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# Self-Reported Frequent Mental Distress Among Adults — United States, 1993–2001

Poor mental health is a major source of distress, disability, and social burden (1); in any given year, as many as one in five adults in the United States has a mental disorder (2). To identify differences among populations and factors contributing to poor mental health, CDC examined the prevalence of frequent mental distress (FMD) among U.S. adults by race/ ethnicity, socioeconomic status (SES), and sex, by using aggregate data from Behavioral Risk Factor Surveillance System (BRFSS) surveys for 1993-2001. This report describes the results of that analysis, which indicated that the prevalence of FMD varied among racial/ethnic populations and increased substantially among whites and blacks. In addition, FMD was reported more frequently by women and by persons with low SES within each racial/ethnic population. Targeting adverse socioeconomic risk factors and improving access to mental health services might decrease FMD among adults and reduce racial/ethnic disparities in mental health (2).

BRFSS is an ongoing, state-based, random-digit-dialed telephone survey of the noninstitutionalized, civilian, U.S. population aged  $\geq 18$  years (3). The study described in this report included 1,283,258 respondents from all 50 states and the District of Columbia. The median state response rate\* ranged from 71.4% in 1993 to 51.1% in 2001 (3). In response to the question, "Now, thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?," a person who reported  $\geq 14$  days was identified as having FMD. This 14-day minimum period was selected because physicians and researchers often use a similar period as a marker for clinical depression and anxiety disorders (4).

Racial/ethnic populations were mutually exclusive. To study associations of FMD with SES, respondents were identified as having 1) low SES: those without a high school diploma or with <\$15,000 annual household income; 2) high SES: those with a college education and  $\geq$ \$50,000 annual household income; or 3) middle SES: all other respondents.

Data were weighted to estimate population parameters. To examine how certain variables accounted for differences in FMD, unadjusted, age- and sex-adjusted, and multivariableadjusted estimates (i.e., adjusted for age, sex, marital status, education, annual household income, employment status, and health insurance status) were calculated. Unadjusted and adjusted prevalences and their standard errors were calculated by using cross-tabulation and logistic regression analyses to account for the complex BRFSS survey design. Multicollinearity testing indicated no collinearity among independent variables in the models (5).

Overall, the prevalence of FMD among U.S. adults increased significantly, from 8.4% in 1993 to 10.1% in 2001 (p<0.05). Moreover, FMD prevalence increased for non-Hispanic whites, from 8.1% to 9.7%, and for non-Hispanic blacks, from 9.5% to 11.3% (Figure 1). FMD was most common among American Indians/Alaska Natives (AI/ANs) (14.4% unadjusted and 11.4% multivariable-adjusted) and non-Hispanics of other

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<sup>\*</sup>According to the methodology of the Council of American Survey Research Organizations, the response rate includes the number of completed interviews in the numerator and an estimate of the number of all eligible interviewees and those whose eligibility is undetermined in the denominator.

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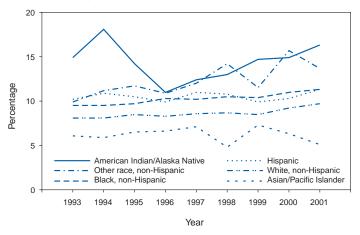
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### Notifiable Disease Morbidity and 122 Cities Mortality Data

Robert F. Fagan Deborah A. Adams Felicia J. Connor Lateka Dammond Rosaline Dhara Donna Edwards Patsy A. Hall Pearl C. Sharp FIGURE 1. Prevalence of frequent mental distress\* among adults, by racial/ethnic population and year — Behavioral Risk Factor Surveillance System, United States, 1993–2001<sup>†</sup>



\* Self-reported mental health was not good (e.g., stress, depression, or emotional problems) ≥14 days during the preceding 30 days.
<sup>†</sup>Unadjusted.

race<sup> $\dagger$ </sup> (12.9% unadjusted and 12.3% multivariable-adjusted) and least common among Asians/Pacific Islanders (A/PIs) (6.2% unadjusted and 7.5% multivariable-adjusted). Among non-Hispanic whites, the prevalence of FMD was 8.6% unadjusted and 9.4% multivariable-adjusted; among Hispanics, 10.5% unadjusted and 8.4% multivariable-adjusted; and among blacks, 10.3% unadjusted and 8.0% multivariableadjusted (Table).

Across all racial/ethnic populations, respondents with high SES were least likely to have FMD; however, racial/ethnic differences remained consistent within socioeconomic categories. For high-SES respondents, the prevalence of FMD was highest among non-Hispanics of other race (7.9%) and AI/ANs (7.7%) and lowest among A/PIs (3.8%). Non-Hispanic whites, non-Hispanic blacks, and Hispanics had intermediate FMD prevalences (4.7%, 6.1%, and 5.9%, respectively) (Figure 2). In all racial/ethnic populations, persons with low SES were at least twice as likely to have FMD as those with high SES.

FMD was more prevalent among women than men in all racial/ethnic populations except A/PIs and AI/ANs (both unadjusted and multivariable-adjusted prevalences) (Table). After multivariable adjustment, prevalence of FMD was highest among women who identified themselves as non-Hispanic of other race (14.3%) and AI/AN (12.5%), followed by women who identified themselves as non-Hispanic white (11.1%), Hispanic (9.5%), non-Hispanic black (9.2%), and A/PI (7.7%). Respondents in all racial/ethnic populations who were

<sup>&</sup>lt;sup>†</sup> Includes persons who did not identify as one of the following racial/ethnic populations: white, non-Hispanic; black, non-Hispanic; Hispanic; Asian/Pacific Islander; or American Indian/Alaska Native. These persons might be of multiple race/ethnicity.

TABLE. Prevalence of frequent mental distress* among adults, by racial/ethnic popula
tion and sex — Behavioral Risk Factor Surveillance System, United States, 1993–2001

		nadjusted 1,272,441)	a	- and sex- djusted <sup>†</sup> 1,259,871)	ad	ivariable- ljusted <sup>§</sup> 1,081,758)
Racial/Ethnic population	%	(95% CI <sup>¶</sup> )	%	(95% CI)	%	(95% CI)
White, non-Hispanic						
Both sexes	8.6	(8.5-8.7)	8.7	(8.6-8.8)	9.4	(9.2-9.6)
Men	6.8	(6.7–6.9)	6.8	(6.7–6.9)	7.5	(7.3–7.6)
Women	10.3	(10.1–10.4)	10.5	(10.4–10.6)	11.1	(11.0-11.3)
Black, non-Hispanic		,		,		· · · ·
Both sexes	10.3	(10.0–10.6)	9.9	(9.6–10.2)	8.0	(7.8-8.2)
Men	8.2	· · · ·	8.0	(7.5–8.4)	6.8	```
Women	11.9	(11.5–12.3)	11.8	(11.4–12.2)	9.2	(8.9–9.6)
Hispanic		,		( , , , , , , , , , , , , , , , , , , ,		· · · ·
Both sexes	10.5	(10.1–10.9)	10.1	(9.7–10.5)	8.4	(8.0-8.8)
Men	8.9	(8.3–9.5)	8.5	(7.9–9.0)	7.1	(6.7–7.6)
Women	12.2	(11.6–12.7)	11.7	(11.2–12.2)	9.5	(9.0–9.9)
Asian/Pacific Islander		,		,		,
Both sexes	6.2	(5.6-6.8)	6.1	(5.6-6.6)	7.5	(6.7-8.3)
Men	5.7	(4.9–6.6)	5.4	(4.6–6.2)	7.0	(6.0-8.1)
Women	6.8	(6.0–7.5)	6.5	(5.8–7.2)	7.7	(6.8-8.6)
American Indian/Alaska Native		. ,		. ,		. ,
Both sexes	14.4	(13.3–15.5)	14.1	(13.0–15.2)	11.4	(10.4–12.4)
Men	12.9	(11.3–14.5)	12.4	(10.9–14.0)	10.1	(8.8–11.4)
Women	16.0	(14.5–17.5)	15.6	(14.1–17.0)	12.5	(11.2–13.8)
Other race, non-Hispanic		,		,		,
Both sexes	12.9	(11.7–14.0)	12.9	(11.7–14.1)	12.3	(11.1–13.5)
Men	10.4	(8.9–12.0)	10.2	(8.7–11.7)	10.2	(8.5–11.8)
Women	15.6	(13.9–17.4)	15.5	(13.7–17.2)	14.3	(12.6–16.0)
Total						
Both sexes	9.0	(8.9–9.1)		—		—
Men	7.2	(7.1–7.3)		—		—
Women	10.6	(10.5–10.7)		—		—

\* Self-reported mental health was not good (e.g., stress, depression, or emotional problems) ≥14 days
 † Adjusted by age and sex for both sexes and adjusted by age for each sex within each racial/ethnic

<sup>1</sup> Adjusted by age and sex for both sexes and adjusted by age for each sex within each racial/ethnic spopulation. <sup>8</sup> Adjusted by age, sex, education, income, marital status, employment status, and health insurance

<sup>a</sup> Adjusted by age, sex, education, income, marital status, employment status, and health insurance status.

<sup>¶</sup>Confidence interval.

younger, female, separated, divorced, widowed, unemployed, or unable to work or who had <\$15,000 annual household income, less than a high school education, or no health insurance reported significantly more FMD.

**Reported by:** HS Zahran, MD, R Kobau, MPH, DG Moriarty, MM Zack, MD, WH Giles, MD, Div of Adult and Community Health; J Lando, MD, National Center for Chronic Disease Prevention and Health Promotion, CDC.

**Editorial Note:** Previous analyses have indicated that poor mental health is more prevalent among certain racial/ethnic minority populations. These differences might be associated with multiple factors (2,6). In this analysis, SES was strongly associated with FMD among all racial/ethnic populations, a finding consistent with previous studies relating SES to poor mental health (4,6–8). SES shapes a person's exposure to psychosocial, environmental, behavioral, and biomedical risk factors that directly and indirectly affect mental health (9).

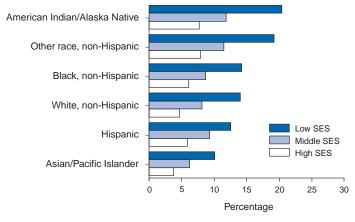
The findings in this report also indicate that racial/ethnic differences in FMD prevalence persisted during 1993-2001. AI/ANs reported the highest prevalence of FMD, whereas A/PIs reported the lowest. The pattern for these two populations persisted after adjustments for age, sex, and the other variables in the model. Non-Hispanic blacks and Hispanics had higher unadjusted FMD percentages than whites; however, whites had higher FMD percentages after multivariable adjustment, suggesting that socioeconomic and other factors accounted for the unadjusted differences.

Among AI/ANs, unhealthy behaviors and comorbidity (e.g., alcoholism and other substance abuse), physical and social environment (e.g., social disadvantage, inadequate schools, and violence), psychosocial and historical factors (e.g., racism, discrimination, and disenfranchisement), and other unmeasured sociodemographic factors might contribute to the disproportionate burden of FMD (2). Among A/PIs, protective factors attenuating FMD and cultural norms and perceptions of stigma inhibiting disclosure of FMD might partly explain lower unadjusted and multivariable-adjusted FMD

prevalence (2). Among all populations, cultural and social contexts can influence mental health and alter the types of mental health services persons seek and receive (2,6).

Although physiologic and social factors unique to women (e.g., pregnancy, care giving, and social roles) might affect FMD in women, men's reluctance to disclose psychological distress also might account for the difference in FMD by sex (2). Moreover, unique social and cultural influences relevant to A/PIs and AI/ANs or low statistical power because of small numbers of respondents might explain the similar FMD prevalence among men and women in these two populations.

The findings in this report are subject to at least five limitations. First, because BRFSS surveys include only noninstitutionalized adults with telephones, persons in institutions and in households without telephones (i.e., populations that might have worse mental health than others) are excluded (6). Because certain racial/ethnic minorities are disproportionately represented in these vulnerable populations, their overall FMD FIGURE 2. Prevalence of frequent mental distress\*, among adults, by racial/ethnic population and socioeconomic status (SES)<sup>†</sup> — Behavioral Risk Factor Surveillance System, United States, 1993–2001



\* Self-reported mental health was not good (e.g., stress, depression, or emotional problems) ≥14 days during the preceding 30 days.

<sup>†</sup>Low SES: Those without a high school diploma or with annual household income of <\$15,000. High SES: Those with a college education and with annual household income of ≥\$50,000. Middle SES: All other respondents.

prevalence likely is underestimated. Second, because states commonly use only English- or Spanish-language surveys, persons who speak another primary language are excluded. Third, because BRFSS is a cross-sectional survey, whether the characteristics studied (e.g., SES and marital status) affect FMD or whether FMD affects these characteristics is uncertain. Fourth, although the characteristics studied explained some of the variability in FMD among racial/ethnic populations, risk behaviors, physical and social environment, psychosocial factors, health conditions, stressful life events, unmeasured socioeconomic factors, and cultural factors might account for additional FMD differences among racial/ethnic populations. Finally, the BRFSS mental health measure was not validated for detection of mental illness with clinical psychiatric examinations.

Unfavorable socioeconomic factors were associated with increased self-reported FMD in all racial/ethnic populations. However, the proportion of persons with low SES differed among racial/ethnic populations. Targeting adverse socioeconomic risk factors, improving access to culturally competent mental health services and social services (e.g., job training programs and educational programs that address stigma), and promoting supportive relationships and social cohesion could decrease FMD among all adults and reduce racial/ethnic disparities in FMD prevalence.

