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## Drug-Susceptible Tuberculosis Outbreak in a State Correctional Facility Housing HIV-Infected Inmates - South Carolina, 1999-2000

During 1999-2000, South Carolina's Department of Corrections (SCDC), Department of Health and Environmental Control (DHEC), and CDC investigated an outbreak of drugsusceptible tuberculosis (TB) that occurred in a state correctional facility housing human immunodeficiency virus (HIV)-infected inmates. All culture-confirmed case-patients have been linked by IS6110-based DNA fingerprinting of Mycobacterium tuberculosis isolates (1). This report describes the outbreak investigation and illustrates the need for increased vigilance for TB in settings in which HIV-infected persons congregate.

During 1998, SCDC began mandatory HIV testing upon incarceration of all inmates with negative or unknown HIV serostatus, and in November 1998, began segregating HIV-infected prisoners, placing them in three dormitories of one prison with each dormitory partitioned into right and left sides. On admission to the facility, all inmates were screened for TB infection and disease with a tuberculin skin test (TST)* and chest radiography. TST-negative inmates undergo a TST annually.

During mid-August 1999, the source case-patient, a HIV-infected man aged 34 years housed on the right side of one of the dormitories (dormitory A), was diagnosed at a community hospital with sputum acid-fast bacilli (AFB) smear-positive pulmonary TB. His CD4 lymphocyte count was 17 cells/ $\mu \mathrm{L}$ (normal range: 359-1519 cells/ $\mu \mathrm{L}$ )], and he was not receiving antiretroviral therapy. In 1984, he had a documented TST reaction of 15 mm ; however, two attempts to treat his latent TB infection (LTBI) with isoniazid were discontinued because of gastrointestinal side effects. In early July 1999, 6 weeks before his TB diagnosis, he was taken to the same hospital with a 2-week history of fever, abdominal pain, and cough. His chest radiograph was normal; sputum specimens were not obtained for AFB smear and culture, and he was not placed in respiratory isolation. He was returned to the prison in mid-July without a definitive diagnosis. In late August, corrections medical staff learned of a second case of sputum smear-positive pulmonary TB in a former dormitory A inmate who had been released in July 1999.

SCDC and DHEC began a contact investigation of dormitory A inmates in early September 1999. Inmates who had had contact with a case-patient and had signs and symptoms of active TB were transferred from dormitory A to respiratory isolation for

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medical evaluation. The exposure period for identifying contacts was 6 weeks before signs of TB appeared in the source case-patient to the day the last sputum culturepositive case-patient left dormitory A (i.e., May 1-September 30, 1999). The exposed cohort comprised 323 men who had spent from 1 to 152 days (median: 135 days) in dormitory A during that period. Screening consisted of TST, chest radiograph, and symptom review for all dormitory A inmates; follow-up TST was conducted on remaining TSTnegative inmates in December 1999 (Table 1).

As of November 2000, 31 current or former inmates had TB diagnosed (Figure 1). All case-patients were non-Hispanic black men born in the United States and HIVinfected. The median age was 36 years (range: 23-56 years); 19 cases were cultureconfirmed and 19 isolates were tested by IS6110-based DNA fingerprinting and demonstrated a matching nine-band pattern. Of the 31 case-patients, 27 ( $87 \%$ ) resided on the right side of dormitory A during the exposure period; four (13\%) resided on the left. Five case-patients had TB diagnosed after being released from prison; all five were released before the source case-patient had TB diagnosed the previous August. A medical student who examined the source case-patient during the July hospitalization had sputum AFB smear-positive cavitary TB diagnosed in December; the DNA fingerprint of the student's isolate matched the outbreak pattern bringing the number of related cases to 32 .
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Editorial Note: Persons infected with both HIV and M. tuberculosis are at high risk for developing TB disease and for an accelerated progression from TB infection to disease $(2,3)$. Persons with HIV infection who are placed in settings such as prisons, hospital wards, group residences, and homeless shelters contribute to outbreaks of TB (4,5). In this report, the source case-patient was a longterm inmate who developed TB disease after a long period of LTBI and unsuccessful LTBI treatment. The outbreak demonstrates that rapid spread of $M$. tuberculosis to other inmates can be a consequence of segregated housing for HIV-infected inmates.

