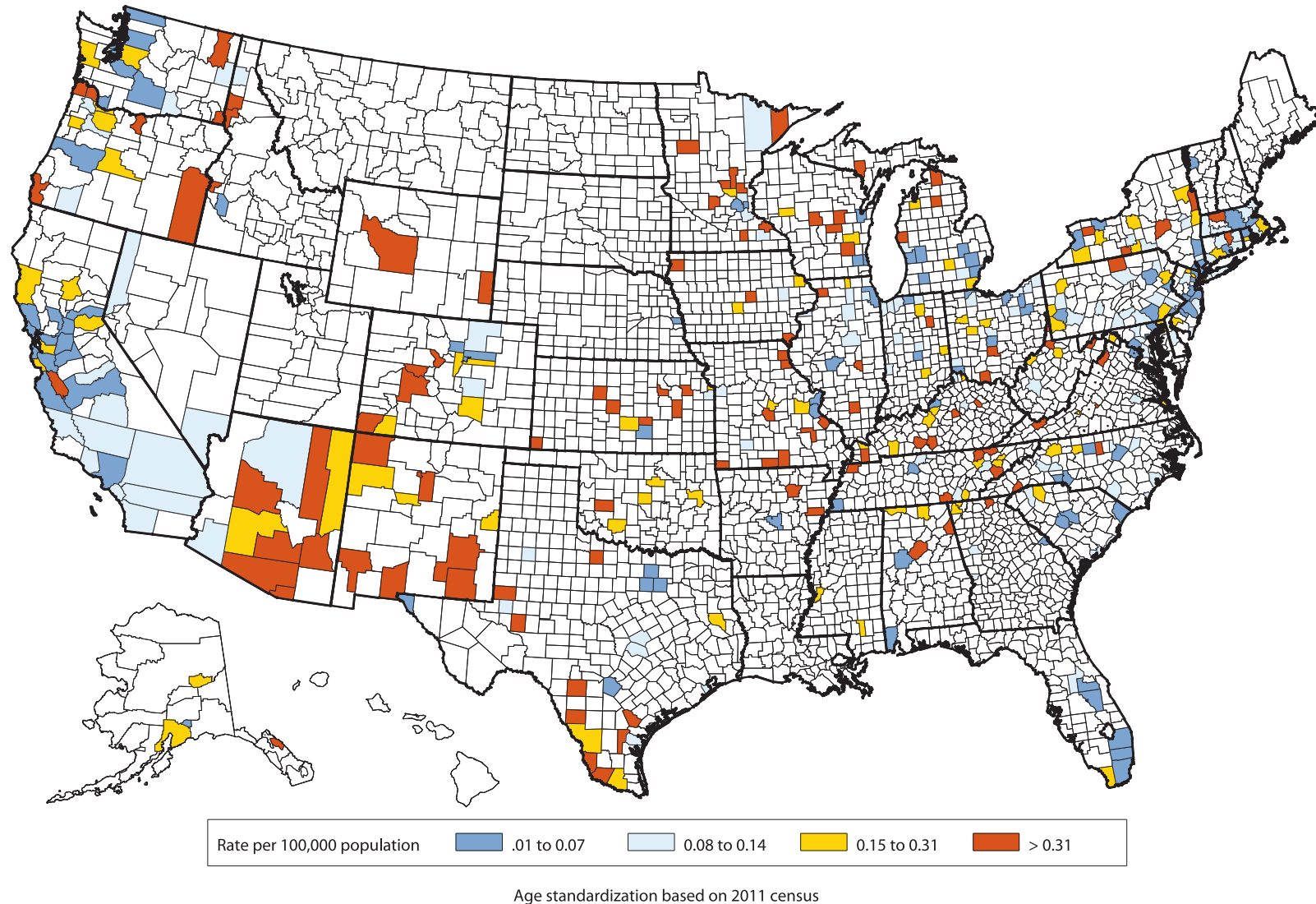
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



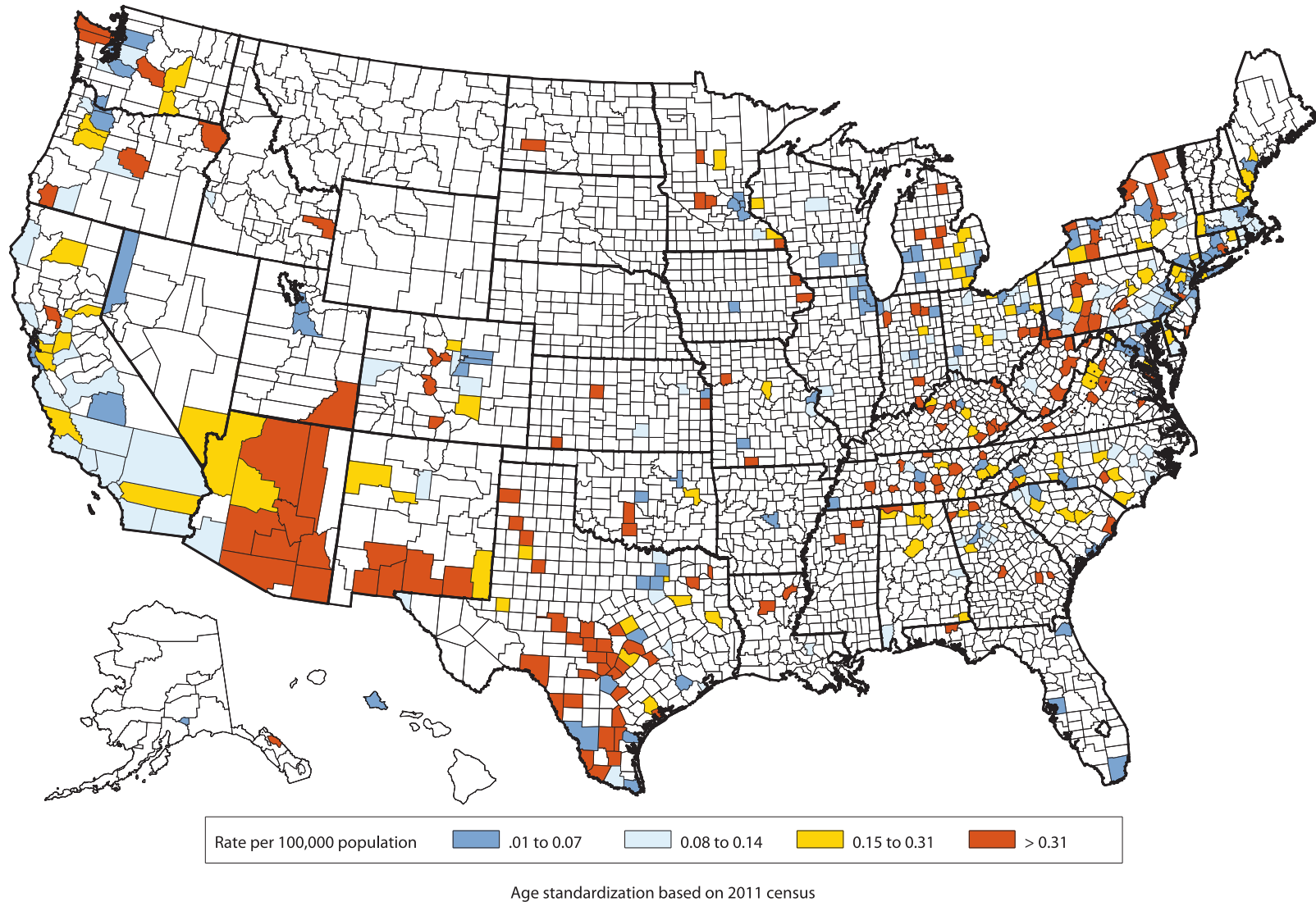
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Reading

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

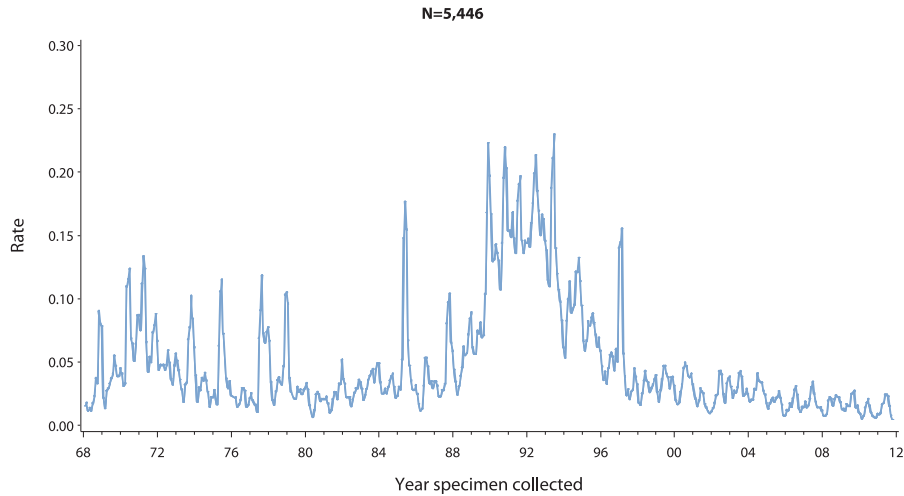


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

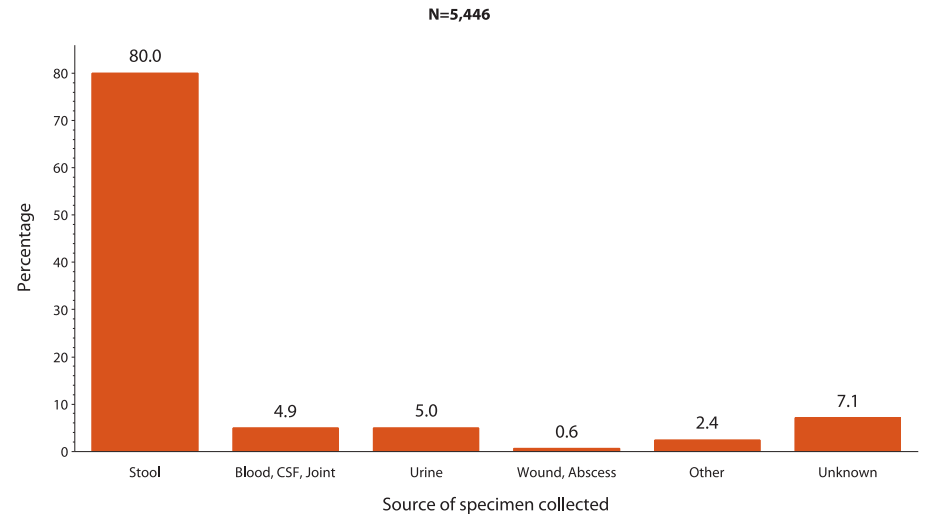


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

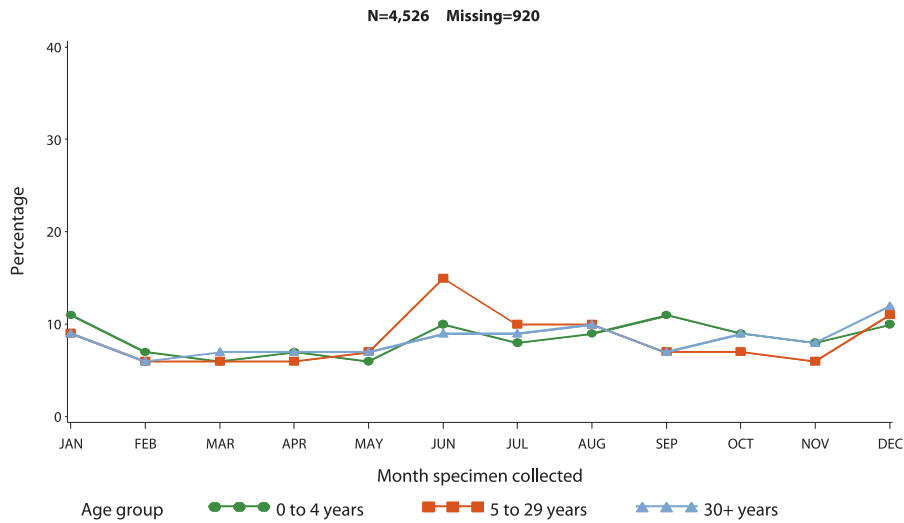
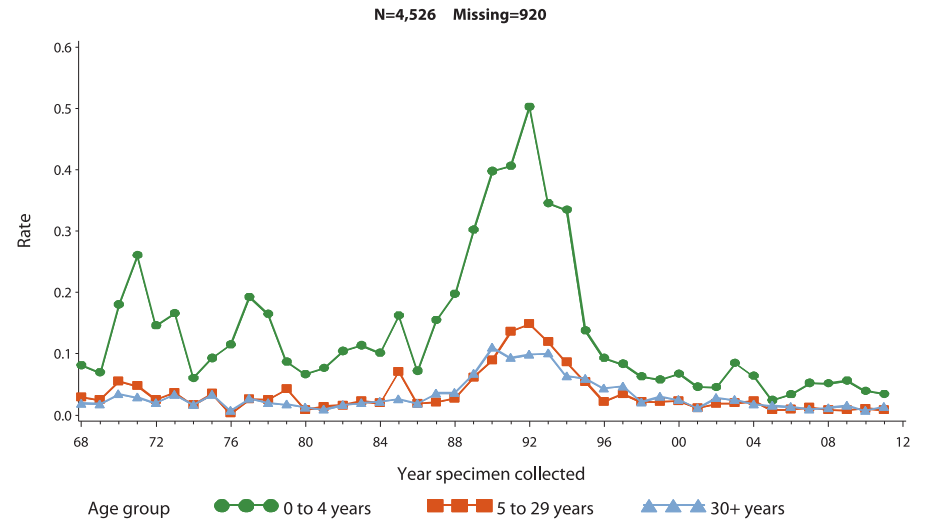


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Reading

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=4,526 Missing=1,014

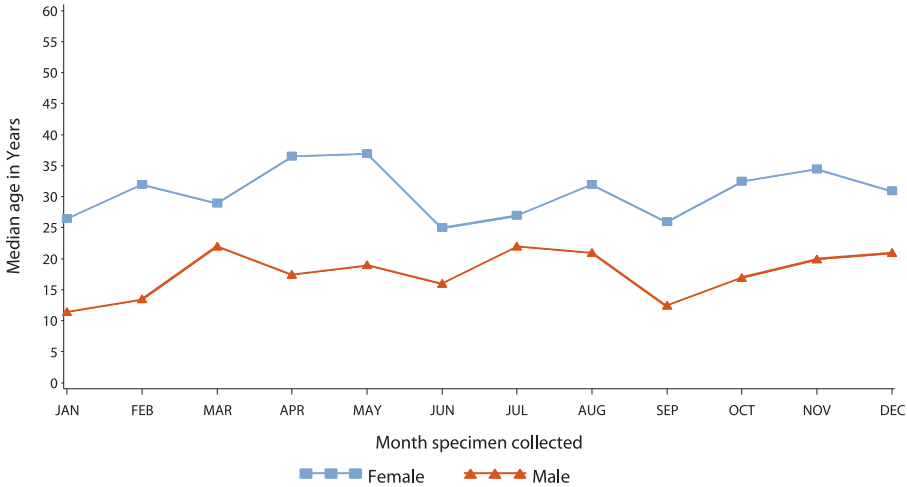


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=4,526 Missing=1,014

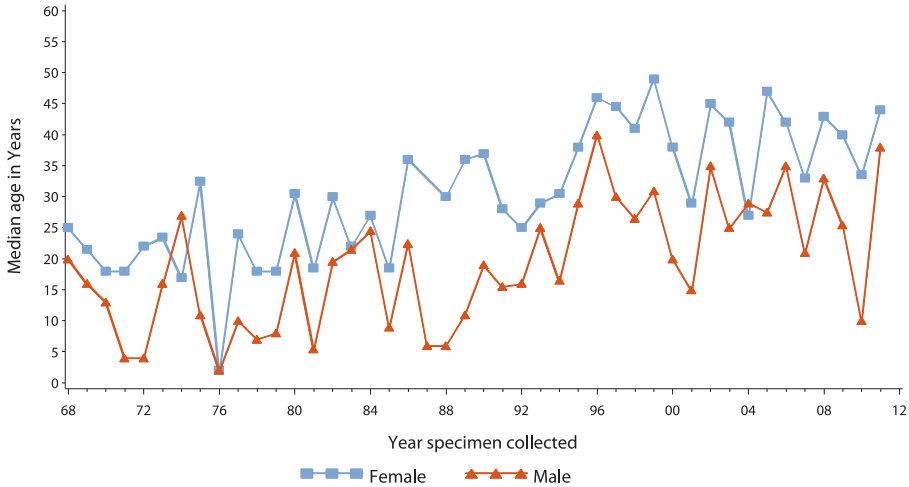


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=4,526 Missing=1,014

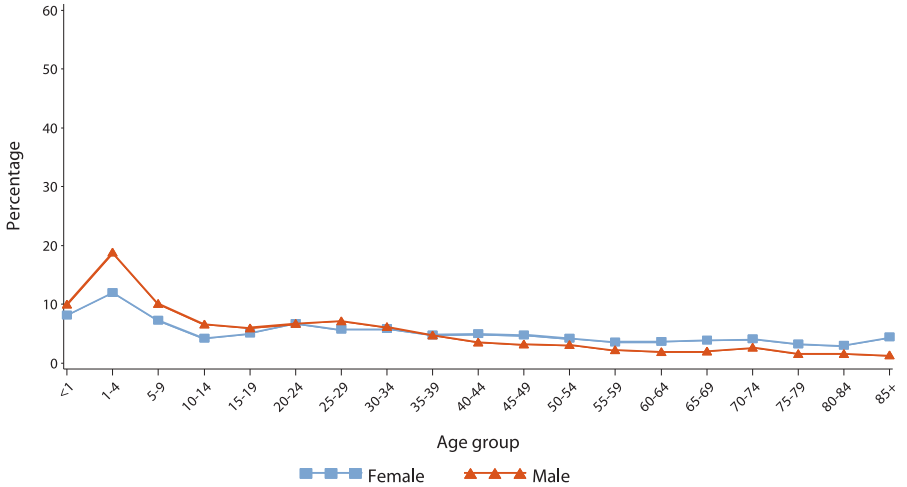


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=7,812

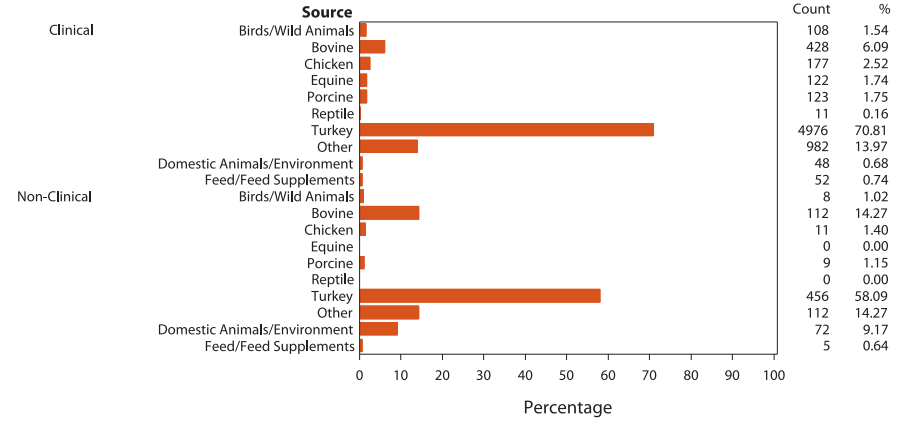
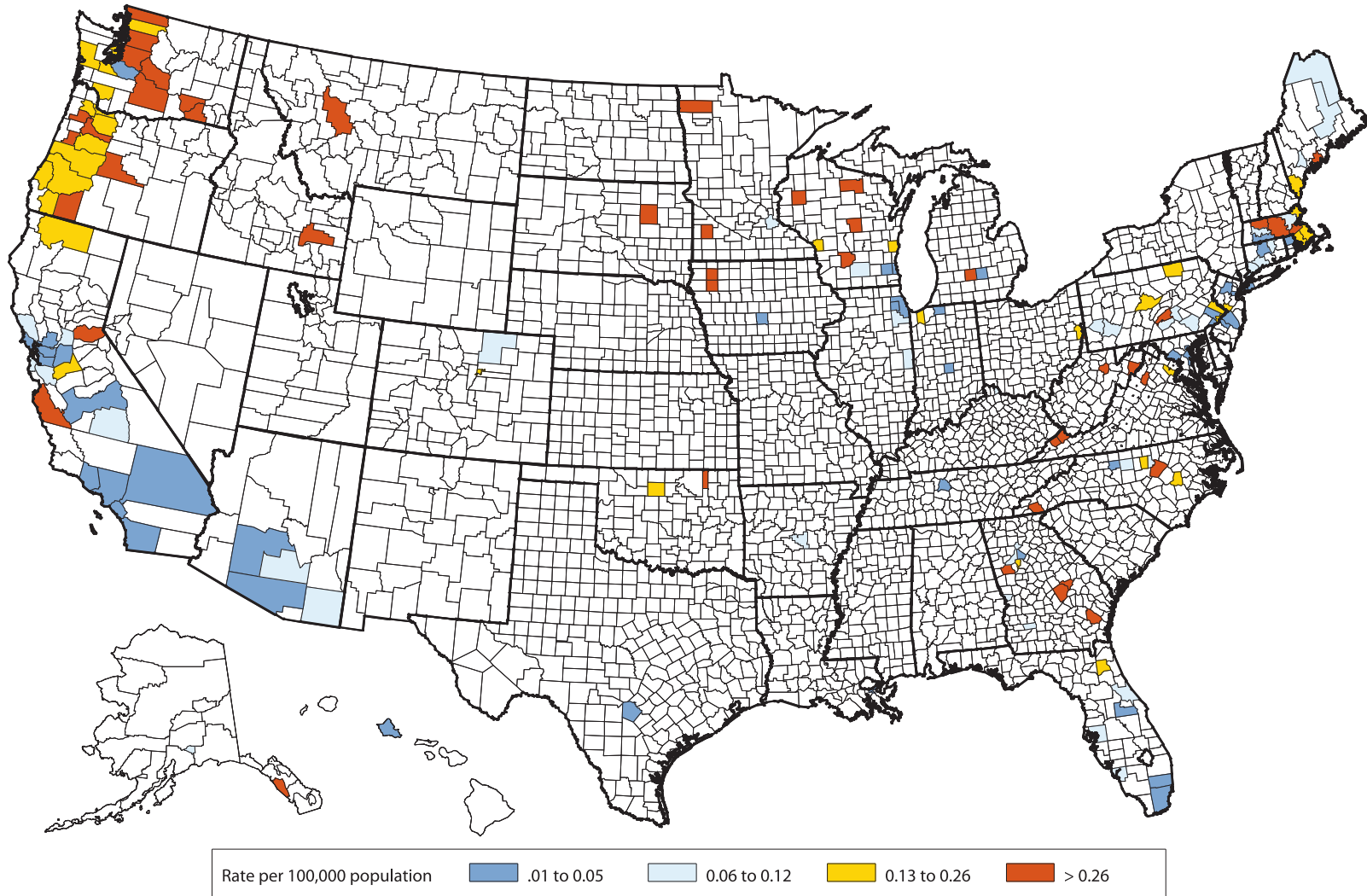


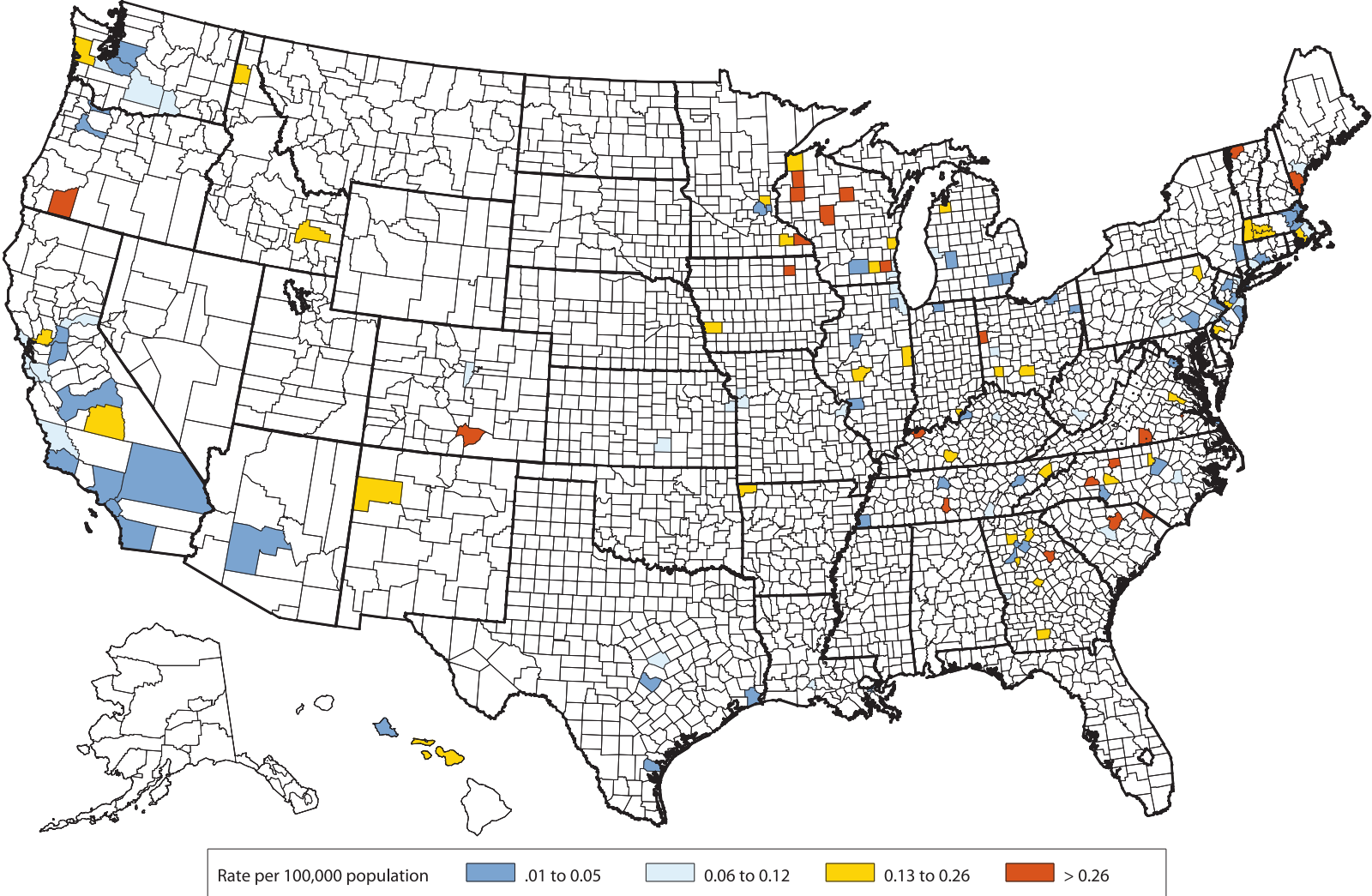
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

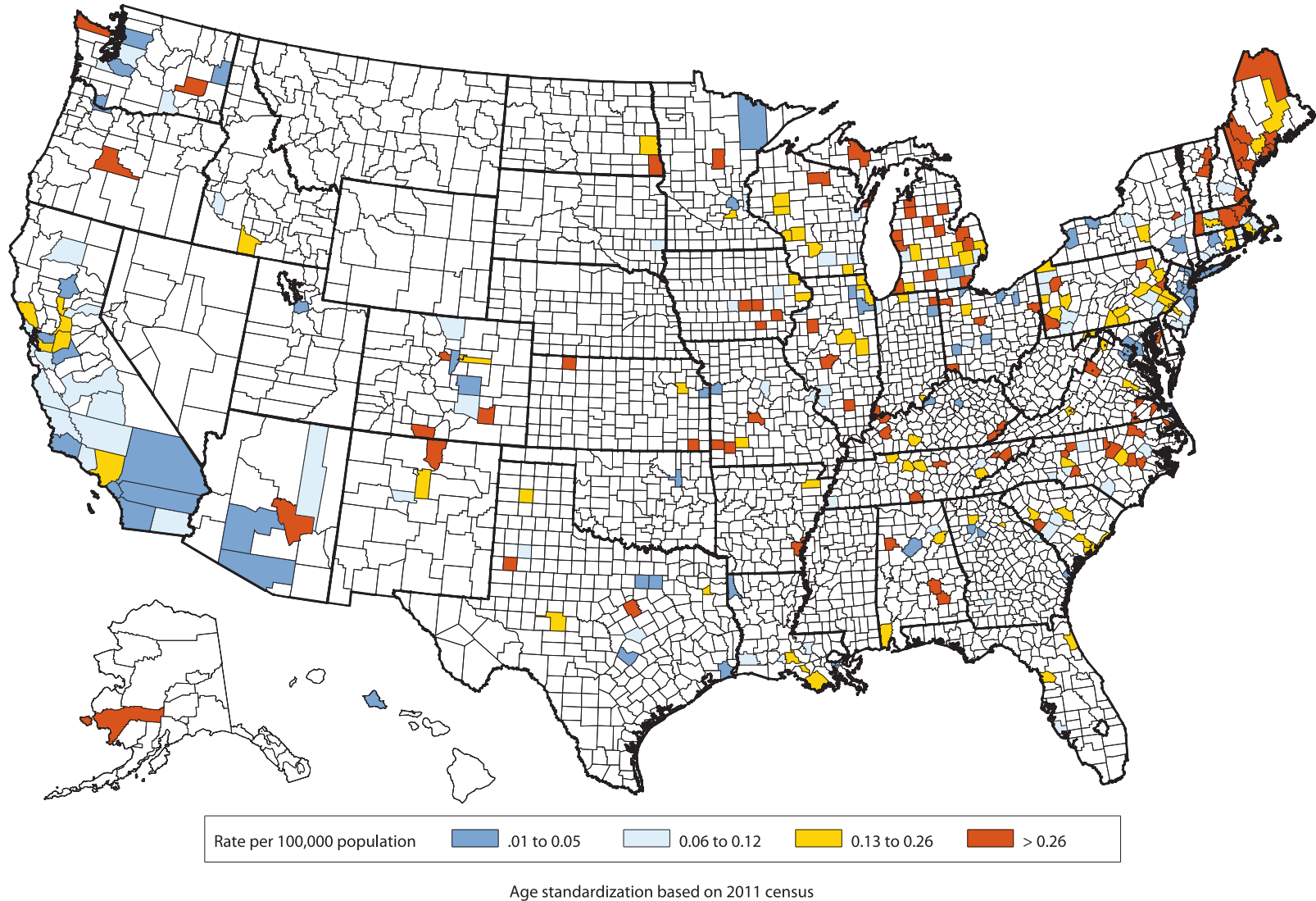
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

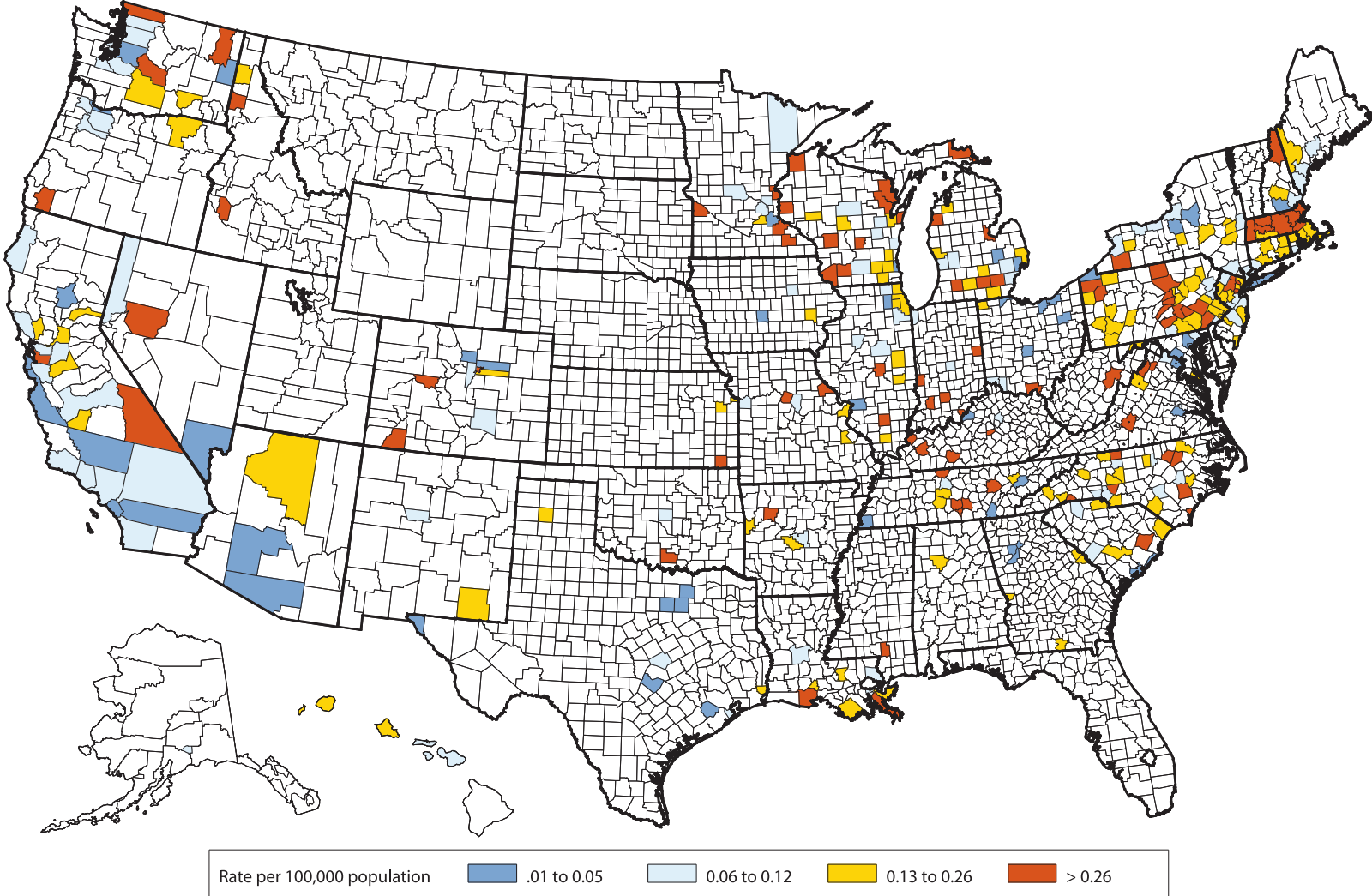
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



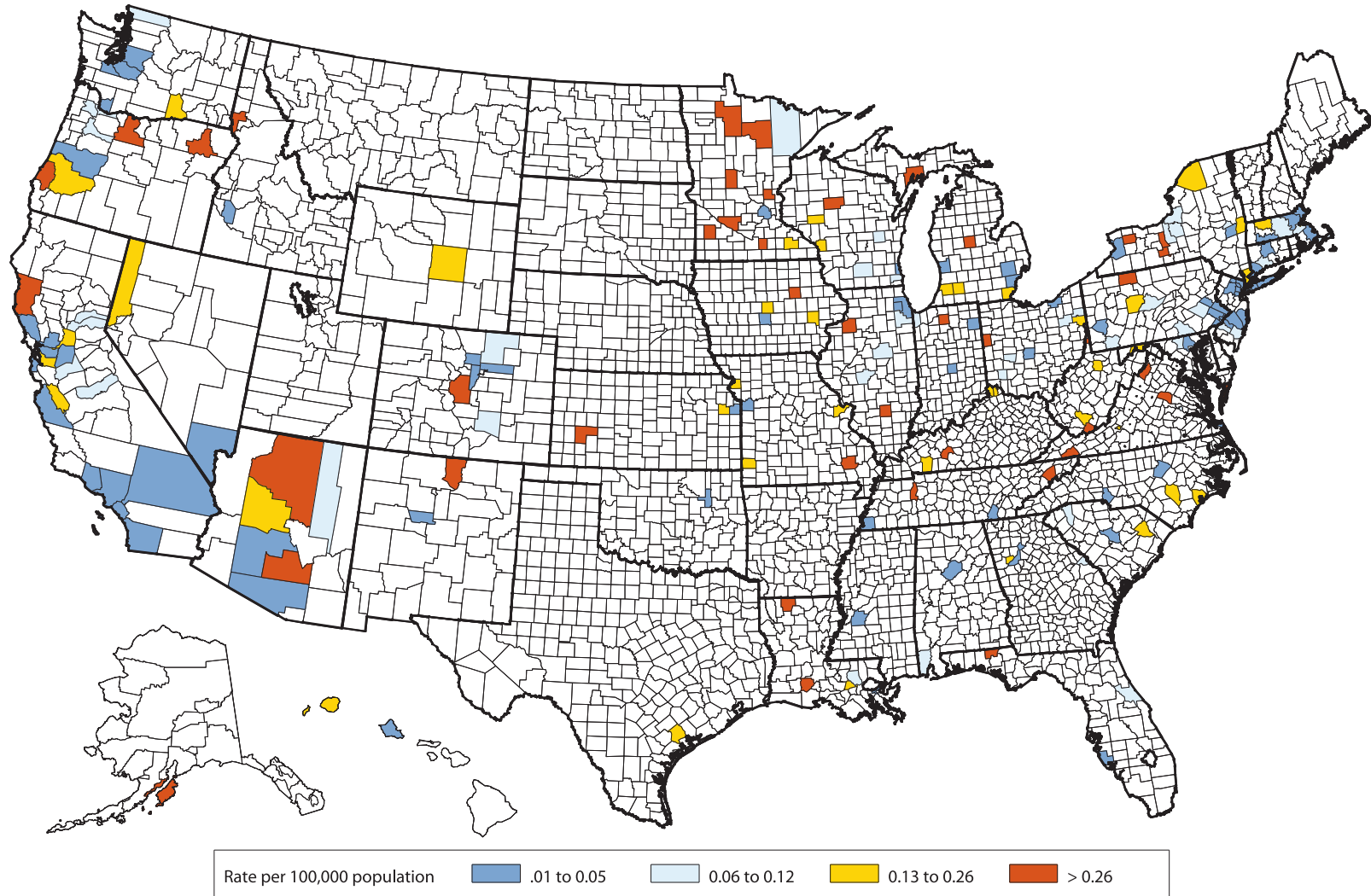
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