#### Acknowledgments

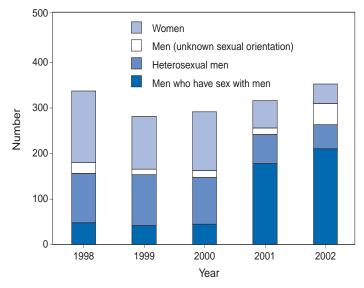
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# Transmission of Primary and Secondary Syphilis by Oral Sex — Chicago, Illinois, 1998–2002

During 1998-2002, the STD/HIV Prevention and Care Program of the Chicago Department of Public Health (CDPH) recorded 1,582 cases of primary and secondary (P&S) syphilis, the most of any U.S. city (1). Although case numbers and overall rates remained stable in Chicago during this period, patterns of transmission changed substantially. Throughout most of the 1990s, P&S syphilis was reported almost exclusively among heterosexuals. During 1998-2000, however, men who have sex with men (MSM) accounted for approximately 15% of Chicago's P&S syphilis morbidity. Since 2001, MSM have accounted for nearly 60% of patients with P&S syphilis (Figure 1). During 2000-2002, CDPH conducted interviews with persons with syphilis; some MSM reported they had engaged in only oral sex and were surprised to have acquired syphilis. In response, CDPH began collecting information on oral sex from persons with syphilis. To assess the role of oral sex in the transmission of P&S syphilis in Chicago, CDPH analyzed surveillance data and interview responses. This report summarizes the results of these analy-



# FIGURE 1. Number of primary and secondary syphilis cases, by sex, sexual orientation, and year — Chicago, Illinois, 1998–2002

ses, which suggested that a substantial proportion (13.7%) of syphilis cases were attributed to oral sex, particularly among MSM. Persons who are not in a long-term monogamous relationship and who engage in oral sex should use barrier protection (e.g., male condoms or other barrier methods) to reduce the risk for sexually transmitted disease (STD) transmission.

CDPH staff interviewed persons with syphilis to ensure adequacy of treatment for patients and their sex partners and to provide STD/human immunodeficiency virus (HIV) education and other testing and treatment services. Interviewers obtained demographic data (i.e., sex, age, race/ethnicity, and sexual orientation) and risk-behavior information (i.e., sexual behavior, number and sex of sex partners, venues for meeting partners, and self-reported HIV status). During the interviewes, CDPH staff determined whether oral sex was the only sexual exposure the patient reported during the period of syphilis acquisition. Persons were asked about the type of sexual contact during the interval in which they likely acquired syphilis. This period usually is considered to be 3 months before treatment for primary syphilis and 6 months for secondary syphilis.

# **Surveillance Data**

During 1998–2002, the number of reported cases of P&S syphilis in Chicago ranged from 338 to 353 cases annually; overall rates per 100,000 population ranged from 11.8 to 12.2. Rates declined 68% among women, from 9.2 to 2.9, and increased 50% among men, from 14.7 to 22.1. Of the 1,582 persons with P&S syphilis, 948 (60%) were heterosexuals, and 524 (33%) were MSM. Approximately 90% of heterosexuals were non-Hispanic black. An estimated 54% of MSM were non-Hispanic white, 26% were non-Hispanic black, and

13% were Hispanic. Rates declined by 31% among non-Hispanic black men and by 67% among non-Hispanic black, non-Hispanic white, and Hispanic women; rates increased among non-Hispanic white and Hispanic men (469% and 462%, respectively) (Figure 2).

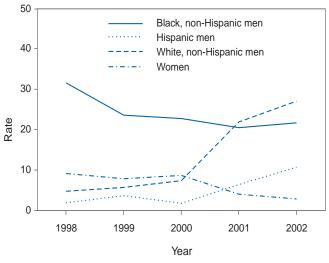
HIV-infection rates for persons with syphilis varied by sex and sexual orientation. In 2001 and 2002, among persons with P&S syphilis, less than 10% of heterosexuals and approximately half of MSM were HIV infected.

## **Interview Data**

During 2000–2002, of 962 persons with P&S syphilis, data were available for 627 (65.2%); 325 (51.8%) were MSM, 157 (25.0%) were heterosexual men, and 145 (23.1%) were heterosexual women. Overall, 86 (13.7%) persons indicated that oral sex was their only sexual exposure during the period they likely acquired syphilis: 66 (20.3%) of 325 MSM, 10 (6.4%) of 157 heterosexual men, and 10 (6.9%) of 145 heterosexual women (p<0.0001) (Table).

During the period of syphilis acquisition among the 325 MSM, oral sex was the only sexual exposure reported by 18 (22.7%) of 79 with primary syphilis, 48 (19.5%) of 246 with secondary syphilis, 36 (21.6%) of 167 with HIV infection, nine (19.6%) of 46 without HIV infection, and 21 (18.7%) of 112 with unknown HIV status. Thirty-three (17.2%) of 192 non-Hispanic white MSM, 16 (30.2%) of 53 Hispanic MSM, and 14 (19.4%) of 72 non-Hispanic black MSM reported having only oral sex during the period in which they likely acquired syphilis. When compared with heterosexual men and women, respectively, MSM were 3.8 and 3.4 times

FIGURE 2. Rate\* of primary and secondary syphilis, by race/ ethnicity, sex, and year — Chicago, Illinois, 1998–2002



\* Per 100,000 population.

TABLE. Number and percentage of persons with primary and secondary syphilis who reported having only oral sex during the period of syphilis acquisition, by selected characteristics — Chicago, Illinois, 2000–2002

		No. indicating	
Characteristic	No.	only oral sex	(%)
MSM*			
Primary syphilis	79	18	(22.7)
Secondary syphilis	246	48	(19.5)
HIV positive	167	36	(21.6)
HIV negative	46	9	(19.6)
Serostatus unknown	112	21	(18.7)
White, non-Hispanic	192	33	(17.2)
Hispanic	53	16	(30.2)
Black, non-Hispanic	72	14	(19.4)
Total	325	66	(20.3)
Heterosexual men			
Primary syphilis	53	4	(7.5)
Secondary syphilis	104	6	(5.8)
HIV positive	8	0	(0)
HIV negative	53	2	(3.8)
Serostatus unknown	96	8	(8.3)
Total	157	10	(6.4)
Women			
Primary syphilis	12	0	(0)
Secondary syphilis	133	10	(7.5)
HIV positive	5	0	(0)
HIV negative	56	3	(5.3)
Serostatus unknown	84	7	(8.3)
Total	145	10	(6.9)
Total	627	86	(13.7)

\* Men who have sex with men.

more likely to report only oral sex during the period of syphilis acquisition.

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Editorial Note: The findings in this report suggest that during 2000–2002, 13.7% of P&S syphilis cases in Chicago were attributed to oral sex, including 20.3% of cases among MSM. Other reports also have associated oral sex with transmission of syphilis (2); one third of MSM who were involved in syphilis outbreaks in Brighton and Manchester, United Kingdom, acquired syphilis through oral sex (3). Syphilitic lesions develop at the site of syphilis infection within 10-90 days (median: 21 days), and lesions on the lips, tongue, and oral mucosa have been commonly described. During the secondary stage of syphilis, mucous patches, which have high concentrations of Treponema pallidum and are extremely infectious, might develop in the mouth. Syphilis in the oral cavity often is asymptomatic or subclinical and can be mistaken by patients for apthous ulcers or herpes, thereby delaying curative treatment and allowing ongoing transmission.

Because the risk for HIV transmission through oral sex is much lower than the risk through anal or vaginal sex (4), persons might mistakenly consider unprotected oral sex (i.e., with-

out a condom) to be a safe or no-risk sexual practice and adopt oral sex as a replacement for higher-risk behaviors. Condoms rarely are used for oral sex. Of an estimated 1,000 MSM in Chicago who stated that they had engaged in oral sex during the preceding 60 days, more than 75% never used condoms for either oral insertive or oral receptive sex (CDPH, unpublished data, 2003). Oral syphilitic lesions disrupt the protective epithelial barrier and recruit HIV target cells, increasing the risk for HIV transmission (5). Although oral sex might carry a lower risk for transmitting HIV than other forms of sex, repeated unprotected exposures, especially in the presence of syphilitic lesions, represent a substantial risk for HIV transmission. Syphilis might also increase progression of HIV disease (6,7).

The findings in this report are subject to at least one limitation. The data might underestimate the role of oral sex in syphilis transmission because most persons who reported engaging in anal and vaginal sex also reported engaging in oral sex. Transmission was attributed to oral sex in only the 14% of cases in which oral sex was the only sexual exposure reported during the interval when syphilis likely was acquired.

Some men who engaged in only oral sex believed that they were practicing safe sex and were surprised when they received a syphilis diagnosis. These data underscore the need for educating sexually active persons regarding the risk for syphilis transmission through oral sex. That syphilis might hasten the progression of HIV disease should provide a further motivation for MSM, especially HIV-infected MSM, to avoid syphilis acquisition. Persons who are not in a long-term monogamous relationship and who engage in oral sex should use barrier protection (e.g., male condoms or other barrier methods) to reduce the risk for STD and HIV transmission.

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# Postexposure Prophylaxis, Isolation, and Quarantine To Control an Import-Associated Measles Outbreak — Iowa, 2004

On March 12, 2004, a college student infectious with measles returned to Iowa from India by a commercial airliner (I); the case was subsequently linked to two other measles cases. This report updates information about this outbreak and provides details regarding vaccination, quarantine, and other measures used by Iowa public health authorities to interrupt disease transmission in a vulnerable population. The effective uses of quarantine and isolation during the outbreak underscore the utility of these public health tools in halting communicable disease transmission.

Immediately after being notified of the measles case, the Iowa Department of Public Health (IDPH) and local health departments in Iowa began using media releases, passenger lists, and interviews with the infected student to identify and contact persons potentially exposed to measles. Susceptible contacts (i.e., persons exposed and not fully vaccinated) were offered postexposure prophylaxis (PEP), either measlesmumps-rubella (MMR) vaccination within 72 hours of exposure or immune globulin (IG) within 6 days of exposure. Approximately 10 days later, measles cases were identified in two other Iowa residents: 1) a fellow airline passenger who previously had received two MMR vaccinations and 2) an unvaccinated close contact who had received postexposure MMR vaccination approximately 26 hours after contact with the first patient. Contacts of these two patients also were identified and offered PEP if they were deemed susceptible to measles infection. In public health immunization clinics specifically organized to vaccinate persons who had been exposed to measles, approximately 175 persons received postexposure MMR vaccination, and 20 received postexposure IG.

All three patients, who were moderately ill, were placed in voluntary isolation, which IDPH and local health departments monitored with home visits and telephone calls. Two susceptible health-care workers, who were exposed when the second patient sought medical care and who did not receive PEP within the recommended period, were placed in voluntary quarantine for 2 weeks, during which they did not leave their homes.

Two of the three measles patients were part of an insular community (estimated population: 2,000–3,000) with low vaccination rates (i.e., the community's K–12 school had a vaccination rate of 59% for vaccines required for school entry, including MMR). Community members held daily gatherings that provided opportunities for measles transmission to susceptible persons. PEP was offered to all susceptible persons in the community, and 56 accepted. Seven persons who

had potentially been exposed to measles refused PEP, even though they were aware of the potential for being quarantined. Initially, all seven agreed to be quarantined in lieu of receiving vaccine, but because of their subsequent unwillingness to comply with voluntary quarantine, all seven were served by the local public health nurse with state-issued involuntary home quarantine orders, some with the assistance of local law enforcement officers. (Examples of Iowa's quarantine orders are available at http://www.idph.state.ia.us/adper/cade.asp.) Although none reported a history of full vaccination or symptomatic measles, within days of being quarantined, four of the seven were determined serologically to be immune and were released from quarantine; the other three completed their 2-week quarantine.

IDPH and the local health department monitored compliance with quarantine orders with at least daily unannounced home visits or telephone calls and released the persons from quarantine via oral communication. In the future, because of confusion about the exact time of day the quarantine should end, written releasefrom-quarantine notices will be served. No known breaks in quarantine occurred. None of those persons in quarantine acquired measles. No additional cases were reported.

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Editorial Note: Use of vaccination, both pre- and postexposure, is the most common and preferred strategy for preventing transmission of measles (2). During this outbreak, Iowa public health officials first offered timely postexposure vaccination to susceptible persons who had close contact with a person infected with measles. However, when postexposure vaccination was refused, quarantine was used to reduce the risk of further transmission of measles to a vulnerable population.

An essential public health tool, rarely used in the last half century in the United States, quarantine is often confused with isolation, which is the restriction of movement of persons who are known to be infected with a communicable disease and who often are symptomatic. Quarantine reduces the risk of exposure to disease by separating and restricting the movement of persons who are not yet ill but who have been exposed to an infectious agent and might become infectious. Quarantine is more difficult to implement than isolation because the persons under quarantine are not symptomatic and thus have greater difficulty understanding the need for staying at home when compared with ill persons who need to be isolated. Before antibiotics and vaccines, quarantine was used when direct medical countermeasures were not routinely available. However, quarantine often was implemented in a manner that equated disease with crime; consequently, quarantine acquired negative connotations associated with stigma and discrimination. For quarantine to be an effective and acceptable public health tool, these negative connotations must be overcome by applying the measure equally and fairly among all persons who have been exposed, and by using other approaches. These include providing education about the rationale for using quarantine; offering acceptable alternatives to quarantine, when feasible, such as postexposure vaccination or obtaining serologic proof of immunity; and applying due process measures, such as written notice and opportunities to appeal.

The use of quarantine to address public health problems demands a balancing of individual civil liberties with the collective needs of the public's health. Additional focus on the health, welfare, and social needs of persons subjected to quarantine is required. During the 2003 epidemic of severe acute respiratory syndrome (SARS), CDC listed 10 principles for modern quarantine (Box 1) (3, 4).