Because inmates transfer within and among correctional facilities and are released upon completion of their sentence regardless of medical status, correctional health and security records should display prisoners' M. tuberculosis infection, disease, and therapy status. Newly incarcerated inmates whose TST status is negative or unknown should be

TABLE 1. Tuberculin skin test (TST) results among correctional facility inmates housed in dormitory A - South Carolina, August 1999-January 2000

| Results | Left side | Right side* |
| :--- | :---: | :---: |
| Previous positive | 22 | 39 |
| Screening incomplete | 32 | 7 |
| Screening complete | 108 | 115 |
| Negative | 86 | 33 |
| $\geq 5 m m$ or tuberculosis (TB) case | 22 | 82 |
| Percentage TST conversions or TB case ${ }^{\dagger}$ | 20 | 71 |
| Total exposed | $\mathbf{1 6 2}$ | $\mathbf{1 6 1}$ |

[^1]Tuberculosis Outbreak - Continued
FIGURE 1. Number of confirmed cases of tuberculosis among correctional facility inmates housed in dormitory A - South Carolina, August 1999-January 2000

screened for TB infection and disease with medical history and evaluation, TST, and chest radiography. Those with documented positive TST should undergo medical evaluation and chest radiography for signs and symptoms of TB. Medical personnel should attempt to confirm LTBI treatment completion, and treatment of LTBI in prison should be observed directly.

For new HIV-infected inmates, screening for TB infection and disease should be thorough; not all HIV-infected persons manifest a TST reaction in the presence of LTBI and may have atypical or negative findings of active disease on chest radiograph (6-8). Additional screening and control measures (e.g., sputum collection for AFB smear and culture and temporary respiratory isolation) may be necessary before the inmate can be housed with the prison population. Those with an undocumented history of LTBI treatment may need to complete a course of directly observed therapy with either a 9-month course of isoniazid or a 2-month course of a rifamycin and pyrazinamide (9).

The reasons cited by SCDC for segregating HIV-infected inmates included efforts to reduce the transmission of HIV to uninfected prisoners and to improve medical care for HIV-infected inmates. In 2000, the U.S. Supreme Court upheld a law that permits segregation of HIV-infected inmates in Alabama. As a result, more state correctional systems may adopt this practice ( 10 ); therefore, administrative and environmental controls should be strictly maintained. Unlike other acquired immunodeficiency syndrome-associated infections, $M$. tuberculosis is spread from person-to-person by aerosols and poses a risk for all exposed persons regardless of immune status. A diagnosis of infectious TB should be excluded promptly in all inmates with signs and/or symptoms compatible with TB, and

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respiratory isolation measures should be applied until infectious TB disease is excluded. For HIV-infected inmates with respiratory signs and symptoms, a diagnosis of infectious TB should be considered even in the presence of a negative chest radiograph. Correctional health-care providers need continuing education to maintain expertise in managing HIV and TB in settings where HIV-infected inmates are incarcerated.

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## Update: West Nile Virus Activity — Eastern United States, 2000

Data reported to CDC through the West Nile Virus (WNV) Surveillance System have shown an increase in the geographic range of WNV activity in 2000 compared with 1999, the first year that WNV was reported in the Western Hemisphere ( 1 ). In response to this occurrence of WNV, 17 states along the Atlantic and Gulf coasts, New York City, and the District of Columbia conducted WNV surveillance, which included monitoring mosquitoes, sentinel chicken flocks, wild birds, and potentially susceptible mammals (e.g., horses and humans) (2 ). In 1999, WNV was detected in four states (Connecticut, Maryland, New Jersey, and New York) (3). In 2000, epizootic activity in birds and/or mosquitoes was reported from 12 states (Connecticut, Delaware, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, Vermont, and Virginia) and the District of Columbia. Of the 13 jurisdictions, seven also reported severe neurologic WNV infections in humans, horses, and/or other mammal species. This report presents surveillance data reported to CDC from January 1 through November 15.