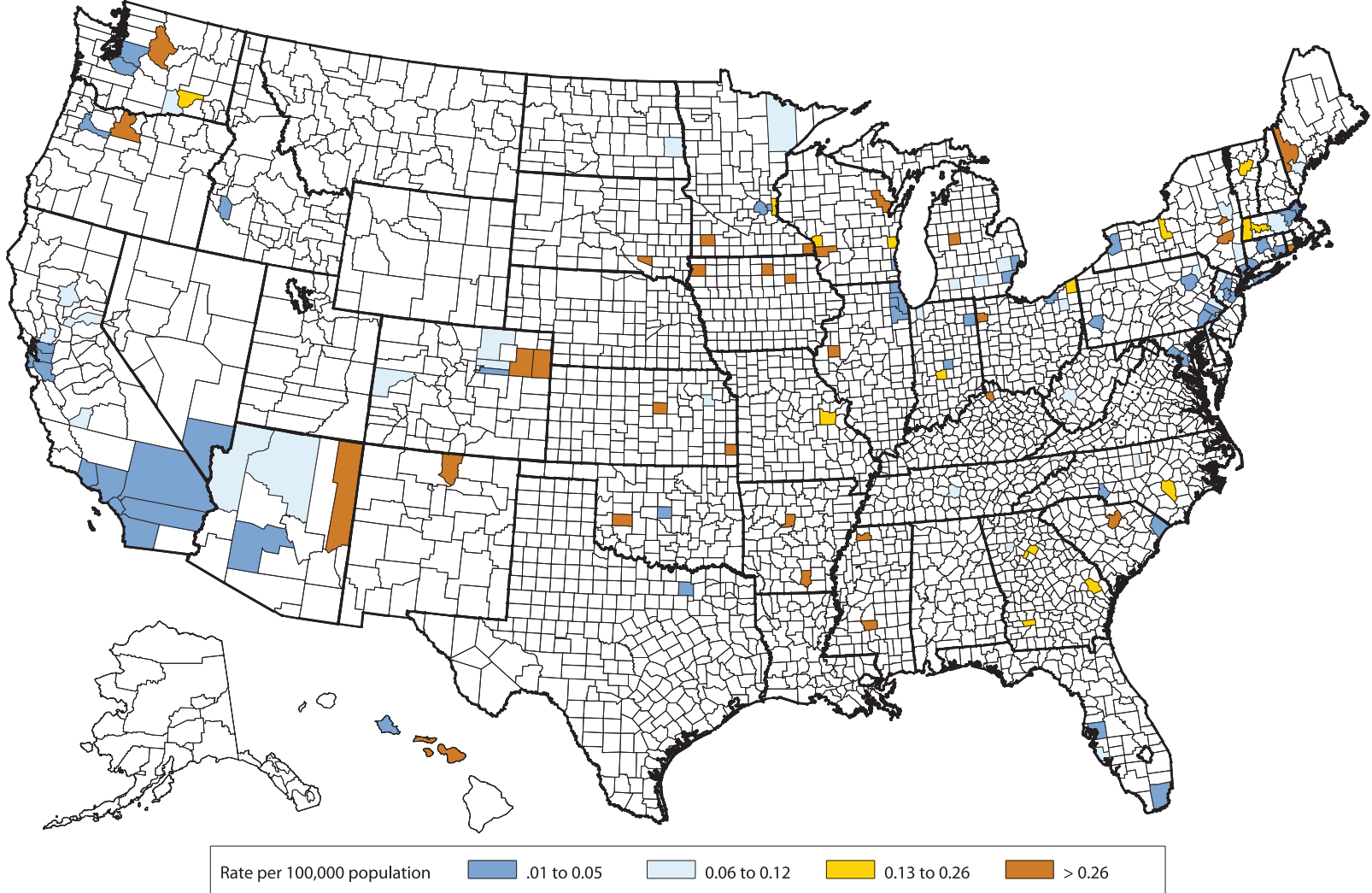
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Saintpaul

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

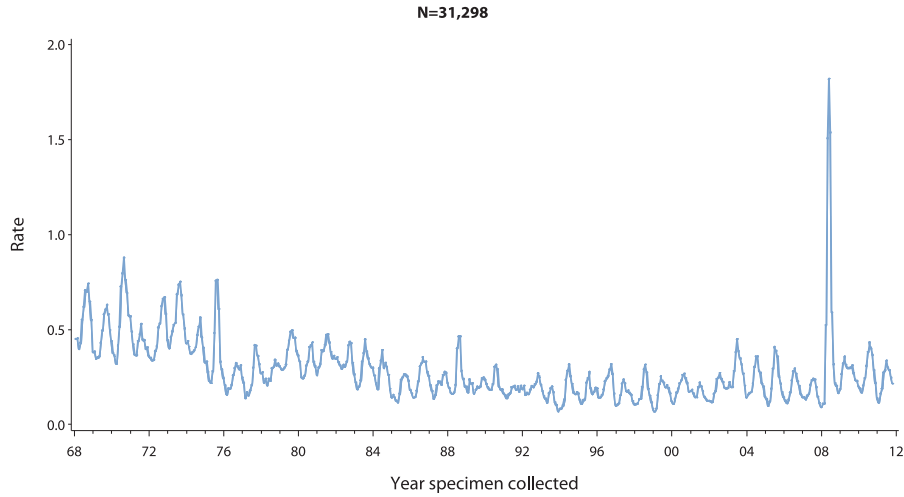


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

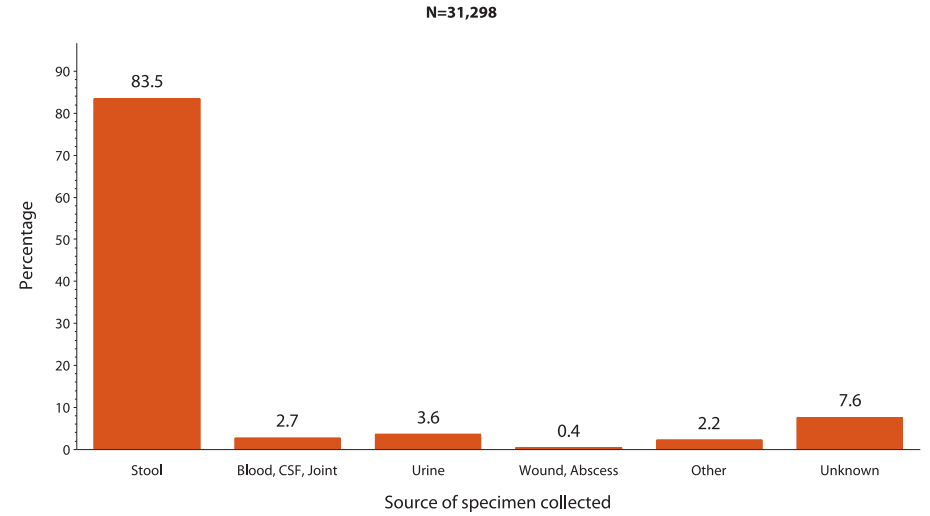


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

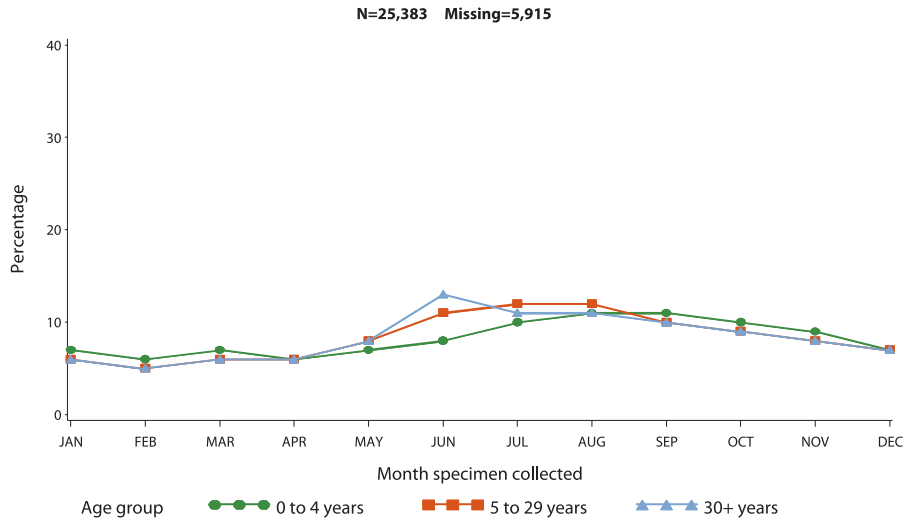
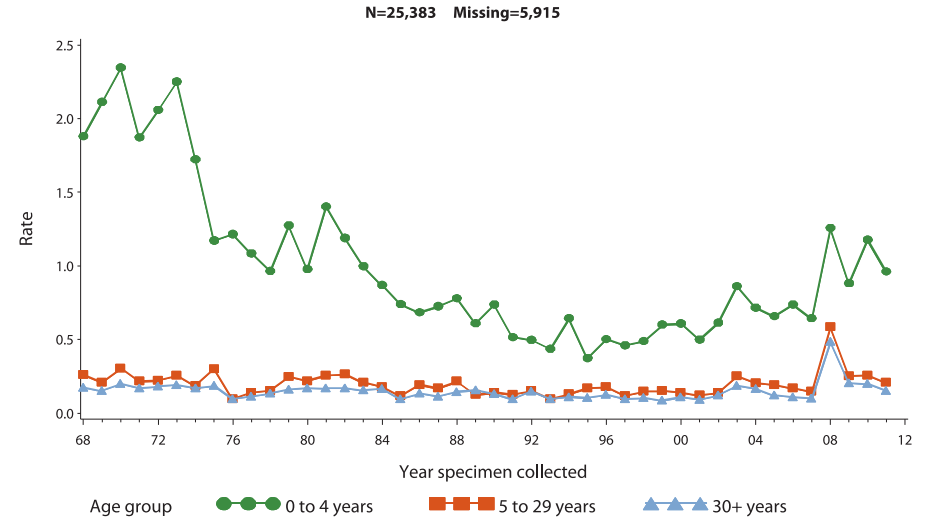


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Saintpaul

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=25,383 Missing=6,496

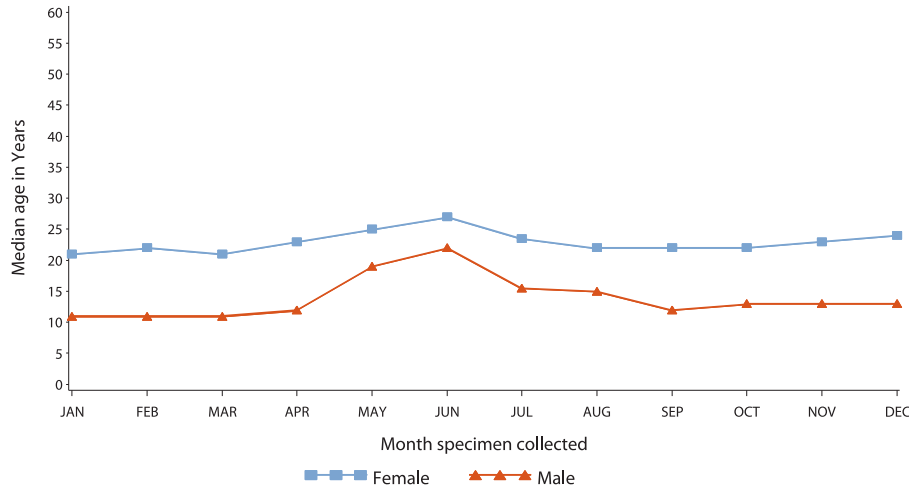


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=25,383 Missing=6,496

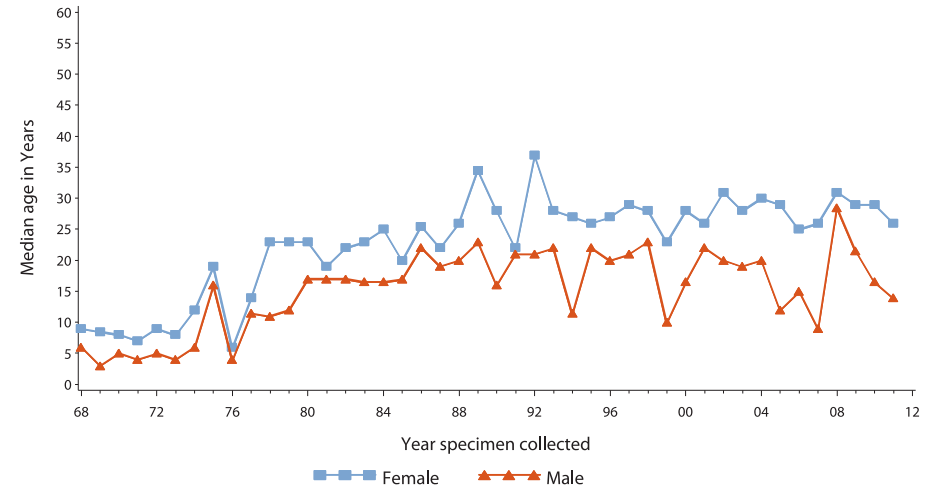


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=25,383 Missing=6,496

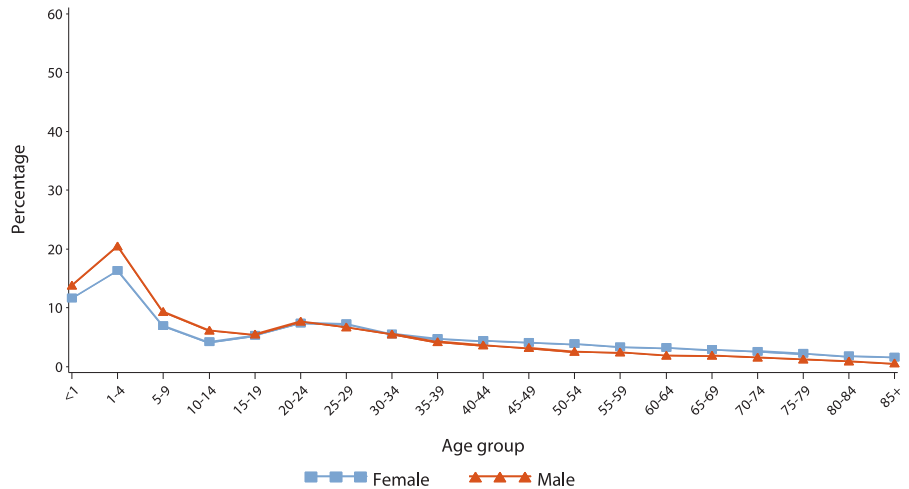


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=8,924

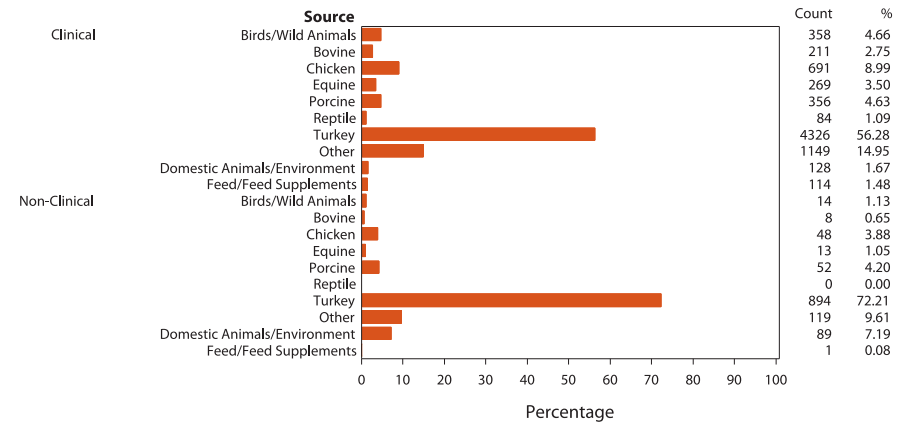
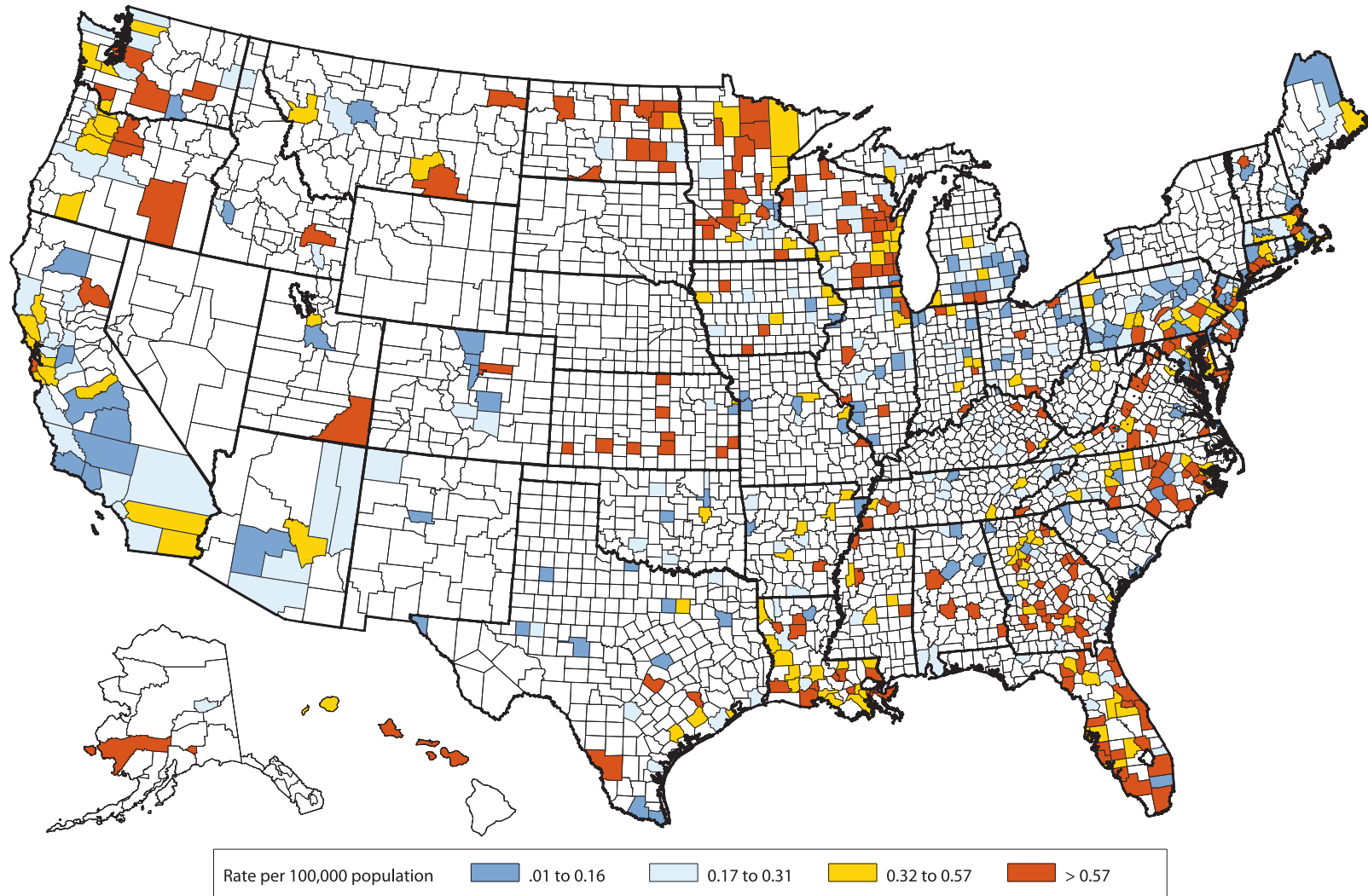


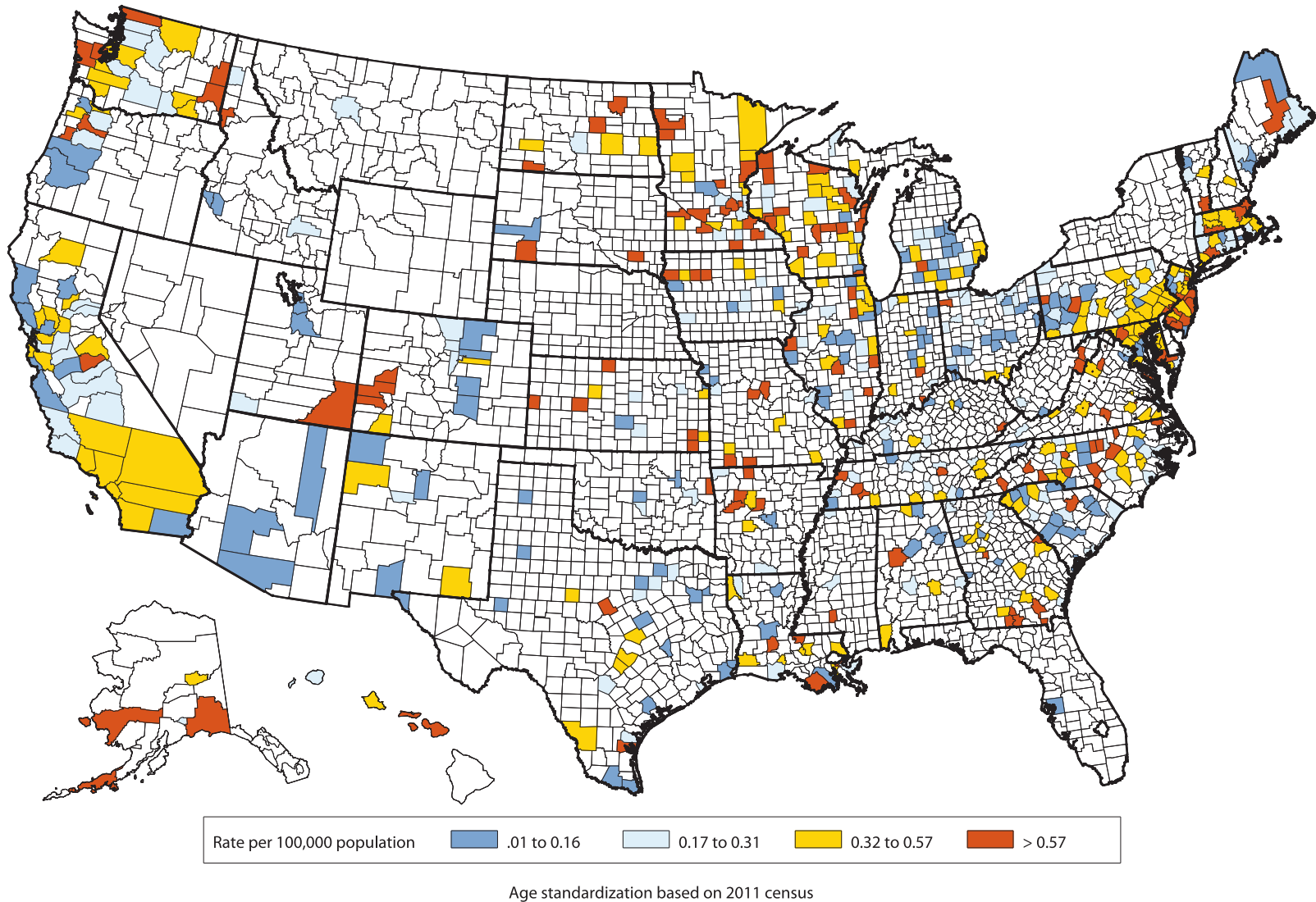
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

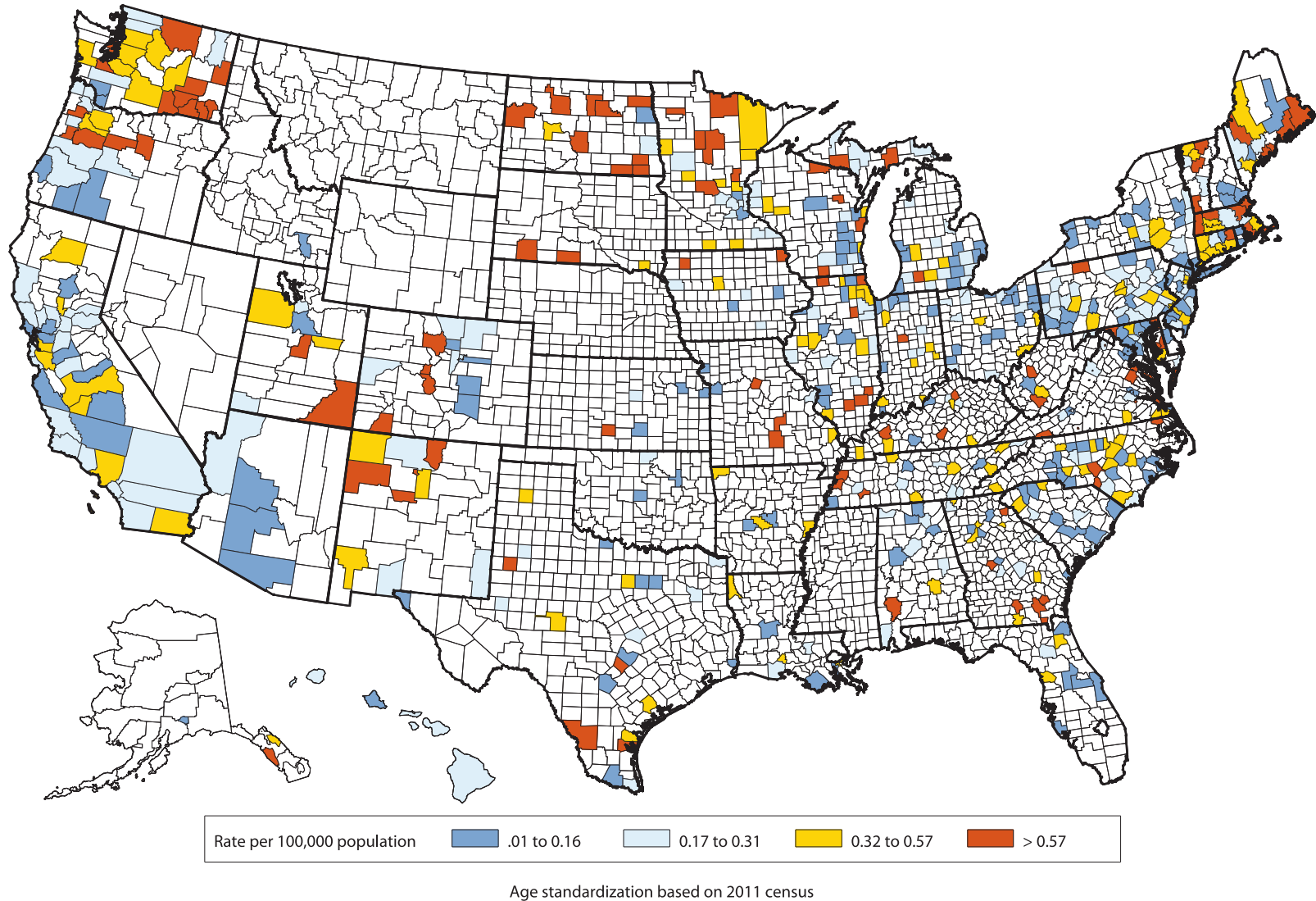
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



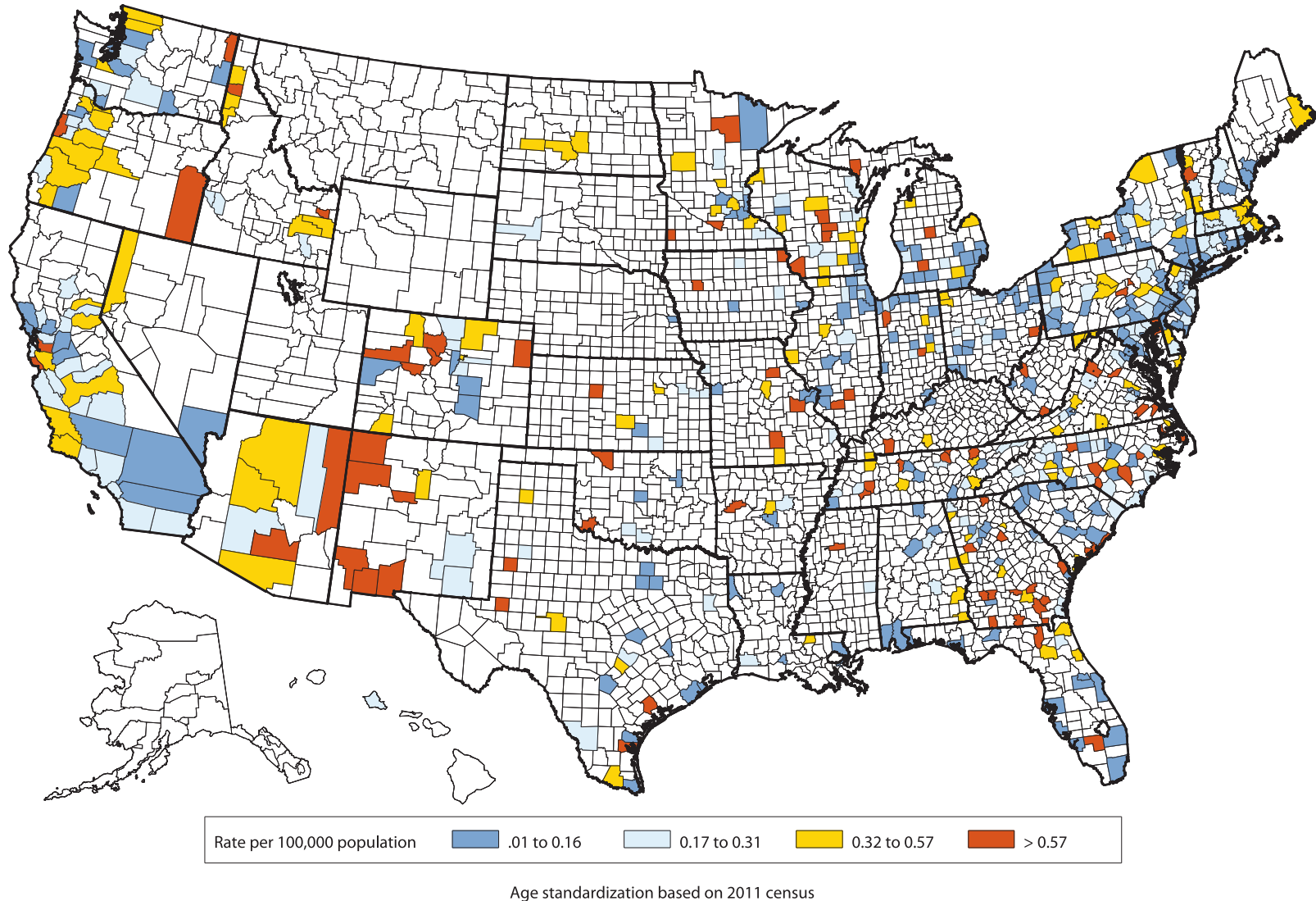
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



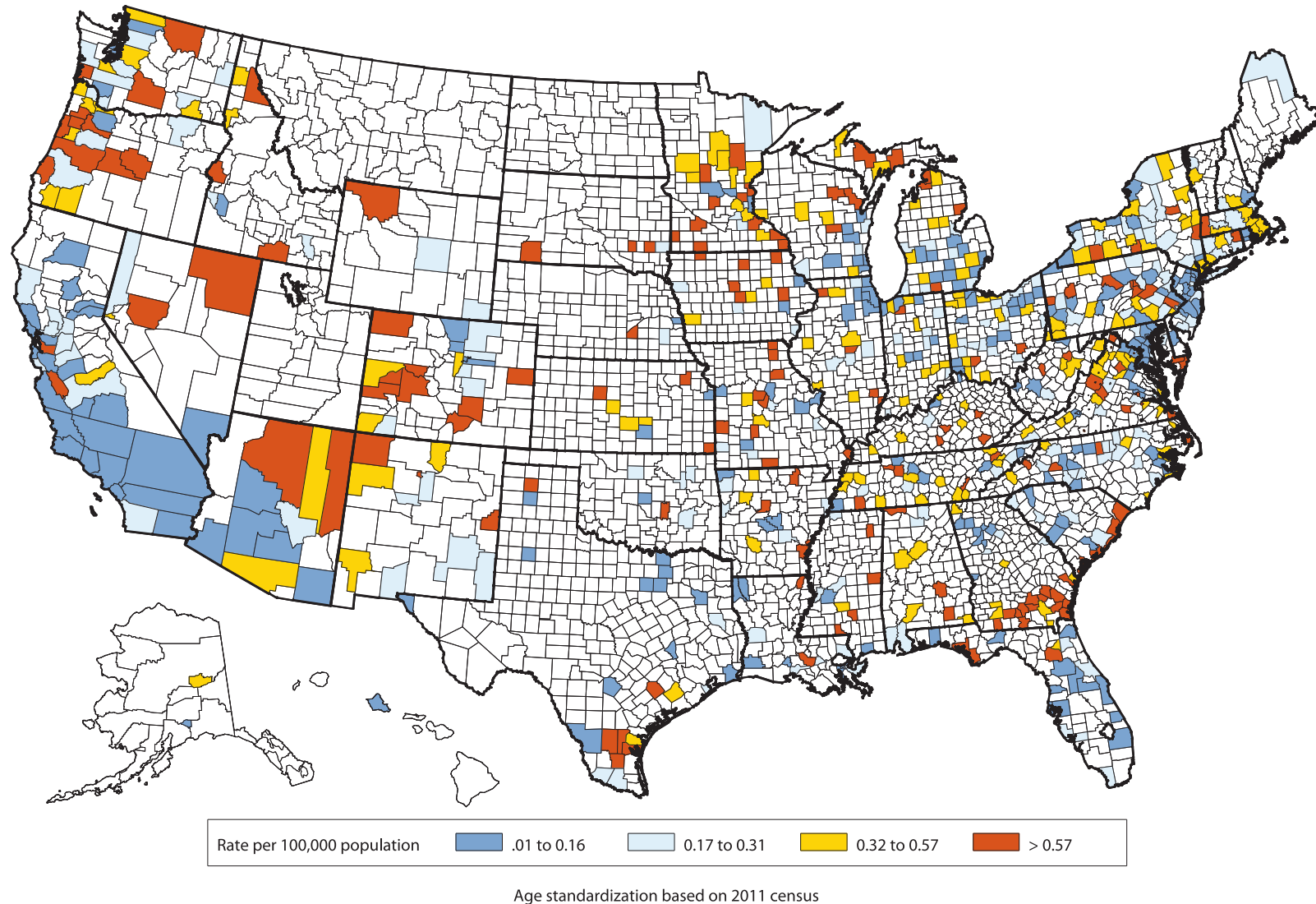
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



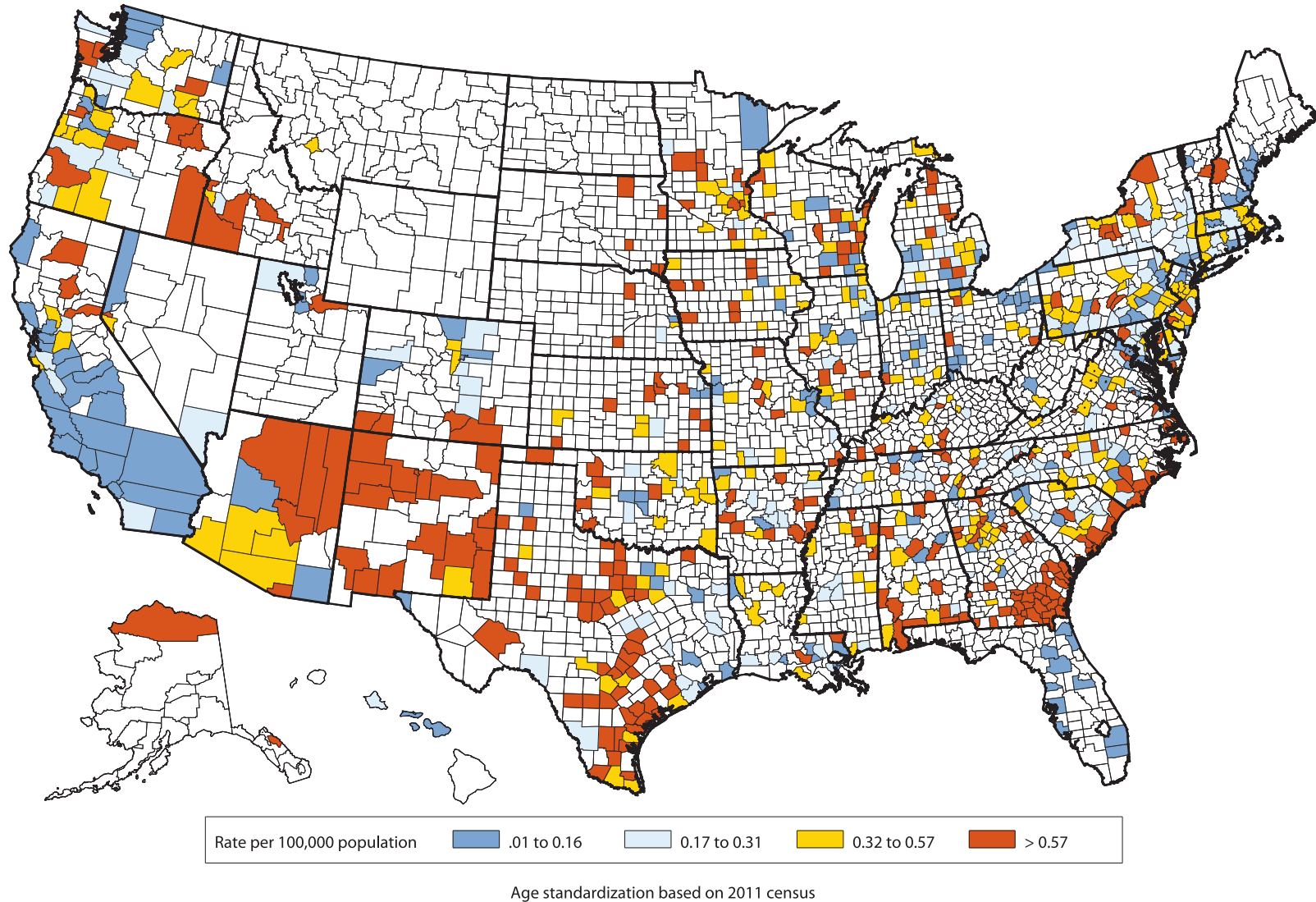
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Sandiego

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

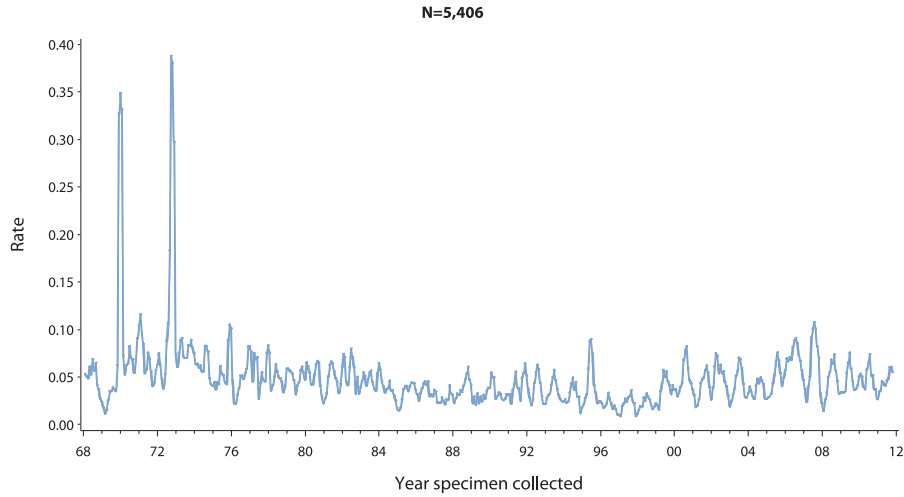


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

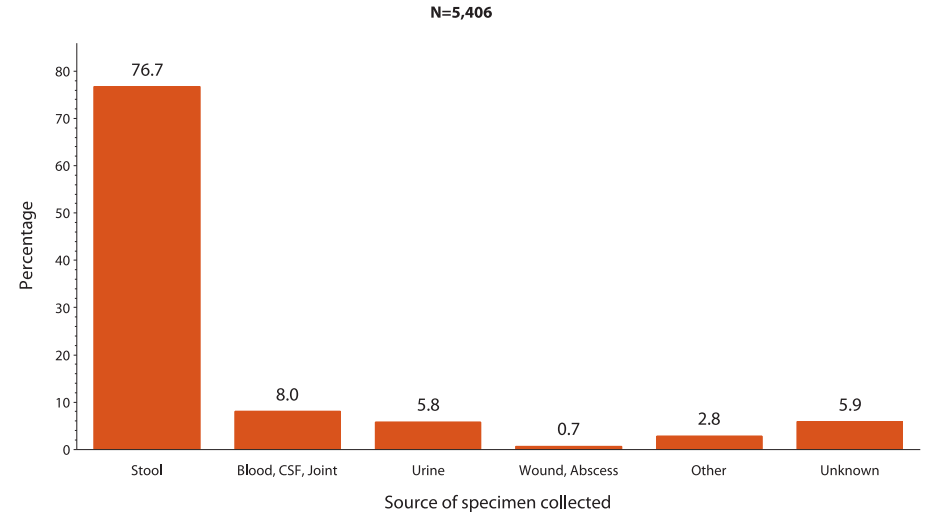


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

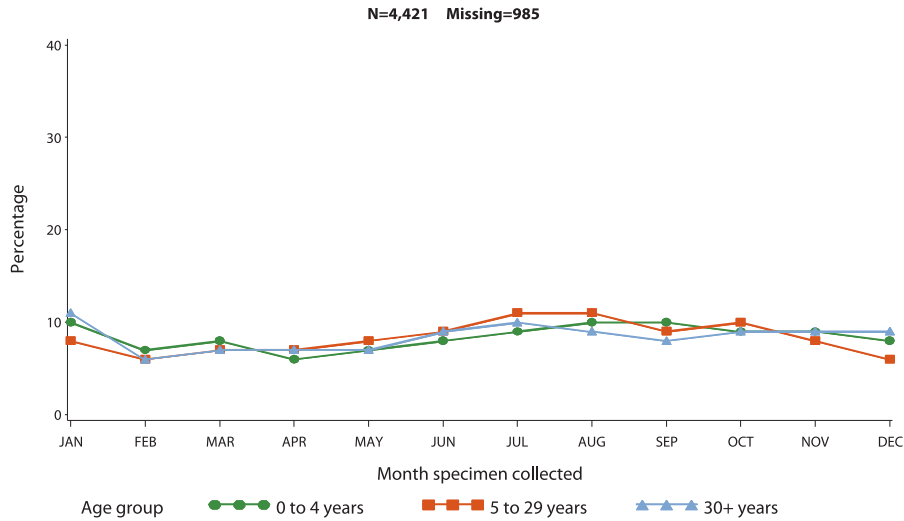
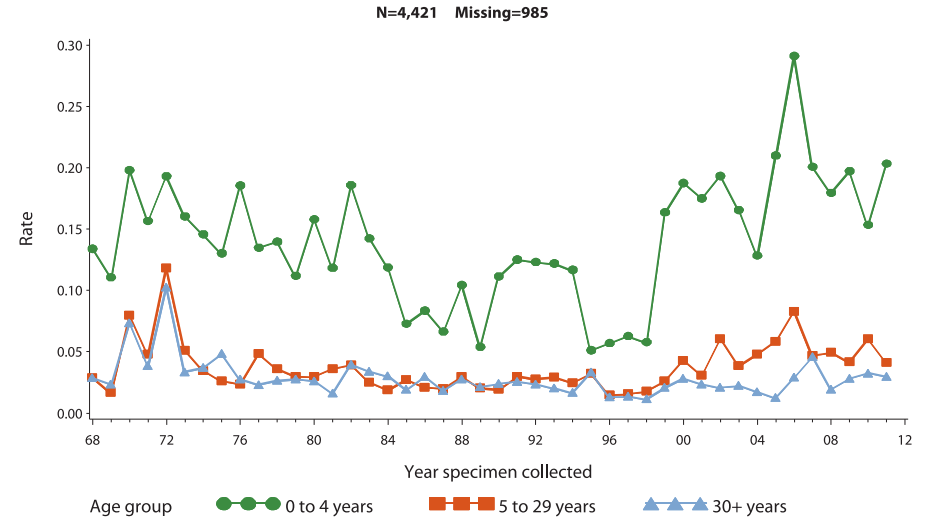