In the United States, as in most countries of the world, government has the duty and legal power to address risks associated with persons whose freedom of movement might endanger the public's health. Under circumstances described in federal statute\*, the U.S. government has the authority to detain persons for the control of communicable diseases. In particular, the U.S. government has the authority to isolate and quarantine persons to control the spread of selected communicable diseases specified by presidential executive order (5,6). In addition, all 50 states and the District of Columbia have the authority to detain persons under their own quarantine laws. In the event of an epidemic resulting from natural transmission or from deliberate introduction, both state and federal quarantine laws could be invoked to stem the spread of disease.

After the events of September 11, 2001, and in response to the draft Model State Emergency Health Powers Act (7), Iowa lawmakers reviewed the state's legal authority for public health emergency preparedness and response. In 2003, as a result of this review, the Iowa state legislature enacted new laws related to public health disaster preparedness. The new legislation included a provision authorizing IDPH to order quarantine in the event of a public health disaster<sup>†</sup>. To implement this legislation and preexisting laws authorizing quarantine in nondisaster situations, IDPH adopted administrative rules governing the quarantine process. These rules became effective on March 10, 2004, only 2 days before the measlesinfected student returned home to Iowa. Although the measles

#### BOX 1. Ten principles of modern quarantine

Modern quarantine is a collective action for the common good predicated on aiding persons infected or exposed to infectious agents while protecting others from the dangers of inadvertent exposure.

- 1. Used when exposed to highly dangerous and contagious diseases, when resources are available to implement and maintain, and when less restrictive means cannot accomplish the public health objectives.
- 2. Encompasses a wide range of strategies, from passive self-monitoring for symptoms to use of barriers limiting entry and exit to authorized persons.
- 3. Used in combination with other interventions and countermeasures to ensure that persons in quarantine or isolation are among the first to receive all supportive interventions available.
- 4. Ensures rapid isolation of infectious persons and separation from those merely exposed.
- 5. Lasts only as long as necessary to achieve epidemic control but no longer than the disease incubation period.
- 6. Does not have to be absolute to be effective; therefore, favors voluntary over compulsory approaches.
- 7. More likely to involve limited numbers of exposed persons in small areas than in a widespread geographic locale.
- 8. Requires clear understanding of the roles of jurisdictions and legal authorities.
- 9. Requires coordination and planning with multiple partners.
- 10. Requires education, trust, and participation of the general public.

outbreak did not constitute a public health disaster under the 2003 statute, the state used the new quarantine process as outlined in its administrative rules to assist in containing the outbreak.

In 2003, the SARS outbreak triggered the widest use of quarantine globally since the influenza pandemic of 1917. Largely voluntary quarantine was used in Canada to keep approximately 20,000 persons in their homes for 10 days (8). For 27 persons who refused voluntary quarantine, public health officials issued legally enforceable quarantine orders. In certain cities in Asia (e.g., Beijing, Hong Kong, Singapore, and Taipei), quarantine authority was used to order thousands of persons to remain in their homes, an intervention that has been credited with helping to contain the outbreak (3). Although SARS did not spread within the United States, certain jurisdictions used quarantine authority to minimize the risk of spreading the virus (e.g., via unprotected health-care workers exposed to infectious SARS patients).

<sup>\*42</sup> U.S.C. § 264.

<sup>&</sup>lt;sup>†</sup> Iowa Code section 135.144 (2003 Suppl.), 139A.4, 139A.9, and 641 Iowa Administrative Code chapter 1.

The scope and specifics of laws authorizing quarantine vary substantially by state. States that have not reviewed their quarantine laws might consider doing so by using a systematic approach covering essential features (e.g., quarantine, jurisdictional aspects, and due process) (Box 2). State and local health officials also might consider reviewing quarantinerelated laws with their agencies' legal counsels, in coordination with law enforcement officials and the judiciary.

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# BOX 2. Essential questions to review regarding quarantine authority

#### Quarantine authority

- Who may declare a quarantine?
- Does a list of specific diseases exist for which a person can be guarantined?
- What is the process of initiating a quarantine?
- What is the penalty for violating a quarantine?
- How is the quarantine enforced?
- Is area quarantine authorized by law?
- Is group quarantine authorized by law?

#### Jurisdictional considerations

- Does the law clarify the relation between state and local jurisdictions in guarantine situations?
- Does the law clarify the coordination of quarantine authority among local jurisdictions?
- Does the law place any restrictions on coordination of quarantine authority between this state and the federal government?

#### Due process considerations

- What legal provisions exist for notice, hearing, consolidation of petitions, and legal representation?
- What provisions address confidentiality?
- Does the law contain any provisions addressing the use of habeas corpus?

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# West Nile Virus Activity — United States, October 13–19, 2004

During October 13–19, a total of 200 cases of human West Nile virus (WNV) illness were reported from 20 states (Arizona, Arkansas, California, Colorado, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Mississippi, Missouri, Nevada, New Mexico, North Carolina, Oklahoma, Pennsylvania, South Dakota, Wisconsin, and Wyoming).

During 2004, a total of 40 states and the District of Columbia (DC) have reported 2,151 cases of human WNV illness to CDC through ArboNET (Table and Figure). Of these, 687 (32%) cases were reported in California, 378 (18%) in Arizona, and 276 (13%) in Colorado. A total of 1,232 (58%) of the 2,118 cases for which such data were available occurred in males; the median age of patients was 52 years (range: 1 month–99 years). Date of illness onset ranged from April 23 to October 6; a total of 68 cases were fatal.

A total of 191 presumptive West Nile viremic blood donors (PVDs) have been reported to ArboNET in 2004. Of these, 70 (37%) were reported in California; 37 (19%) in Arizona; 16 in Texas; 15 in New Mexico; seven each in Colorado and Louisiana; six in Oklahoma; five in Nevada; four in Georgia; three each in Florida, Michigan, and South Dakota; two each in Minnesota, Mississippi, Missouri, and Wisconsin; and one each in Delaware, Iowa, Nebraska, New Jersey, North Dakota, Oregon, and Pennsylvania. Of the 191 PVDs, three persons aged 35, 69, and 77 years subsequently had neuroinvasive illness, and 45 persons (median age: 52 years; range: 17–73 years) subsequently had West Nile fever.

In addition, during 2004, a total of 5,073 dead corvids and 1,263 other dead birds with WNV infection have been reported from 45 states and New York City. WNV infections have been reported in horses in 36 states; one bat in Wisconsin; seven dogs in Nevada, New Mexico, and Wisconsin; six squirrels in Arizona and Wyoming; and 13 unidentified animal species in eight states (Arizona, Idaho, Illinois, Iowa, Missouri, Nevada, New York, and South Carolina). WNV seroconversions have been reported in 1,195 sentinel chicken flocks in 13 states (Alabama, Arizona, Arkansas, California,

TABLE. Number	of human	cases	of West	Nile	virus	(WNV)
illness. by area -	– United S	tates. 2	004*			

inness, by area	Neuro-	West	Other	Total	
Area	invasive disease <sup>†</sup>	Nile fever§	clinical/ unspecified <sup>¶</sup>	reported to CDC**	Deaths
Alabama	13	0	0	13	0
Arizona	128	70	180	378	9
Arkansas	12	9	1	22	0
California	142	242	303	687	20
Colorado	39	237	0	276	3
Connecticut	0	1	0	1	0
District of Columbia	a 1	0	0	1	0
Florida	30	5	0	35	1
Georgia	11	5	0	16	0
Idaho	0	0	2	2	0
Illinois	28	27	1	56	2
Indiana	5	0	2	7	1
lowa	10	7	2	19	1
Kansas	19	25	0	44	2
Kentucky	1	5	0	6	0
Louisiana	55	15	0	70	3
Maryland	6	5	1	12	0
Michigan	8	1	0	9	0 0
Minnesota	13	20	õ	33	2
Mississippi	23	5	1	29	3
Missouri	24	7	1	32	1
Montana	1	3	1	5	0
Nebraska	2	20	0	22	0
Nevada	25	19	0	44	0
New Jersey	1	0	0	1	0
New Mexico	29	46	4	79	4
New York	3	2	4 0	5	0
North Carolina	3	0	0	3	0
North Dakota	2	18	0	20	1
Ohio	7	10	0	8	2
Oklahoma	9	6	0	15	2
Oregon	0	1	0	1	0
Pennsylvania	7	3	1	11	1
South Carolina	0	1	0	1	0
South Dakota	5	44	0	49	1
	9	44		49 10	
Tennessee	9 75	20	0 0	95	0 8
Texas					
Utah	5 4	5	0	10	0
Virginia	-	0	1	5	1
Wisconsin	4	6	0	10	1
Wyoming	2	5	2	9	0
Total	761	887	503	2,151	68

\* As of October 19, 2004.

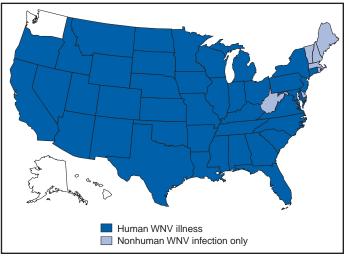
<sup>†</sup> Cases with neurologic manifestations (i.e., West Nile meningitis, West Nile encephalitis, and West Nile myelitis).

§ Cases with no evidence of neuroinvasion.

<sup>¶</sup> Illnesses for which sufficient clinical information was not provided.

\*\* Total number of human cases of WNV illness reported to ArboNet by state and local health departments.

Delaware, Florida, Iowa, Louisiana, Nebraska, Nevada, Pennsylvania, South Dakota, and Utah) and in 25 wild hatchling birds in Missouri and Ohio. Four seropositive sentinel horses were reported in Minnesota and Puerto Rico. A total of 7,262 WNV-positive mosquito pools have been reported in 38 states, DC, and New York City. FIGURE. Areas reporting West Nile virus (WNV) activity — United States, 2004\*



\* As of 3 a.m., Mountain Standard Time, October 19, 2004.

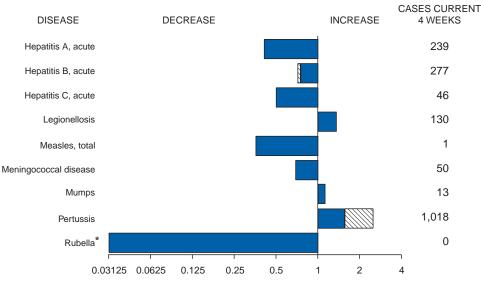
Additional information about national WNV activity is available from CDC at http://www.cdc.gov/ncidod/dvbid/ westnile/index.htm and at http://westnilemaps.usgs.gov.

#### Notice to Readers

# Availability of 24-Hour Clinician Information Line and Addition of Topics

CDC's Clinician Information Line (CIL) announces the addition of three topics — mass trauma, bovine spongiform encephalopathy (BSE)/variant Creutzfeldt-Jakob disease (vCJD), and viral hemorrhagic fevers — to its expanding list of disease topics. The line now covers 16 topics: smallpox, influenza/avian influenza, ricin, severe acute respiratory syndrome, radiation, West Nile virus, chlorine, anthrax, botulism, plague, nerve agents, tularemia, viral hemorrhagic fevers, hurricane recovery, mass trauma, and BSE/vCJD. Clinicians with questions relating to any of these topics can reach CIL at telephone 877-554-4625 (toll-free).

CIL was established by CDC in 2003 to rapidly disseminate information to clinicians. The hotline, available 24 hours a day, 7 days a week, is staffed by registered nurses who have access to the latest CDC guidelines and information. The nurses use these guidelines to address emergency preparedness concerns and answer specific questions about emerging diseases. In addition, CIL nurses can connect callers to their local and state public health departments in real time. CIL nurses interact with CDC staff and subject matter specialists to obtain the most up-to-date information. Additional information is available at http://www.bt.cdc.gov/coca.



# FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals October 16, 2004, with historical data

Ratio (Log scale)<sup>†</sup>

Beyond historical limits

\* No rubella cases were reported for the current 4-week period yielding a ratio for week 41 of zero (0). \* Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area

begins is based on the mean and two standard deviations of these 4-week totals.

#### TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending October 16, 2004 (41st Week)\*

	Cum. 2004	Cum. 2003		Cum. 2004	Cum. 2003
Anthrax	-	-	HIV infection, pediatric <sup>+1</sup>	126	166
Botulism:	-	-	Influenza-associated pediatric mortality	-	NA
foodborne	11	9	Measles, total	24**	51††
infant	60	54	Mumps	150	170
other (wound & unspecified)	9	23	Plague	1	1
Brucellosis <sup>†</sup>	81	77	Poliomyelitis, paralytic	-	-
Chancroid	27	47	Psittacosis <sup>†</sup>	9	9
Cholera	4	1	Q fever <sup>†</sup>	58	56
Cyclosporiasis <sup>†</sup>	200	59	Rabies, human	5	2
Diphtheria	-	-	Rubella	10	7
Ehrlichiosis:	-	-	Rubella, congenital syndrome	-	1
human granulocytic (HGE) <sup>†</sup>	237	247	SARS-associated coronavirus diseaset §§	-	8
human monocytic (HME) <sup>†</sup>	226	205	Smallpox <sup>†</sup> ¶	-	NA
human, other and unspecified	26	38	Staphylococcus aureus:	-	-
Encephalitis/Meningitis:	-	-	Vancomycin-intermediate (VISA) <sup>†</sup> ¶	-	NA
California serogroup viral <sup>†§</sup>	67	104	Vancomycin-resistant (VRSA)† 1	1	NA
eastern equine <sup>† §</sup>	3	13	Streptococcal toxic-shock syndrome <sup>†</sup>	84	133
Powassan <sup>†§</sup>	-	-	Tetanus	11	15
St. Louis <sup>†§</sup>	8	39	Toxic-shock syndrome	103	99
western equine <sup>†§</sup>	-	-	Trichinosis	4	1
Hansen disease (leprosy) <sup>†</sup>	63	68	Tularemia <sup>†</sup>	63	69
Hantavirus pulmonary syndrome <sup>†</sup>	17	18	Yellow fever	-	-
Hemolytic uremic syndrome, postdiarrheal <sup>†</sup>	113	129			

-: No reported cases.

\* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date).

Not notifiable in all states.

Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Infectious Diseases (ArboNet Surveillance).

<sup>1</sup> Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update September 26, 2004.

\*\* Of 24 cases reported, 11 were indigenous, and 13 were imported from another country.

<sup>++</sup> Of 51 cases reported, 31 were indigenous, and 20 were imported from another country.

<sup>\$§</sup> Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (notifiable as of July 2003). <sup>¶</sup> Not previously notifiable.

(41st Week)*					-			·		
	AID	S	Chlan	nydia⁺	Coccidiod	lomycosis	Cryptosp	oridiosis		s/Meningitis t Nile <sup>§</sup>
Reporting area	Cum. 2004 <sup>1</sup>	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003
UNITED STATES		33,700	685,609	676,937	4,526	2,884	2,571	2,685	761	2,804
NEW ENGLAND	981	1,150	24,023	21,908	-	-	145	158	-	26
Maine N.H.	15 37	49 25	1,626 1,338	1,571 1,243	N	N _	18 27	18 18	-	- 2
Vt. Mass.	14 343	14 476	806 10,824	831 8,742	-	-	21 49	28 68	-	- 12
R.I.	109	82	2,676	2,327	-	-	4	12	-	4
Conn.	463	504	6,753	7,194	Ν	Ν	26	14	-	8
MID. ATLANTIC Upstate N.Y.	6,925 724	8,025 740	83,882 17,556	84,075 15,494	N	N	371 99	334 96	11 1	218
N.Y. City N.J.	3,949 1,140	4,369 1,259	25,829 12,318	27,264 12,471	-	-	82 25	97 14	2 1	56 21
Pa.	1,140	1,657	28,179	28,846	N	N	165	127	7	141
E.N. CENTRAL	2,742	3,195	115,962	123,068	14	7	760	819	52	150
Ohio Ind.	525 300	640 428	26,211 14,534	34,281 13,596	N N	N N	194 77	117 77	7 5	84 15
III. Mich.	1,290 493	1,472 509	32,418 29,066	37,660 23,918	- 14	- 7	69 130	83 107	28 8	30 14
Wis.	134	146	13,733	13,613	-	-	290	435	4	7
W.N. CENTRAL	641	631 123	42,224	39,191	5 N	2 N	295	473 128	75 13	690
Minn. Iowa	152 50	67	7,213 5,293	8,476 4,003	N	N	105 68	97	10	48 80
Mo. N. Dak.	277 14	304 3	16,601 1,229	14,242 1,234	3 N	1 N	56 10	37 11	24 2	36 94
S. Dak.	8	8	2,001	2,027	-	-	33	35	5	151
Nebr.** Kans.	41 99	42 84	4,046 5,841	3,667 5,542	2 N	1 N	23	19 146	2 19	192 89
S. ATLANTIC	9,492	9,302	136,479	127,227		4	428	289	55	178
Del. Md.	121 1,252	183 1,147	2,289 14,931	2,333 12,894	N	N 4	- 14	4 20	- 6	11 48
D.C. Va.	621 513	807 699	2,572 17,814	2,442 14,965	-	-	12 49	9 36	1 4	3 19
W.Va.	67	71	2,238	2,067	Ν	N	4	4	-	1
N.C. S.C.**	482 535	886 615	22,926 15,847	19,961 11,558	N	N _	65 15	37 7	3	16 2
Ga. Fla.	1,327 4,574	1,499 3,395	25,317 32,545	28,032 32,975	N	- N	160 109	94 78	11 30	23 55
E.S. CENTRAL	1,528	1,491	44,330	43,953	4	1	105	106	46	85
Ky. Tenn.**	187 617	141 644	4,494	6,407	N	N N	37	21 34	1	11 21
Ala.**	360	344	17,528 9,273	15,995 11,578	-	-	28 20	41	13	25
Miss.	364	362	13,035	9,973	4	1	21	10	23	28
W.S. CENTRAL Ark.	3,581 174	3,354 146	85,233 5,763	83,440 6,228	2 1	-	73 14	90 16	151 12	585 23
La. Okla.	719 154	444 162	17,750 8,679	15,659 9,268	1 N	- N	3 17	3 12	55 9	84 56
Tex.**	2,534	2,602	53,041	52,285	-	-	39	59	75	422
MOUNTAIN	1,178 6	1,248 11	38,435 1,756	38,120 1,500	2,912 N	1,918 N	141 34	112 17	229 1	870 75
Mont. Idaho	15	21	2,192	1,919	N	N	23	26	-	-
Wyo. Colo.	16 257	5 313	830 9,447	763 10,191	2 N	1 N	3 47	4 29	2 39	92 620
N. Mex.	152 437	96 534	4,333 12,692	5,874 10,489	18	7	11 17	9 5	29	74 7
Ariz. Utah	53	52	2,834	2,942	2,809 32	1,872 7	4	15	128 5	-
Nev.	242	216	4,351	4,442	51	31	2	7	25	2
PACIFIC Wash.	4,052 313	5,304 365	115,041 13,801	115,955 12,992	1,589 N	952 N	252 36	304 43	142	2
Oreg. Calif.	239 3,357	202 4,640	6,548 87,698	5,834 89,878	- 1,589	- 952	29 185	35 225	- 142	- 2
Alaska	39	15	2,914	2,993	-,003	- 352	-	1	-	-
Hawaii Guam	104 2	82 5	4,080	4,258 493	-	-	2	-	-	-
P.R.	595	851	2,701	1,970	N	N	N	N	-	-
V.I. Amer. Samoa	10 U	29 U	143 U	331 U	Ū	- U	U	Ū	U	- U
C.N.M.I.	2	U	32	U	-	U	-	U	-	U

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending October 16, 2004, and October 11, 2003 (41st Week)\*

N: Not notifiable.

N: Not notifiable. U: Unavailable. -: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. \* Incidence data for reporting years 2003 and 2004 are provisional and cumulative (year-to-date). † Chlamydia refers to genital infections caused by *C. trachomatis.* § Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Infectious Diseases (ArboNet Surveillance). ¶ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update September 26, 2004.

\*\* Contains data reported through National Electronic Disease Surveillance System (NEDSS).

## **MMWR**

(41st Week)*	-									
		Escher	<i>ichia coli</i> , Ente	rohemorrhagio	: (EHEC)					
			-	n positive,	Shiga toxi					
		7:H7	<u> </u>	o non-0157	not sero		Giard			orrhea
Reporting area	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003
UNITED STATES	1,874	1,970	182	189	130	126	13,592	14,787	242,632	258,797
NEW ENGLAND	125	124	43	35	16	12	1,279	1,206	5,619	5,716
Maine	10	10	-	-	-	-	103	145	179	152
N.H. Vt.	15 10	15 15	5	3	-	-	32 136	30 96	98 67	95 68
Mass.	53	53	13	8	16	12	584	608	2,553	2,275
R.I. Conn.	8 29	1 30	1 24	- 24	-	-	101 323	84 243	666 2,056	768 2,358
MID. ATLANTIC	221	205	26	18	28	31	2,928	2,960	26,876	32,294
Upstate N.Y.	101	73	13	9	12	15	1,047	804	5,646	6,043
N.Y. City N.J.	32 32	7 29	- 4	- 2	- 5	-	782 298	960 404	8,138 4,796	10,704 6,406
Pa.	56	96	9	7	11	16	801	792	8,296	9,141
E.N. CENTRAL	340	461	35	28	24	16	1,913	2,561	48,366	54,933
Ohio Ind.	81 47	86 70	10	15	18	16	647	709	13,395 5,300	18,071 5,248
III.	49	107	1	2	1	-	338	760	14,181	16,969
Mich. Wis.	69 94	73 125	7 17	- 11	5	-	565 363	595 497	11,970 3,520	10,205 4,440
W.N. CENTRAL	388	333	25	39	14	18	1,449	1,592	13,405	13,673
Minn.	101	113	13	17	1	1	590	579	2,262	2,358
lowa Mo.	115 67	76 66	- 11	- 12	- 7	- 1	237 420	221 407	938 7,090	1,007 6,802
N. Dak.	13	10	-	4	6	7	20	32	87	67
S. Dak. Nebr.	30 60	22 21	- 1	4 2	-	-	50 114	61 112	223 811	170 1,225
Kans.	2	25	-	-	-	9	18	180	1,994	2,044
S. ATLANTIC	139	119	30	37	37	34	2,196	2,112	61,811	63,366
Del. Md.	2 20	7 12	N 3	N 3	N 1	N 1	39 86	39 89	708 6,391	901 6,114
D.C.	1	1	-	-	-	-	52	37	1,951	1,935
Va. W.Va.	31 2	32 3	10	10	-	-	400 28	266 33	7,007 747	6,986 687
N.C.	-	-	-	-	25	26	N	N	12,189	11,510
S.C. Ga.	7 20	1 25	- 11	- 5	-	-	51 647	119 689	7,741 11,100	6,822 13,890
Fla.	56	38	6	19	11	7	893	840	13,977	14,521
E.S. CENTRAL	73	68	3	2	9	5	309	300	19,286	21,961
Ky. Tenn.	22 31	23 29	2 1	2	6 3	5	N 158	N 133	2,030 6,579	2,847 6,645
Ala.	13	12	-	-	-	-	151	167	5,638	7,399
Miss.	7	4	-	-	-	-	-	-	5,039	5,070
W.S. CENTRAL Ark.	63 11	73 9	2 1	4	2	4	253 97	236 124	32,812 2,884	34,587 3,312
La.	3	3	-	-	-	-	36	9	8,286	9,024
Okla. Tex.	16 33	22 39	- 1	- 4	- 2	- 4	116 4	103	3,689 17,953	3,791 18,460
MOUNTAIN	203	245	17	23	2	6	1,201	1,259	8,339	8,224
Mont.	14	13	-	-	-	-	59	86	51	84
Idaho Wyo.	43 8	58 2	9 1	15	-	-	143 21	163 20	73 48	58 33
Colo.	44	57	2	3	-	6	416	363	2,077	2,288
N. Mex. Ariz.	9 20	10 28	2 N	4 N	- N	N	55 140	42 201	603 3,076	958 2,922
Utah	46	56	2	-	-	-	268	273	442	2,922
Nev.	19	21	1	1	-	-	99	111	1,969	1,586
PACIFIC Wash.	322 121	342 89	1	3 1	-	-	2,064 296	2,561 278	26,118 2,112	24,043 2,179
Oreg.	58	89	1	2	-	-	360	340	954	795
Calif.	134	154	-	-	-	-	1,278	1,803	21,655	19,704
Alaska Hawaii	1 8	4 6	-	-	-	-	67 63	71 69	436 961	434 931
Guam	Ν	Ν	-	-	-	-	-	2	-	53
P.R.	-	1	-	-	-	-	85	224	202	210
V.I. Amer. Samoa	Ū	U	U	U	U	U	Ū	U	49 U	70 U
C.N.M.I.	-	U	-	U	-	U	-	U	3	U

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending October 16, 2004, and October 11, 2003 (41st Week)\*

## **MMWR**

(41st Week)*	-									
				Haemophilus	<i>influenzae</i> , inv	asive			Нер	atitis
	All	ages			Age <5	years			(viral, acu	te), by type
		rotypes	-	ype b	Non-ser	otype b		n serotype		A
Reporting area	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003
UNITED STATES	1,440	1,486	10	2000	78	93	141	164	4,334	5,432
NEW ENGLAND	124	106	1	2	5	5	3	3	837	256
Maine	12	4	-	-	-	-	-	1	11	11
N.H. Vt.	16 6	12 7	-	1	2	-	- 1	-	17 8	15 6
Mass.	50	49	1	1	-	5	2	1	720	140
R.I. Conn.	3 37	6 28	-	-	- 3	-	-	1	20 61	12 72
MID. ATLANTIC	297	319	-	1	4	3	32	40	508	1,040
Upstate N.Y. N.Y. City	98 60	115 55	-	1	4	3	5 11	8 11	80 198	99 367
N.J.	61	57	-	-	-	-	3	8	101	175
Pa.	78	92	-	-	-	-	13	13	129	399
E.N. CENTRAL Ohio	222 83	248 59	-	3	6 2	4	34 14	45 11	445 40	510 95
Ind.	40	41	-	-	4	-	1	5	85	54
III. Mich.	50 18	89 21	-	- 3	-	- 4	11 6	20 1	154 125	153 166
Wis.	31	38	-	-	-	-	2	8	41	42
W.N. CENTRAL	80	91	2	1	3	7	8	12	124	142
Minn. Iowa	40 1	37	1	1	3	7	1	2	31 41	37 24
Mo.	28	35	-	-	-	-	6	9	37	44
N. Dak. S. Dak.	3	2 1	-	-	-	-	-	-	1 3	-
Nebr.	8	2	-	-	-	-	1	-	10	12
Kans.	-	14	-	-	-	-	-	1	1	25
S. ATLANTIC Del.	364	323	-	1	21	13	29	18	849 5	1,366 7
Md.	50	74	-	-	4	5	-	1	90	136
D.C. Va.	- 30	1 40	-	-	-	-	- 1	- 5	7 102	31 76
W.Va. N.C.	14 46	14 36	-	-	1 6	- 3	3 1	- 2	6 77	13 74
S.C.	4	5	-	-	-	-	-	1	24	34
Ga. Fla.	123 97	60 93	-	- 1	- 10	- 5	22 2	6 3	304 234	655 340
E.S. CENTRAL	59	69	1	1	-	3	8	8	137	225
Ky.	5	6	-	-	-	2	-	-	29	28
Tenn. Ala.	38 13	40 21	- 1	- 1	-	1	6 2	5 3	79 7	161 22
Miss.	3	2	-	-	-	-	-	-	22	14
W.S. CENTRAL	60	68	1	2	7	10	1	4	314	519
Ark. La.	2 11	6 20	-	-	-	1 2	- 1	- 4	54 40	25 39
Okla.	46	39	-	-	7	7	-	-	19	13
Tex. MOUNTAIN	1	3	1	2	-	-	-	-	201	442
Mont.	160	136	3	6	24	22	19	15	379 5	392 8
ldaho Wyo.	5 1	4 1	-	-	-	-	2 1	1	19 5	12 1
Colo.	40	31	-	-	-	-	5	6	45	58
N. Mex. Ariz.	31 59	15 64	-	- 6	7 12	4 9	5 2	1 4	18 230	18 219
Utah	12	11	2	-	2	5	3	3	45	31
Nev.	12	10	1	-	3	4	1	-	12	45
PACIFIC Wash.	74 3	126 10	2 2	4	8	26 6	7 1	19 3	741 50	982 51
Oreg.	38	32	-	-	-	-	3	2	58	49
Calif. Alaska	21 4	55 18	-	4	8	20	1	9 5	607 5	863 8
Hawaii	8	11	-	-	-	-	1	-	21	11
Guam	-	-	-	-	-	-	-	-	-	2
P.R. V.I.	-	-	-	-	-	-	-	-	20	62
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	-	U	-	U	-	U