## West Nile Virus Activity — Continued

During 2000, 18 ( 14 from New York and four from New Jersey) persons were hospitalized with severe central nervous system illnesses caused by WNV. Patients ranged in age from 36 to 87 years (mean: 62 years); 12 were men. Of the New York patients, 10 resided in Richmond County (Staten Island), two in Kings County (Brooklyn), one in Queens County, and one in New York County (Manhattan). Of the New Jersey patients, two resided in Hudson County, and one each in Bergen and Passaic counties. Epizootic activity in birds and/or mosquitoes preceded the onset of human illness in all of these counties. Diagnoses were confirmed either by ELISA for WNV-specific $\operatorname{lgM}$ in cerebrospinal fluid or by a four-fold rise in WNV-specific neutralizing antibody in paired serum samples. Dates of illness onset ranged from July 20 to September 13 (Figure 1). Of the 18 patients, one died (case fatality rate: 6\%), and one is in a persistent vegetative state. In addition, WNV infection was documented in a mildly symptomatic woman residing in Fairfield County, Connecticut.

Veterinary surveillance has identified WNV infections in 65 horses with severe neurologic disease from 26 counties in seven states ( 27 horses in New Jersey; 24 in New York; seven in Connecticut; four in Delaware; and one each in Massachusetts, Pennsylvania, and Rhode Island). Illness onsets in these horses ranged from August 15 to October 29 (Figure 1). WNV infection has been confirmed in 26 other mammals; of these, 25 were from 10 counties in New York ( 14 bats, four rodents, three rabbits, two cats, two raccoons), and one was from Connecticut (skunk).

WNV was isolated from or WNV gene sequences were detected in 470 mosquito pools in 38 counties in five states ( 352 pools in New York, 54 in New Jersey, 46 in Pennsylvania, 14 in Connecticut, and four in Massachusetts). Of the 470 reported WNV-infected pools, Culex species accounted for 418 , including 222 Cx. pipiens/restuans, 126 Cx. pipiens, 35 Cx. salinarus, 11 Cx. restuans, and 24 unspecified $C x$. pools. Ochlerotatus species (formerly in Aedes genus) (4) accounted for 29 positive pools, including nine Oc. japonicus, nine Oc. triseriatus, eight Oc. trivittatus, and one each of three other Oc. species. Aedes species accounted for 18 positive pools, including

FIGURE 1. Number* of reported humans and horses with severe neurologic illness attributed to West Nile virus, by week of symptom onset - United States, 2000


* $\mathrm{N}=18$ humans and 65 horses.

West Nile Virus Activity - Continued
16 Ae. vexans, one Ae. albopictus, and one unspecified Ae. pool. In addition, WNV was detected in three pools of Culiseta melanura, one pool of Psorophora ferox, and one pool of Anopheles punctipennis.

A total of 4139 WNV-infected dead birds were reported from 133 counties in 12 states (New York reported 1263 birds; New Jersey, 1125; Connecticut, 1116; Massachusetts, 442; Rhode Island, 87; Maryland, 50; Pennsylvania, 34; New Hampshire, seven; Virginia, seven; Delaware, one; North Carolina, one; and Vermont, one) and the District of Columbia (five). Crows were the most frequently reported WNV-infected species. Since 1999, WNV has been identified in 76 avian species in the United States. WNV infection also was documented in specimens collected from six previously seronegative sentinel chickens in six counties in two states (New Jersey, four and New York, two).
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Editorial Note: Although the WNV epizootic has persisted in the four states originally affected in 1999 and expanded into eight additional states and the District of Columbia, only 18 humans with severe neurologic illness attributed to WNV were reported in 2000 compared with 62 in 1999 (5). However, severe neurologic illness occurs in $<1 \%$ of infected persons, suggesting that approximately 2000 persons may have been infected during 2000. Although some decrease in severe human illness may be attributable to vector-control and other prevention activities, experience in Europe shows that the incidence of human illness can be variable and outbreaks sporadic (6). Because widespread WNV epizootic activity probably will persist and expand in the United States, larger outbreaks of WNV infection and human illness are possible if adequate surveillance, prevention activities, and mosquito control are not established and maintained.