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Sandiego

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=4,421 Missing=1,079

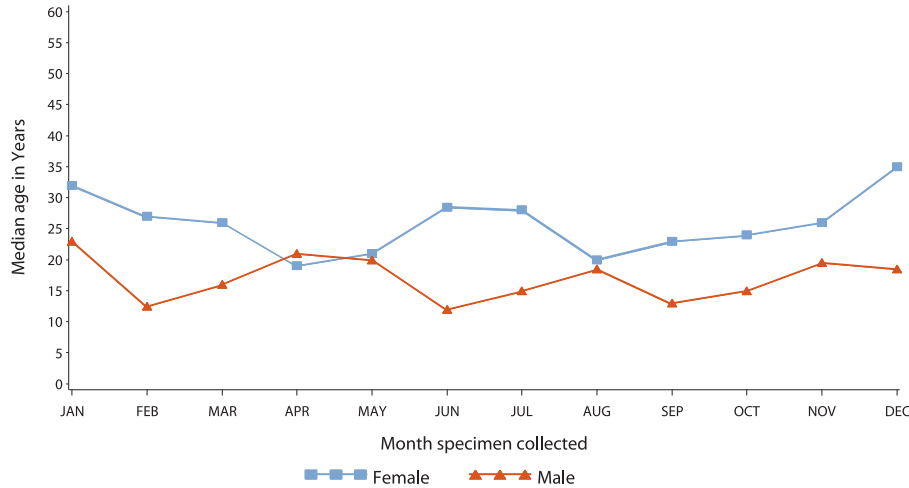


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=4,421 Missing=1,079

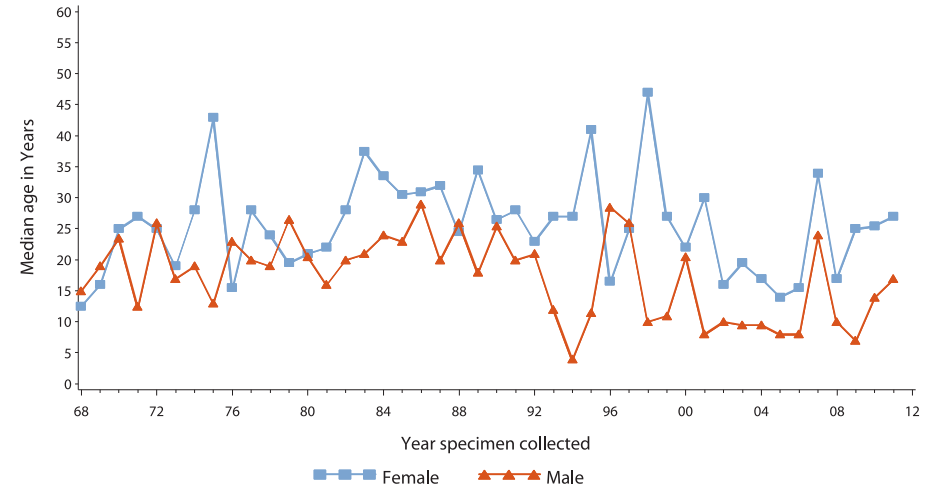


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=4,421 Missing=1,079

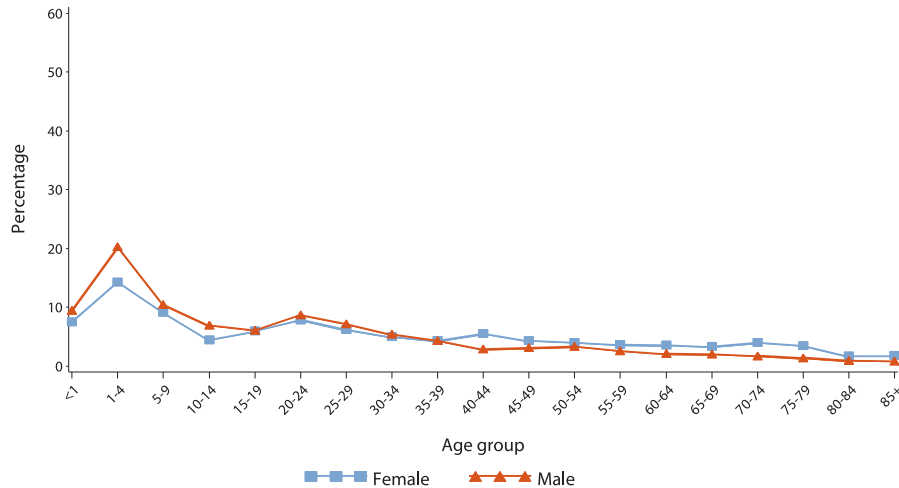
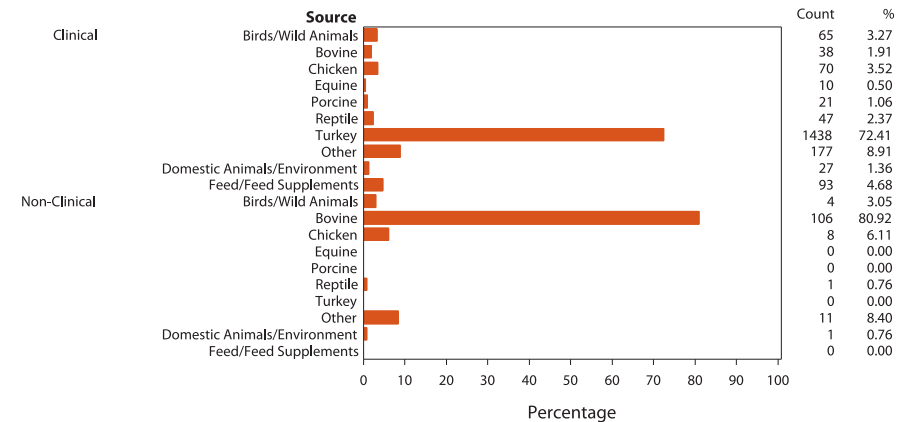


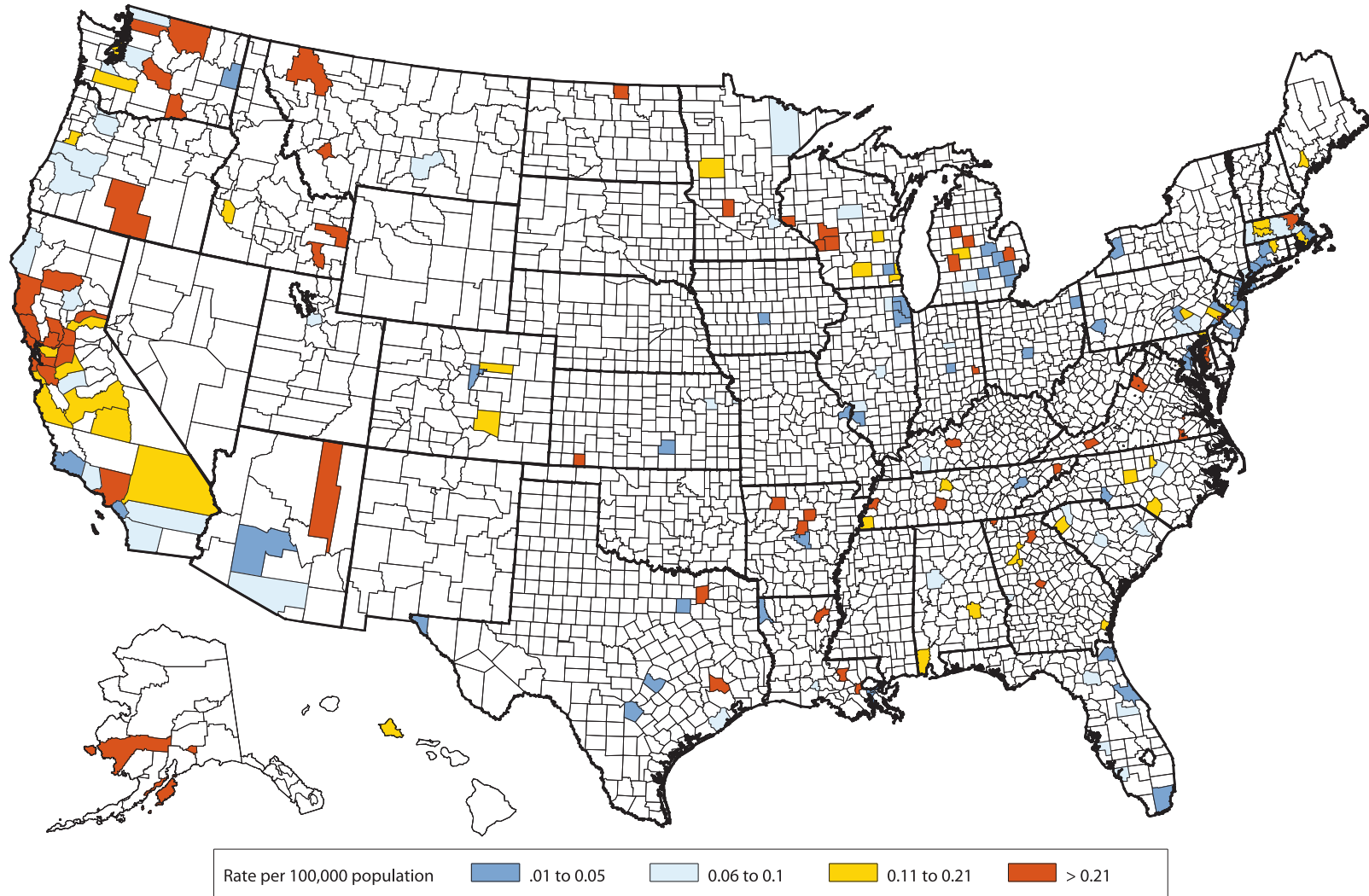
Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=2,117



Salmonella serotype Sandiego

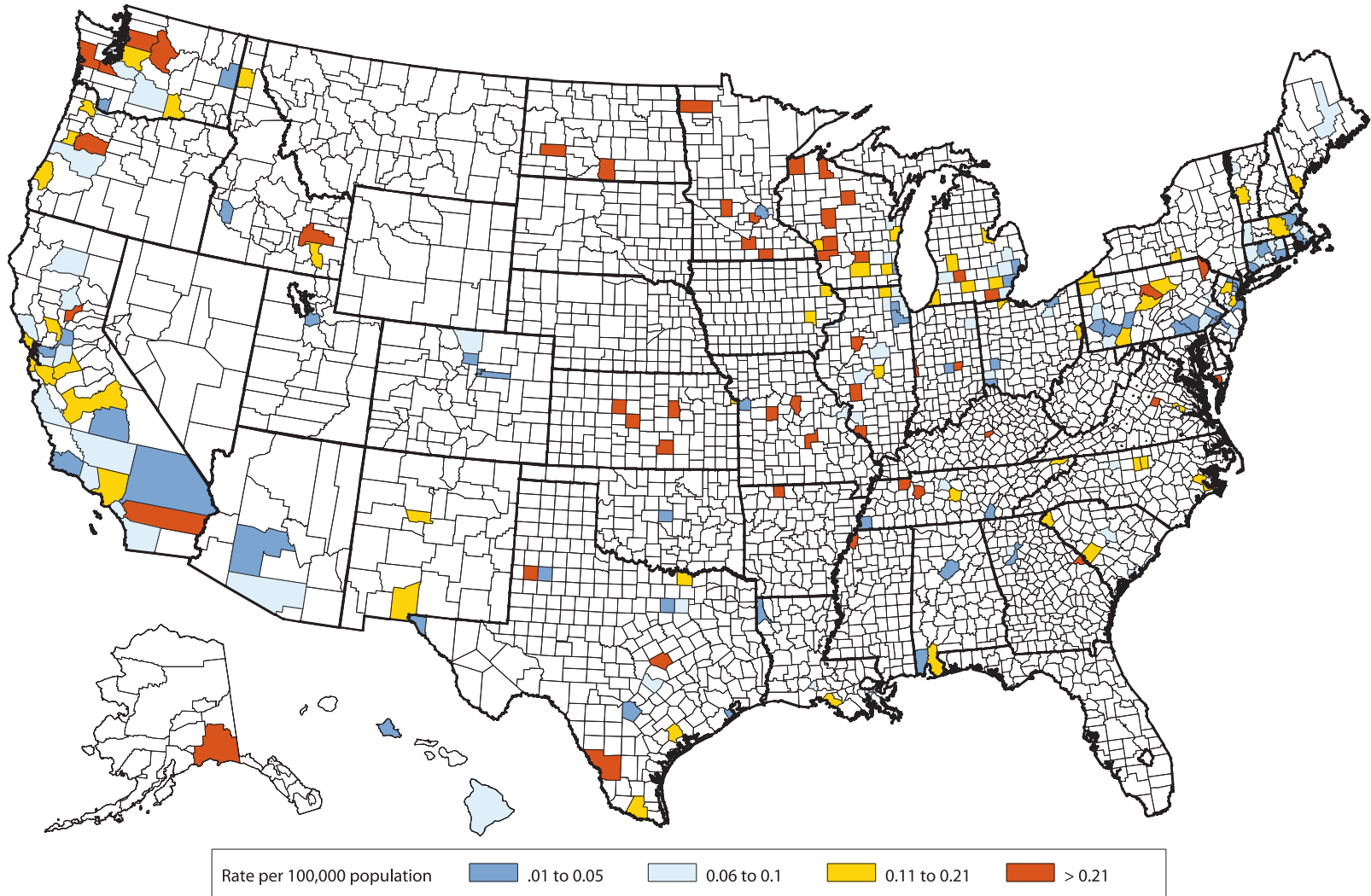
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

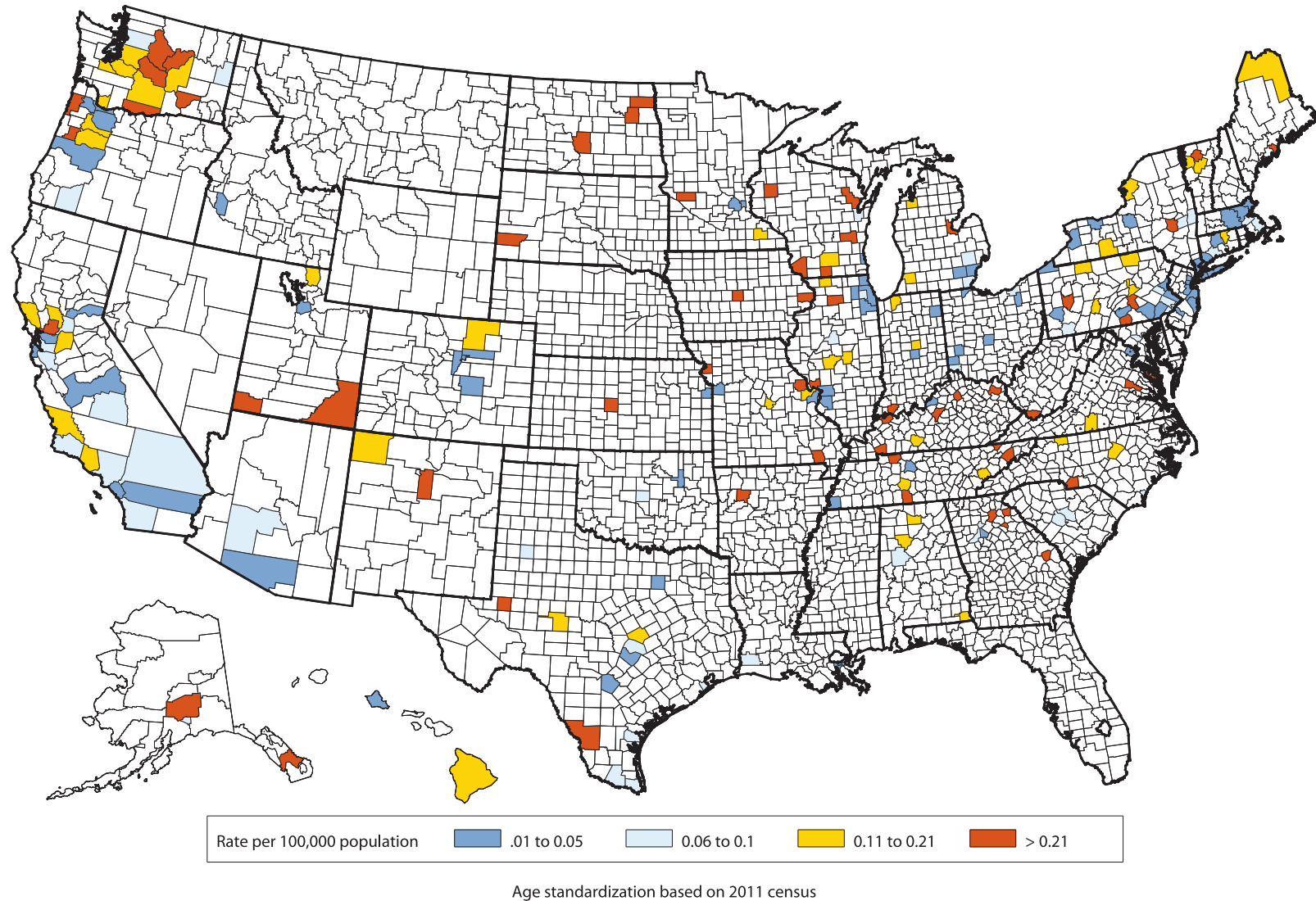
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

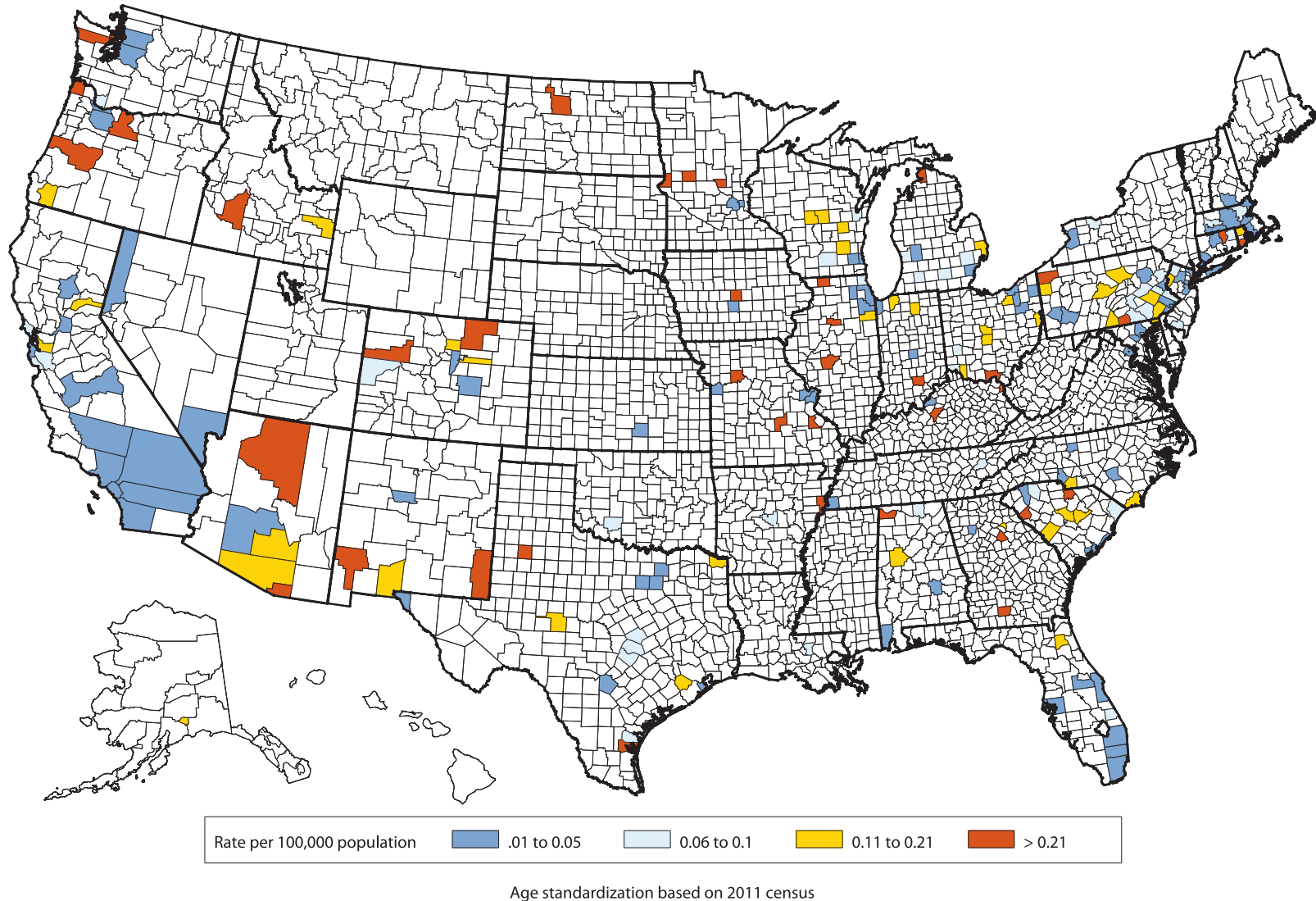
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



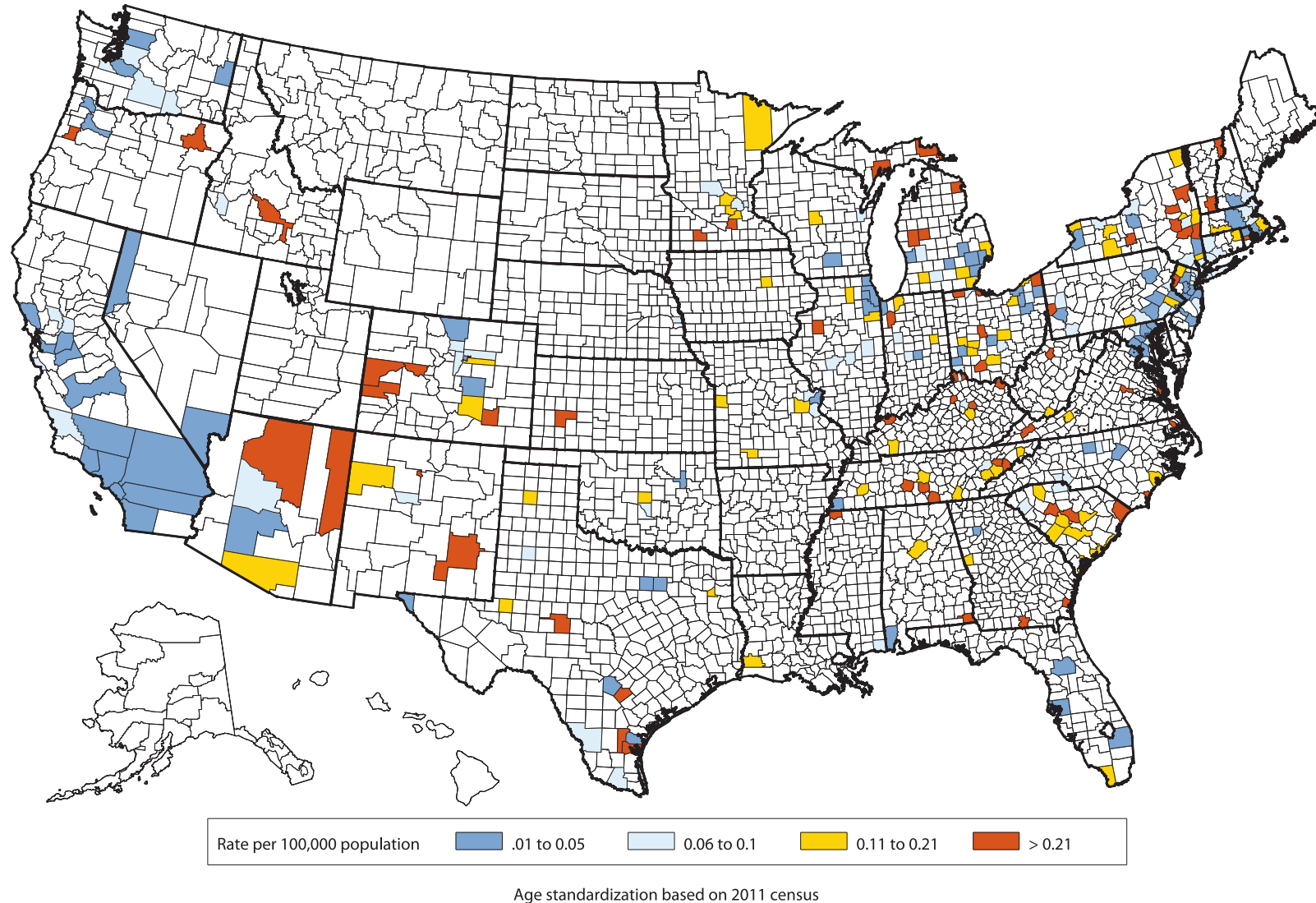
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



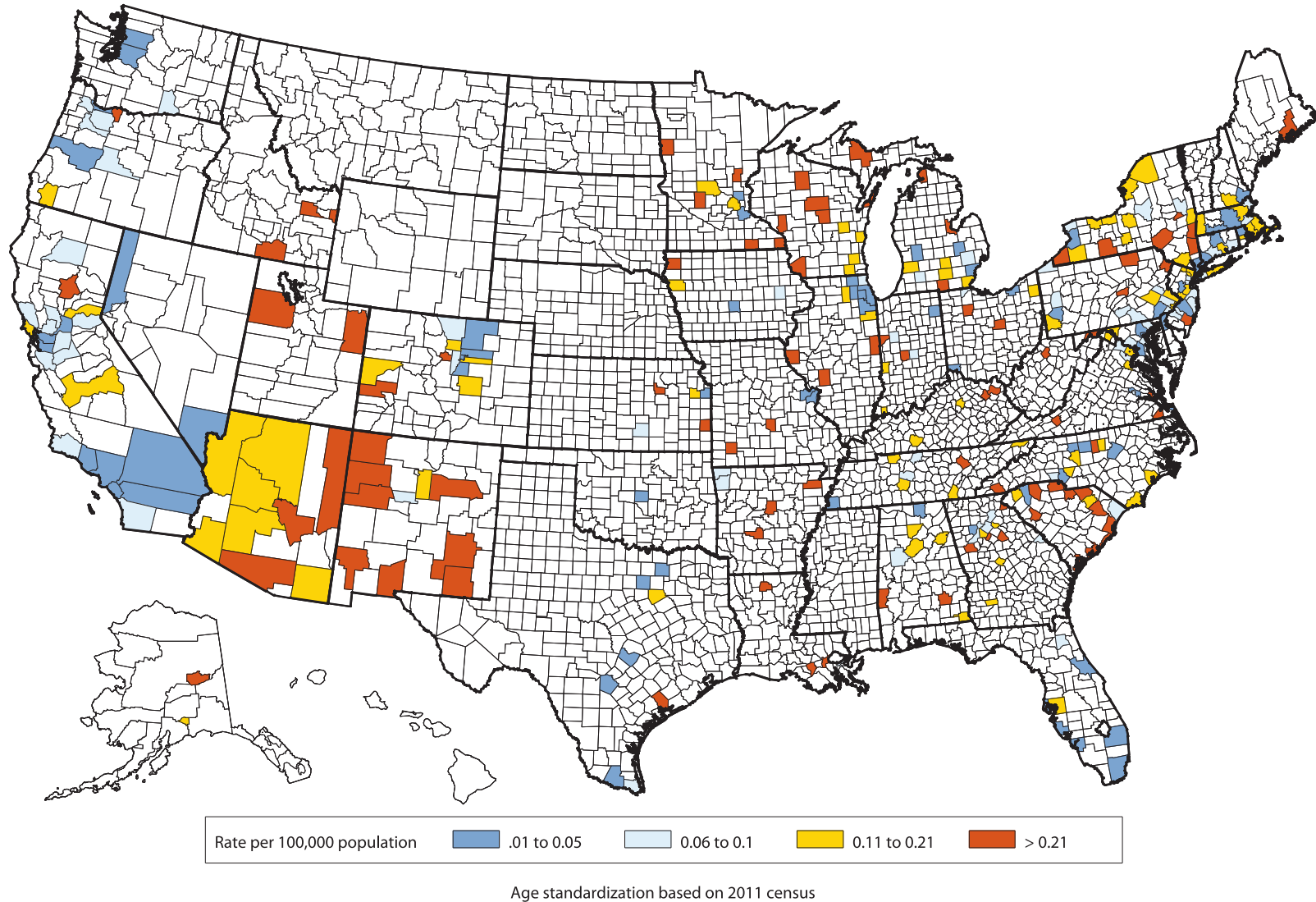
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Schwarzengrund

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

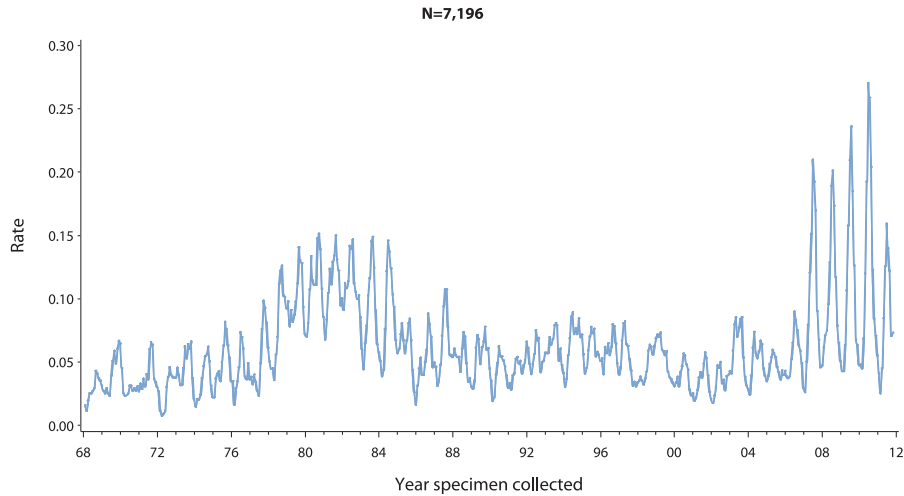


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

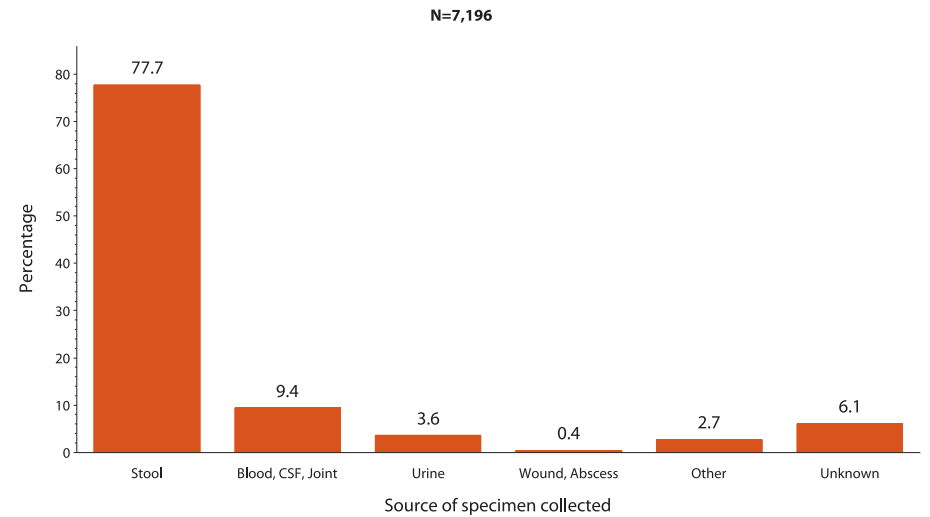


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

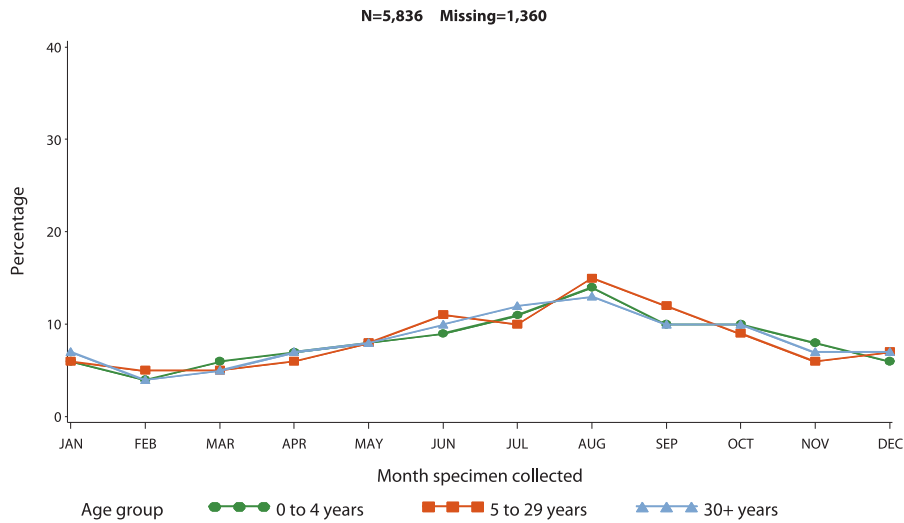
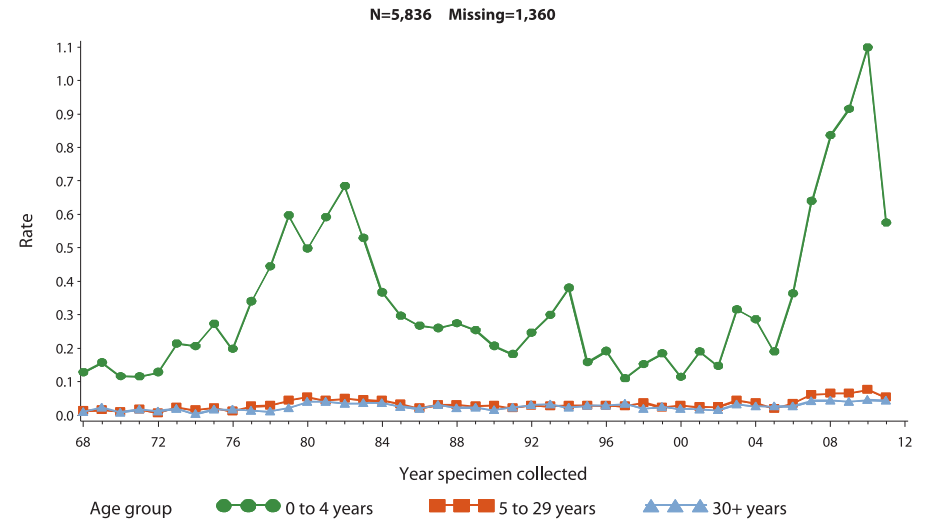