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending October 16, 2004, and October 11, 2003 (41st Week)\*

976

Impact (viri), avec, by vige -         Lyne disease           Reporting area         Lyne disease           Reporting area         Lyne disease           Reporting area         Lyne disease           Number of the second area         Lyne disease           Numer of the second area <th colsp<="" th=""><th>(41st Week)*</th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th><th></th><th></th></th>	<th>(41st Week)*</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th></th> <th></th>	(41st Week)*						-				
Curr.         Curr. <th< th=""><th></th><th></th><th></th><th></th><th>-</th><th>Legio</th><th>nellosis</th><th>Lister</th><th>iosis</th><th>Lvme di</th><th>isease</th></th<>					-	Legio	nellosis	Lister	iosis	Lvme di	isease	
UNITED STATES         4.918         5.537         682         6.85         1.432         1.697         498         540         11.770         116.852           Maine         279         2.83         9         7         46         91         31         38         133         131           Maine         30         1770         1         4         7         4         6         3         331         131         1         1         1770         16.852         331         131         1         1         1770         16.852         131         13         1         1         1770         175         144         1         6         11         1         175         144         1         131         11         1         1775         144         1         175         144         1         175         142         9331         11.242         93         131         172         93         20         2.11         175         142         93         15         1         177         130         2.22         2.566         2.5986         1.472         1.472         9.48         147         1.472         9.57         11         130         3.3	Peporting area					Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	
Maine         2         1         -         -         -         2         6         6         53         131           Mass.         159         14         4         -         6         47         5         15         619         139           Mass.         159         187         4         -         6         47         5         14         866         1.022           Mass.         159         14         -         15         16         14         866         1.022           Mass.         159         14         13         84         123         39         222         2.566         2.286           Mass.         163         7         7         84         124         36         70         788         849           Nab.         53         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16												
N.H.       30       13       -       -       7       8       3       3       173       139         Vasses       15       14       4       -       13       15       14       139         R.L.       155       111       4       -       13       15       14       143         Conn.       78       67       1       -       15       15       14       985       1.722         MD.ATLANTIC       063       603       120       180       85       121       393       28       3.117       1.335         N.Y.CHY       883       158       -       -       74       167       77       160       222       2566       7       186         Pay.       238       228       106       85       210       246       42       2.560       427       2.560       427       2.560       427       186         Ind.       34       228       7       7       65       217       246       42       2.560       65       19       43       3       3       347       213       440       316       310       316       310       316				9	7	45						
vi.         5         4         4         7         4         5         1         -         43         37           Mass.         15         15         16         15         15         15         16         17         4         393           Conn.         78         16         1         -         15         16         17         14         802         121         112         803         1.072           MDATLANTC         73         74         14         15         14         502         121         112         20.03         1.1242           MAL         203         1242         20.05         1.072         16         20         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05         20.05 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					-							
R.I.       5       11       -       -       13       13       1       -       175       434         MD. ATLANTIC       983       603       120       98       411       502       121       112       93.03       11.242         Upstele NV.       73       73       14       14       13       881       122       36       22       2666       2566         Pa.       233       126       106       85       210       244       46       42       3.620       4.725         Chick       34       225       70       7       84       184       87       19       88       600         Ohio       100       110       5       7       78       86       29       16       6       15       16         Wick.       233       37       -       5       7       17       3       3       347       213         Muhch.       216       181       170       28       14       9       13       13       347       213         Most.       233       37       -       5       14       9       1       13       347		5	4						-			
MD. ATLAYTIC       963       603       120       98       411       502       121       9.030       11.242         Versite N.Y. Gipy       89       158       -       -       41       57       16       20        186         N.Y. Gipy       89       158       -       -       75       74       20       22       2.666       2.996         Pat.       238       228       106       B5       2.10       248       448       37       70       788       840         Chino       100       111       57       77       186       249       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16 <td< td=""><td></td><td>5</td><td>11</td><td>-</td><td>-</td><td>13</td><td>13</td><td>1</td><td>-</td><td>175</td><td>434</td></td<>		5	11	-	-	13	13	1	-	175	434	
Upsate         NY. City         73         74         14         13         85         123         39         28         3.117         3.735           N.Y. City         89         1158         -         -         11         57         16         20         2.860         4.782           EN. CENTRAL         444         406         91         125         326         246         46         37         79         85         257         16         61         15         19           Chino         34         428         7         7         65         25         16         61         15         19           III.         71         52         12         18         18         39         5         11         3         407         316           With CENTRAL         241         24         41         178         37         57         11         3         447         316           With CENTRAL         241         24         41         78         37         57         11         343         447         316           With CENTRAL         241         3         3         33         347         26 </td <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					-							
N.Y.Chy       B9       158       -       -       41       57       16       20       -       -       186         Pa.       233       226       100       85       210       248       46       422       2.566       2.568         Pa.       233       226       100       165       210       248       46       421       3.620       4.725         EN.CENTRAL       444       408       91       125       386       349       13       16       68       57         Min.       71       52       77       177       3       9       68       693         WN.CENTRAL       241       254       41       178       39       57       11       13       440       316         Mon.       41       213       23       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3 </td <td></td>												
Pa.         238         226         106         85         210         248         464         42         3.620         4.725           EN CENTRAL         444         408         91         125         386         349         83         70         788         640           Ohio         100         10         5         7         765         25         16         6         15         19           Ill.         71         52         12         18         18         39         57         13         13         440         315           Wik.         20         7         -         5         7         1         13         440         315         347         215           Now         13         10         -         -         2         1         -         -         -         -         1         107         108         347         492           N.Dak.         4         2         -         -         3         2         -         -         -         1         107         109         107         108           N.Dak.         2         2.3         -         1				-					20	-	186	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				106								
Ind.       34       28       7       7       65       25       16       6       15       19         Mich.       216       181       67       88       112       84       22       18       28       65         Wis.       23       37       -       5       7       17       3       9       666       683         Win.       41       241       254       41       178       39       57       11       13       440       316         Mon.       154       101       4       28       5       6       37       47         Noak       4       2       -       -       2       1       5       6       440       17         S.Dak.       -       2       1       5       2       3       7       2       2       37       12         Kans.       -       15       -       -       1       9       -       1       -       4       2       6       6       5       6       11       10       10       11       22       37       3       3       5       2       10       11       13 <td></td>												
III.       71       52       12       18       18       39       5       18       1       66         Wis.       23       37       -       5       7       17       3       9       666       699         WN.CENTRAL       241       254       41       178       39       57       11       13       440       316         Mon.       151       17       25       166       7       7       3       3       3       347       213         Iowa       13       100       -       2       166       2       2       -       -       1       9       47         Mon.       151       177       25       168       2       2       3       7       2       3       7       2         Nebr.       29       23       -       2       10       10       1006       10       10       1007         SATLANIC       1.527       1.59       138       126       203       439       488       111       1.107       1006         Q.C.       15       9       1       -       8       14       -       1       <												
Wis.         23         37         -         5         7         17         3         9         666         633           MUN.CENTRAL         241         254         41         178         39         57         11         13         3400         316           Mo.         154         173         25         168         21         28         5         6         47         49           N.Dak.         4         2         -         -         2         1         -         -         -         -         12           S.Dak.         2         23         -         2         303         439         88         111         1,07         1,006           Mol.         125         1595         136         12         303         439         88         111         1,107         1,006           D.C.         15         9         1         -         8         144         -         1         8         5           Va.         206         140         16         7         41         79         14         9         121         77           Wa.         337         250         <			52				39			1		
Minn.       41       29       16       7       7       3       3       3       3       347       213         Mo.       154       173       25       188       21       28       5       6       47       49         N.Dak.       4       2       -       -       3       2       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -												
$\begin{array}{c c c c c c c c c c c c c c c c c c c $												
N Dak.       4       2       -       -       2       1       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - </td <td></td>												
S. Dak.       -       2       -       -       -       3       2       -       -       -       1         Kans.       -       15       -       -       1       9       -       1       -       -       4         S. ATLANTIC       1.527       1.595       136       125       303       44       7       1006       11       -       -       4         Del.       28       6       -       -       7       12       24       N       N       137       1.006         D.C.       15       9       1       -       8       14       -       1       8       55         Va.       33       25       20       2       6       15       3       6       21       19         N.C.       138       131       10       11       29       34       16       16       97       85         S.C.       65       140       6       24       3       7       3       4       12       8         Ga.       530       544       23       12       33       37       4       6       14       11				25	168							
Kans.       -       1       9       -       1       -       4         SATLANTIC       1225       1595       136       122       24       88       111       1.107       1.006         Del.       125       103       14       -       12       24       88       111       1.107       1.006         DC.       15       9       1       -       8       144       -       2       647       556         DC.       133       325       20       2       6       15       3       6       211       19         N.C.       33       33       131       0       1       29       34       16       6       97       85         S.C.       65       140       6       24       3       7       3       4       12       88         Ga.       530       544       51       12       36       31       16       28       12       10         Fla.       387       497       54       62       109       14       20       25       43       53         S.C.       54       54       23       12	S. Dak.	-	2	-		3	2	-	-	-	1	
Del.         28         6         -         -         12         24         N         N         137         174           DC.         15         9         1         -         8         14         -         1         8         5           D.C.         15         9         1         -         8         14         -         1         8         5           W.A.         33         25         20         2         6         15         3         6         21         19           N.C.         138         131         10         11         29         34         16         16         67         85           S.C.         65         140         6         24         3         7         3         4         12         86           Ga.         530         544         15         12         36         31         16         28         12         10           Fan.         387         497         54         62         103         140         54         60         30         42         55         87           Ky         58         56         15												
Md.       125       103       14       7       59       11       14       22       647       596         DC.       15       9       1       -       8       14       -       1       8       5         Va.       206       140       16       7       41       79       14       9       121       77         N.C.       138       131       10       11       29       34       16       16       97       85         S.C.       65       140       6       24       3       7       3       4       12       8         Ga.       530       544       15       12       36       31       16       28       12       10         Fia.       387       497       54       62       109       124       22       25       52       32       32         ES.CENTRAL       359       366       82       66       76       89       20       25       43       53       15       29       29       10       7       17       15         Afa.       55       11       18       4       10       3				136								
Va.206140167417914912177N.C.1381311011293416169785Ga.5305441512363116281210Fla.387497546210912422255232E.S.CENTRAL3593668266768920254353Ky.585423123337461411Tenn.168157351529291071715Ala.597845111841038Miss.747720343522919W.S.CENTRAL209874103140546030425587Ark.521025892413246Okla.474632562246Okla.47404069542231291414Mont.2132173126325Colo.4666891791193-1114Mont.	Md.		103	14		59						
S.C.       66       140       6       24       3       7       3       4       12       8         Ga.       387       497       54       62       109       124       22       25       52       32         E.S. CENTRAL       359       366       82       66       76       89       20       25       43       53         Ky.       58       54       23       12       33       37       4       6       14       11         Tenn.       168       157       35       15       29       29       10       7       17       15         Ala.       59       78       4       5       11       18       4       10       3       8         Miss.       74       77       20       34       3       5       2       2       9       19         WS. CENTRAL       209       874       103       140       54       60       30       42       55       87         Atk.       52       66       2       3       2       4       1       3       2       2       33       2       33       32	W.Va.	33	25	20	2	6	15	3	6	21	19	
Fla. $387$ $497$ $54$ $62$ $109$ $124$ $22$ $25$ $52$ $32$ E.S. CENTRAL $359$ $366$ $82$ $66$ $76$ $89$ $20$ $25$ $43$ $53$ Ky. $58$ $54$ $23$ $12$ $33$ $37$ $4$ $6$ $144$ $11$ Tenn. $168$ $157$ $35$ $15$ $29$ $29$ $10$ $7$ $17$ $15$ Ala. $59$ $78$ $4$ $5$ $11$ $18$ $4$ $10$ $3$ $8$ Miss. $74$ $77$ $20$ $34$ $3$ $5$ $2$ $2$ $9$ $9$ W.S. CENTRAL $209$ $874$ $103$ $140$ $54$ $60$ $30$ $42$ $55$ $87$ Ark. $52$ $102$ $58$ $92$ $4$ $1$ $3$ $2$ $4$ $6$ Cokla. $47$ $46$ $3$ $2$ $5$ $6$ $-2$ $-1$ $-7$ Tex. $52$ $660$ $40$ $43$ $45$ $51$ $25$ $37$ $43$ $81$ MOUNTAIN $384$ $474$ $40$ $40$ $69$ $54$ $22$ $31$ $29$ $14$ Mont. $2$ $13$ $2$ $1$ $29$ $14$ $6$ $3$ $2$ $-2$ $-2$ $-3$ $2$ Colo. $46$ $66$ $8$ $9$ $17$ $9$ $11$ $9$ $3$ $-2$ $2$ New.					24	3	7		4	12	8	
E.S.CENTRAL3593668266768920254353Ky.585423123337461411Ala.597845111841038Miss.747720343522919W.S.CENTRAL586623-2218-Ark.586623-2218La.521025892413246Okla.47463256-2Tex.526604043455125374381MOUNTAIN3844744040695422312914Mont.213232Idaho1077-173126332Vio.627212224684-33232Vio.77-179119332 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	E.S. CENTRAL	359	366	82	66	76	89	20	25	43	53	
Ala.       59       78       4       5       11       18       4       10       3       8         Miss.       74       77       20       34       3       5       2       2       9       19         Miss.       74       103       140       54       60       30       42       55       87         Ark.       58       66       2       3       -       2       2       1       8       -         La.       52       102       58       92       4       1       3       2       4       6         Okla.       47       46       3       2       5       6       -       2       -       -         Tex.       52       660       40       43       45       51       25       37       43       81         Mont.       2       13       2       1       2       4       -       2       -       -       -       -       -       -       -       -       -       -       -       10       3       3       3       2       2       11       10       10       10       10 <td></td>												
W.S. CENTRAL       209       874       103       140       54       60       30       42       55       87         Ark.       58       66       2       3       -       2       2       1       8       -         La.       52       102       58       92       4       1       3       2       4       6         Okla.       47       46       3       2       5       6       -       2       -       -         Tex.       52       660       40       43       45       51       25       37       43       81         MOUNTAIN       384       474       40       40       69       54       22       31       29       1         Mont.       2       13       2       1       2       4       -       2       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<			78	4	5						8	
Ark.586623-2218-La.521025892413246Okla.47463256-2Tex.526604043455125374381MOUNTAIN3844744040695422312914Mont.2132124-2Idaho107-1731263Wyo.7272-5232Colo.4666891791193Ariz.208219571110-1063Vev.627212224684-3PACIFIC5126806056495692987782Wash.4161201710896133Calif.3525042326394874833463Alaska14423Calif.3525042326394874 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
Okla.47463256-2Tex.526604043455125374381MOUNTAIN3844744040695422312914Mont.2132124-2Idaho107-1731263Wyo.7272-5232Colo.4666891791193-N.Mex.11327-42-211Ariz.208219571110-1063Nev.627212224684-3PACIFIC5126806056495692987782Wash.4161201710896133Calif.3525042326394874833463Alaska144233463Alaska144P.R.44981 <td>Ark.</td> <td>58</td> <td>66</td> <td>2</td> <td>3</td> <td>-</td> <td>2</td> <td>2</td> <td>1</td> <td>8</td> <td>-</td>	Ark.	58	66	2	3	-	2	2	1	8	-	
MOUNTAIN         384         474         40         40         69         54         22         31         29         14           Mont.         2         13         2         1         2         4         -         2         -         -         -           Idaho         10         7         -         1         7         3         1         2         6         3           Wyo.         7         27         2         -         5         2         -         -         3         2           Colo.         46         66         8         9         17         9         11         9         3         -           Ariz.         208         219         5         7         11         10         -         10         6         3           Utah         38         38         4         -         19         18         2         2         10         2           Nev.         62         72         12         22         4         6         8         4         -         3           Oreg.         95         90         14         11         N		47						-	2	-	-	
Mont.       2       13       2       1       2       4       -       2       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <td></td>												
Wyo.       7       27       2       -       5       2       -       -       3       2         Colo.       46       66       8       9       17       9       11       9       3       -         N.Mex.       11       32       7       -       4       2       -       2       1       1         Ariz.       208       219       5       7       11       10       -       10       6       3         Utah       38       38       4       -       19       18       2       2       10       2         Nev.       62       72       12       22       4       6       8       4       -       3         PACIFIC       512       680       60       56       49       56       92       98       77       82         Wash.       41       61       20       17       10       8       9       6       13       3         Oreg.       95       90       14       11       N       N       5       4       23       3         Calif.       352       504       23       2												
Colo.       46       66       8       9       17       9       11       9       3       -         N.Mex.       11       32       7       -       4       2       -       2       1       1         Ariz.       208       219       5       7       11       10       -       10       6       3         Utah       38       38       4       -       19       18       2       2       10       2         Nev.       62       72       12       22       4       6       8       4       -       3         PACIFIC       512       680       60       56       49       56       92       98       77       82         Wash.       41       61       20       17       10       8       9       6       13       3         Oreg.       95       90       14       11       N       N       5       4       28       13         Calif.       352       504       23       26       39       48       74       83       34       63         Alaska       14       4       -					1							
Ariz.       208       219       5       7       11       10       -       10       6       3         Utah       38       38       4       -       19       18       2       2       10       2         Nev.       62       72       12       22       4       6       8       4       -       3         PACIFIC       512       680       60       56       49       56       92       98       77       82         Wash.       41       61       20       17       10       8       9       6       13       3         Calif.       352       504       23       26       39       48       74       83       34       63         Alaska       14       4       -       -       -       -       -       2       3         Hawaii       10       21       3       2       -       -       4       5       N       N         Guam       -       9       -       3       -       -       -       -       -       -       -       -       -       -       -       -       -	Colo.	46	66	8	9	17	9		9	3	-	
Utah       38       38       38       4       -       19       18       2       2       10       2         Nev.       62       72       12       22       4       6       8       4       -       3         PACIFIC       512       680       60       56       49       56       92       98       77       82         Wash.       41       61       20       17       10       8       9       6       13       3         Oreg.       95       90       14       11       N       N       5       4       28       13         Calif.       352       504       23       26       39       48       74       83       34       63         Alaska       14       4       -       -       -       -       -       2       3         Hawaii       10       21       3       2       -       -       4       5       N       N         Guam       -       9       -       3       -       -       -       -       -       -       -       -       -       -       -       -												
PACIFIC         512         680         60         56         49         56         92         98         77         82           Wash.         41         61         20         17         10         8         9         6         13         3           Oreg.         95         90         14         11         N         N         5         4         28         13           Calif.         352         504         23         26         39         48         74         83         34         63           Alaska         14         4         -         -         -         -         -         2         3           Hawaii         10         21         3         2         -         -         4         5         N         N           Guam         -         9         -         3         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	Utah	38	38	4	-	19	18		2	10	2	
Wash.       41       61       20       17       10       8       9       6       13       3         Oreg.       95       90       14       11       N       N       5       4       28       13         Calif.       352       504       23       26       39       48       74       83       34       63         Alaska       14       4       -       -       -       -       -       2       3         Hawaii       10       21       3       2       -       -       4       5       N       N         Guam       -       9       -       33       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -												
Calif.       352       504       23       26       39       48       74       83       34       63         Alaska       14       4       -       -       -       -       -       2       3         Hawaii       10       21       3       2       -       -       4       5       N       N         Guam       -       9       -       33       -       -       -       -       -       -         P.R.       44       98       -       -       1       -       -       N       N         VI.       -       -       -       -       -       -       -       -       -         Amer.Samoa       U       U       U       U       U       U       U       U       U       U	Wash.	41	61	20	17	10	8	9	6	13	3	
Hawaii         10         21         3         2         -         -         4         5         N         N           Guam         -         9         -         3         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td< td=""><td>Calif.</td><td>352</td><td>504</td><td></td><td></td><td></td><td></td><td></td><td></td><td>34</td><td>63</td></td<>	Calif.	352	504							34	63	
Guam       -       9       -       3       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -				-	- 2	-	-					
V.I	Guam	-	9	-		-	-	-	-	-	-	
	V.I.	-	-	-	-	-	-	-	-	-	-	
		U -								U -		