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Schwarzengrund

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=5,836 Missing=1,515

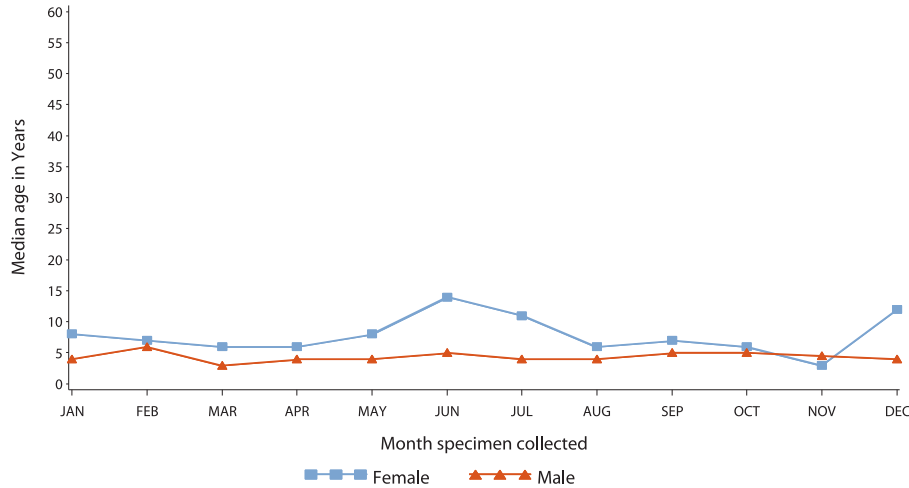


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=5,836 Missing=1,515

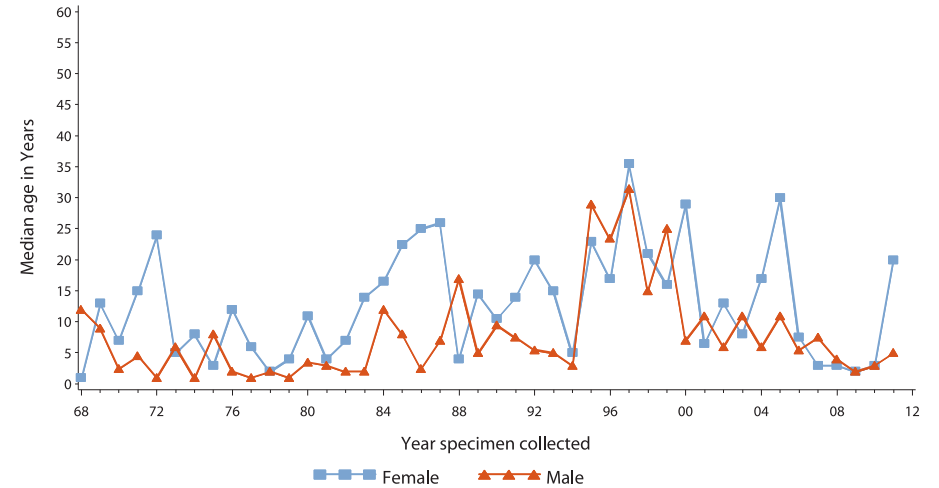


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=5,836 Missing=1,515

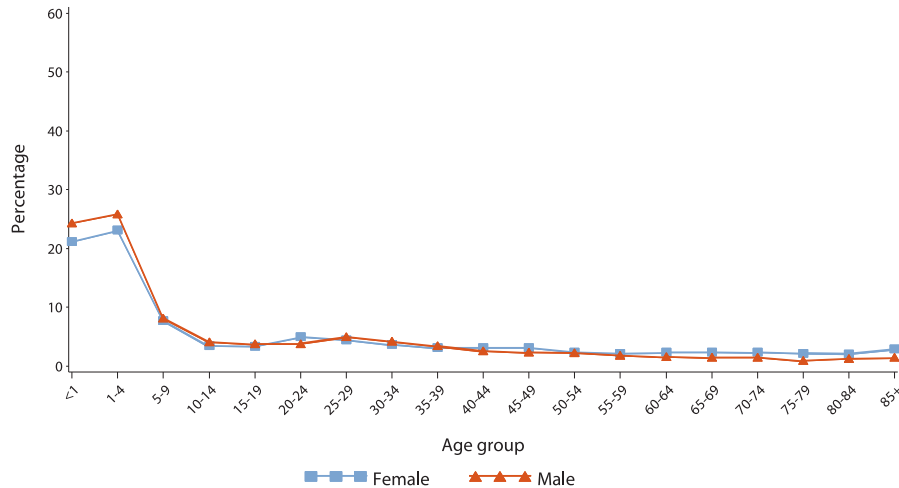


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=6,104

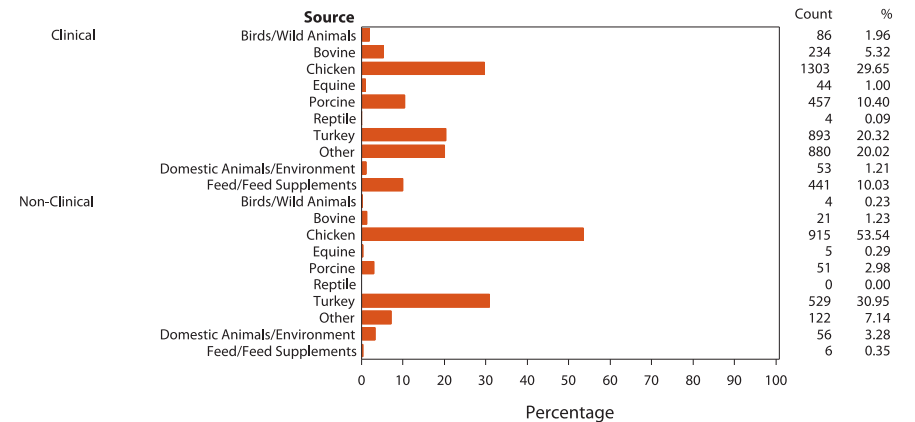
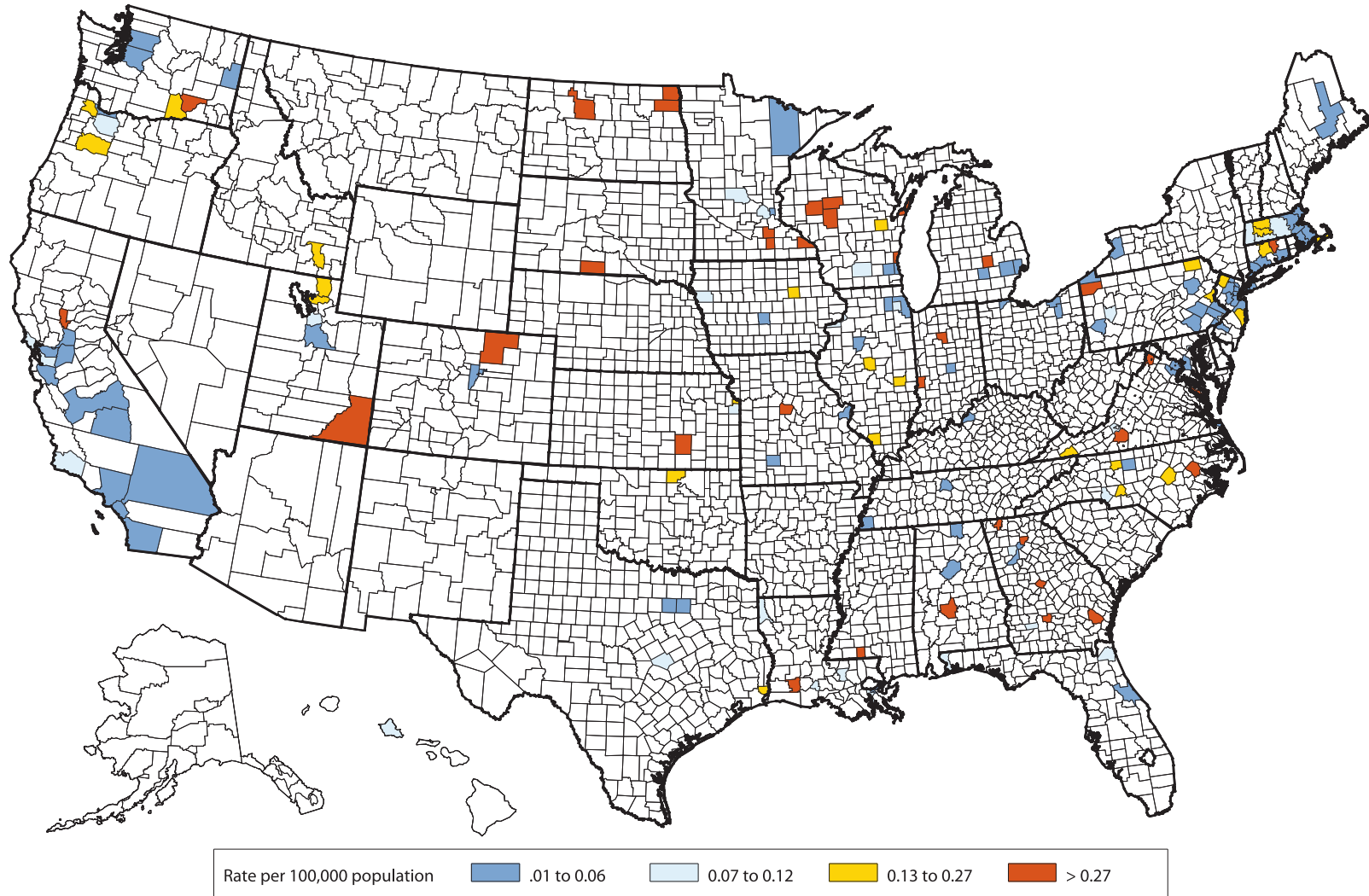


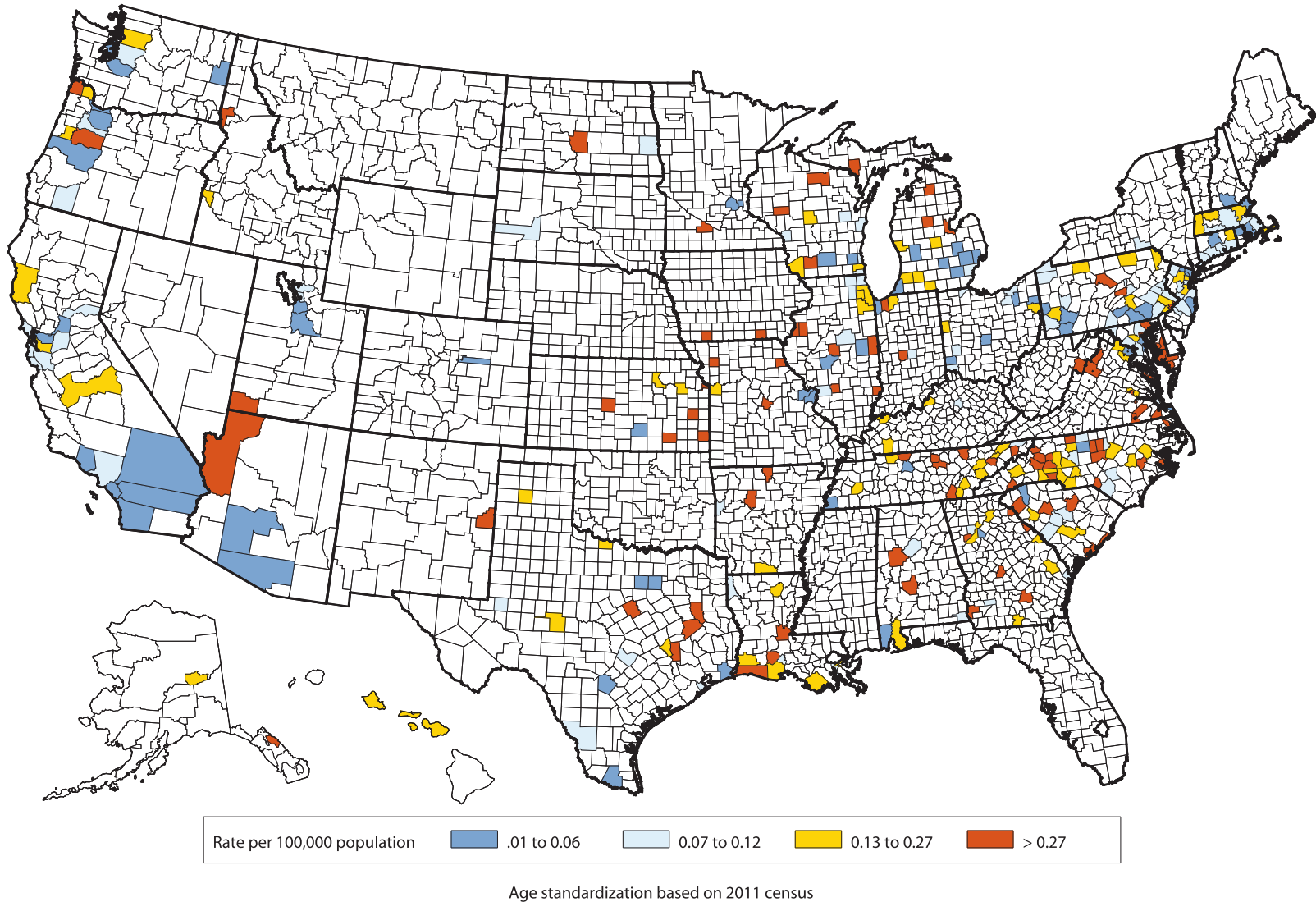
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

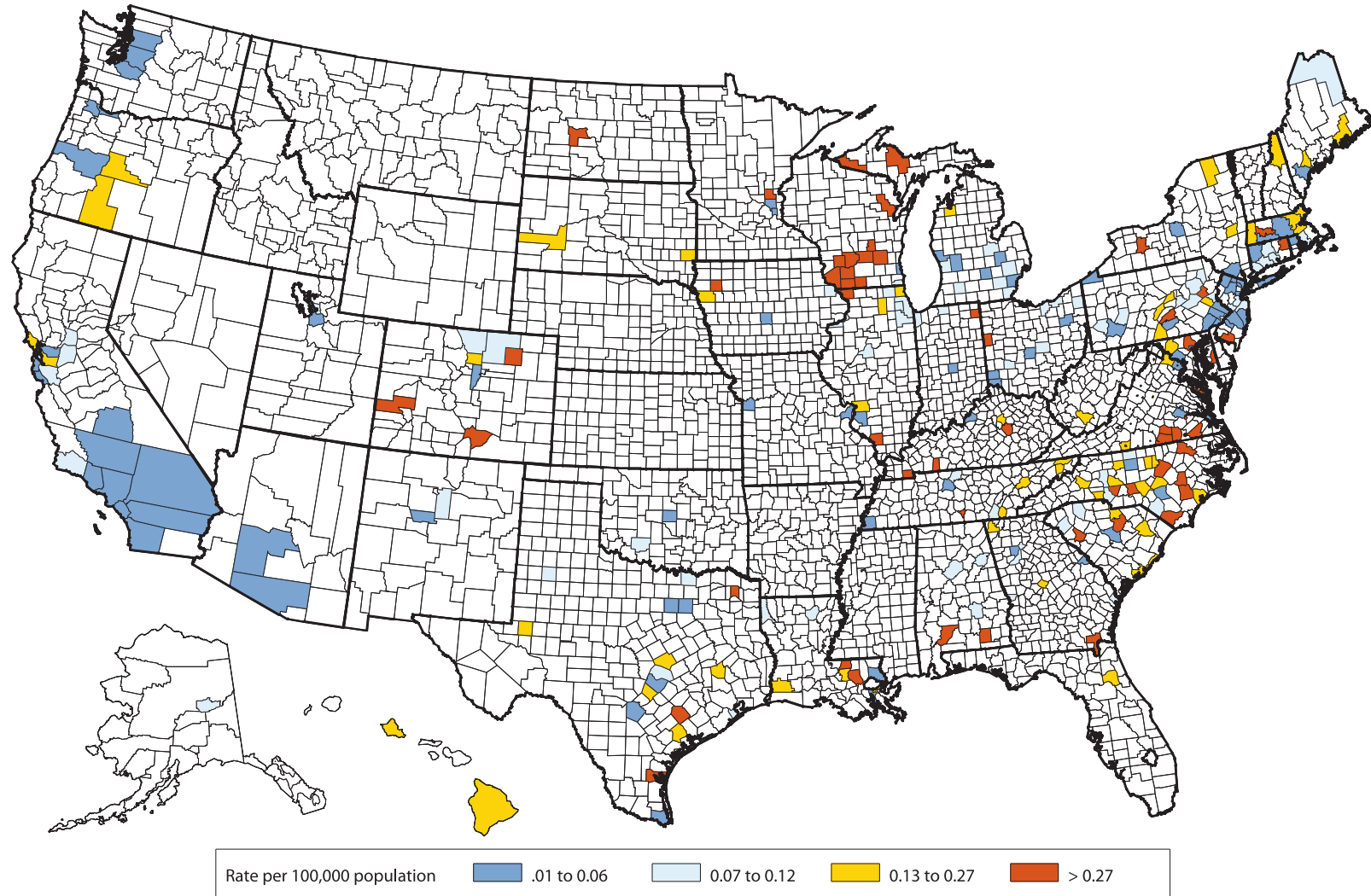
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



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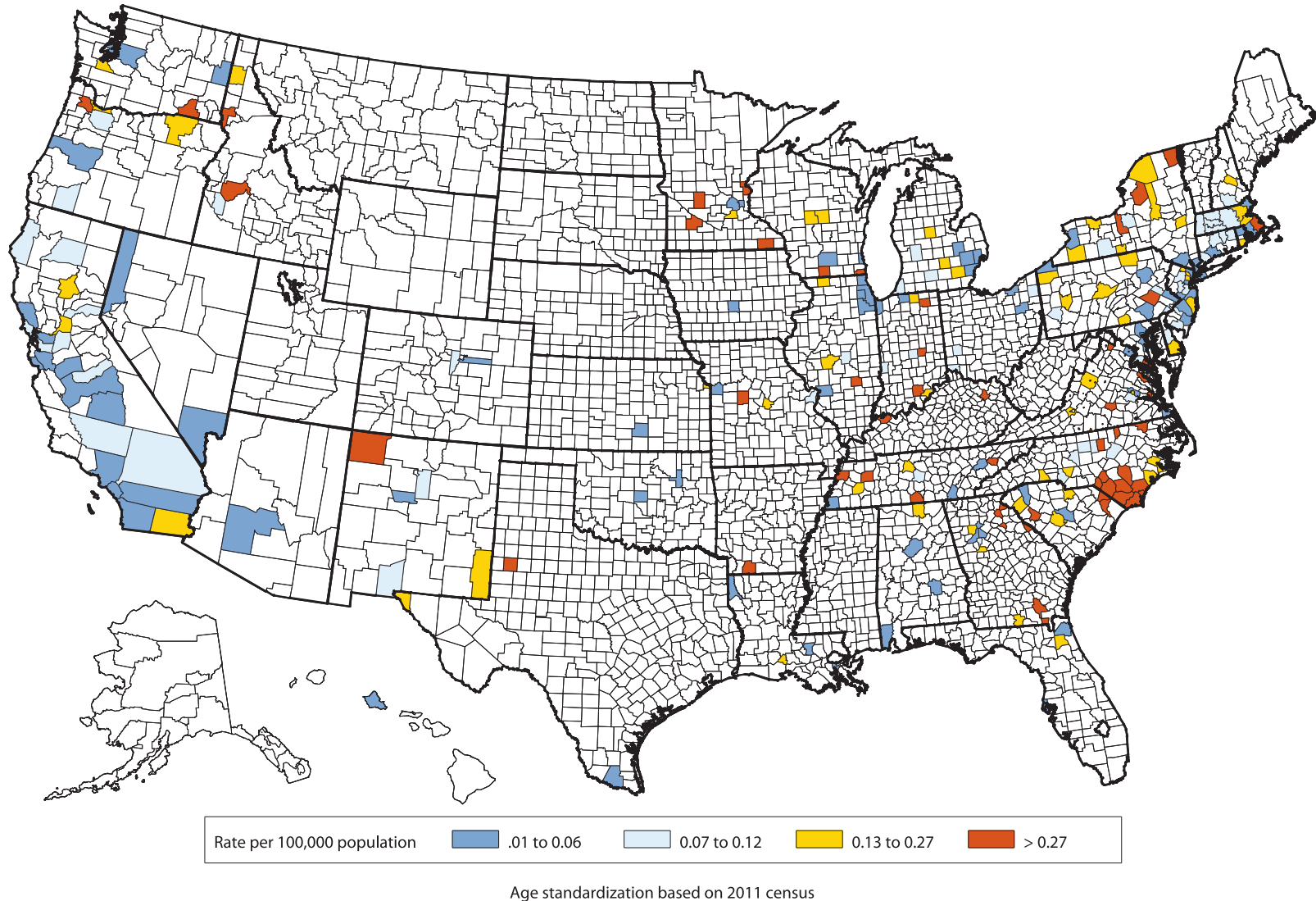
Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Age standardization based on 2011 census

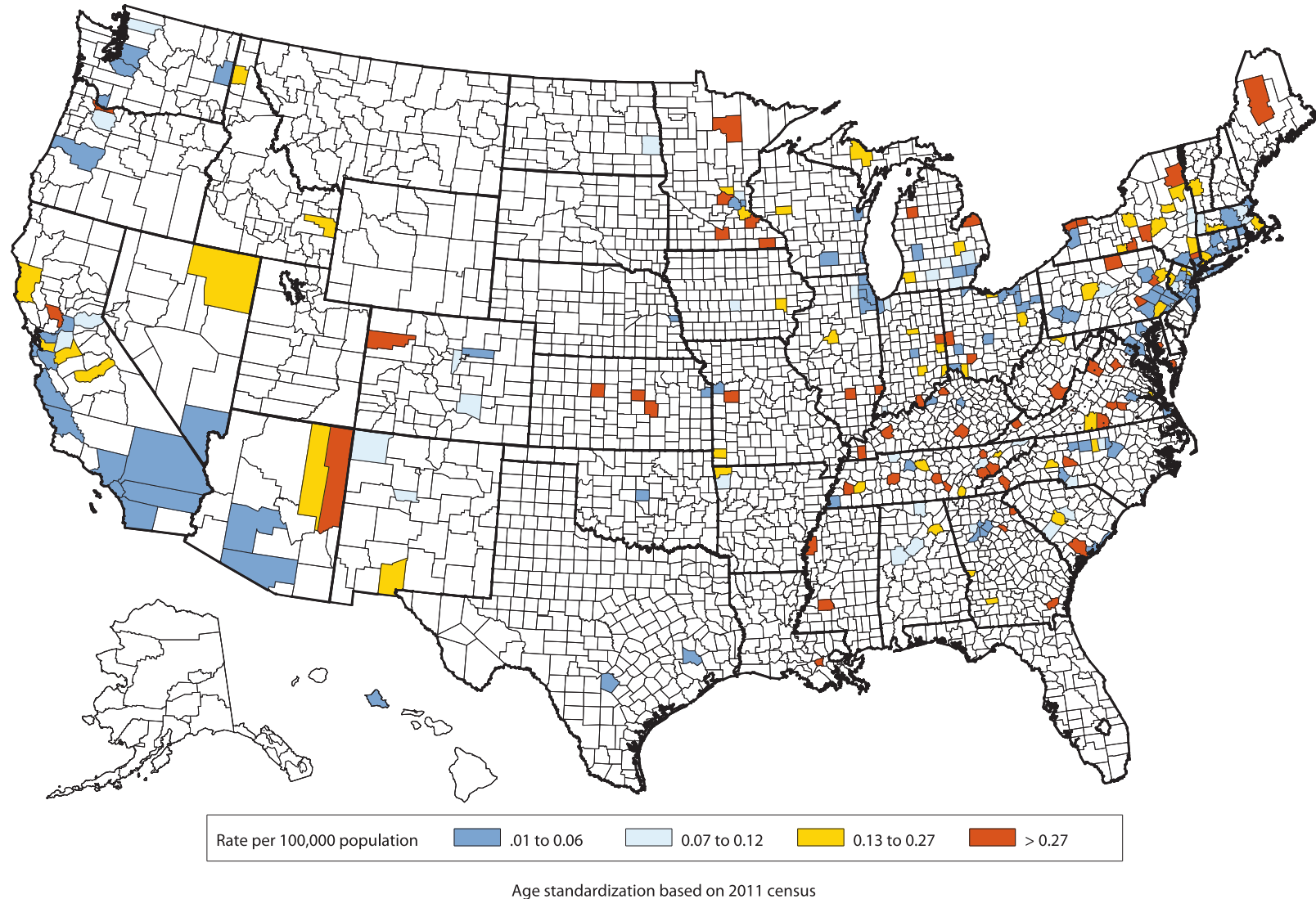
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



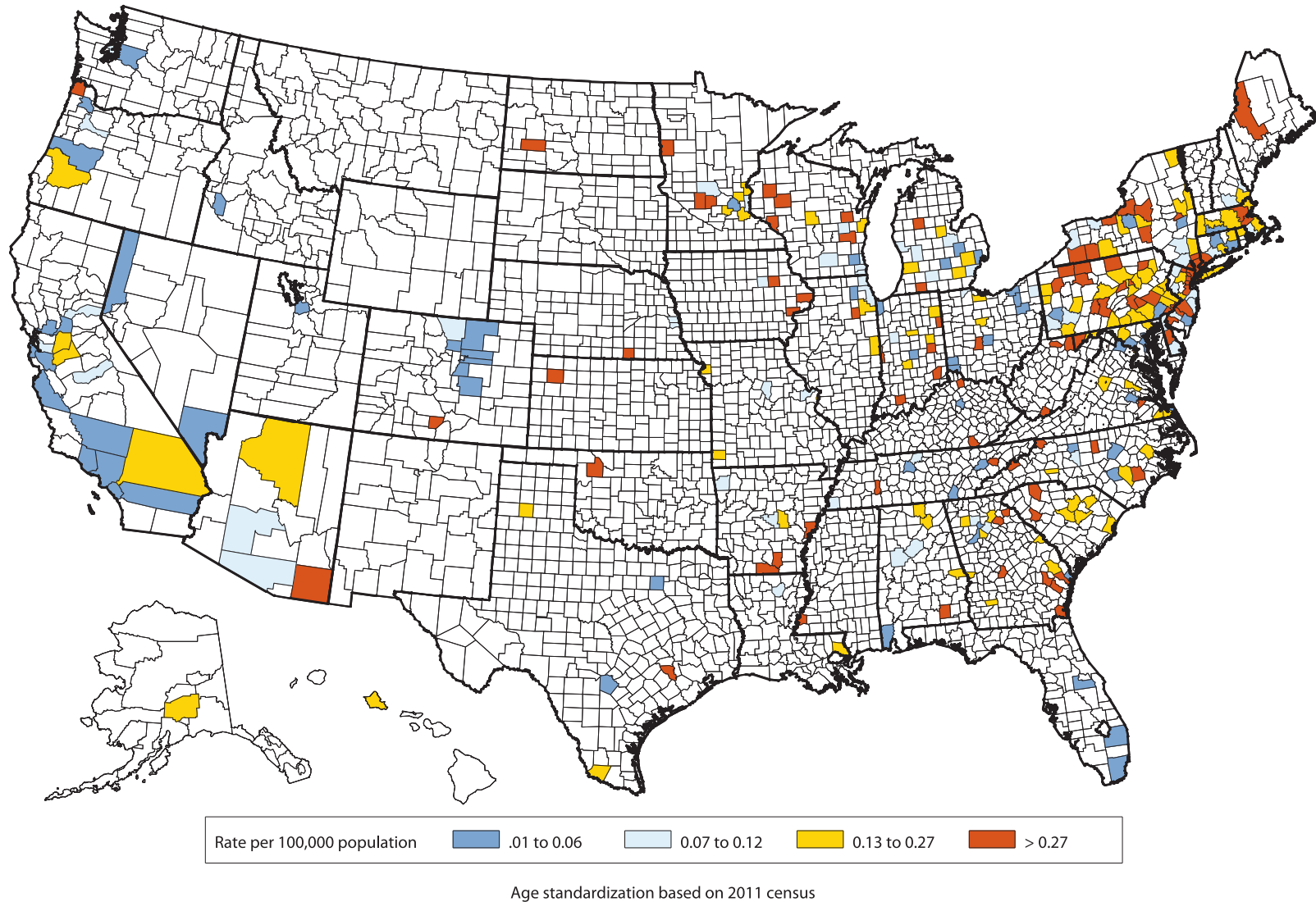
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Senftenberg

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

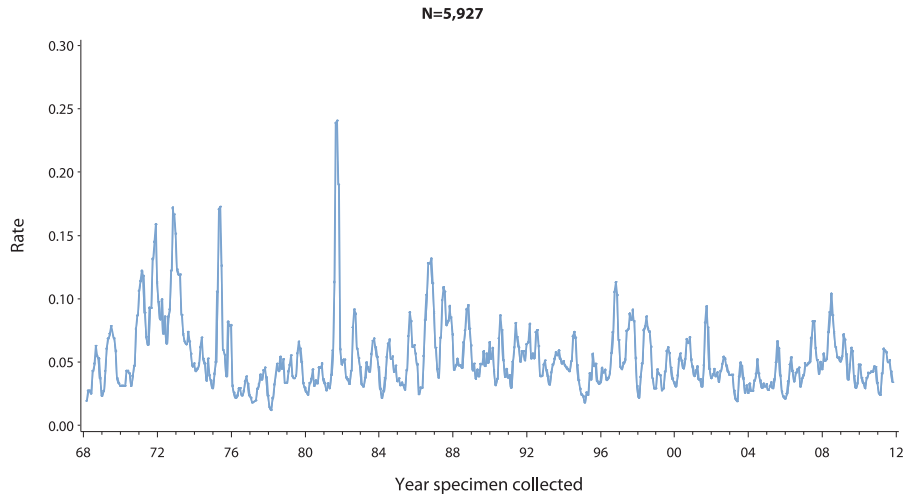


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

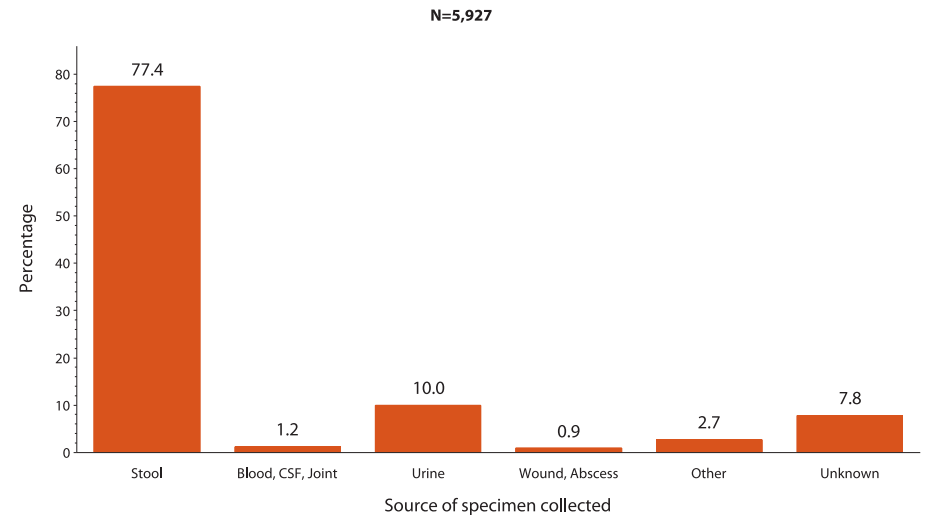


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

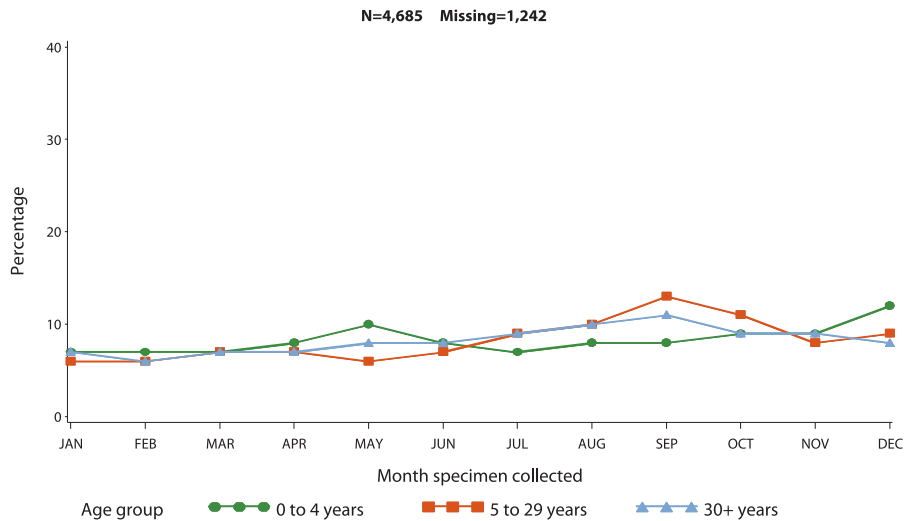
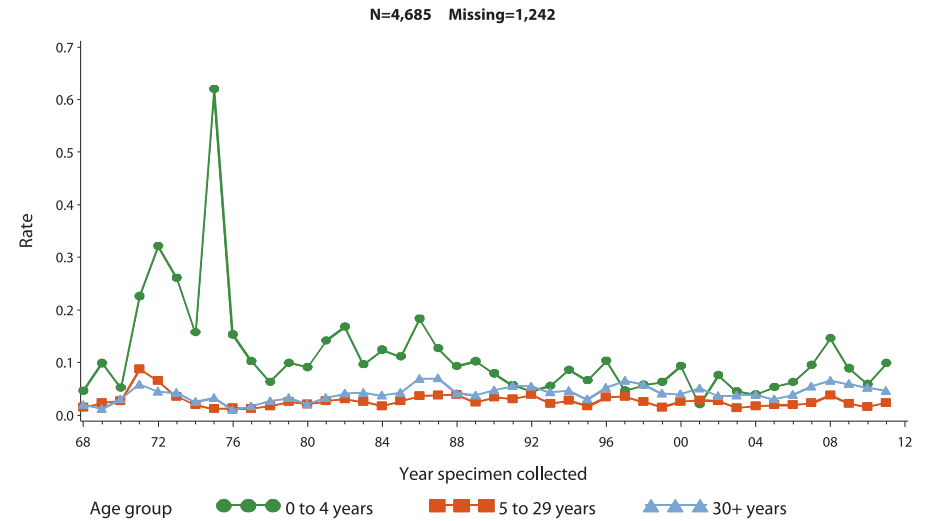


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Senftenberg

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=4,685 Missing=1,356

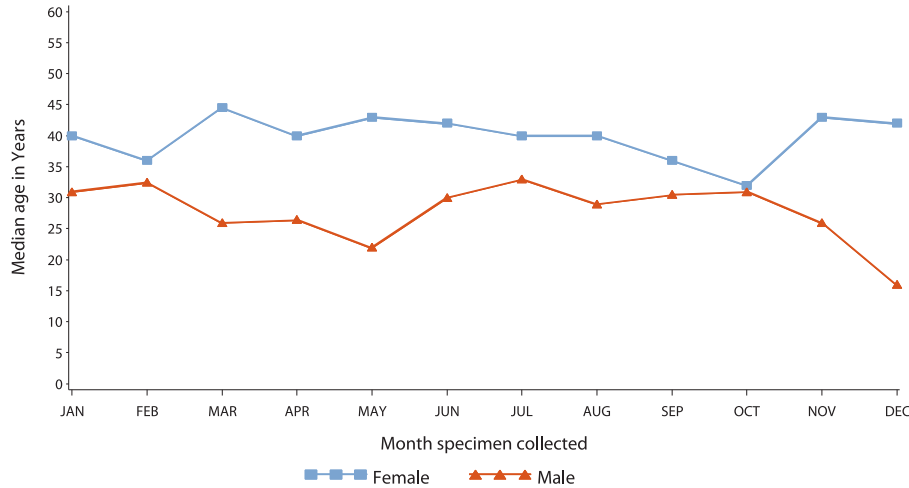


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=4,685 Missing=1,356

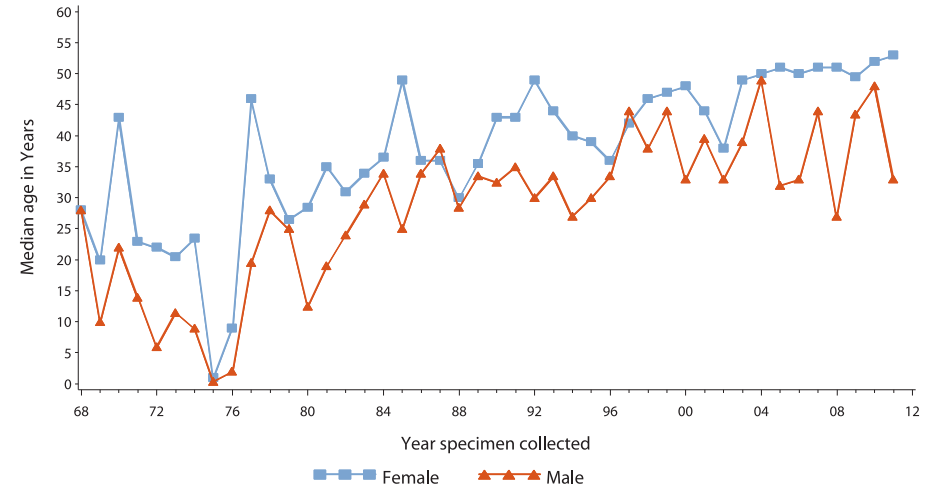


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=4,685 Missing=1,356

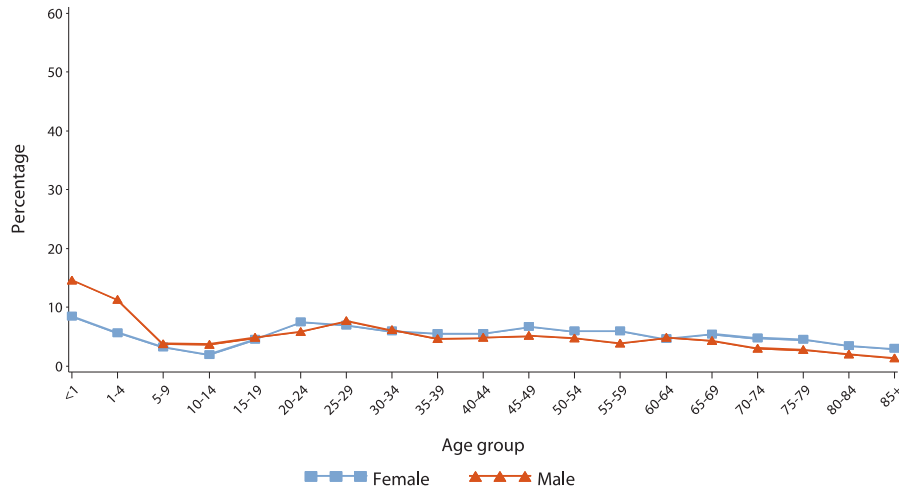


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=18,583

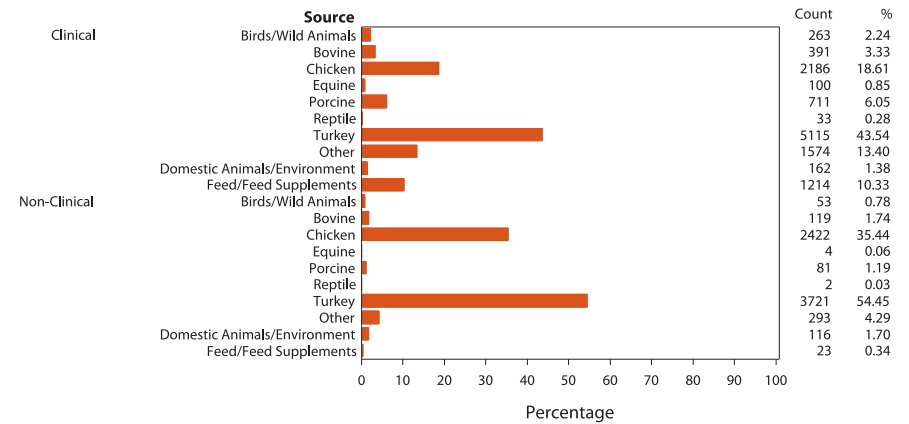
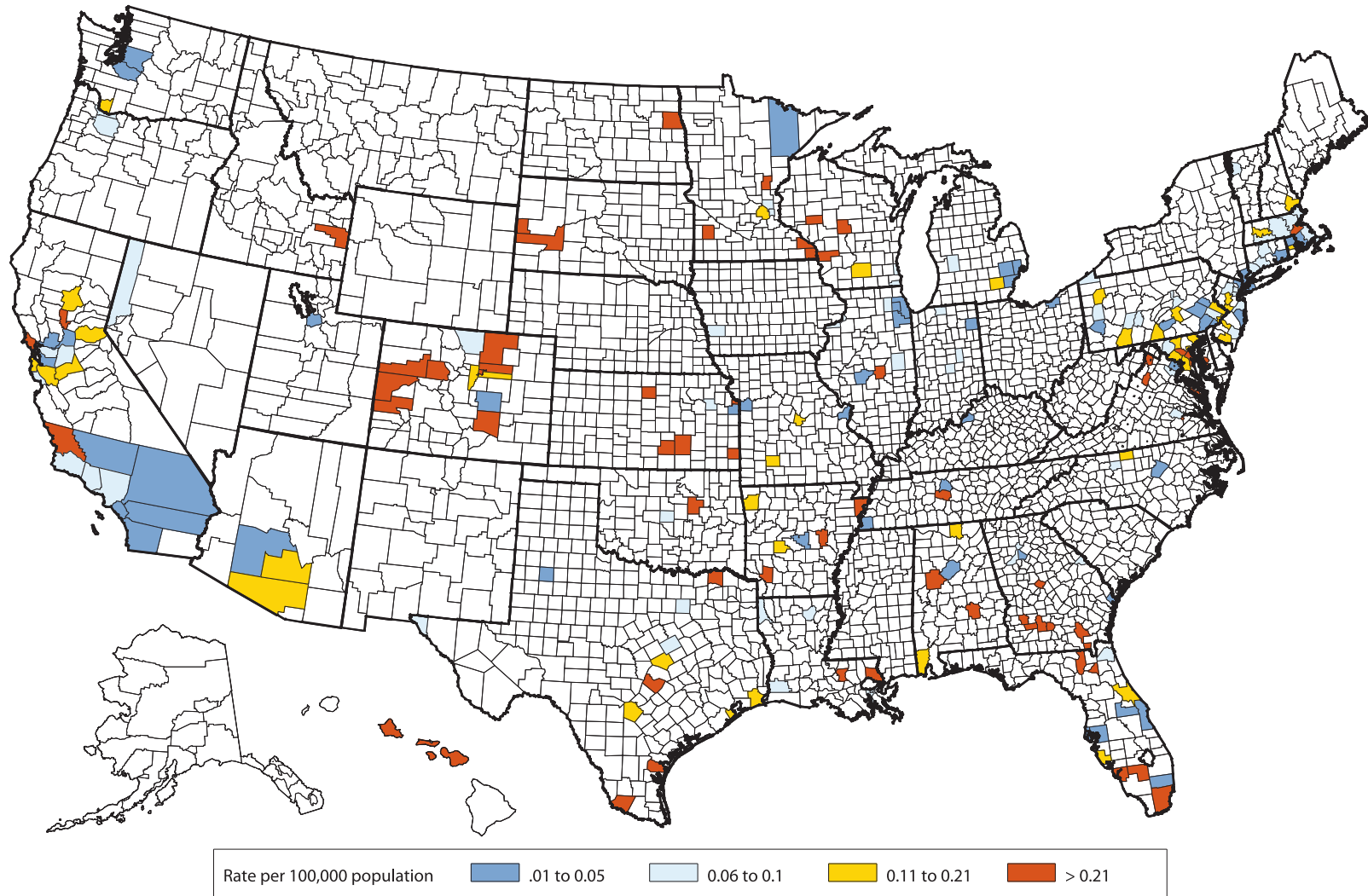