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending October 16, 2004, and October 11, 2003 (41st Week)\*

(41st Week)*				,			0			
	Mal	aria	Mening dise		Pertu	issis	Rabies,	animal		lountain d fever
Reporting area	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003
UNITED STATES	987	1,039	1,020	1,321	11,131	6,761	4,381	5,662	1,145	715
NEW ENGLAND	60	55	53	60	1,254	969	528	482	18	7
Maine N.H.	6 5	2 6	9 4	6 3	2 56	12 77	38 22	59 21	-	-
Vt. Mass.	4 28	2 26	2 31	2 36	61 1,092	60 756	31 223	29 172	- 15	- 7
R.I. Conn.	4 13	2 17	1	2 11	31 12	16 48	30 184	58 143	1 2	-
MID. ATLANTIC	237	277	129	160	2,286	40 784	467	751	75	39
Upstate N.Y. N.Y. City	39 107	45 148	29 23	40 37	1,585 128	354 111	433 5	347 6	3 19	13
N.J.	50	53	31	20	188	118	-	62	27	16
Pa. E.N. CENTRAL	41 90	31 89	46 145	63 207	385 2,429	201 690	29 137	336 147	26 26	10 19
Ohio	27	17	58	51	464	209	66	49	15	8
Ind. III.	14 21	2 37	23 12	38 56	125 319	54 67	10 43	23 23	5 2	1 5
Mich. Wis.	18 10	23 10	41 11	37 25	219 1,302	92 268	16 2	39 13	4	5
W.N. CENTRAL	52	41	62	106	1,385	350	336	563	104	58
Minn. Iowa	25 3	20 5	22 14	25 23	276 99	132 103	75 92	30 93	-	1 2
Mo.	17 3	5 1	18	39 1	251	65 6	51 51	34 48	88	47
N. Dak. S. Dak.	1	2	2	1	686 20	3	10	116	4	4
Nebr. Kans.	3	- 8	4-	6 11	33 20	8 33	53 4	91 151	12	3 1
S. ATLANTIC	261	261	191	230	532	518	1,540	2,198	562	419
Del. Md.	6 52	2 61	4 10	8 24	8 94	7 71	9 157	43 287	4 54	1 94
D.C. Va.	11 36	13 31	4 16	5 22	3 163	2 87	- 399	433	- 24	1 27
W. Va. N.C.	1 17	4 20	5 26	5 30	17 67	16 108	52 506	72 663	4 386	5 195
S.C.	9	3	11	20	42	101	125	192	17	27
Ga. Fla.	54 75	58 69	20 95	27 89	31 107	29 97	290 2	320 188	55 18	61 8
E.S. CENTRAL	27	26 7	51 9	69	229	129	119	180	164	110
Ky. Tenn.	4 7	5	15	16 18	56 135	41 60	20 36	31 96	2 89	1 59
Ala. Miss.	11 5	7 7	14 13	18 17	26 12	17 11	53 10	52 1	40 33	20 30
W.S. CENTRAL	93	106	94	147	580	588	919	983	166	54
Ark. La.	7 4	4	14 32	13 36	55 10	41 10	43	25 2	86 5	-
Okla. Tex.	7 75	4 94	8 40	14 84	33 482	66 471	90 786	166 790	70 5	40 14
MOUNTAIN	38	34	56	68	1,161	783	191	162	25	8
Mont. Idaho	- 1	- 1	3 6	4 6	40 34	5 68	22 7	20 15	3 4	1 2
Wyo. Colo.	- 13	1 19	3 13	2 19	28 565	123 269	5 42	6 38	4 2	2 2
N. Mex.	2	1 7	7	8	125	61	4	5	2	-
Ariz. Utah	10 7	4	12 5	21	190 149	118 106	100 8	60 14	2 8	1
Nev.	5	1	7	8	30	33	3	4	-	-
PACIFIC Wash.	129 16	150 21	239 28	274 26	1,275 577	1,950 580	144	196	5	-
Oreg. Calif.	15 94	9 113	53 149	48 182	337 333	391 963	6 130	6 182	3 2	- 1
Alaska Hawaii	1 3	1 6	3 6	7 11	9 19	7 9	8	8	-	-
Guam	-	1	-	-	-	1	-	-	-	-
P.R. V.I.	-	1	5	9	4	2	46	64	N	N
Amer. Samoa C.N.M.I.	U	U U	U	U U	U	U U	U -	U U	U	U U

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending October 16, 2004, and October 11, 2003

### **MMWR**

(41st Week)*	Streptococcal disease						· · ·	tococcus pne	<i>umoniae</i> , inv	asive
	Salmon	ellosis	Shige	llosis	invasive,		Drug res all ag		Age <	5 years
Reporting area	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003	Cum. 2004	Cum. 2003
UNITED STATES	30,902	33,890	8,976	18,481	3,674	4,663	1,744	1,600	531	546
NEW ENGLAND	1,680	1,725	239	267	154	401	26	79	55	7
Maine N.H.	77 116	107 122	4 7	6 7	8 16	24 27	2	-	3 N	N
Vt. Mass.	48 969	60 1,009	2 151	7 178	8 105	18 179	7 N	6 N	1 44	4 N
R.I.	99	103	18	13	17	11	17	10	7	3
Conn.	371	324	57	56	- 600	142 810	-	63	U	U 80
MID. ATLANTIC Upstate N.Y.	4,435 989	3,972 920	938 370	1,905 353	199	306	108 44	104 55	88 60	59
N.Y. City N.J.	1,006 716	1,100 665	305 179	327 306	83 139	118 154	U	U	U 6	U 2
Pa.	1,724	1,287	84	919	179	232	64	49	22	19
E.N. CENTRAL	3,949	4,561	811	1,524	733 196	1,103	382	353	131	240
Ohio Ind.	1,064 467	1,116 458	141 179	257 128	86	262 107	269 113	231 122	65 30	77 24
III. Mich.	1,072 708	1,570 642	251 106	822 209	156 252	278 314	- N	- N	N	96 N
Wis.	638	775	134	108	43	142	N	N	36	43
W.N. CENTRAL Minn.	1,656 479	2,002 451	280 52	626 87	221 126	287 139	16	13	74 54	59 42
Iowa	379	309	61	57	N	N	Ν	Ν	N	N
Mo. N. Dak.	519 37	739 29	131 3	302 6	54 11	64 15	11	9 3	12 2	2 4
S. Dak.	98	97	9	16	15	20	5	1	-	-
Nebr. Kans.	127 17	131 246	22 2	78 80	13 2	24 25	N	N	6	5 6
S. ATLANTIC	8,722	8,297	2,190	5,596	816	767	925	864	40	17
Del. Md.	81 630	88 683	6 112	157 516	3 130	6 188	4	1 18	N 29	N
D.C. Va.	50 968	34 830	32 130	64 345	9 63	8 91	5 N	N	3 N	7 N
W.Va.	172	107	5	-	20	31	90	59	8	10
N.C. S.C.	1,254 765	1,019 604	270 275	825 395	104 37	92 37	N 69	N 123	U N	U N
Ga. Fla.	1,587	1,607 3,325	552 808	1,005	261 189	151 163	274 483	195 468	N N	N N
E.S. CENTRAL	3,215 2,063	2,349	634	2,289 771	184	165	403	400	2	-
Ky.	284	329	58	106	53	41	24	15	N	N
Tenn. Ala.	512 589	616 585	317 213	256 254	131	124	89	101	N N	N N
Miss.	678	819	46	155	-	-	1	-	2	-
W.S. CENTRAL Ark.	2,651 428	5,038 657	1,994 57	4,748 94	226 16	229 6	49 7	62 19	103 8	86 7
La.	584	741	227	395	2	1	42	43	24	17
Okla. Tex.	336 1,303	386 3,254	380 1,330	686 3,573	55 153	72 150	N N	N N	36 35	42 20
MOUNTAIN	1,907	1,780	636	971	423	386	31	5	38	57
Mont. Idaho	172 131	87 144	4 12	2 25	- 8	1 18	N	N	N	N
Wyo. Colo.	46 464	71 403	5 133	6 242	7 122	2 110	9	4	- 35	- 44
N. Mex.	209	216	99	194	68	93	5	-	-	9
Ariz. Utah	547 201	533 179	298 39	406 39	177 38	132 28	N 15	N 1	N 3	N 4
Nev.	137	147	46	57	3	2	2	-	-	-
PACIFIC Wash.	3,839 455	4,166 453	1,254 92	2,073 139	317 53	515 56	93	4	N	N
Oreg.	348	353	59	192	N	N	Ν	N	N	N
Calif. Alaska	2,704 48	3,136 56	1,055 5	1,697 8	169 -	356	N -	N -	N N	N N
Hawaii	284	168	43	37	95	103	93	4	-	-
Guam P.R.	- 190	37 521	- 7	33 25	- N	N	N	- N	N	N
V.I.	-	-	-	-	-	-	-	-	-	-
Amer. Samoa C.N.M.I.	U 3	U U	U	U U	U	U U	U	U U	U	U U

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending October 16, 2004, and October 11, 2003

Reporting area         UNITED STATES         NEW ENGLAND         Maine         N.H.         Vt.         Mass.         R.I.         Conn.         MID. ATLANTIC         Upstate N.Y.         N.Y. City         N.J.         Pa.         E.N. CENTRAL         Ohio         Ind.         III.         Mich.         Wis.         W.N. CENTRAL         Minn.         Iowa         Mo.         N. Dak.         S. Dak.         Nebr.         Kans.         S. ATLANTIC         Del.         Md.         D.C.         Va.         W.Va.         N.C.         S.C.         Ga.         Fla.         E.S. CENTRAL         Ky.         Tenn.         Ala.	Cum. 2004 5,763 156 2 4 - 98 21 31 759 79 454 124 102 649 170 44 265 147 23 125 15 5 78 - 5 22 1,497 8 283	Syphil           Secondary           Cum.           2003           5,480           163           7           16           -           103           18           19           667           31           374           136           126           725           165           35           303           207           15           122           37           8           46           2           5           22           1,442           5           249	Cong Cum. 2004 268 4 - - - 1 38 3 12 22 1 48 1 8 12 22 1 48 1 8 12 27 - 5 1 - 5 1 - 2 39 1	enital Cum. 2003 348 - - - - - - - - - - - - -	Tuberi Cum. 2004 8,004 283 - 12 - 180 29 62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 85 3 85 3 85 3 85 3 85 3 1,520	Culosis           Cum.           2003           9,739           335           19           11           8           173           42           82           1,744           227           898           341           278           909           157           101           436           165           50           367           148           25           97           -           16           65	Typhoi Cum. 2004 224 19 - - 13 13 1 5 5 5 1 9 16 13 13 13 17 5 - - - - - - - - - - - - - - - - - -	d fever 2003 299 25 - 2 - 14 2 7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1 - 1 - - - - - - - - - - - - -	Varice (Chicker 2004 14,146 591 180 - - - 73 4,375 1,077 - 2,906 392 129 - N 5 81 43 -	
UNITED STATES NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	2004 5,763 156 2 4 - 98 21 31 759 79 454 124 102 649 170 44 265 147 23 125 15 5 78 - 5 22 1,497 8 283	2003 5,480 163 7 16 - 103 18 19 667 31 374 136 126 725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	2004 268 4 - - 1 38 3 12 22 1 48 1 8 12 22 1 48 1 8 12 27 - 5 1 - 5 1 - 2 39 1	2003 348 - - - - - - - - - - - - -	2004 8,004 283 - 12 180 29 62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 8 27 3	2003 9,739 335 19 11 8 173 42 82 1,744 227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	2004 224 19 - - 13 1 5 5 5 1 9 16 13 13 13 13 13 17 5 - - 10 2 8 4 - - 2	2003 299 25 - 14 2 7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1 - 1 - 1 - 1 - 1 - - - - - - - - - - - - -	2004 14,146 591 180 - 411 - - 73 4,375 1,077 - 2,906 392 129 - N 5 81	2003 12,603 2,442 643 556 136 5 1,102 30 - 30 4,247 967 - 2,594 686 42 - N
UNITED STATES NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	5,763 156 2 4 - 98 21 31 759 79 454 124 102 649 170 44 265 147 23 125 5 78 - 5 22 1,497 8 283	5,480 163 7 16 - 103 18 19 667 31 374 136 126 725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	268 4 - 3 - 1 38 3 12 22 1 48 1 2 27 - 5 1 - 2 - 2 39 1	348 - - - - - - - - - - - - - - - - - - -	8,004 283 12 180 29 62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 8 27 3	9,739 335 19 11 8 173 42 82 1,744 227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	224 19 - 13 1 5 51 9 16 13 13 17 5 - 10 2 8 4 - 2 2	299 25 2 14 2 7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	14,146 591 180 - 411 -	12,603 2,442 643 556 136 5 1,102 30 - - - 30 4,247 967 - 2,594 686 42 - N
Maine N.H. Vt. Mass. R.I. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	2 4 98 21 31 759 79 454 124 102 649 170 44 265 147 23 125 5 78 5 22 1,497 8 283	7 103 18 19 667 31 374 136 126 725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	- 3 - 1 38 3 12 22 1 48 1 2 27 - 5 1 - 2 - 2 39 1	54 8 29 17 - 61 3 11 18 28 1 4 - 4 -	12 180 29 62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 85 3 8 27 3	19 11 8 173 42 82 1,744 227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	- 13 1 5 5 1 9 16 13 13 13 17 5 - 10 2 8 4 - 2	2 14 2 7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	180 - 411 - - - 73 - - 73 4,375 1,077 - 2,906 392 129 - - - 2,906 392 129 - - - - - - - - - - - - - - - - - - -	643 556 136 5 1,102 30 - - 30 4,247 967 - 2,594 686 42 - N
N.H. Vt. Mass. R.I. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W.A. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	4 98 21 31 759 79 454 124 102 649 170 44 265 147 23 125 5 78 125 5 78 5 22 1,497 8 283	16 103 18 19 667 31 374 136 126 725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	- 1 38 3 12 22 1 48 1 8 12 27 - 5 1 - 5 1 - 2 39 1	54 8 29 17 - 61 3 11 18 28 1 4 - 4 -	- 180 29 62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 8 29 85 3 8 27 3	11 8 173 42 82 1,744 227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	- 13 1 5 9 16 13 13 13 17 5 - 10 2 8 4 - 2 - 2	14 2 7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	411 - - 73 - 73 4,375 1,077 - 2,906 392 129 - N 5 81	556 136 5 1,102 30 - - 30 4,247 967 - 2,594 686 42 - N
Vt. Mass. R.I. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W.Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	98 21 31 759 79 454 124 102 649 170 44 265 147 23 125 15 5 78 5 22 1,497 8 283	- 103 18 19 667 31 374 136 126 725 165 35 303 207 15 122 37 8 46 2 2 5 5 22 1,442 5	- 1 38 3 12 22 1 48 1 8 12 27 - 5 1 - 5 1 - 2 39 1	54 8 29 17 - 61 3 11 18 28 1 4 - 4 -	- 180 29 62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 8 29 85 3 8 27 3	8 173 42 82 1,744 227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	1 5 16 13 13 17 5 - 10 2 8 4 - 2 - 2	14 2 7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	- 73 - 73 4,375 1,077 - 2,906 392 129 - N 5 81	136 5 1,102 30 4,247 967 - 2,594 686 42 - N
R.I. Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	21 31 759 454 124 102 649 170 44 265 147 23 125 5 78 5 22 1,497 8 283	18 19 667 31 374 136 126 725 165 303 207 15 122 37 8 46 2 2 5 22 1,442 5	38 3 12 22 1 48 1 8 12 27 - 5 1 - 2 - 2 39 1	54 8 29 17 - 61 3 11 18 28 1 4 - 4 -	29 62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 85 3 8 27 3	42 82 1,744 227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	1 5 16 13 13 17 5 - 10 2 8 4 - 2 - 2	2 7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	73 - 73 4,375 1,077 - 2,906 392 129 - N 5 81	5 1,102 30 - - 30 4,247 967 - 2,594 686 42 - N
Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W.Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	31 759 79 454 124 102 649 170 44 265 147 23 125 15 5 78 - 5 22 1,497 8 283	19 667 31 126 725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	38 3 12 22 1 48 1 8 12 27 - 5 1 - 2 - 2 39 1	54 8 29 17 61 3 11 18 28 1 4 - 4 - 4 -	62 1,579 197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 8 29 85 3 8 27 3	82 1,744 227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	5 51 9 16 13 13 13 17 5 - 10 2 8 4 - 2 - 2	7 70 12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	73 - 73 4,375 1,077 - 2,906 392 129 - N 5 81	1,102 30 - - 30 4,247 967 - 2,594 686 42 - N
Upstate N.Y. N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W.Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	79 454 102 649 170 44 265 147 23 125 15 5 78 - 5 22 1,497 8 283	31 374 136 126 725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	3 12 22 1 48 1 8 12 27 - 5 1 - 5 1 - 2 39 1	8 29 17 - 61 3 11 18 28 1 4 - - 4 - -	197 787 331 264 931 155 101 415 193 67 293 138 29 85 3 85 3 8 27 3	227 898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	9 16 13 13 17 5 - 10 2 8 4 - 2 - 2	12 34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	- 73 4,375 1,077 - 2,906 392 129 - N 5 81	30 4,247 967 2,594 686 42 N
N.Y. City N.J. Pa. E.N. CENTRAL Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	454 124 102 649 170 44 265 147 23 125 15 5 78 - 5 22 1,497 8 283	374 136 126 725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	12 22 1 48 1 8 12 27 - 5 1 - 5 1 - 2 - 2 39 1	29 17 - 61 3 11 18 28 1 4 - 4 - 4 - -	787 331 264 931 155 101 415 193 67 293 138 29 85 3 85 3 8 27 3	898 341 278 909 157 101 436 165 50 367 148 25 97 - 16 16	16 13 13 17 5 - 10 2 8 4 - 2 - 2	34 20 4 32 2 4 16 10 - 6 2 2 1 - 1	- 73 4,375 1,077 - 2,906 392 129 - N 5 81	4,247 967 - 2,594 686 42 - N
Pa. E.N. CENTRAL Ohio Ind. Ill. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	102 649 170 44 265 147 23 125 15 5 78 - - 5 22 1,497 8 283	126 725 165 303 207 15 122 37 8 46 2 2 5 22 1,442 5	1 48 1 227 - 5 1 - 2 - 2 39 1	61 3 11 18 28 1 4 - - 4 - - - - -	264 931 155 101 415 193 67 293 138 29 85 3 8 29 85 3 8 27 3	278 909 157 101 436 165 50 367 148 25 97 - 16 16	13 17 5 - 10 2 8 4 - 2 - 2	4 32 4 16 10 - 6 2 2 1 - 1	73 4,375 1,077 - 2,906 392 129 - N 5 81	4,247 967 - 2,594 686 42 - N
E.N. CENTRAL Ohio Ind. III. Wich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	649 170 44 265 147 23 125 15 5 78 - 5 22 1,497 8 283	725 165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	48 1 8 12 27 - 5 1 - 2 - 2 39 1	61 3 11 18 28 1 4 - - 4 - - -	931 155 101 415 193 67 293 138 29 85 3 85 3 8 27 3	909 157 101 436 50 367 148 25 97 - 16 16	17 5 - 10 2 8 4 - 2 - 2	32 2 4 16 10 - 6 2 2 1 - 1	4,375 1,077 2,906 392 129 N 5 81	4,247 967 - 2,594 686 42 - N
Ohio Ind. III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S.CENTRAL Ky. Tenn.	170 44 265 147 23 125 15 5 78 - 5 22 1,497 8 283	165 35 303 207 15 122 37 8 46 2 2 5 22 1,442 5	1 8 12 27 - 5 1 - 2 - 2 39 1	3 11 18 28 1 4 - - 4 - - - -	155 101 415 193 67 293 138 29 85 3 8 5 3 8 27 3	157 101 436 50 367 148 25 97 - 16 16	5 - 10 2 8 4 - 2 - 2	2 4 16 10 - 6 2 2 1 - 1	1,077 - 2,906 392 129 - N 5 81	967 2,594 686 42 N
III. Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	265 147 23 125 5 78 - 5 22 1,497 8 283	303 207 15 122 37 8 46 2 2 5 22 1,442 5	12 27 5 1 - 2 - 2 39 1	18 28 1 - - 4 - - - - -	415 193 67 293 138 29 85 3 8 27 3	436 165 50 367 148 25 97 - 16 16	10 2 8 4 - 2 - 2	16 10 6 2 2 1 - 1	392 129 - N 5 81	686 42 N
Mich. Wis. W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	147 23 125 15 5 78 - 5 22 1,497 8 283	207 15 122 37 8 46 2 2 5 22 1,442 5	27 5 1 - 2 - 2 39 1	28 1 4 - 4 - - -	193 67 293 138 29 85 3 8 27 3	165 50 367 148 25 97 - 16 16	2 8 4 - 2 - 2	10 - 2 1 - 1	392 129 - N 5 81	686 42 N
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	125 15 5 78 - 5 22 1,497 8 283	122 37 8 46 2 2 5 22 1,442 5	5 1 - 2 - 2 39 1	4 - 4 - -	293 138 29 85 3 8 27 3	367 148 25 97 - 16 16	8 4 - 2 - 2	6 2 1 - 1	129 - N 5 81	42 - N
Minn. lowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	15 5 78 - 5 22 1,497 8 283	37 8 46 2 5 5 22 1,442 5	1 - - - 2 39 1	- 4	138 29 85 3 8 27 3	148 25 97 - 16 16	4 - 2 - 2	2 2 - - 1	- N 5 81	N
Mo. N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	78 - 5 22 1,497 8 283	46 2 5 22 1,442 5	2 - - 2 39 1	4 - - -	85 3 8 27 3	97 - 16 16	2 - - 2	1 - - 1	5 81	-
N. Dak. S. Dak. Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	- 5 22 1,497 8 283	2 2 5 22 1,442 5	- - 2 39 1	- - -	3 8 27 3	- 16 16	- - 2	- - 1	81	42
Nebr. Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	5 22 1,497 8 283	5 22 1,442 5	39 1	-	27 3	16			43	-
Kans. S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	22 1,497 8 283	22 1,442 5	39 1	- 70	3				_	
Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	8 283	5	1	70	1.520			-	-	-
Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	283				,	1,895	39	44	1,864	1,741
Va. W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.		249	6	- 11	189	- 187	- 11	9	4	24
W. Va. N.C. S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	66	41	1	- 1	65	- 197	- 6	-	20	25
S.C. Ga. Fla. E.S. CENTRAL Ky. Tenn.	83 2	67 2	2	-	189 15	16	-	14	479 1,107	475 1,013
Ga. Fla. E.S. CENTRAL Ky. Tenn.	146 97	126 81	9 6	16 10	232 149	245 127	6	7	N 254	N 204
E.S. CENTRAL Ky. Tenn.	253	383	1	13	11	410	6	5	-	-
Ky. Tenn.	559	488	13	19	670	713	10	9	-	-
Tenn.	317 34	255 30	17 1	11 1	429 87	525 93	7 3	5	-	-
Ala.	103	107	8	2	156	179	4	2	-	-
Miss.	138 42	96 22	6 2	6 2	153 33	173 80	-	3	-	-
W.S. CENTRAL	952	720	43	63	749	1,460	14	29	5,159	3,646
Ark.	34	40	-	2	87	71	-	-	-	-
La. Okla.	216 20	120 52	2	1 1	125	116	- 1	1	46	12
Tex.	682	508	41	59	537	1,273	13	28	5,113	3,634
MOUNTAIN Mont.	283	251	45	29	381 4	353 5	6	6	1,955	455
Idaho	16	7	2	2	4	8	-	1	-	-
Wyo. Colo.	3 28	- 27	-	- 3	2 85	3 77	- 1	3	28 1,498	42
N. Mex.	46	51	1	6	18	38	-	-	81	2
Ariz. Utah	154 7	151 5	42	18	175 33	170 30	2 1	2	348	411
Nev.	29	10	-	-	60	22	2	-	-	-
PACIFIC Wash.	1,025 105	1,135 61	29	56	1,839 180	2,151 192	63 6	82 3	-	-
Oreg.	24	37	-	-	65	85	2	3	-	-
Calif. Alaska	890	1,030 1	28	55	1,472 31	1,738 46	49	75	-	-
Hawaii	6	6	1	1	91	90	6	1	-	-
Guam		1	-	-	-	41	-	-	-	114
P.R. V.I.	-	164 1	5	13	60	86	-	-	217	454
Amer. Samoa C.N.M.I.	- 112 4 U	U	U	U	U 10	U U	U	U U	U	U U