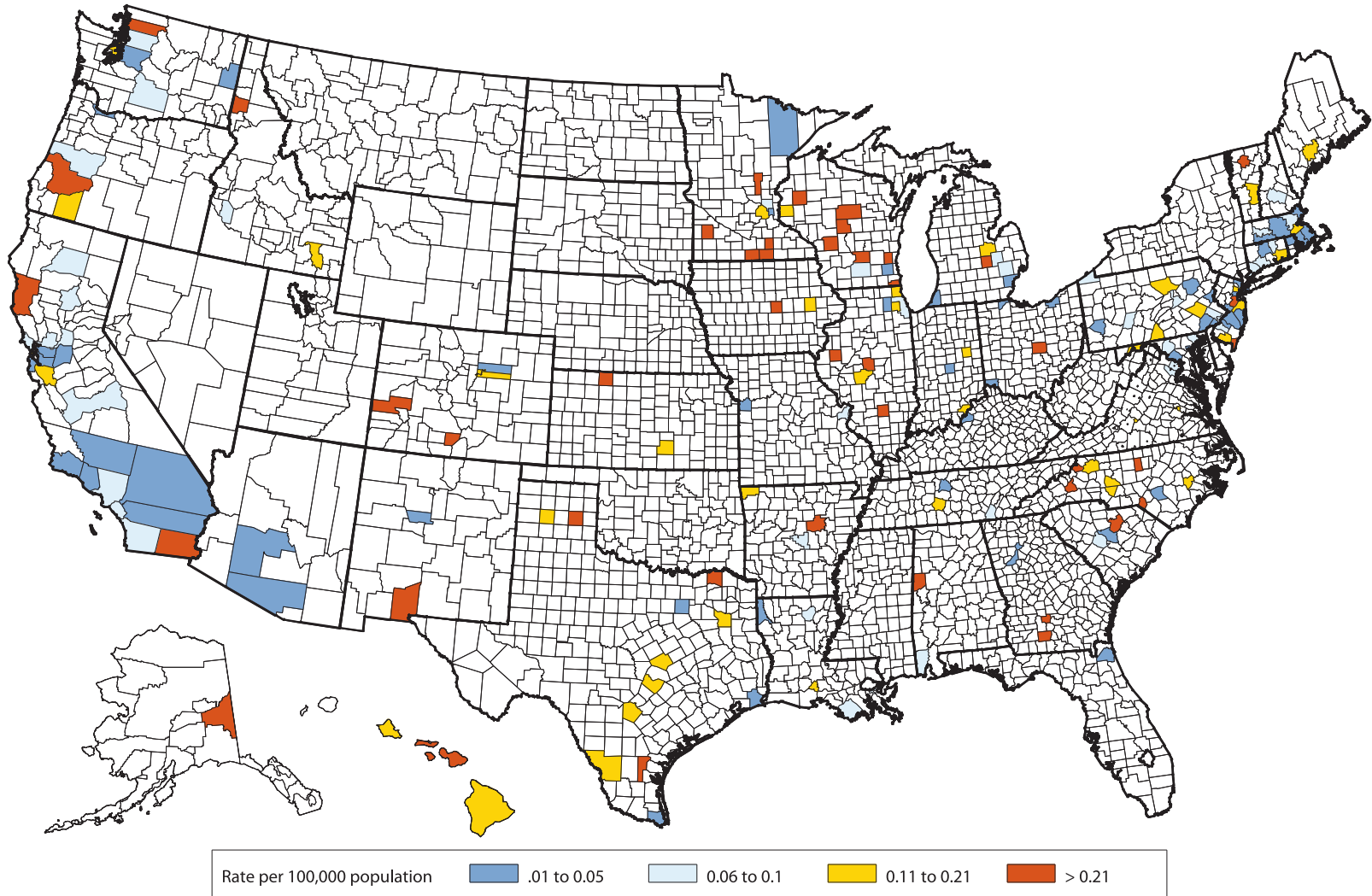
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

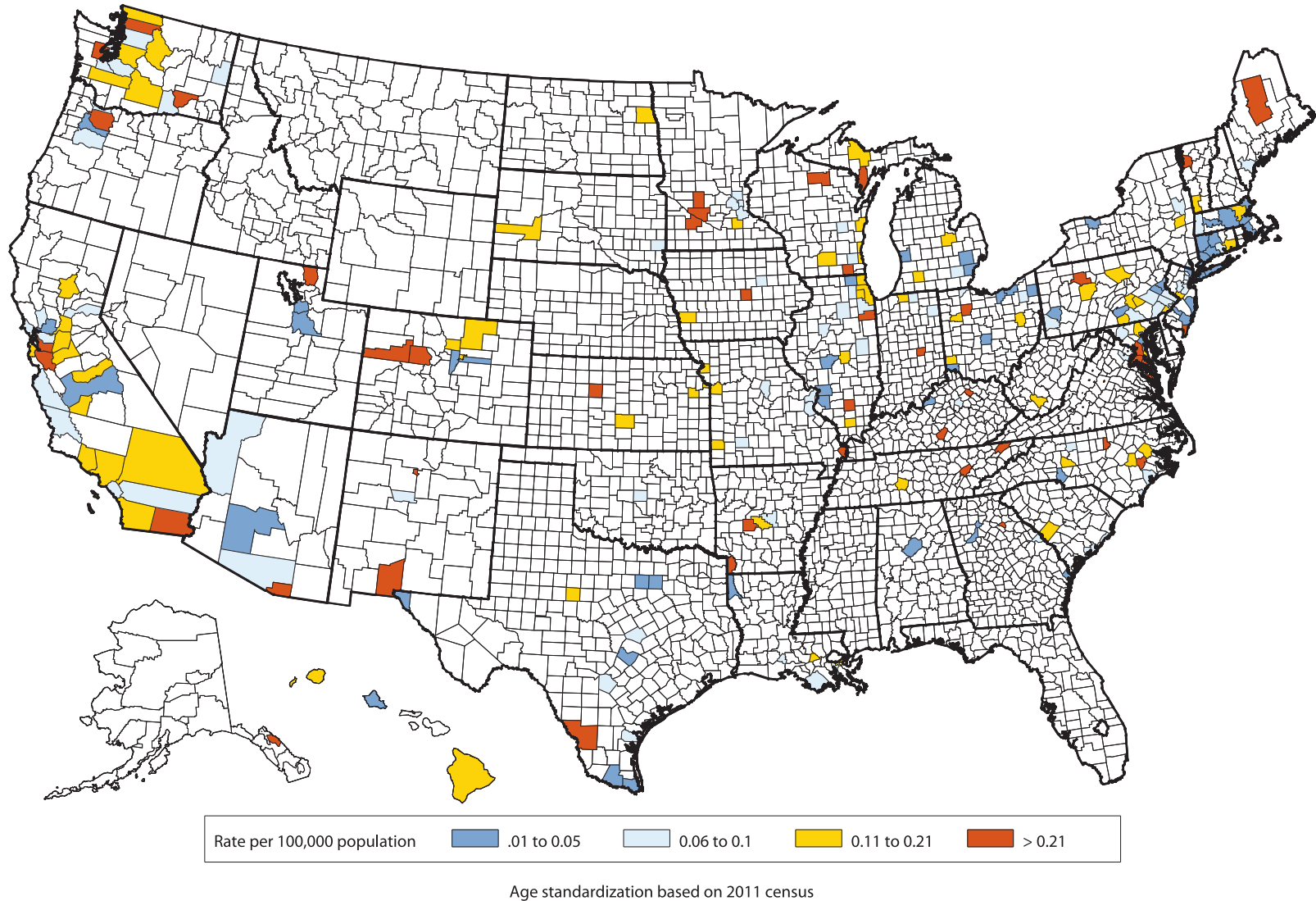
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

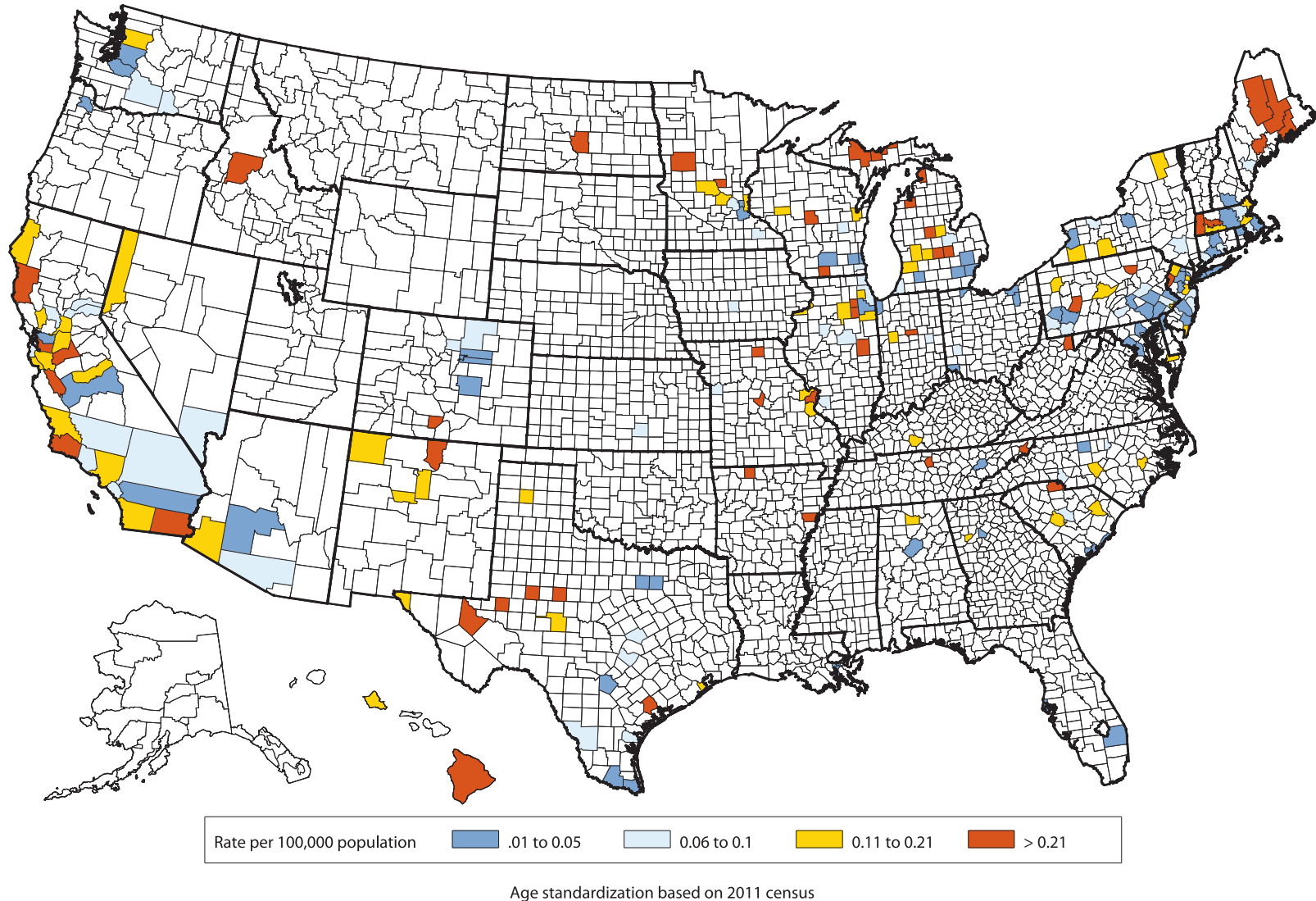
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



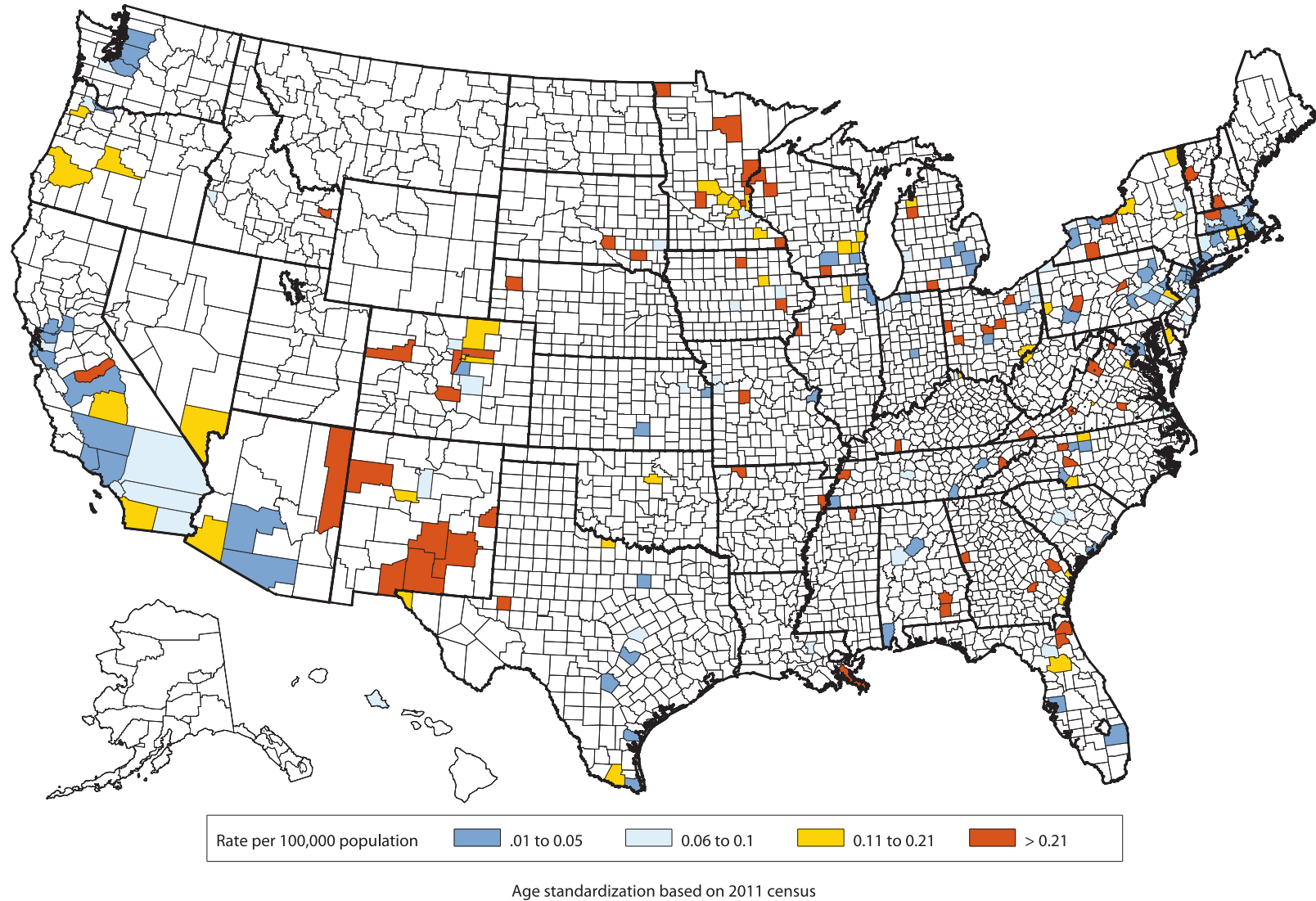
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



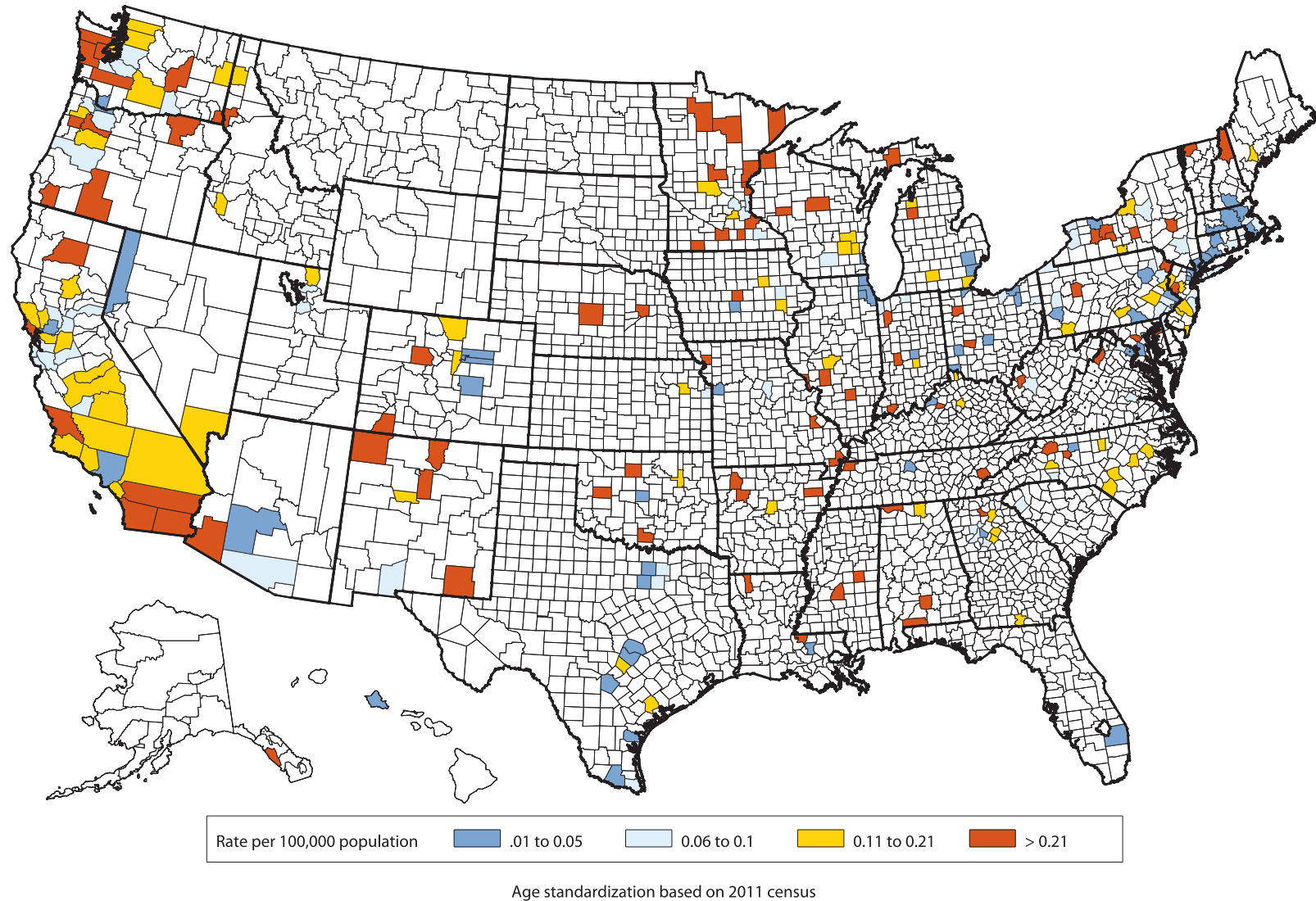
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Stanley

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

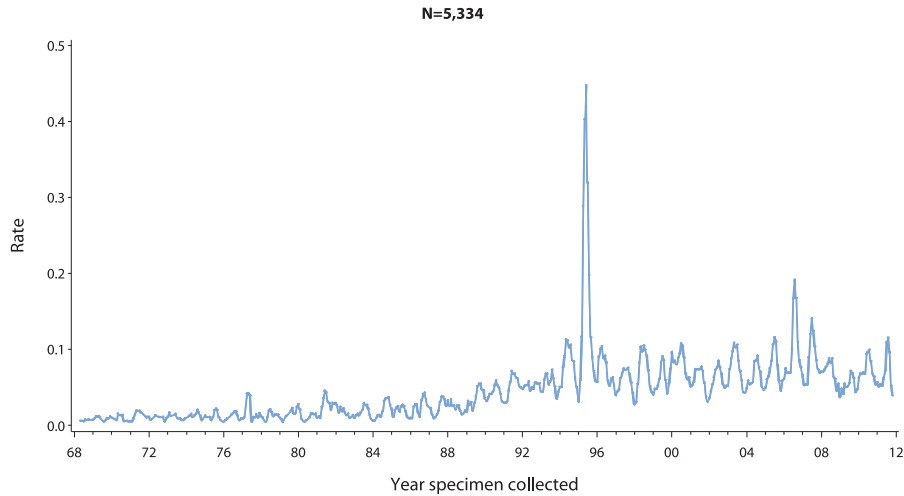


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

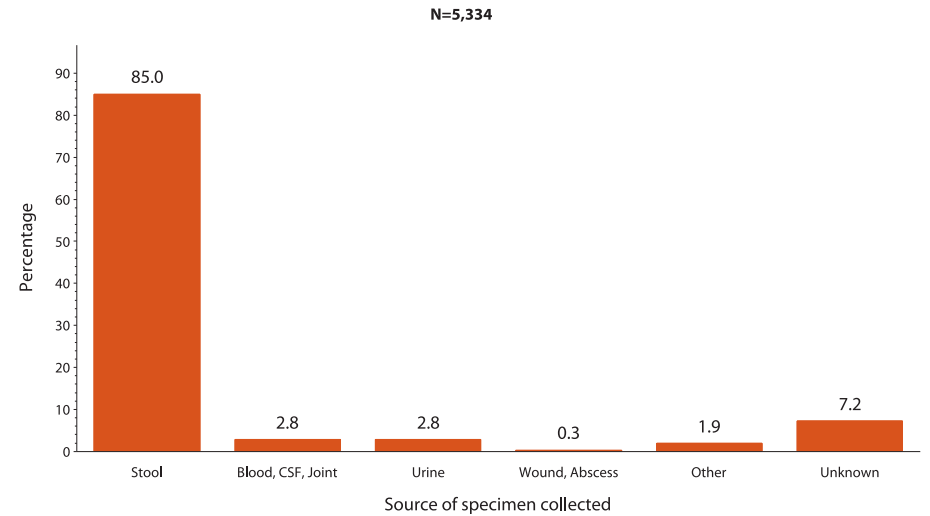


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

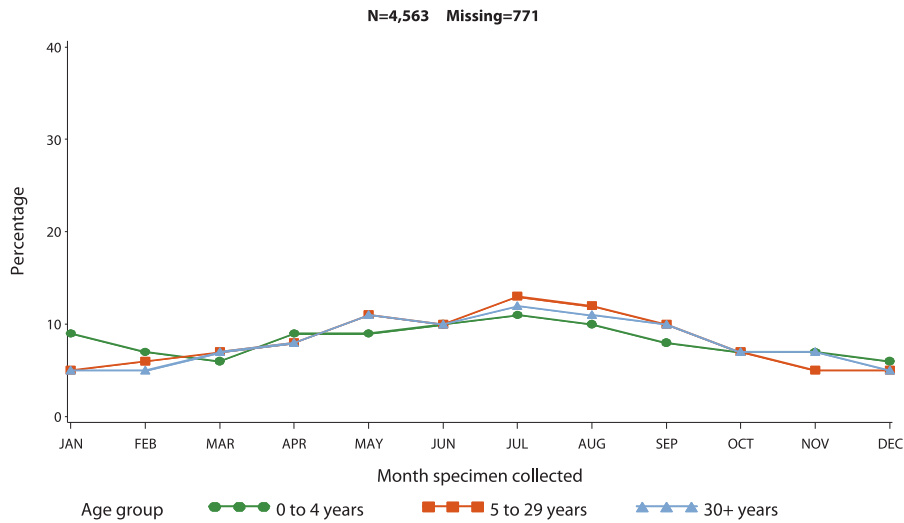
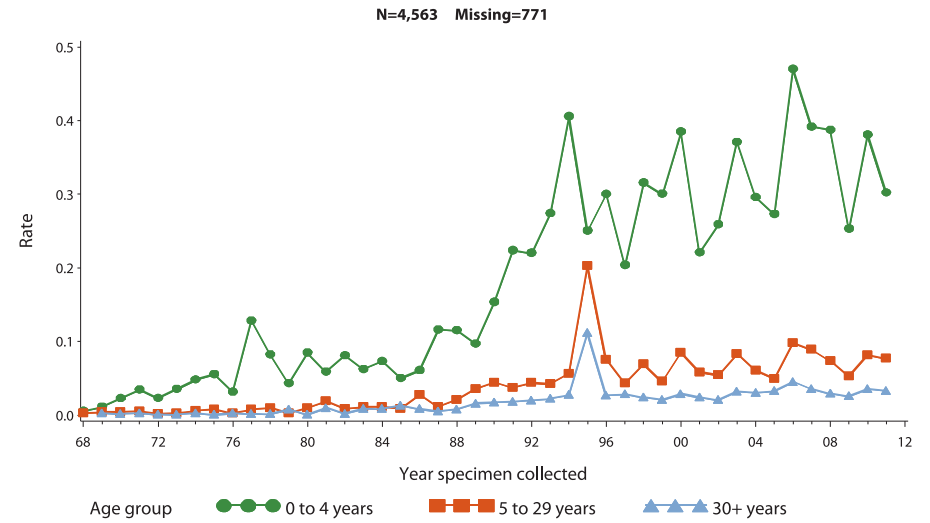


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Stanley

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=4,563 Missing=971

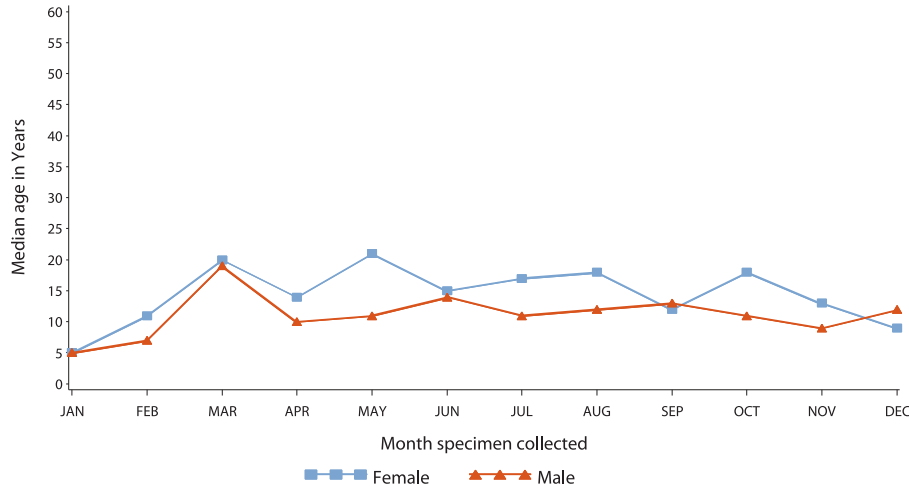


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=4,563 Missing=971

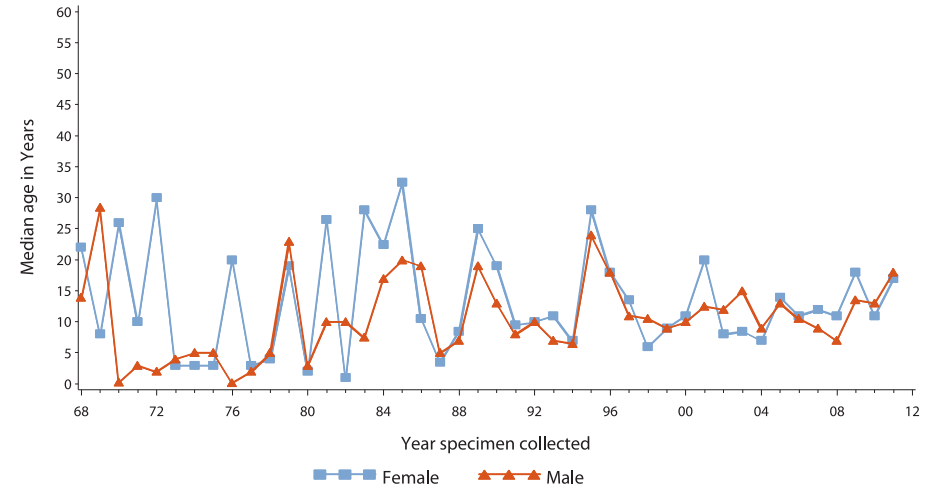


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=4,563 Missing=971

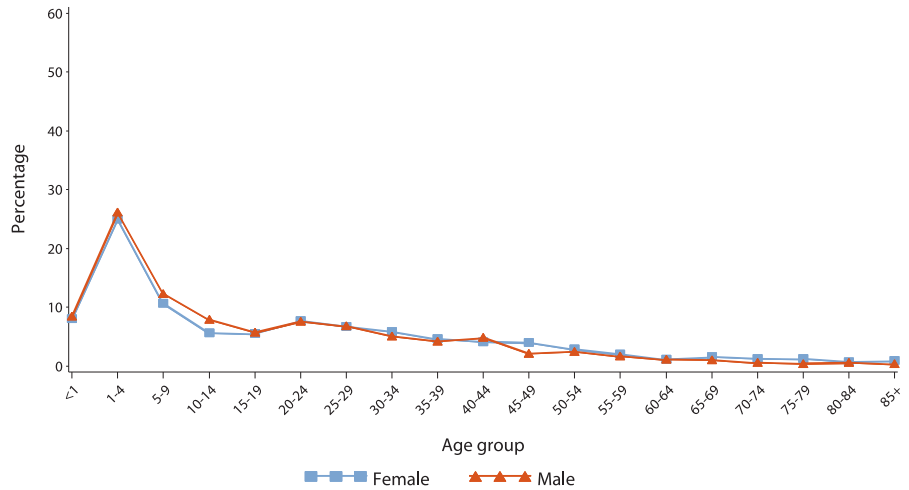


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=81

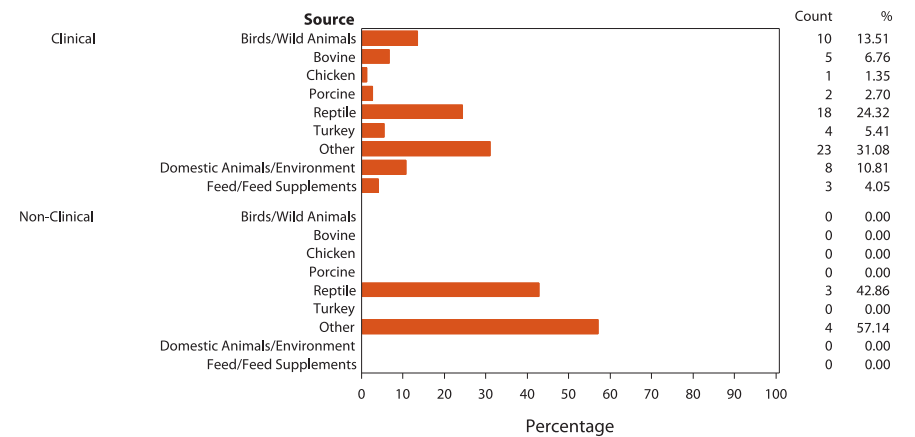
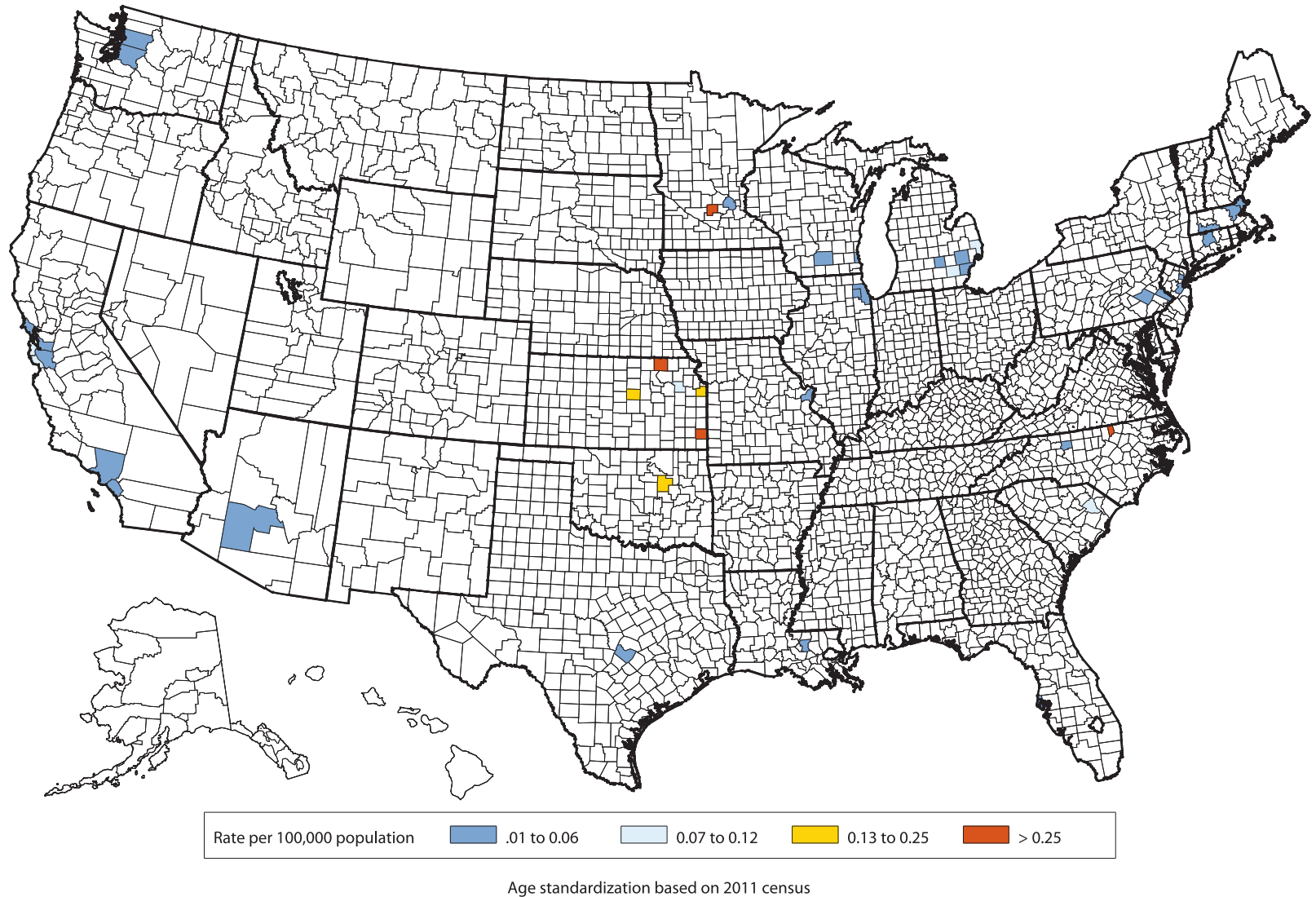
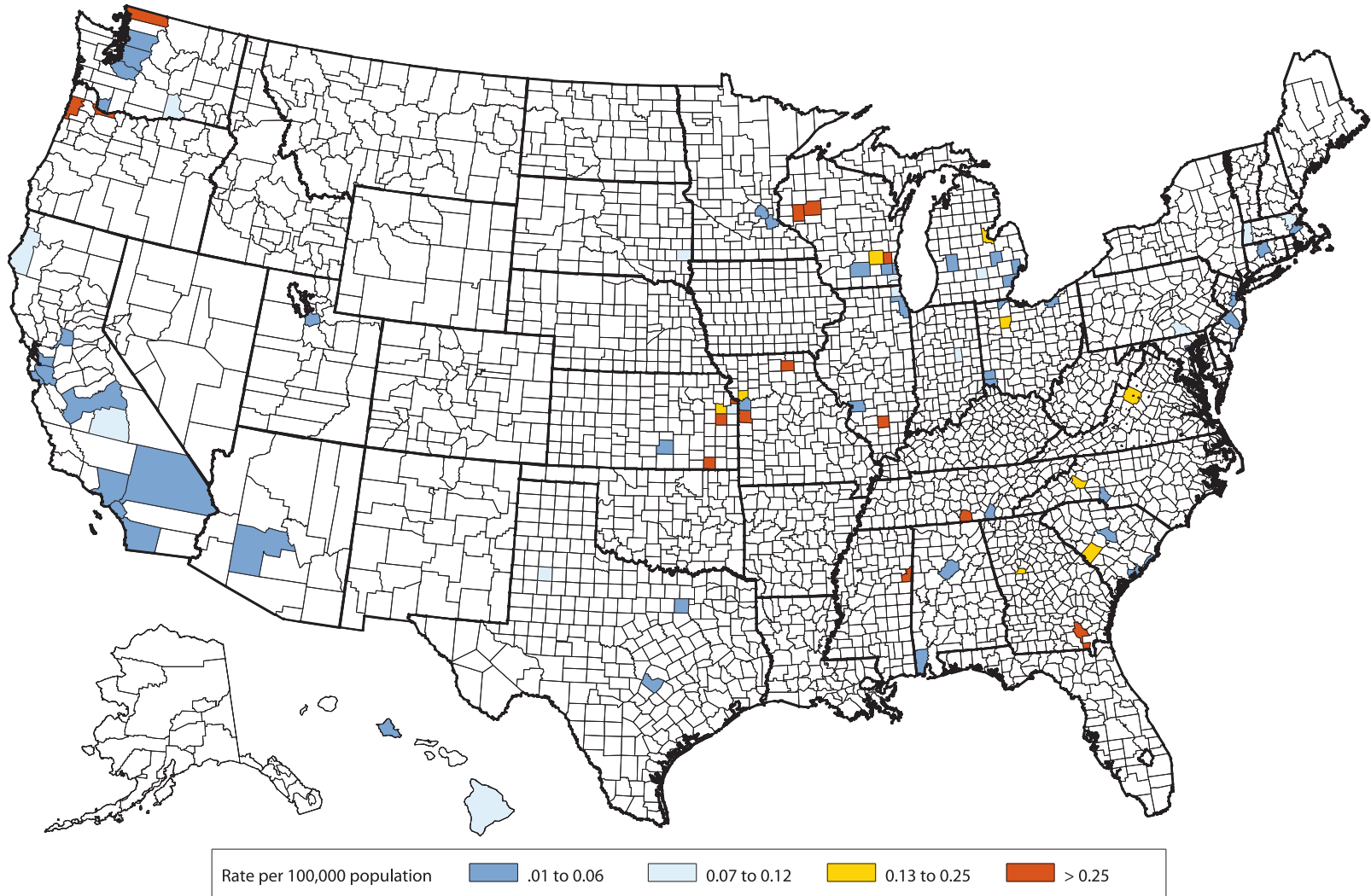


Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

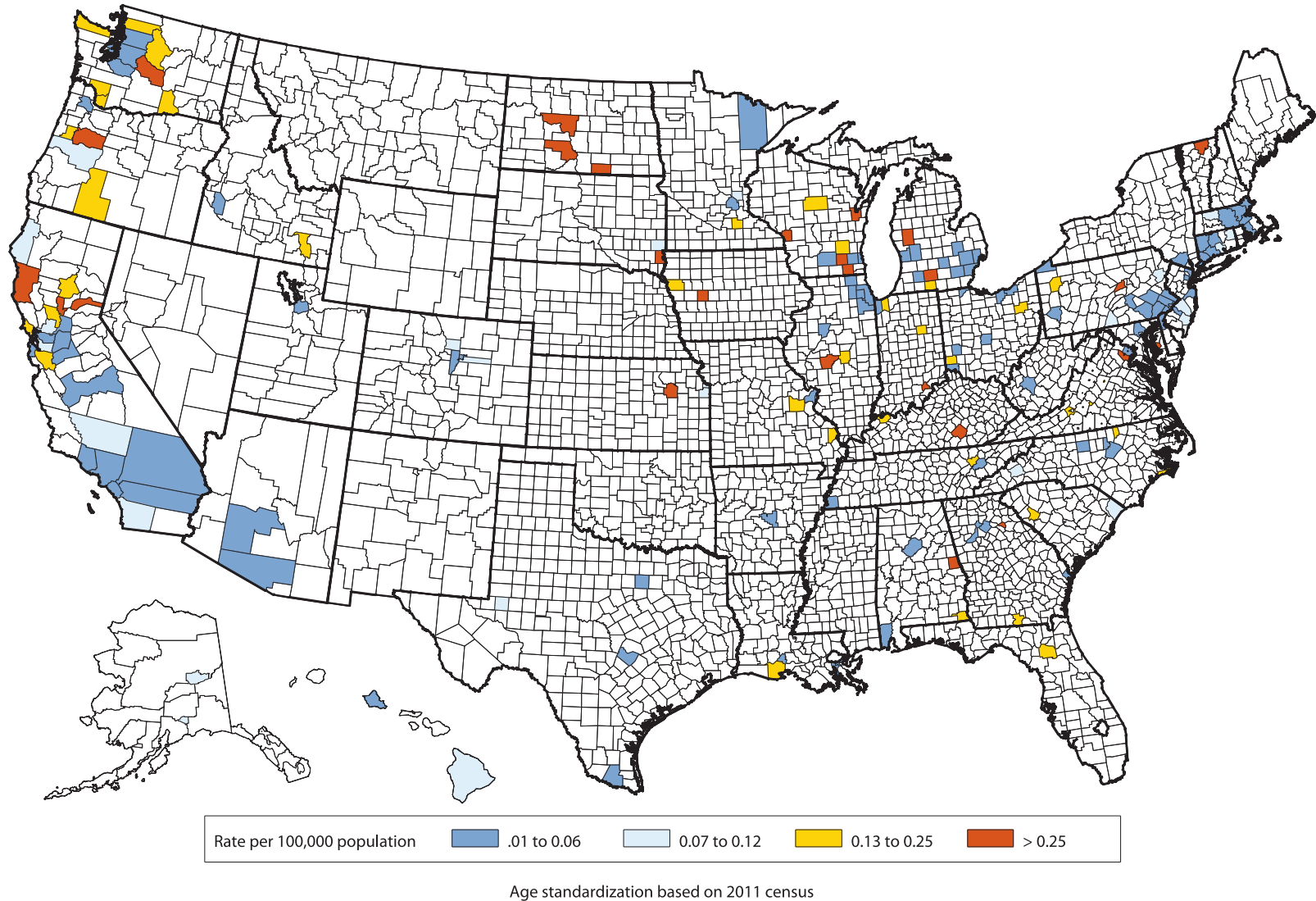
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

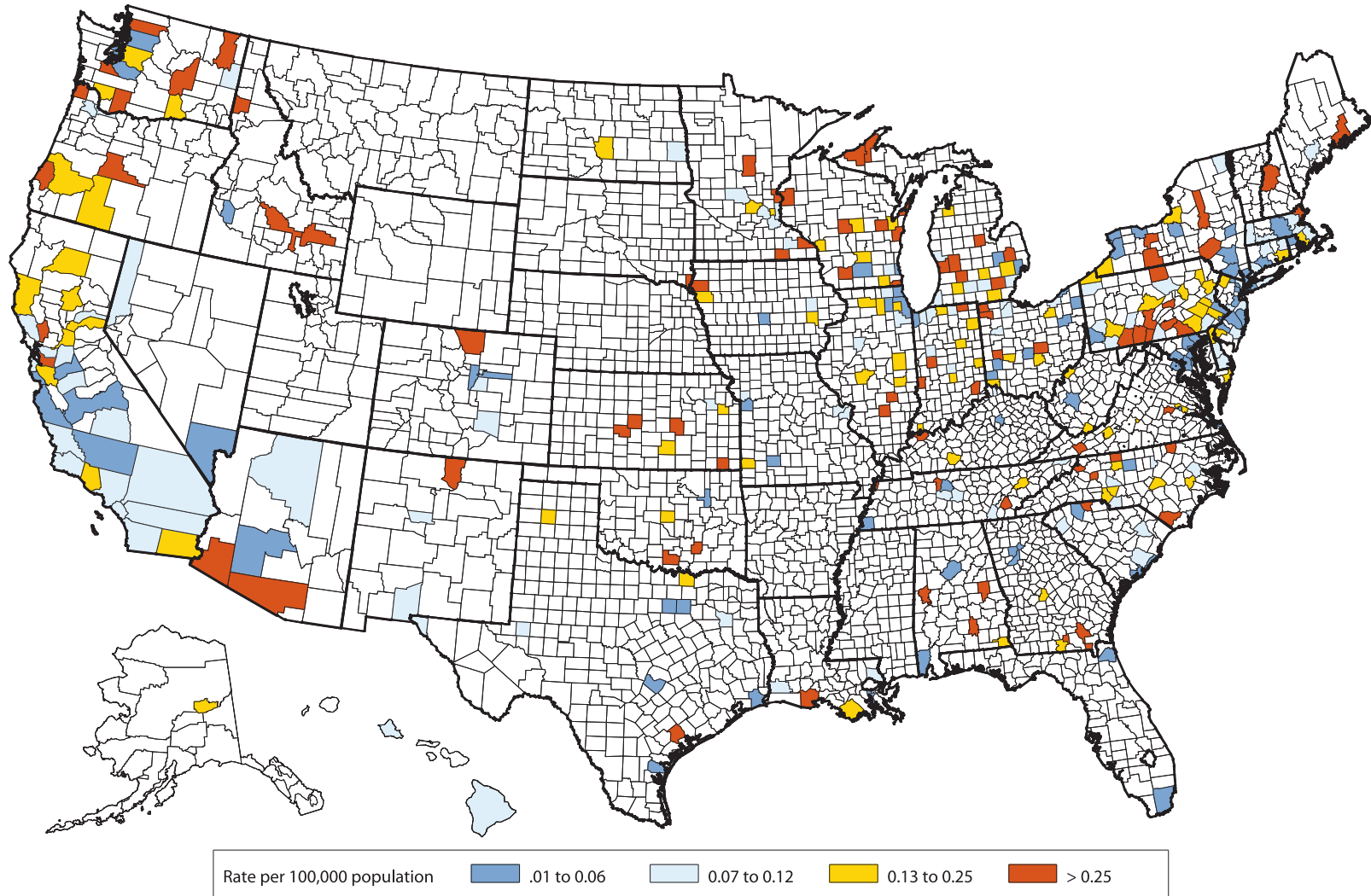
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



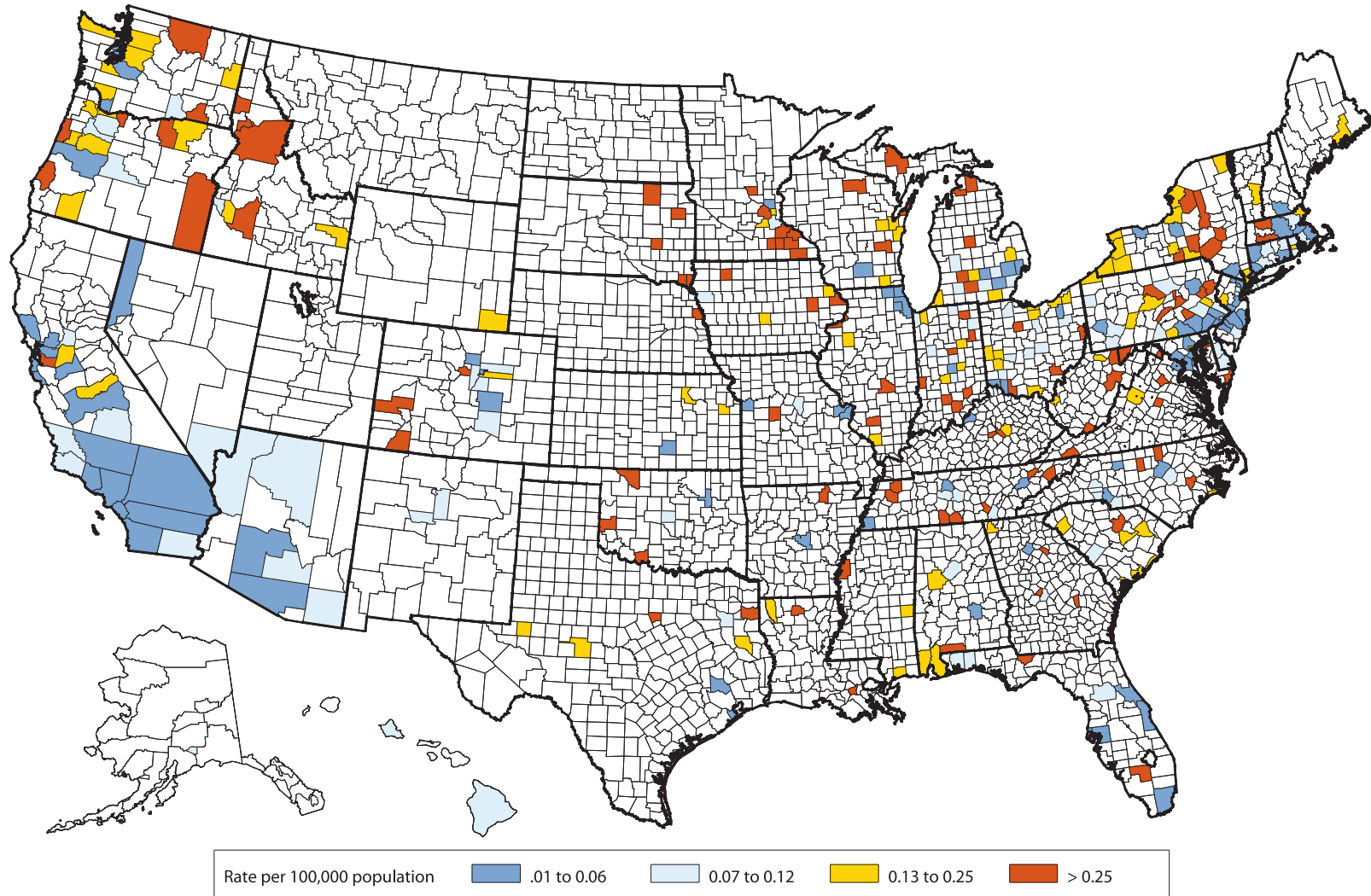
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

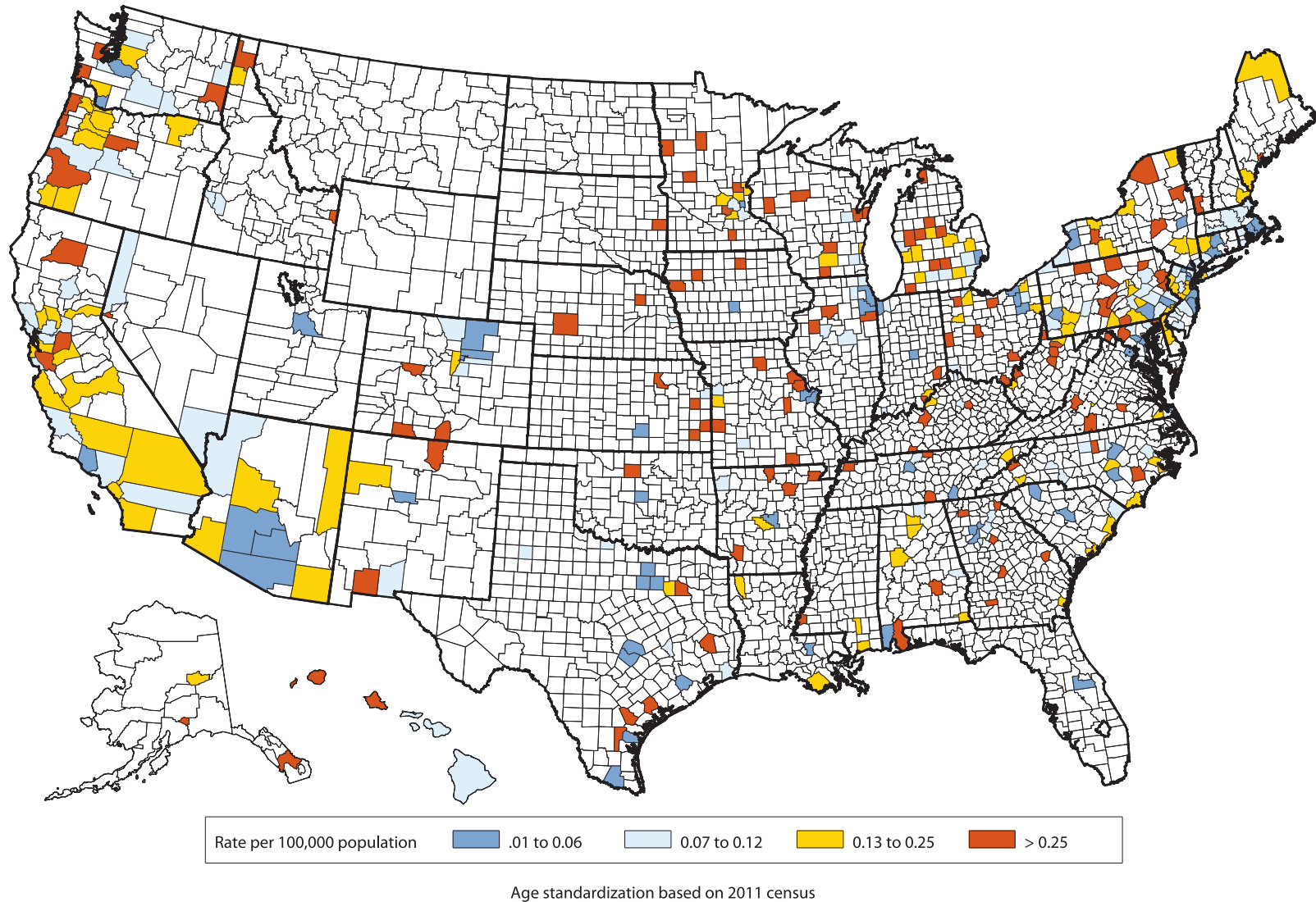
Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Thompson

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

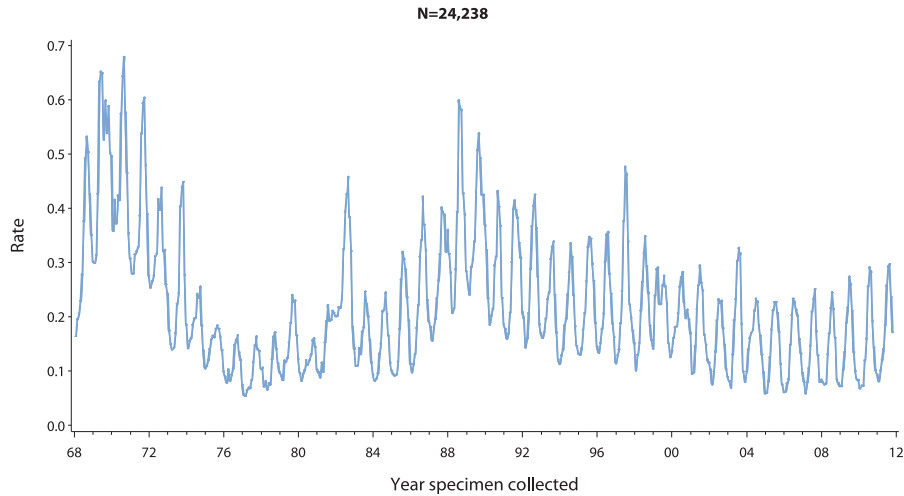


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

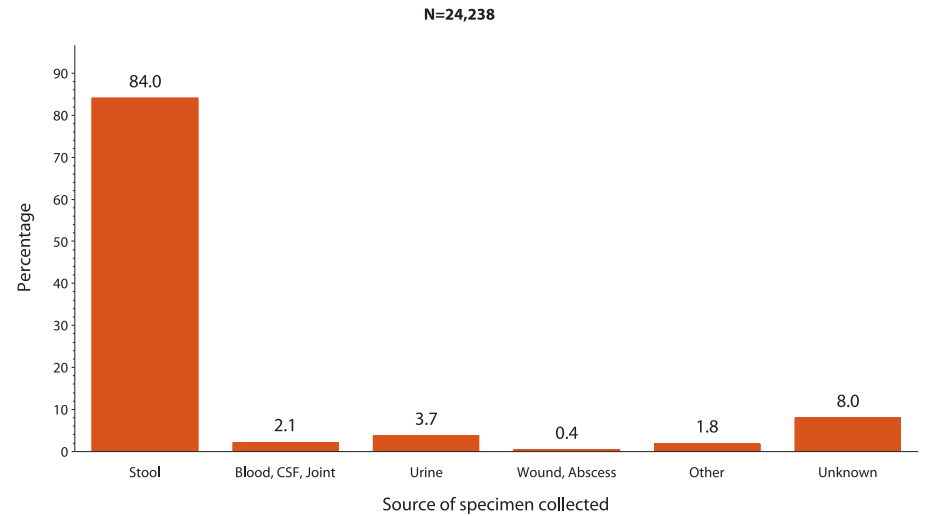


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

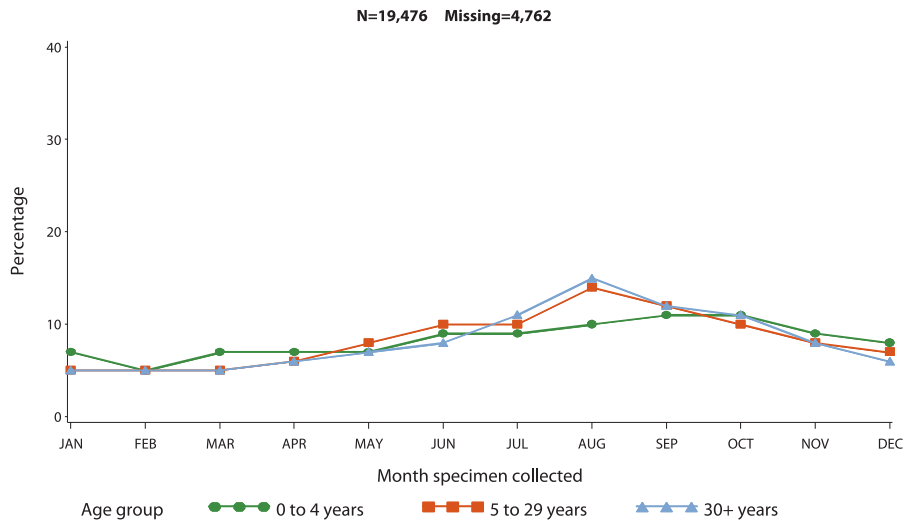
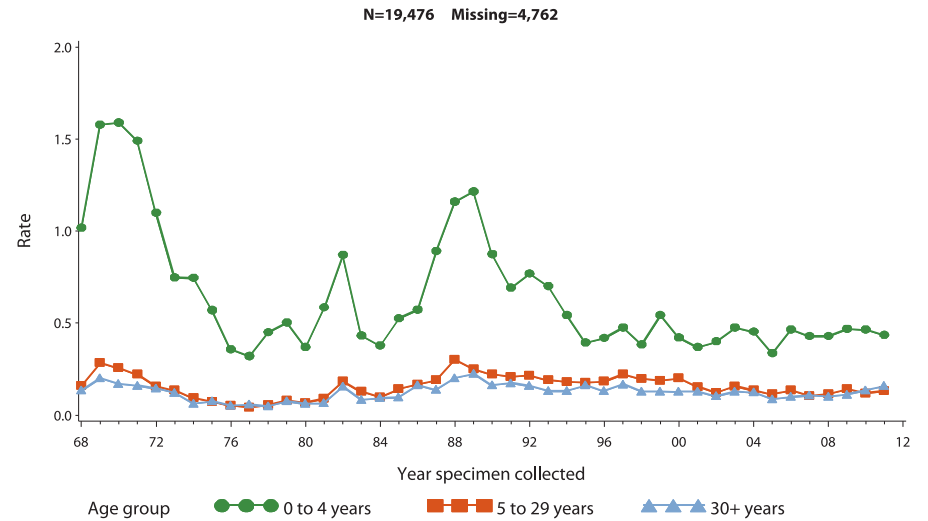


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Thompson

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=19,476 Missing=5,202

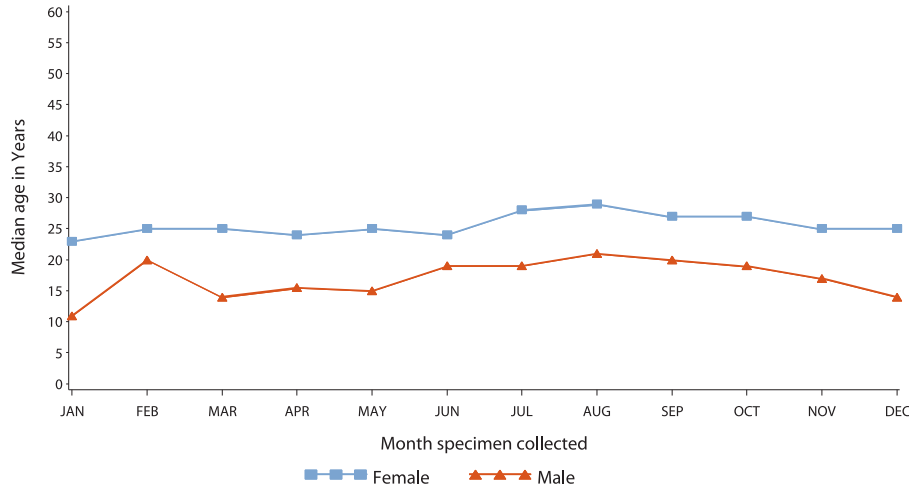


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=19,476 Missing=5,202

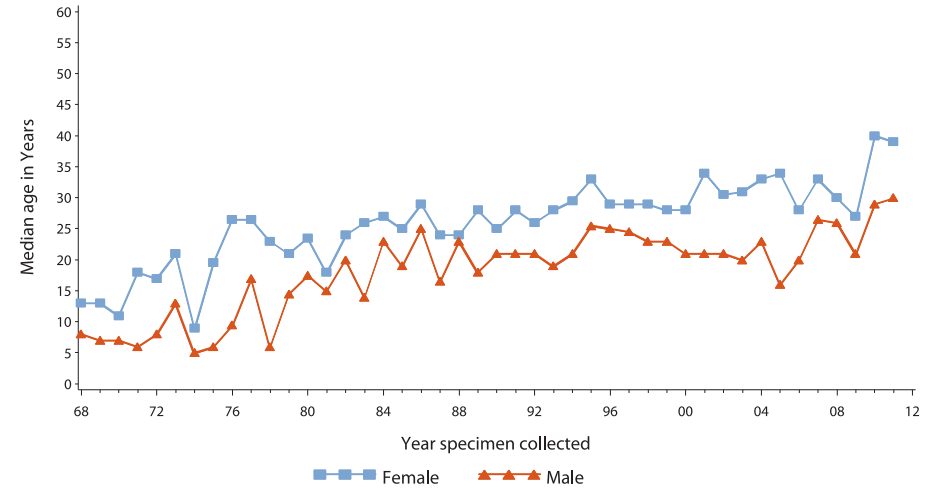


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=19,476 Missing=5,202

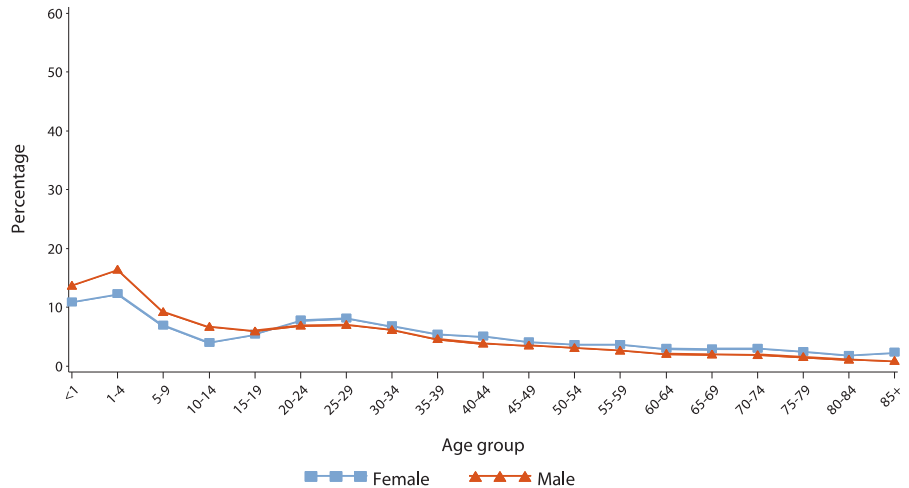


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=5,408

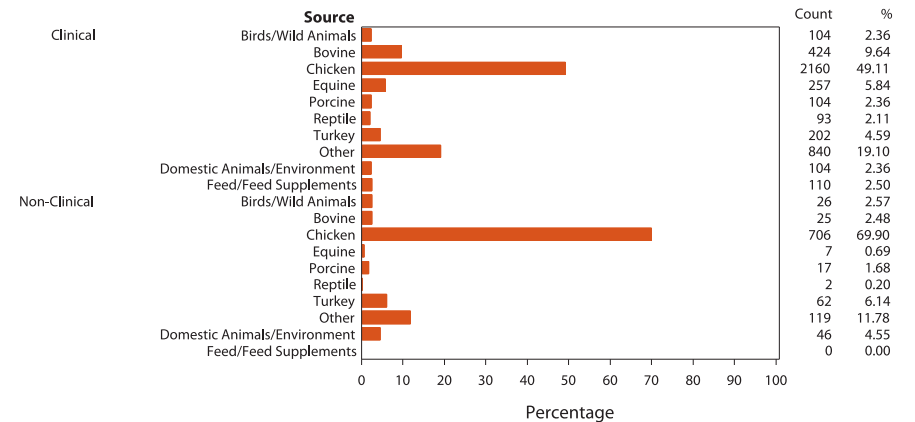
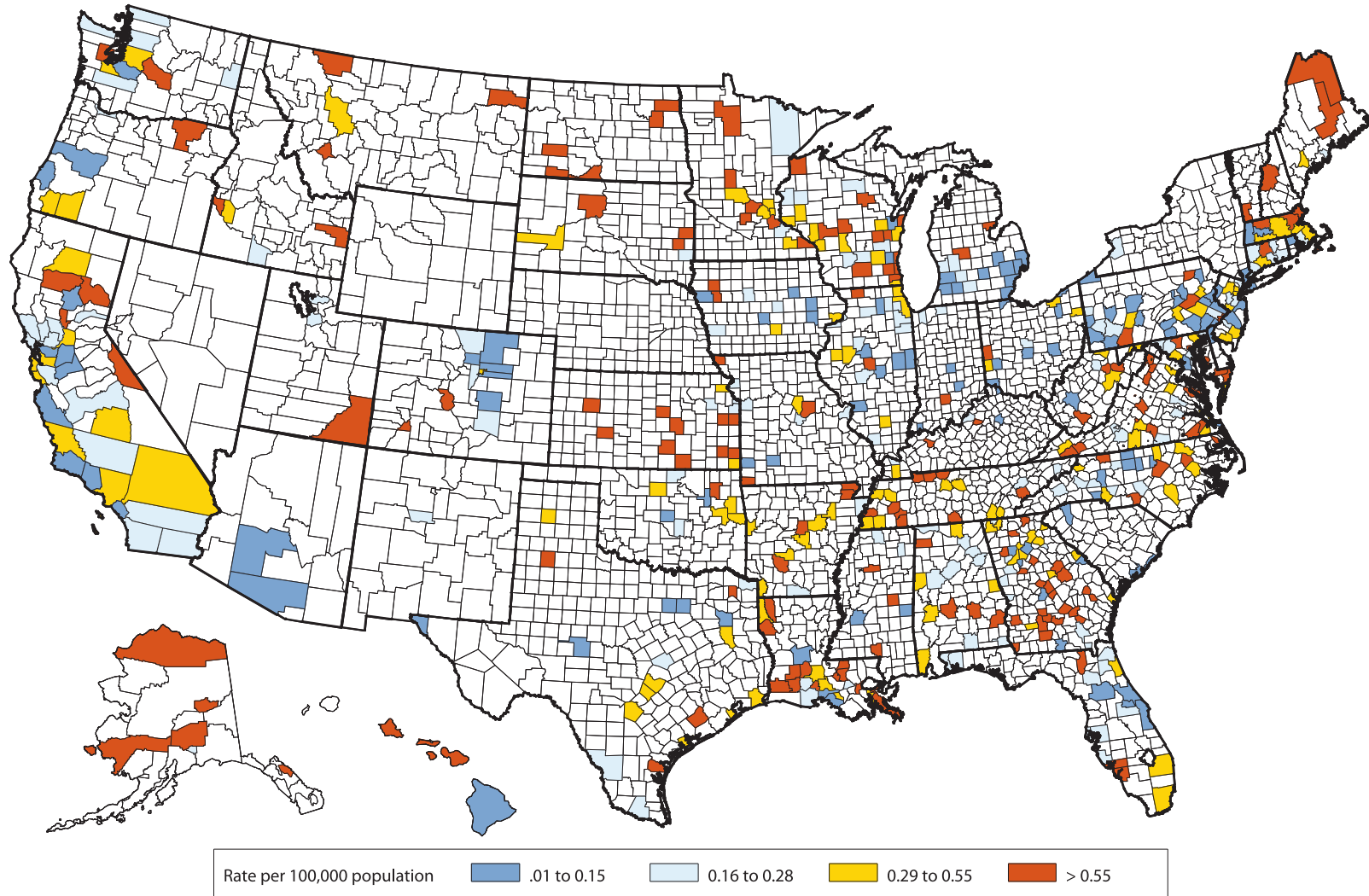
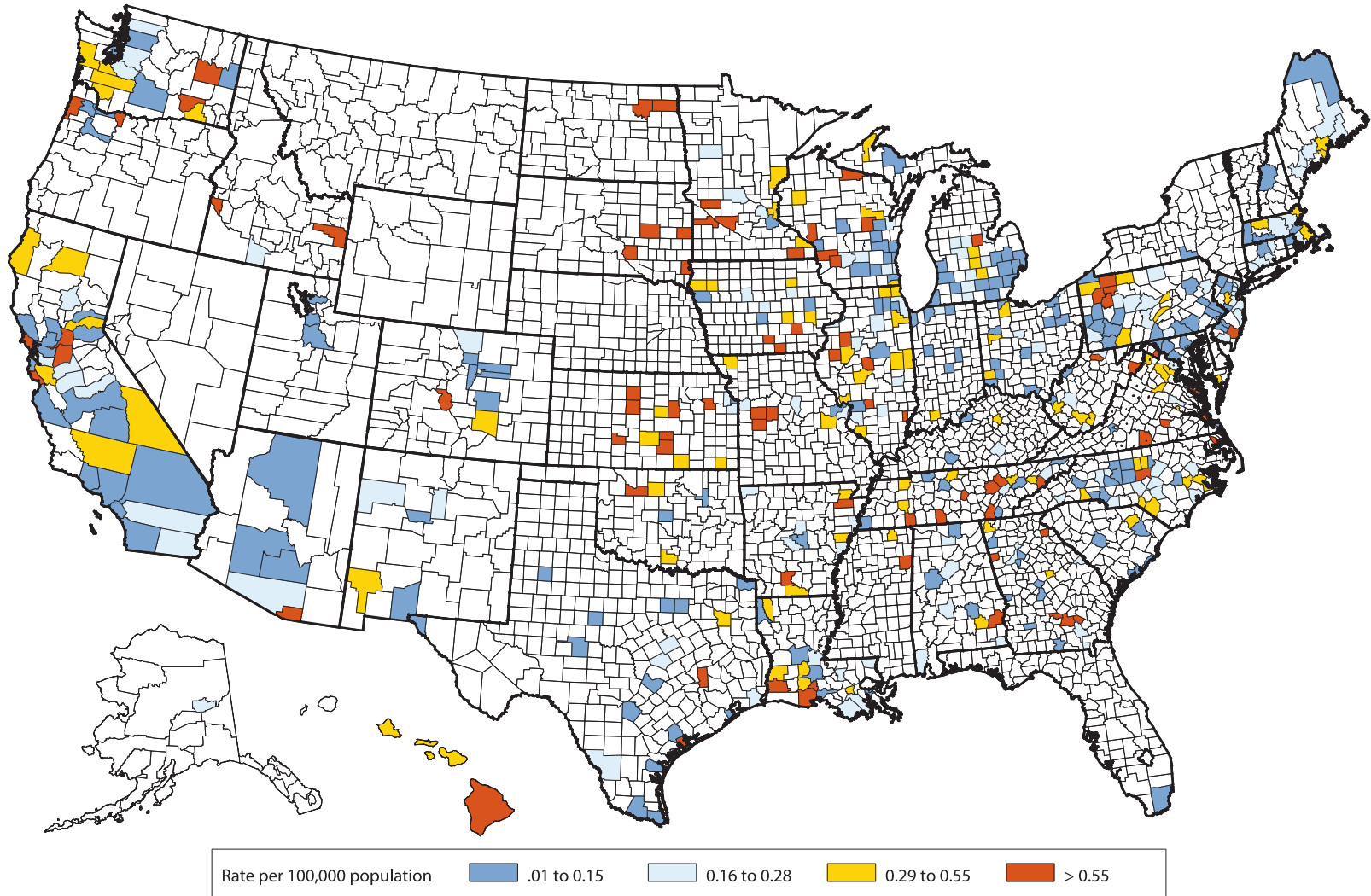


Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

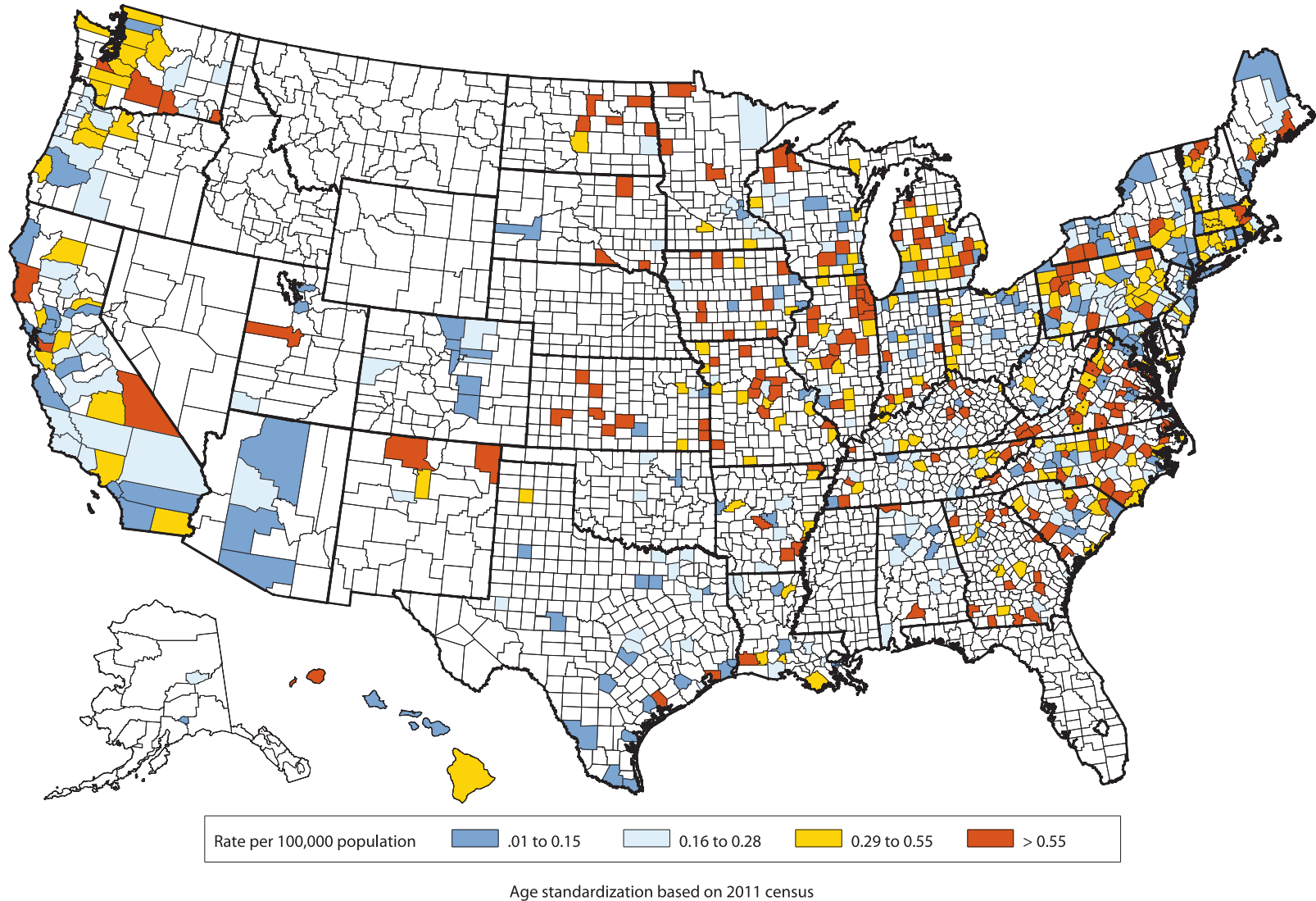
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

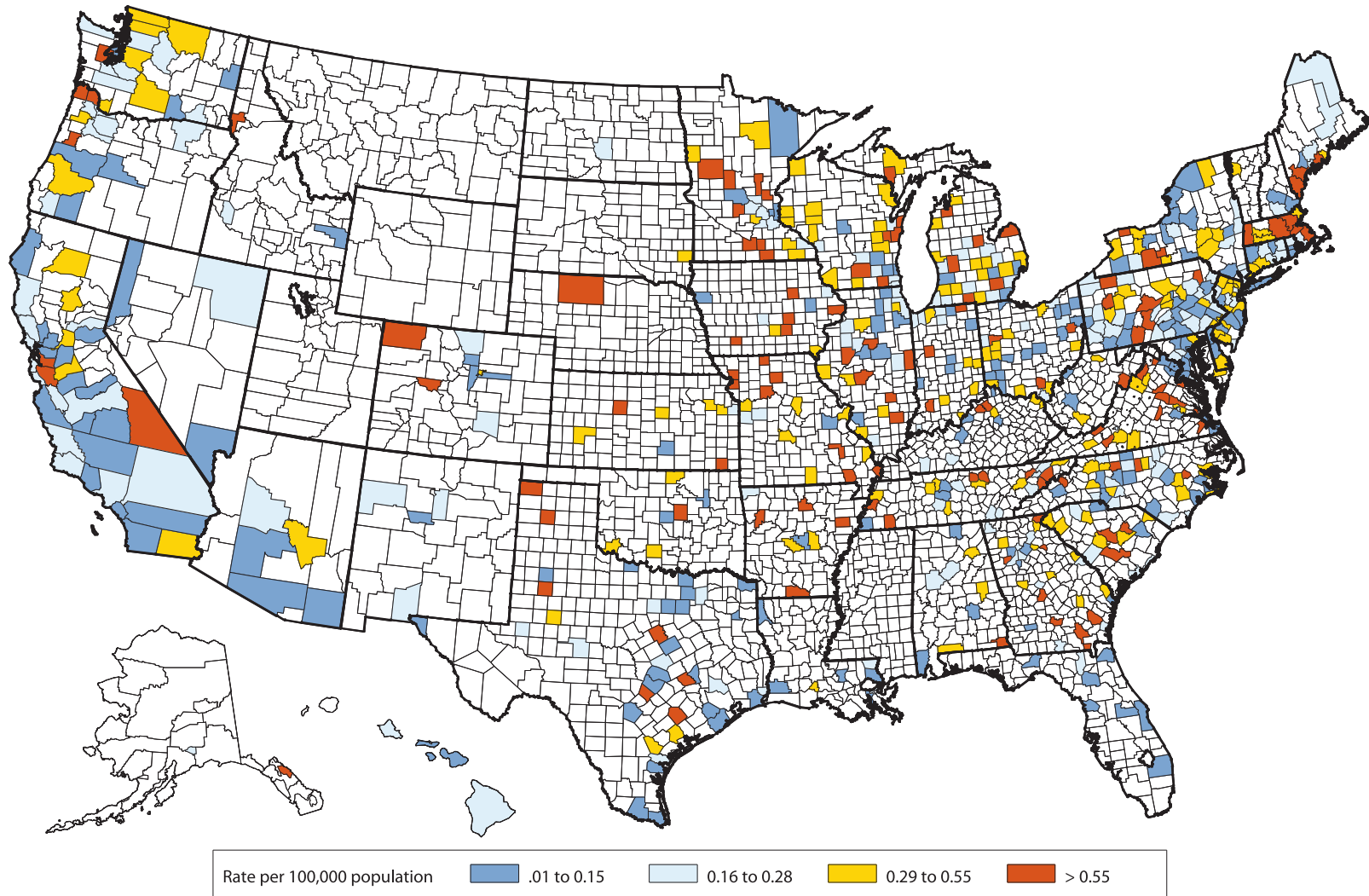
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

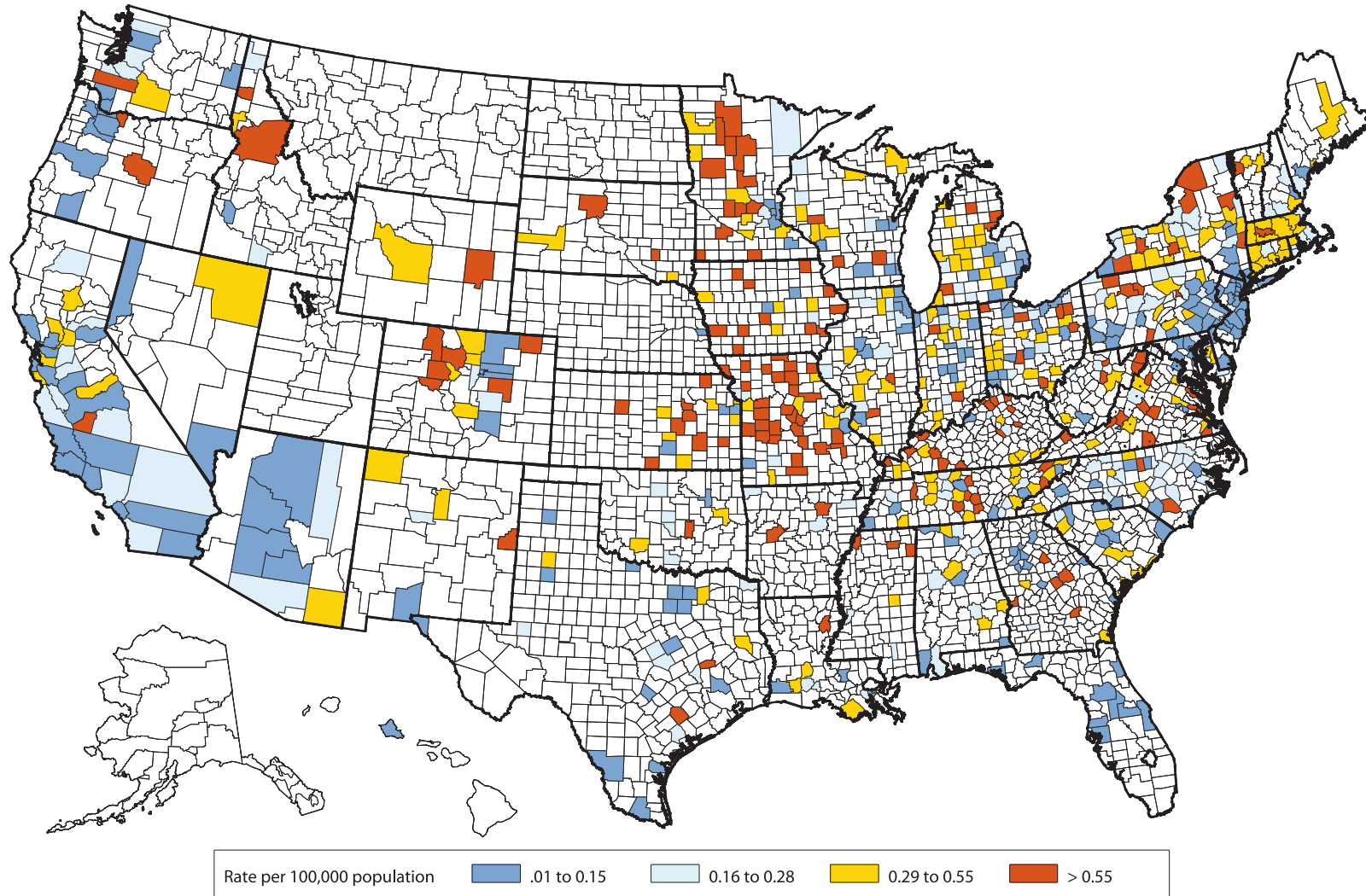
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

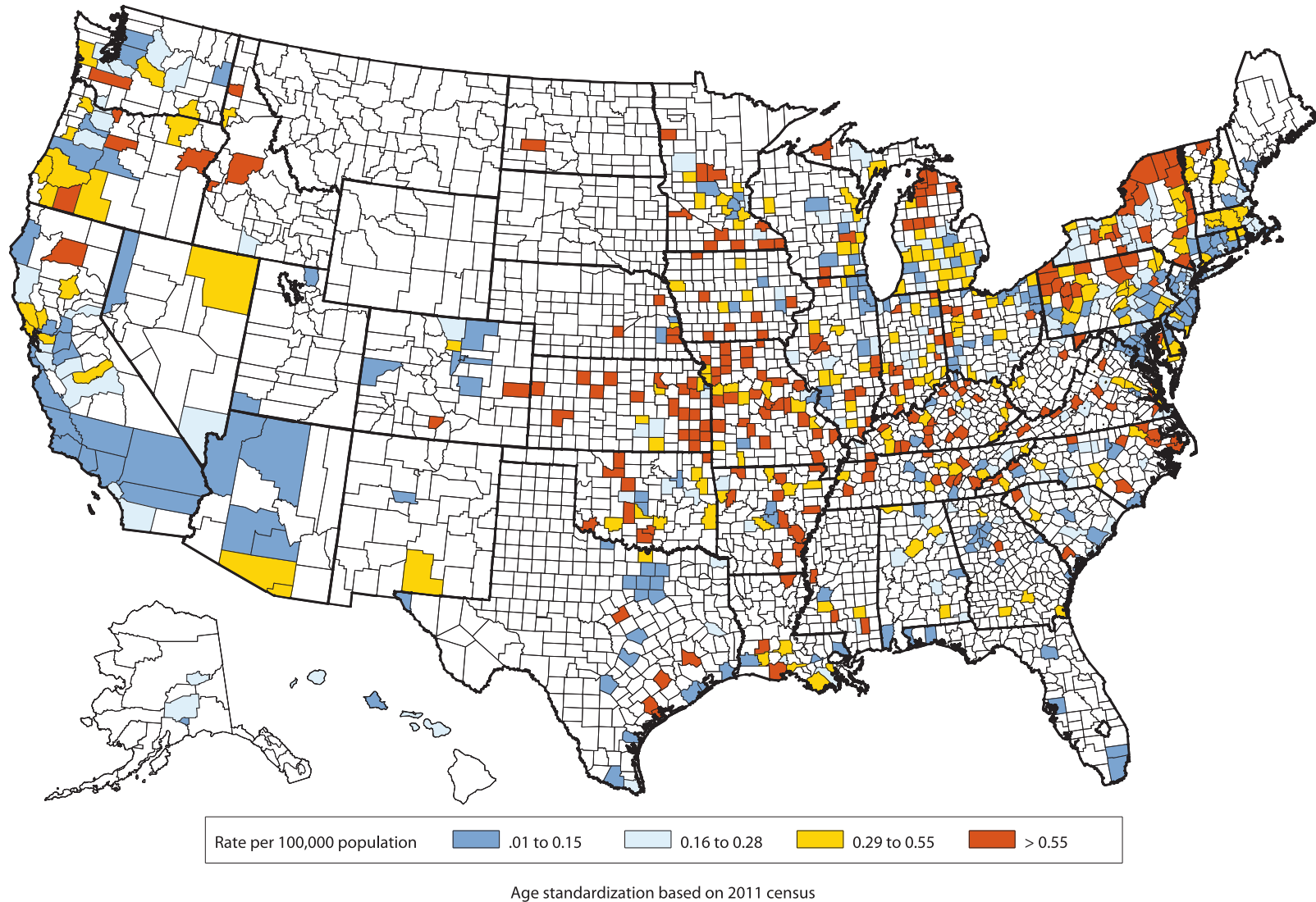
Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Typhi

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

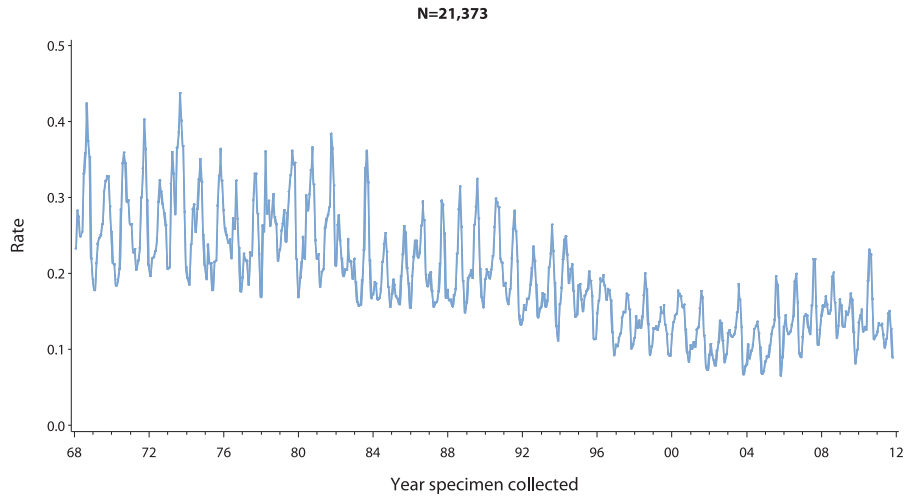


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

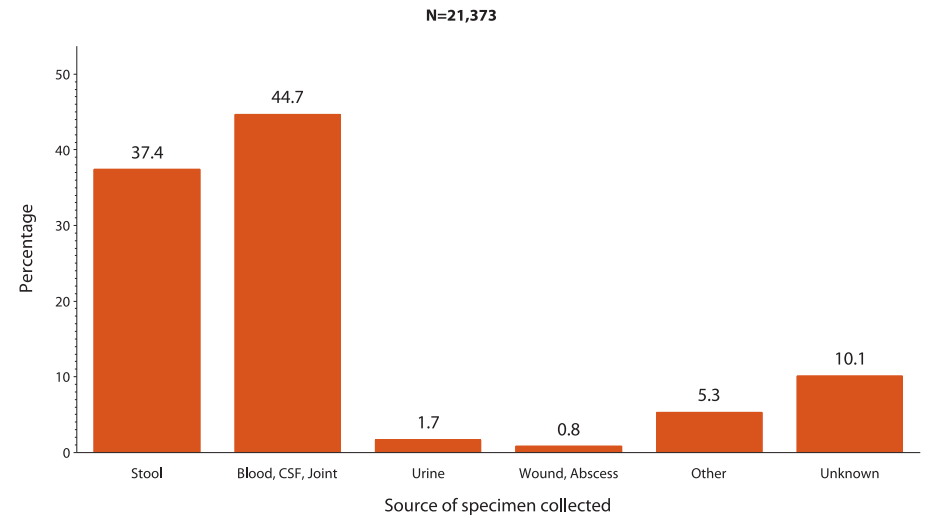


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

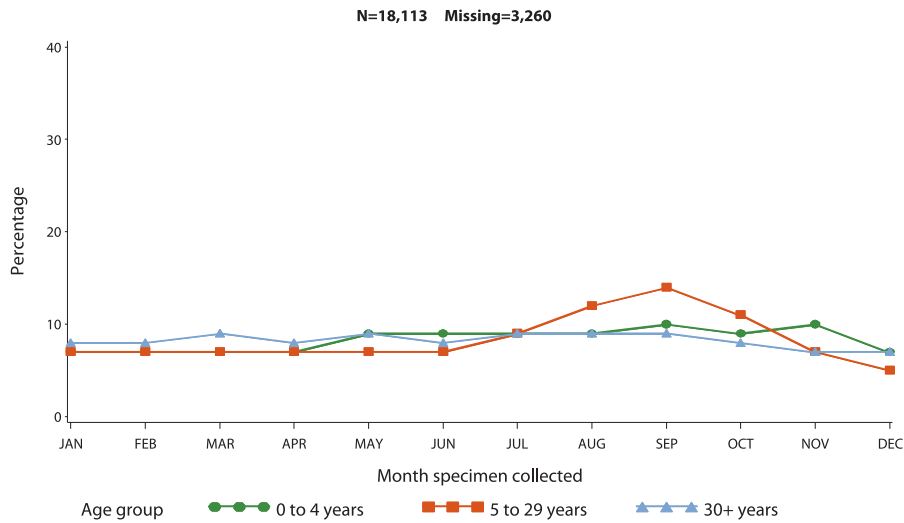


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011

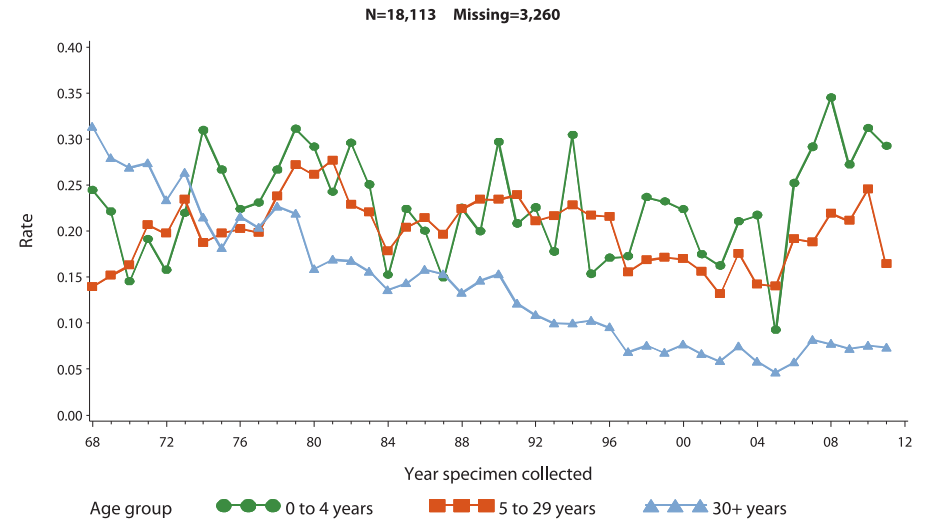


Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=18,113 Missing=3,831

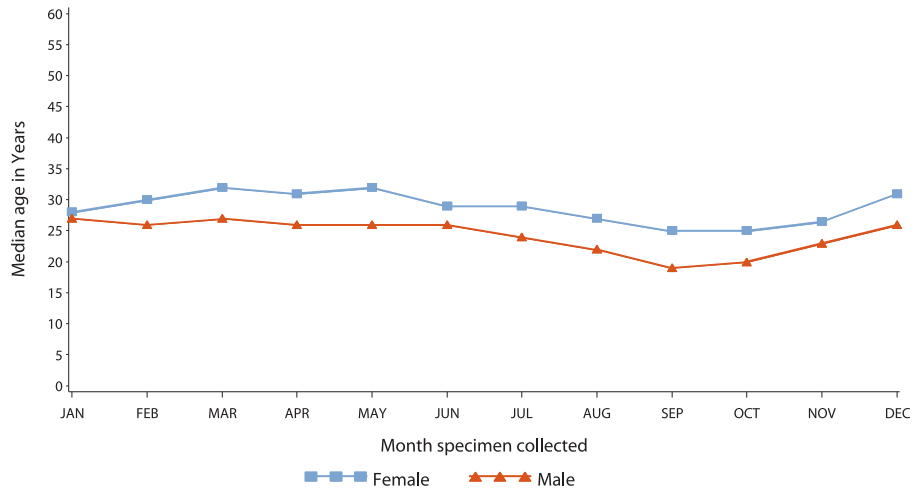


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=18,113 Missing=3,831

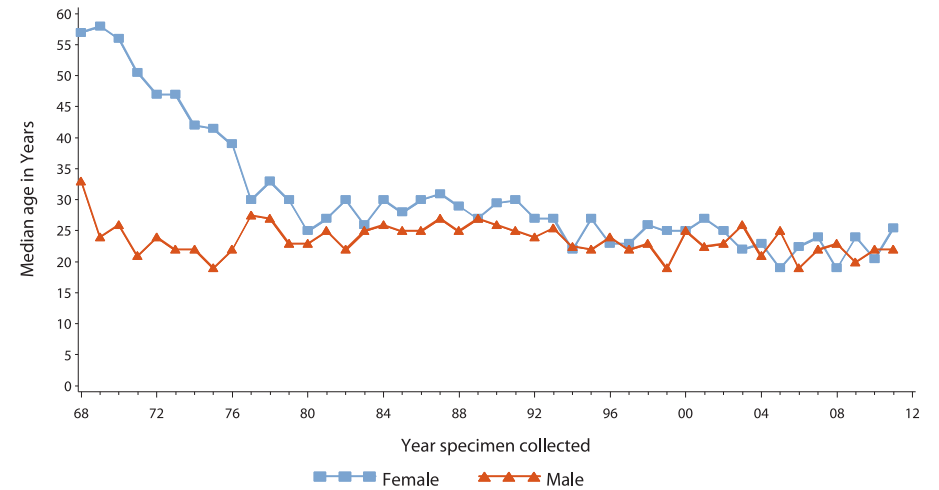


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=18,113 Missing=3,831

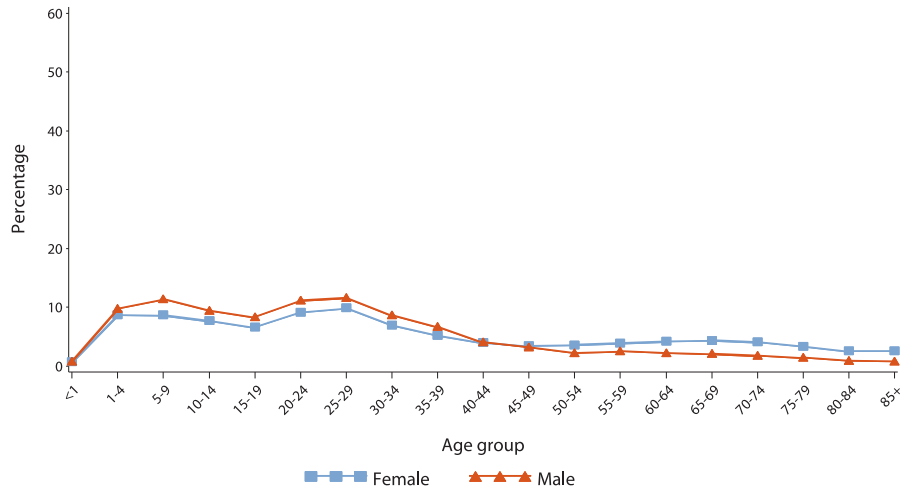


Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=45

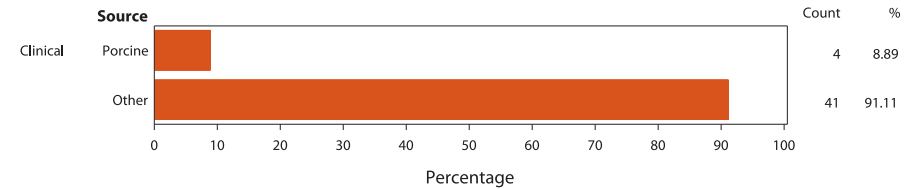
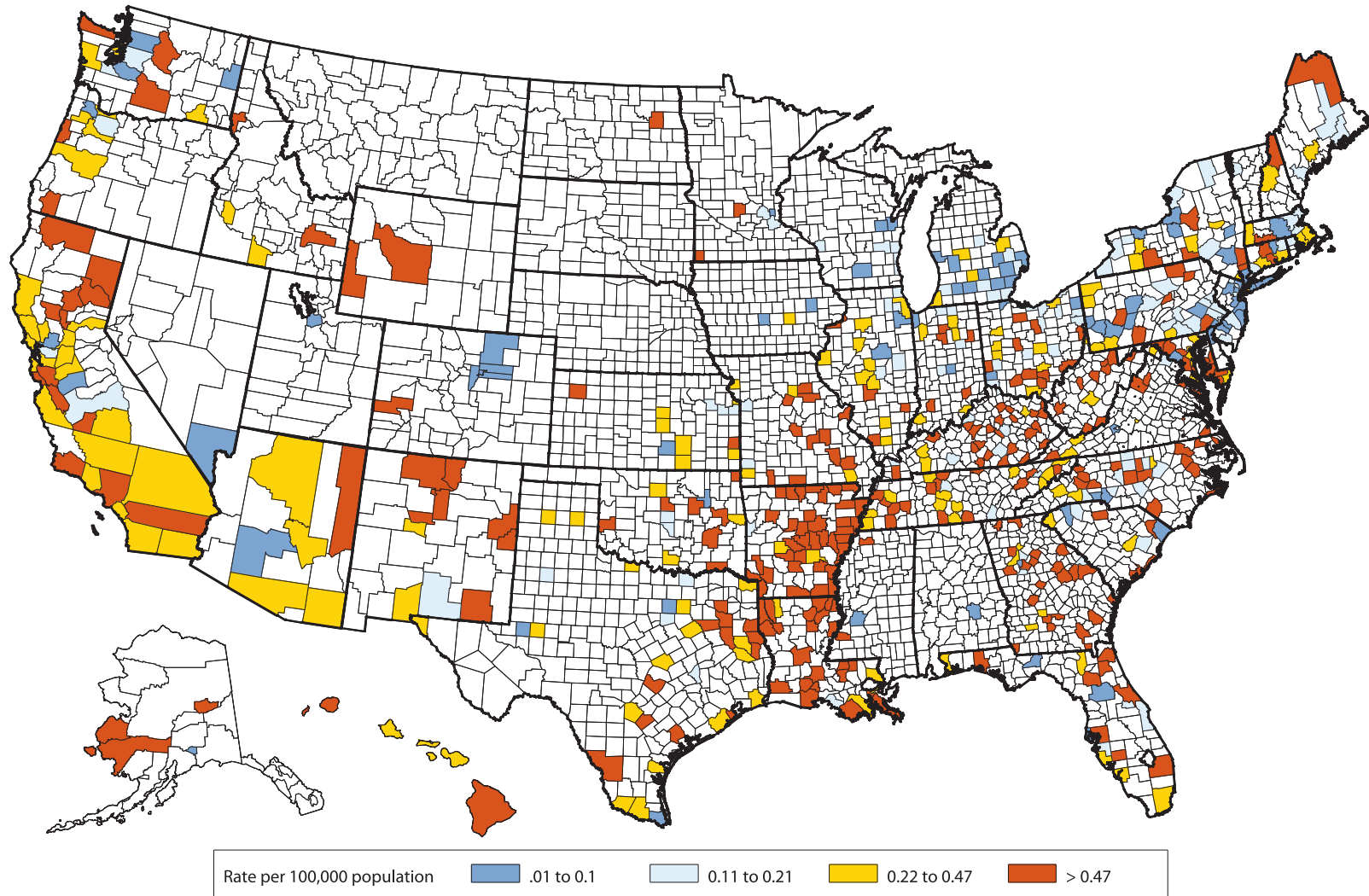


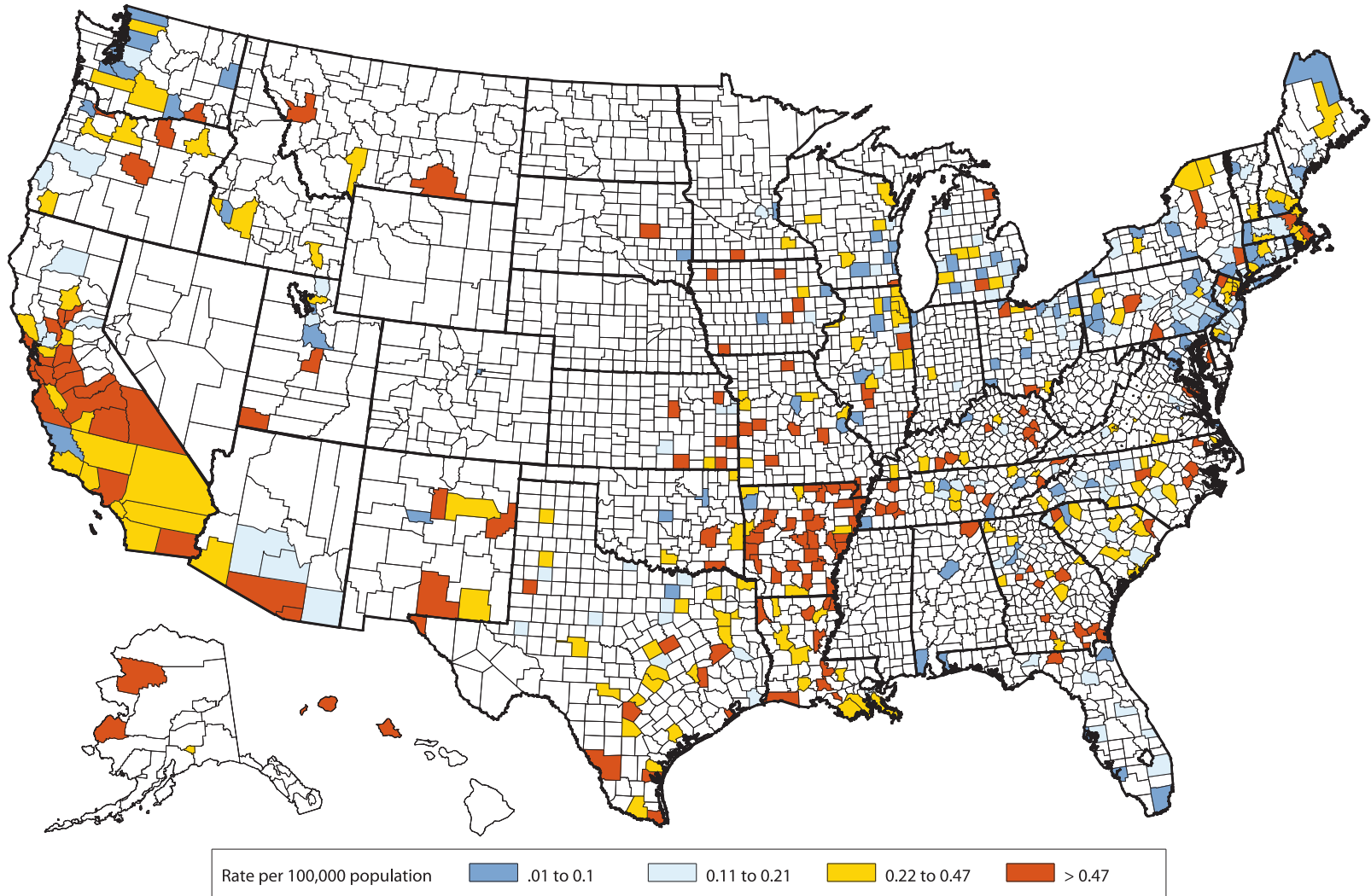
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

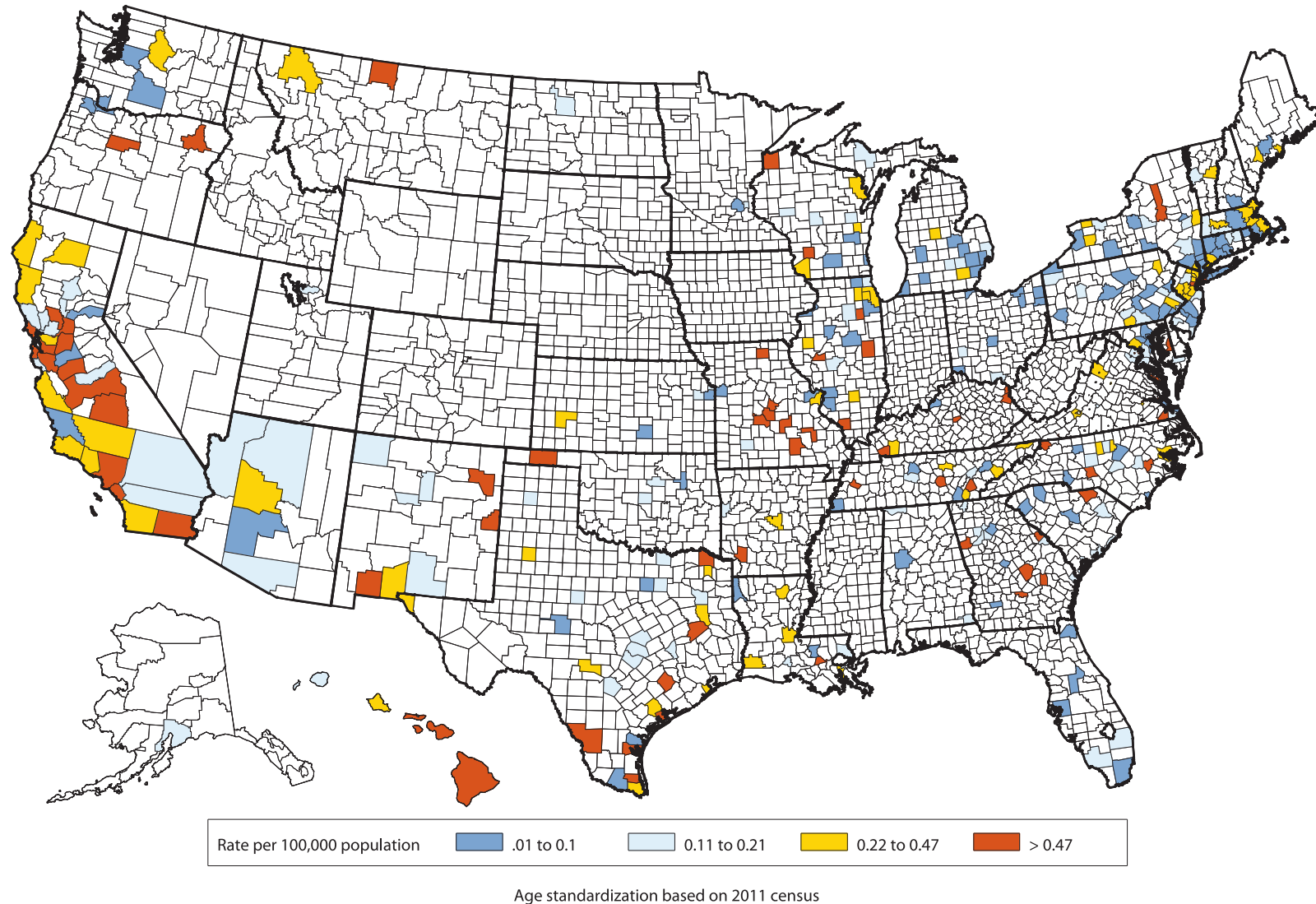
Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983



Age standardization based on 2011 census

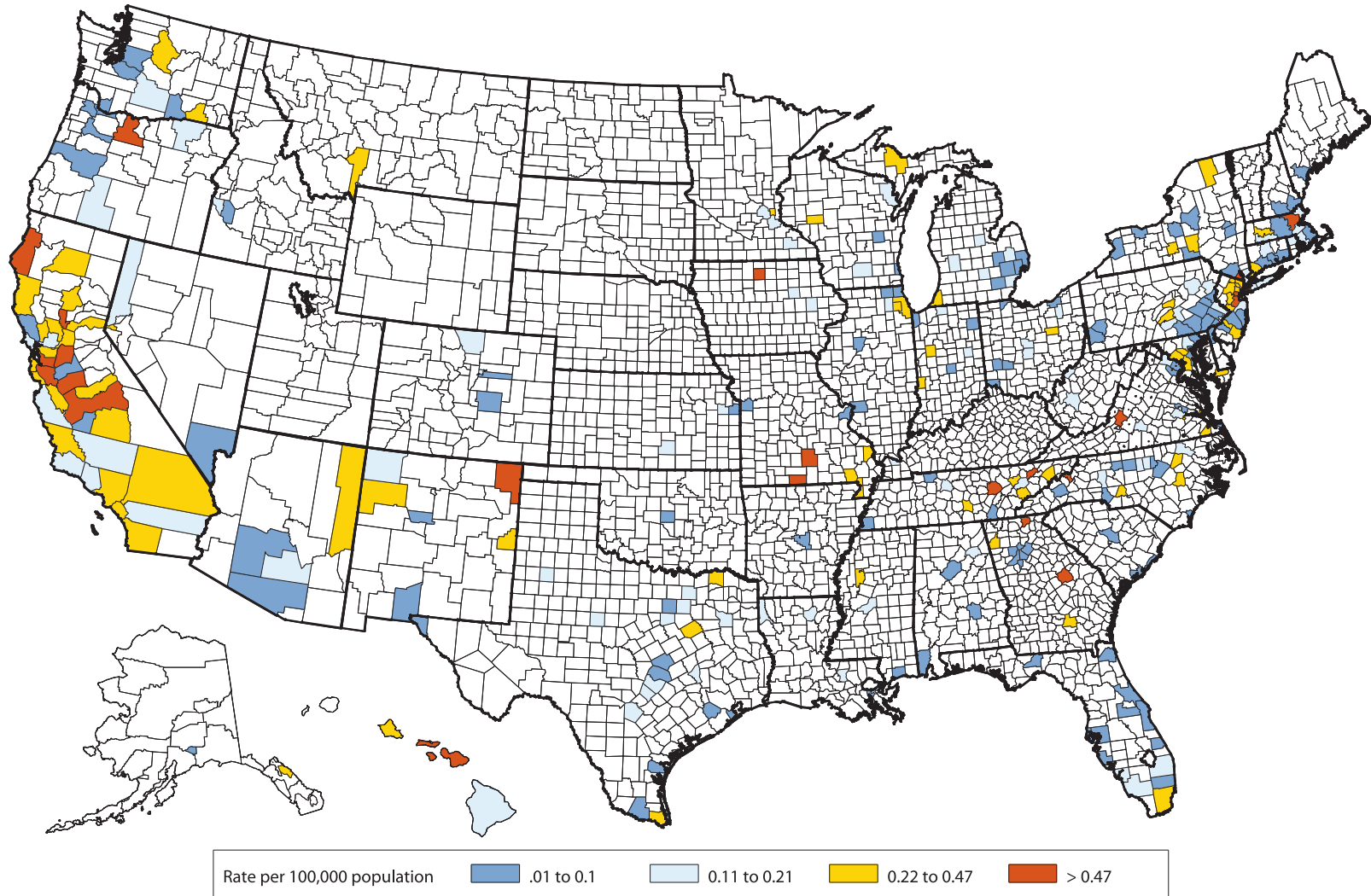
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

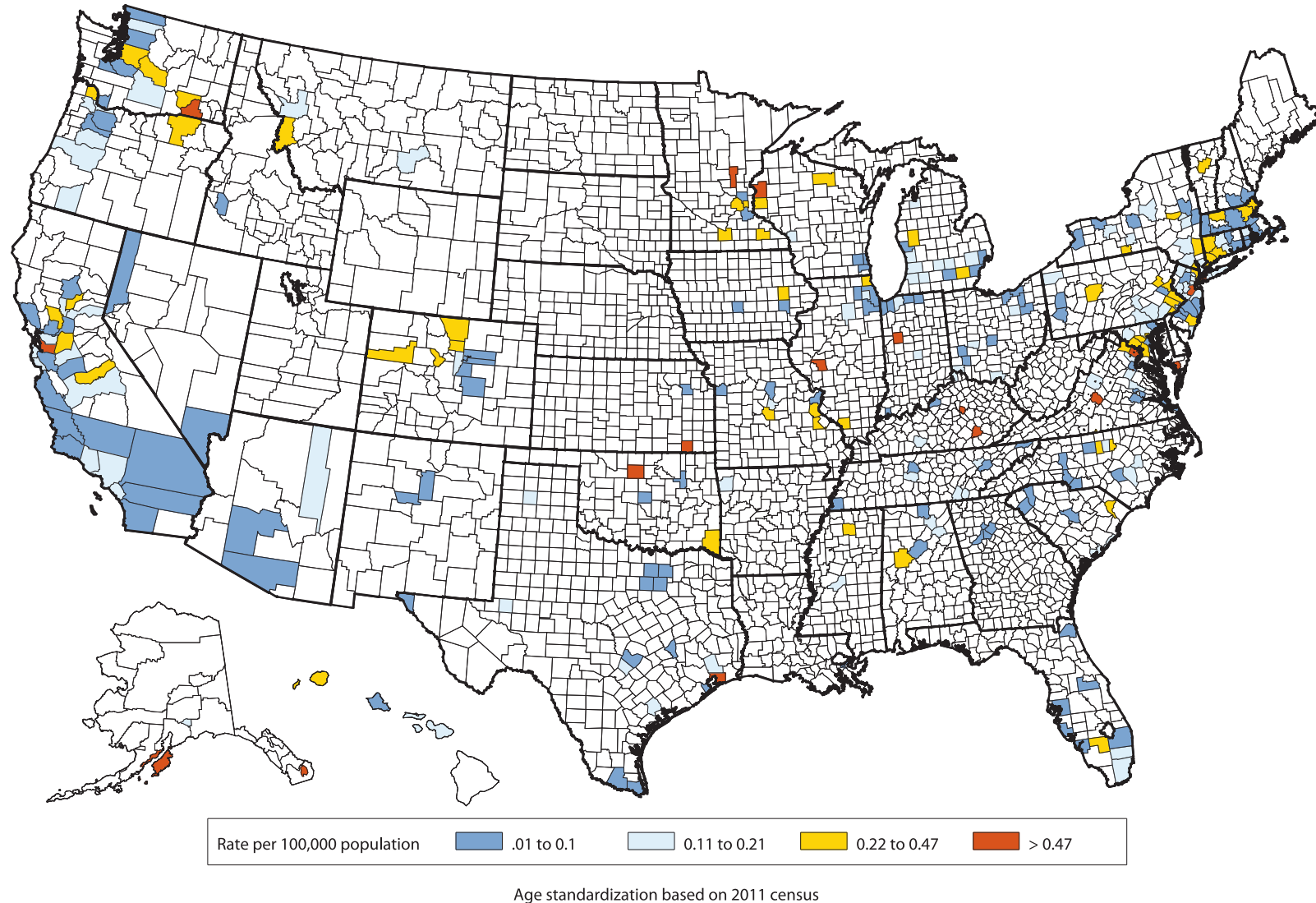
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