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending October 16, 2004, and October 11, 2003

#### TABLE III. Deaths in 122 U.S. cities,\* week ending October 16, 2004 (41st Week)

TABLE III. Deatins	<u>III 122 U.</u>	122 U.S. cities,* week ending October 16, 2004 (41st Week)         All causes, by age (years)						All causes, by age (years)							
Reporting Area	All Ages	<u>&gt;</u> 65	45–64	25–44	1–24	<1	P&I <sup>†</sup> Total	Reporting Area	All Ages	<u>&gt;</u> 65	45-64	25–44	1–24	<1	P&I <sup>†</sup> Total
NEW ENGLAND	537	383	99	30	13	12	51	S. ATLANTIC	1,068	635	262	103	27	41	59
Boston, Mass.	135	83	29	11	7	5	15	Atlanta, Ga.	156	82	37	19	6	12	4
Bridgeport, Conn.	20	17	1	1	-	1	2	Baltimore, Md.	143	75	41	16	5	6	19
Cambridge, Mass.	21	15	3	3	-	-	2	Charlotte, N.C.	82	56	19	4	-	3	4
Fall River, Mass.	26	20	6	-	-	-	3	Jacksonville, Fla.	129	82	30	10	5	2	5
Hartford, Conn.	52	37	11	2	2	-	8	Miami, Fla.	91	49	21	17	1	3	4
Lowell, Mass. Lynn, Mass.	21 10	18 9	3 1	-	-	-	2 1	Norfolk, Va. Richmond, Va.	37 54	21 27	6 18	3 6	2 1	5 2	1 3
New Bedford, Mass.	20	15	3	1	1	_	3	Savannah, Ga.	62	50	10	1	-	1	3
New Haven, Conn.	35	22	7	3	-	3	3	St. Petersburg, Fla.	Ŭ	Ŭ	Ŭ	U	U	Ŭ	Ŭ
Providence, R.I.	41	28	10	2	1	-	2	Tampa, Fla.	199	129	43	15	7	5	12
Somerville, Mass.	5	4	-	1	-	-	-	Washington, D.C.	100	53	36	9	-	2	3
Springfield, Mass.	52	43	7	1	-	1	4	Wilmington, Del.	15	11	1	3	-	-	1
Waterbury, Conn.	27	21	4	2	-	-	2	E.S. CENTRAL	841	557	175	58	28	23	52
Worcester, Mass.	72	51	14	3	2	2	4	Birmingham, Ala.	101	64	18	8	7	4	-
MID. ATLANTIC	2,347	1,664	476	137	34	36	128	Chattanooga, Tenn.	109	79	18	5	3	4	9
Albany, N.Y.	65	50	12	2	-	1	2	Knoxville, Tenn.	101	72	19	6	3	1	4
Allentown, Pa.	21	16	3	2	-	-	-	Lexington, Ky.	63	41	14	1	5	2	3
Buffalo, N.Y.	93	70	17	4	1	1	7	Memphis, Tenn.	149	100	28	13	5	3	15
Camden, N.J. Elizabeth, N.J.	16 17	8 13	7 3	- 1	-	1	1 1	Mobile, Ala. Montgomery, Ala.	100 94	69 62	21 24	8 6	-	2 1	5 6
Erie, Pa.	40	33	6	1	-	-	1	Nashville, Tenn.	94 124	70	33	11	4	6	10
Jersey City, N.J.	40	24	10	5	1	-	-								
New York City, N.Y.	1,352	923	301	80	22	26	62	W.S. CENTRAL	1,467	937	325	128	47	30	78
Newark, N.J.	52	25	14	7	2	4	1	Austin, Tex. Baton Rouge, La.	77 61	45 46	19 10	8 5	2	3	4
Paterson, N.J.	U	U	U	U	U	U	U	Corpus Christi, Tex.	37	27	8	-	-	- 1	-
Philadelphia, Pa.	302	233	49	18	2	-	13	Dallas, Tex.	179	105	47	12	8	7	9
Pittsburgh, Pa.§	30	24	3	2	-	1	2	El Paso, Tex.	92	63	20		-	-	6
Reading, Pa.	24 126	19 90	2 25	2 6	1 3	- 2	2 15	Ft. Worth, Tex.	105	64	24	10	5	2	5
Rochester, N.Y. Schenectady, N.Y.	23	90 18	25	1	-	-	2	Houston, Tex.	350	194	93	43	13	7	23
Scranton, Pa.	27	22	4	-	1	-	3	Little Rock, Ark.	72	50	10	3	3	6	4
Syracuse, N.Y.	40	32	6	1	1	-	8	New Orleans, La.	24	24	-	-	-	-	-
Trenton, N.J.	20	15	4	1	-	-	-	San Antonio, Tex.	290 50	196 32	62 9	18 6	12 1	2 2	17 4
Utica, N.Y.	30	25	3	2	-	-	3	Shreveport, La. Tulsa, Okla.	130	91	23	14	2	-	4 6
Yonkers, N.Y.	29	24	3	2	-	-	5								
E.N. CENTRAL	1,870	1,274	405	111	35	45	131	MOUNTAIN	971	637	208	82	23	21	58
Akron, Ohio	48	33	8	3	1	3	4	Albuquerque, N.M. Boise, Idaho	117 37	77 26	25 5	8 4	4 2	3	7 2
Canton, Ohio	47	38	7	2	-	-	3	Colo. Springs, Colo.	59	35	17	3	1	3	3
Chicago, III.	244	151	65	15	7	6	17	Denver, Colo.	104	60	25	11	3	5	6
Cincinnati, Ohio	105	63	25	2	6	9	10	Las Vegas, Nev.	233	157	52	16	3	5	9
Cleveland, Ohio Columbus, Ohio	200 156	130 108	51 31	15 11	3 2	1 4	9 17	Ogden, Utah	21	15	4	2	-	-	1
Dayton, Ohio	104	77	17	5	3	2	4	Phoenix, Ariz.	121	74	29	14	3	1	13
Detroit, Mich.	154	89	49	8	4	4	14	Pueblo, Colo.	38	28	8	2	-	-	3
Evansville, Ind.	44	34	8	1	1	-	5	Salt Lake City, Utah	94	61	17	12	2	2	7 7
Fort Wayne, Ind.	59	43	9	7	-	-	3	Tucson, Ariz.	147	104	26	10	5	2	1
Gary, Ind.	6	4	2	-	-	-	-	PACIFIC	1,378	940	298	90	25	25	104
Grand Rapids, Mich.	62	42	9	7	1	3	1	Berkeley, Calif.	11	9	1	1	-	-	1
Indianapolis, Ind.	177	112	49	11	-	5	10	Fresno, Calif.	88	62	21	3	2	-	8
Lansing, Mich. Milwaukee, Wis.	56 116	42 84	23	2 7	5 1	1	3 11	Glendale, Calif. Honolulu, Hawaii	11 73	10 53	16	3	-	1	2 7
Peoria, III.	60	44	6	5	1	4	5	Long Beach, Calif.	65	46	10	7	1	1	9
Rockford, III.	50	40	8	1	-	1	5	Los Angeles, Calif.	190	118	44	17	6	5	11
South Bend, Ind.	44	36	6	1	-	1	3	Pasadena, Calif.	28	23	5	-	-	-	1
Toledo, Ohio	93	69	17	7	-	-	3	Portland, Oreg.	124	88	31	3	2	-	7
Youngstown, Ohio	45	35	8	1	-	1	4	Sacramento, Calif.	167	107	42	13	2	3	10
W.N. CENTRAL	525	354	112	33	15	11	37	San Diego, Calif.	122	85	22	10	1	4	10
Des Moines, Iowa	29	25	1	2	1	-	1	San Francisco, Calif.	114	75	27	10	1	1	11
Duluth, Minn.	22	17	2	2	1	-	3	San Jose, Calif.	117	86	24	3	3	1	9 1
Kansas City, Kans.	26	11	9	3	2	1	4	Santa Cruz, Calif. Seattle, Wash.	19 110	12 71	5 21	2 10	-	- 4	1 11
Kansas City, Mo.	111	70	30	6	3	2	5	Spokane, Wash.	58	38	15	3	4	4	3
Lincoln, Nebr.	30	24	4	2	-	-	2	Tacoma, Wash.	81	57	14	5	2	3	3
Minneapolis, Minn.	74	44	19	5	1	5	5								
Omaha, Nebr. St. Louis, Mo.	76 35	56 19	15 10	1 4	3 1	1 1	5 2	TOTAL	11,004¶	7,381	2,360	772	247	244	698
St. Louis, Mo. St. Paul, Minn.	35 61	43	10	4 6	-	1	2								
Wichita, Kans.	61	43 45	11	2	3	-	7								
				-	5		,	1							

U: Unavailable. -: No reported cases.

\* Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of >100,000. A death is reported by the place of its

<sup>1</sup> Total includes unknown ages.

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