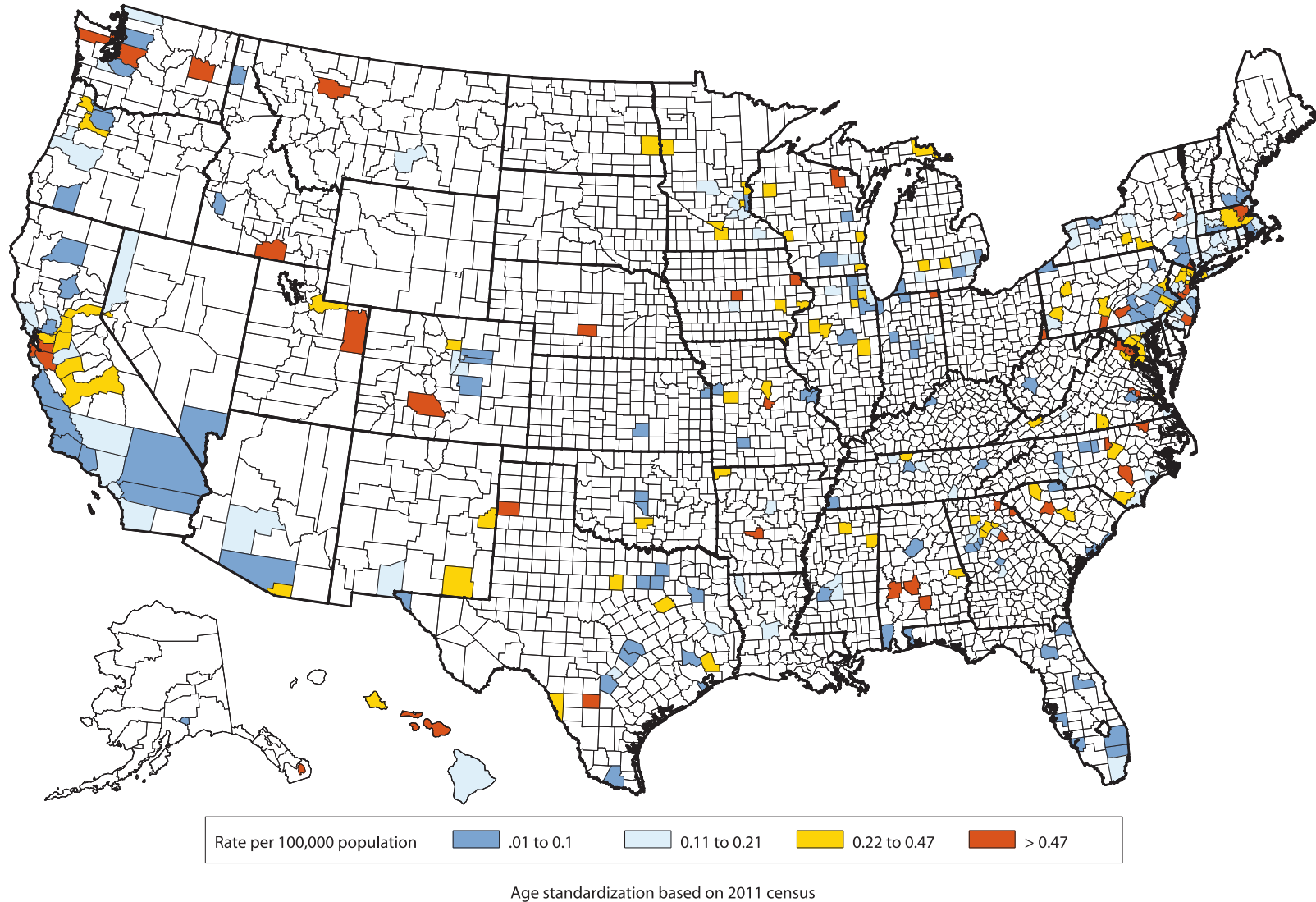
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



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Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Salmonella serotype Typhimurium

Figure 1 - Rate of reported isolates per 100,000 population, 3-month moving average, by month and year, 1968-2011

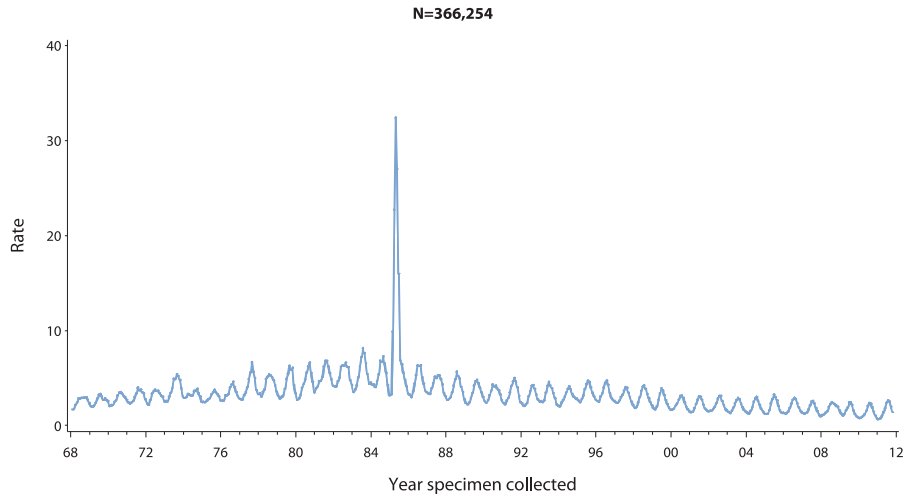


Figure 2 - Percentage of reported isolates, by specimen source, 1968-2011

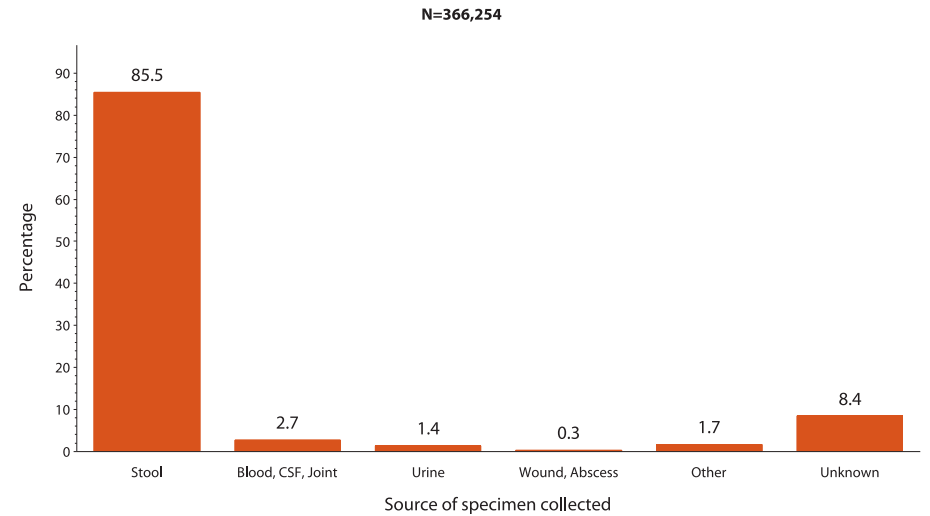


Figure 3 - Percentage of reported isolates, by age group and month, 1968-2011

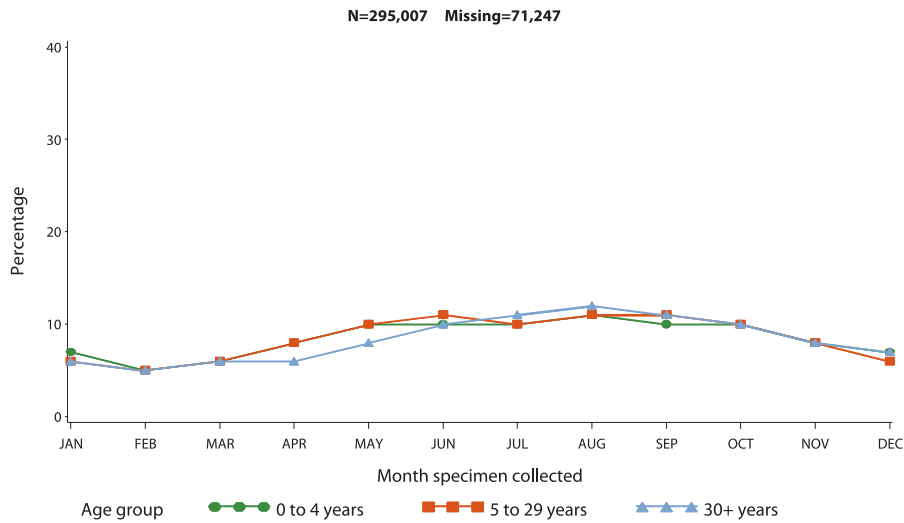
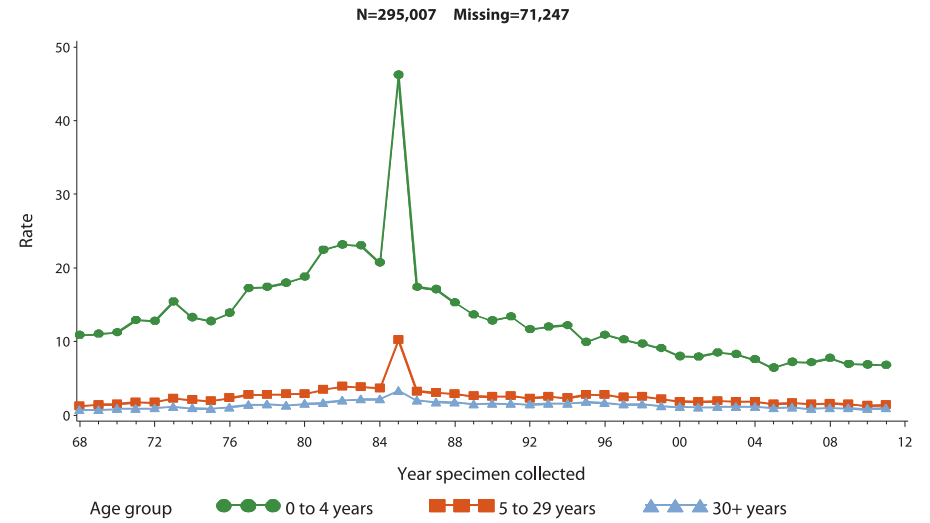


Figure 4 - Rate of reported isolates per 100,000 population, by age group and year, 1968-2011



Salmonella serotype Typhimurium

Figure 5 - Median age of persons whose specimens yielded isolates, by month, 1968-2011

N=295,007 Missing=77,660

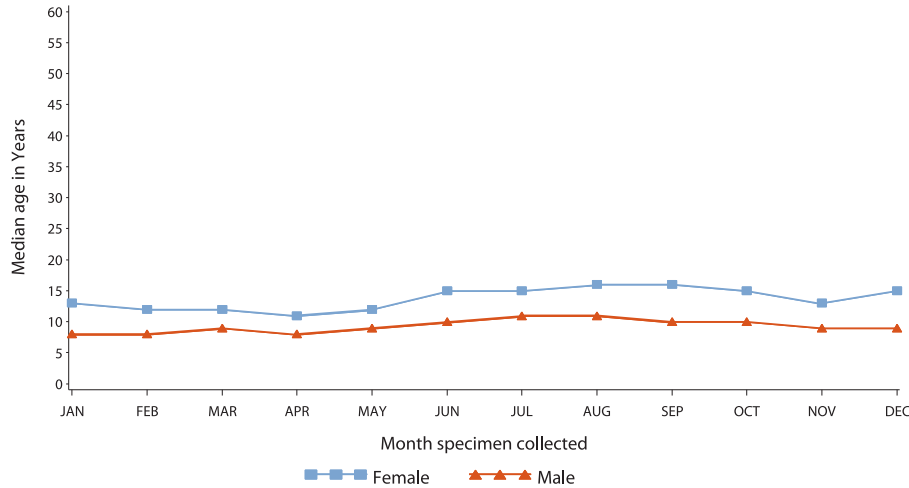


Figure 6 - Median age of persons whose specimens yielded isolates, by year, 1968-2011

N=295,007 Missing=77,660

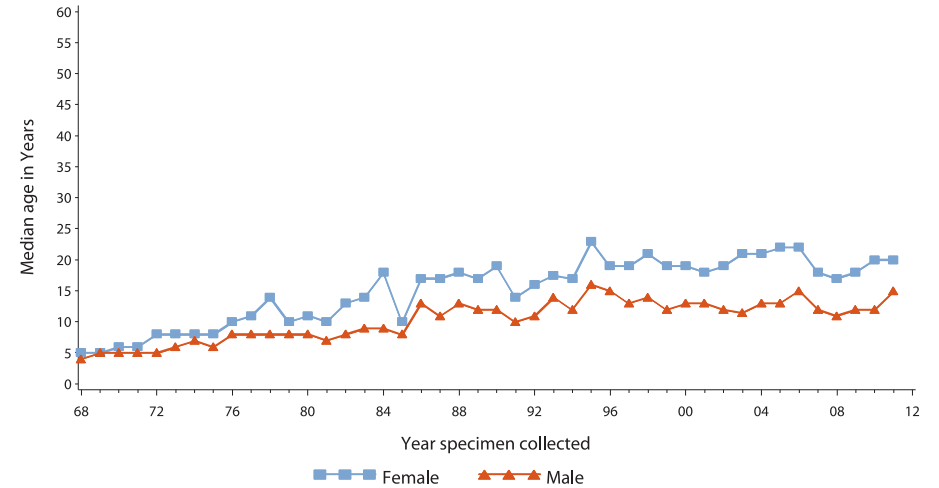


Figure 7 - Percentage of reported isolates, by age group and sex, 1968-2011

N=295,007 Missing=77,660

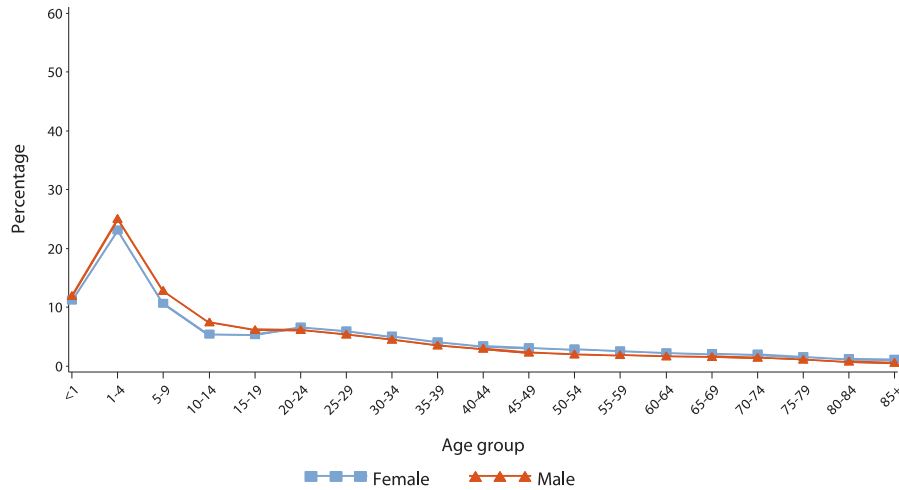
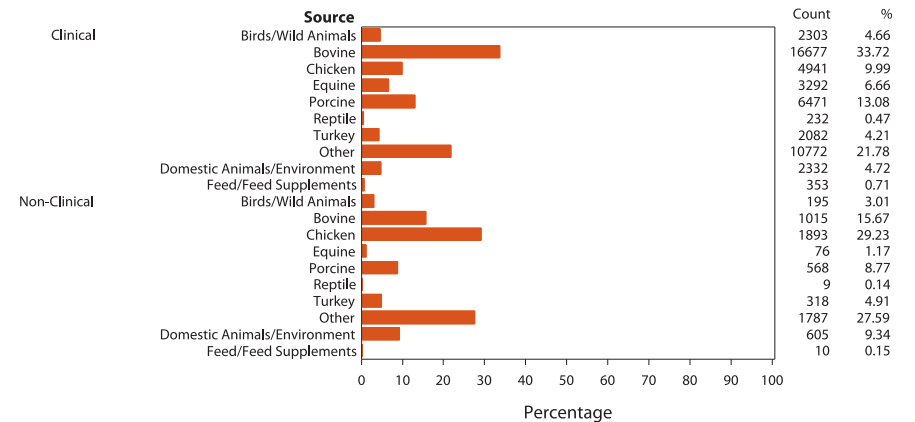


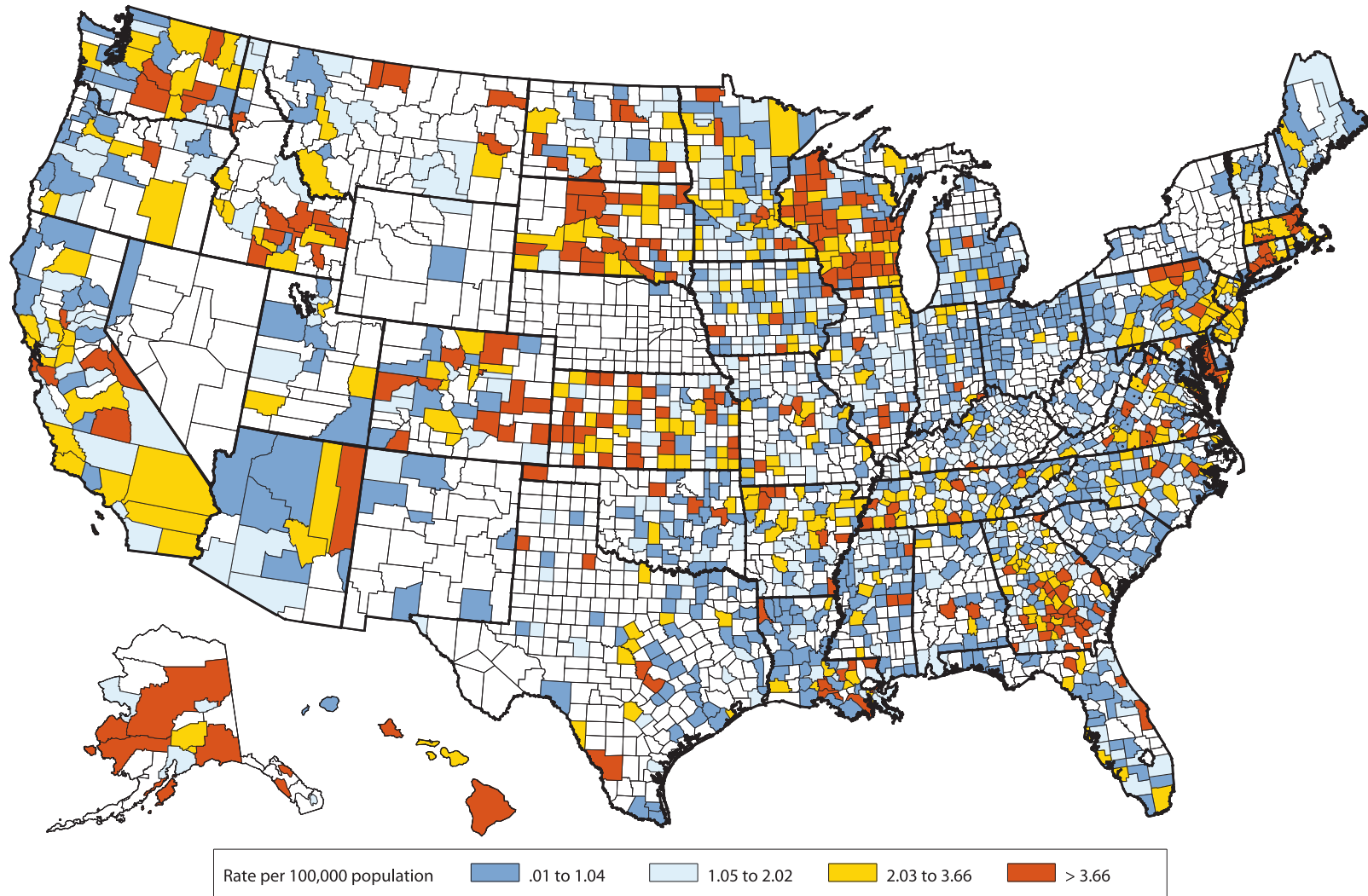
Figure 8 - Percentage of non-human isolates, by type and source, reported by the National Veterinary Services Laboratories, USDA-FSIS, 1968-2011

N=55,931



Salmonella serotype Typhimurium

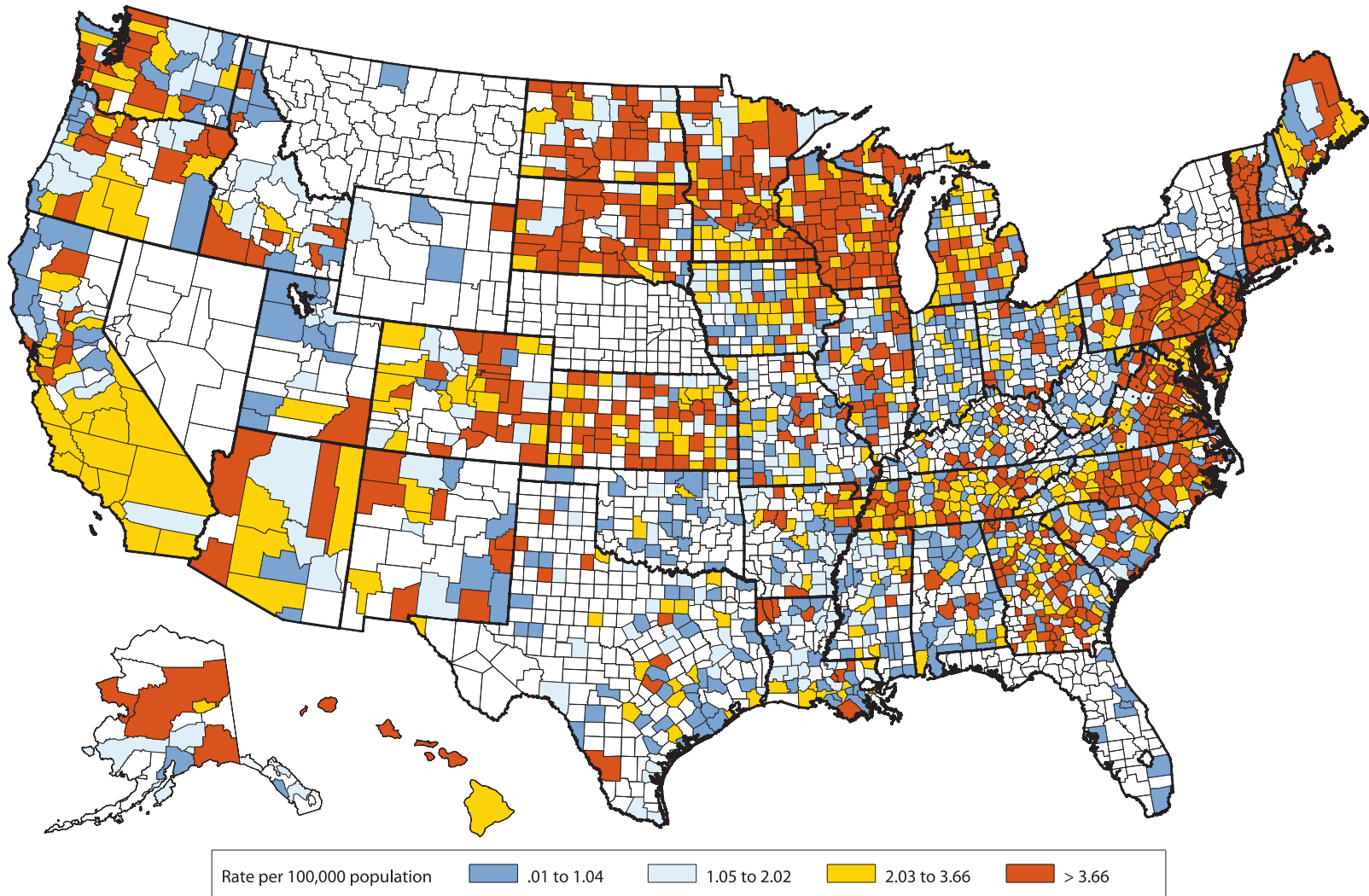
Figure 09 - Age-standardized rate per 100,000 population, by county, 1968 to 1975



Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 10 - Age-standardized rate per 100,000 population, by county, 1976 to 1983

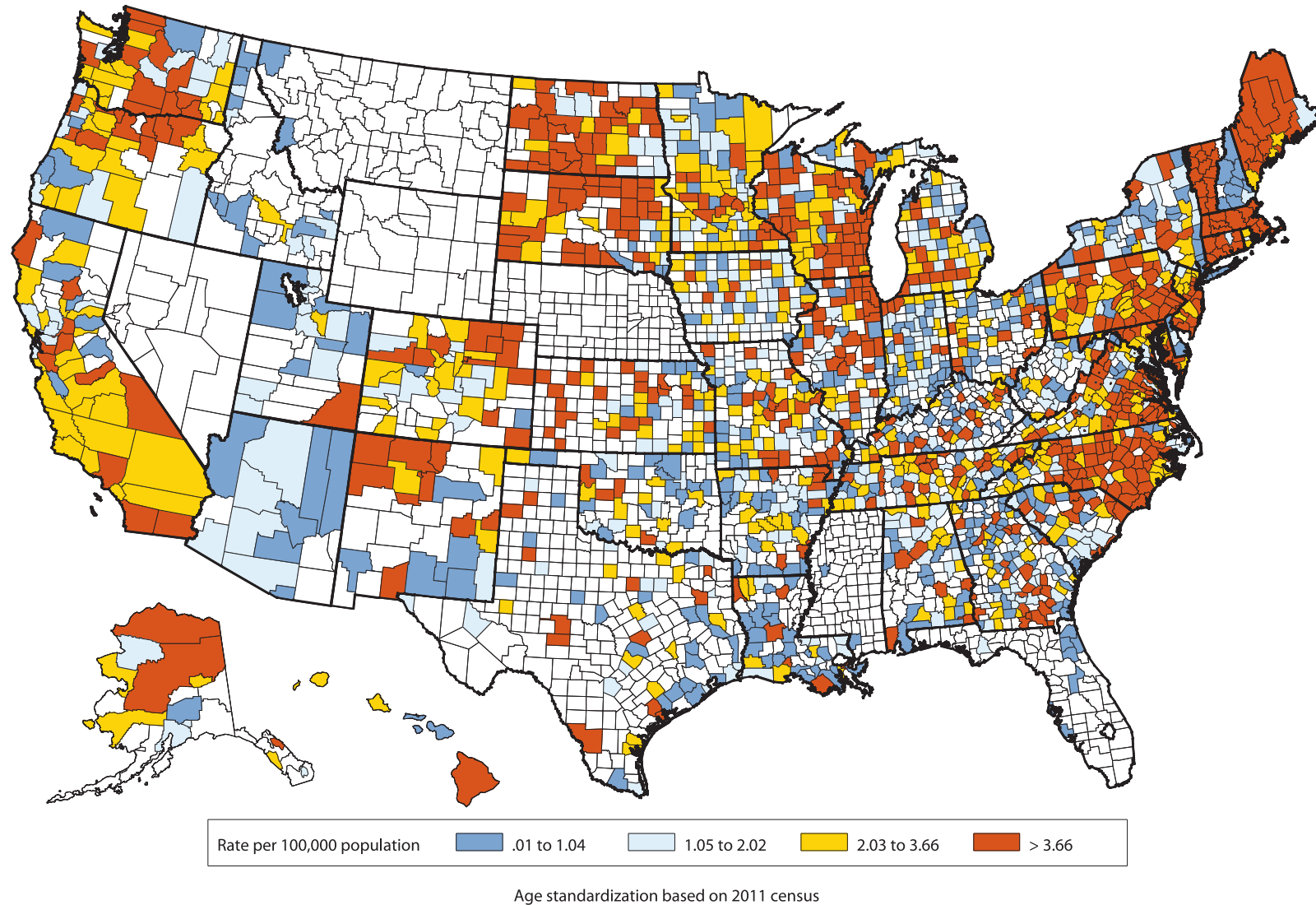


Age standardization based on 2011 census

Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

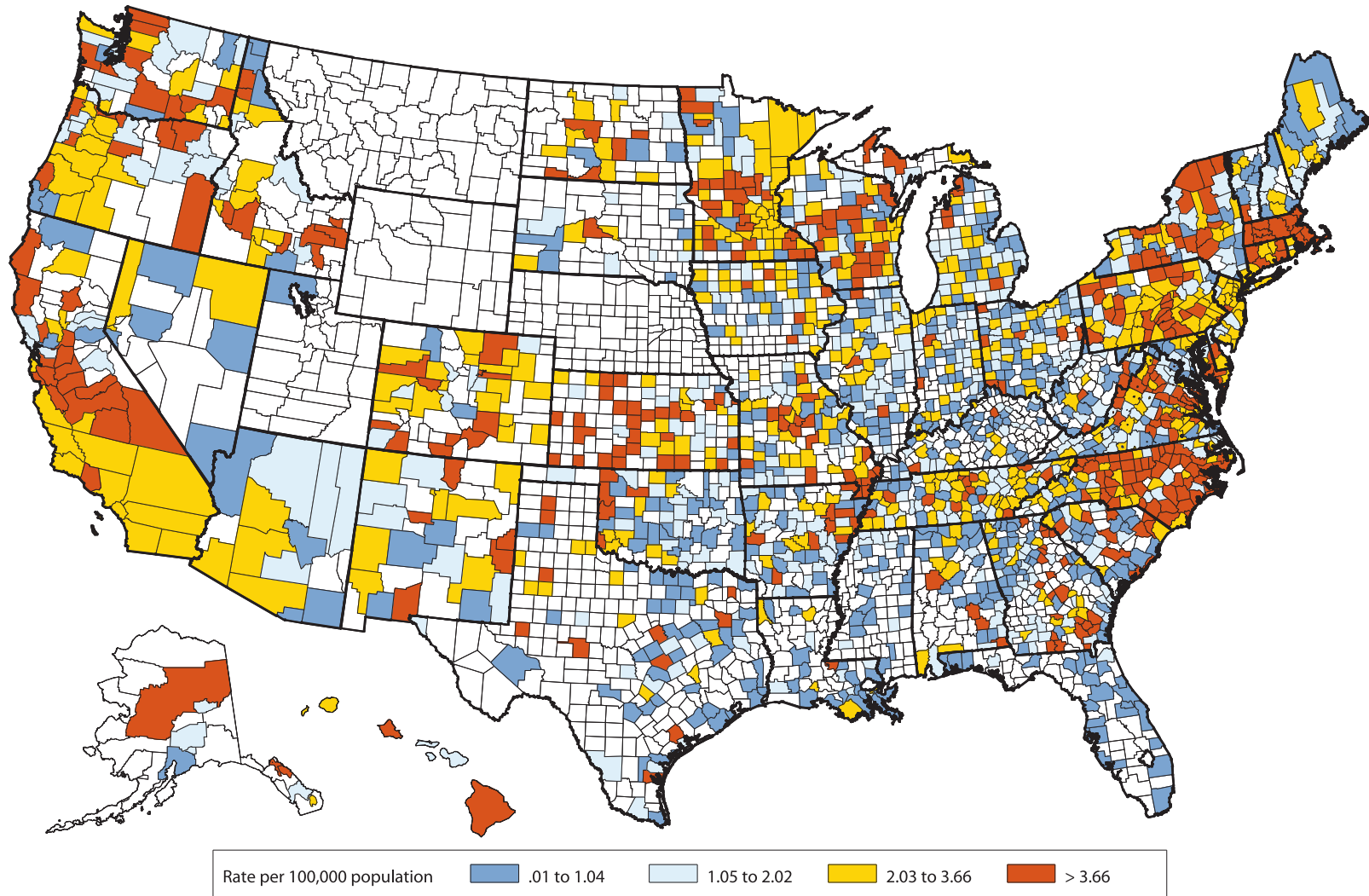
Salmonella serotype Typhimurium

Figure 11 - Age-standardized rate per 100,000 population, by county, 1984 to 1991



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

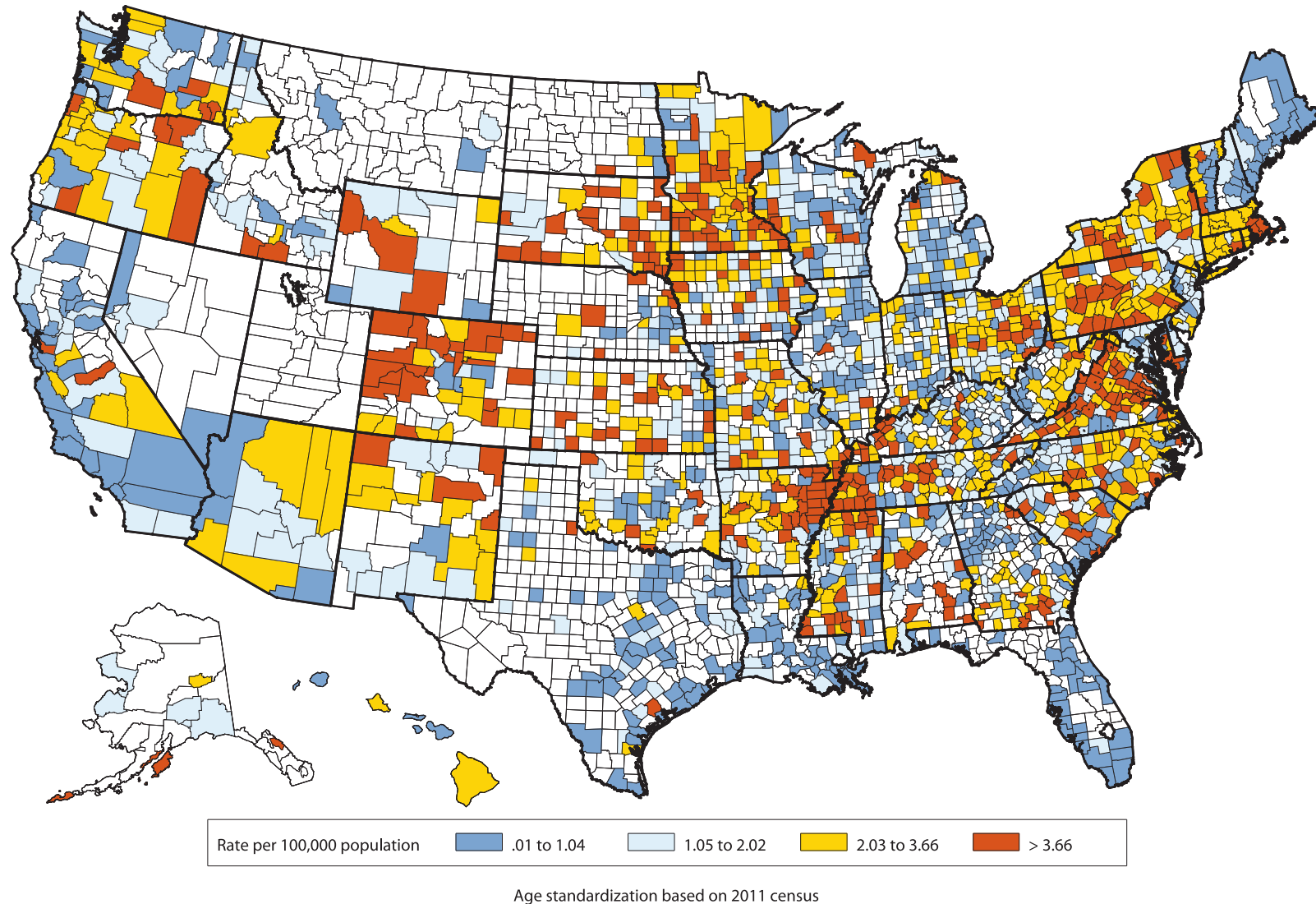
Figure 12 - Age-standardized rate per 100,000 population, by county, 1992 to 1998



Age standardization based on 2011 census

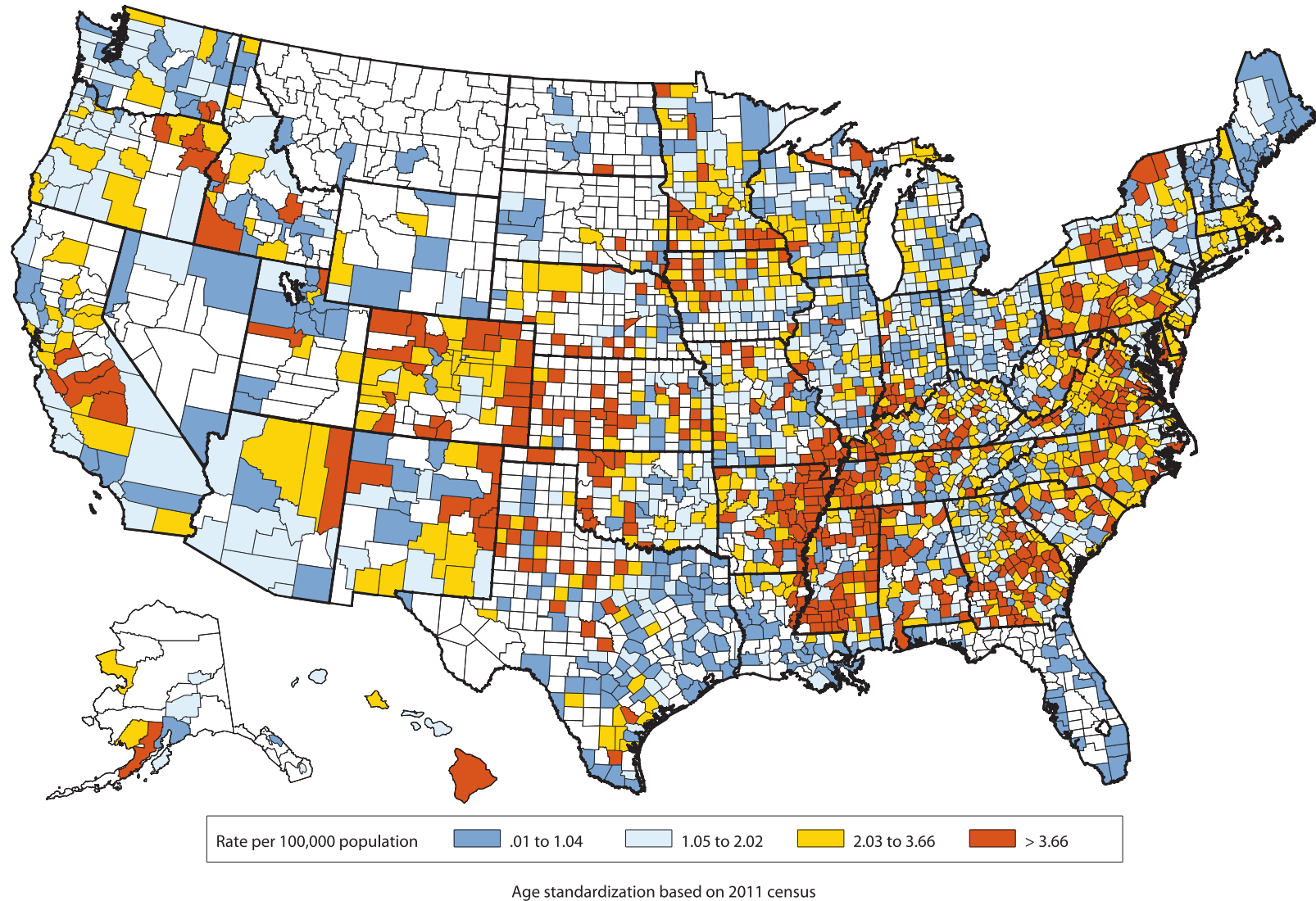
Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 13 - Age-standardized rate per 100,000 population, by county, 1999 to 2005



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

Figure 14 - Age-standardized rate per 100,000 population, by county, 2006 to 2011



Maps represent US state and county designations on August 1, 2012. See Federal Information Processing Standards (FIPS) Publication 6-4 for full details on changes to counties and equivalent entities of the United States over time. Blank counties are those for which the state reported isolates of the serotype but did not provide county-level information or the state reported no isolates of the serotype (no infections with that serotype or isolates not fully serotyped.)