A major objective of WNV surveillance is to detect epizootic activity early so that intervention can occur before severe human illnesses. In 2000, all 18 persons with severe neurologic disease became ill after WNV-infected dead birds were identified in

## West Nile Virus Activity - Continued

their county of residence, suggesting that avian surveillance data are a sensitive indicator of epizootic transmission that may portend human illness. However, of 133 counties reporting WNV-infected birds, only seven (5\%) reported at least one person with severe neurologic illness. The presence of WNV-positive mosquito pools may indicate a greater potential for severe human illness as six (16\%) of the 38 counties with positive pools reported at least one severely ill person. But these pools were identified before the onset of human illness in only five of these counties. Further analysis of 2000 surveillance data, including an assessment of the timing, number, and geographic location of WNV-infected birds, and an assessment of mosquito-trapping activities, infection rates, and species identified are required to further interpret these data.

As occurred in 1999, the number of reported WNV illnesses in horses peaked and persisted after human illnesses (7). Although more data are needed to determine the reasons for this relative delay, it appears that horses are not a sensitive sentinel for the prediction of human illness.

The continued geographic expansion of WNV indicates the need for expanded surveillance and prevention activities. Surveillance should include monitoring WNV infection in birds, humans, and veterinary species and in mosquitoes, particularly when WNV activity has been identified (5). Prevention should include programs that 1) eliminate mosquito-breeding habitats in public areas; 2 ) control mosquito larvae where these habitats cannot be eliminated; 3) promote the increased use of personal protection and the reduction of peridomestic conditions that support mosquito breeding; and 4) implement adult mosquito control when indicated by increasing WNV activity or the occurrence of human disease. In addition, because arbovirus infections are endemic in the continental United States, states should have a comprehensive plan and a functional arbovirus surveillance and response capacity that includes trained personnel with suitable laboratory support for identifying arbovirus activity, including WNV (5).

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## Measles, Rubella, and Congenital Rubella Syndrome United States and Mexico, 1997-1999

In 1996, the Immunization Working Group of the Mexico-United States Binational Commission was established to enhance coordination of disease surveillance, assure high vaccination coverage in both countries, and hasten the elimination of vaccinepreventable diseases. The United States and Mexico share the Pan American Health Organization (PAHO) goal of measles elimination by 2000 (1). The United States also established a goal of eliminating indigenous rubella and congenital rubella syndrome (CRS) by 2000 (2). This report summarizes the measles and rubella vaccination and surveillance data for the United States and Mexico for 1997-1999.

## Measles in the United States

Measles epidemiology in the United States is monitored through the National Notifiable Diseases Surveillance System (NNDSS). Record low numbers of measles cases were reported in the United States for 1997 (138 cases), 1998 (100), and 1999 (100), corresponding to 0.5 cases per 100,000 population (Figure 1). Among these 338 cases, $116(34 \%)$ were imported from other countries, 63 (19\%) were epidemiologically linked to imported cases, and 39 ( $12 \%$ ) showed virologic evidence of importation. The remaining 120 cases ( $36 \%$ ) were not attributed to importation. None of the 338 cases reported during 1997-1999 was imported from Mexico. Surveillance quality indicators were implemented in 1996. In March 1999, a panel of experts concluded that measles was no longer endemic in the United States (3).

Measles vaccination levels among children aged 2 years increased from 61\% in 1985 (CDC, unpublished data, 1998) to $91 \%$ in 1997 (4). As of the 1998-99 school year, state laws requiring a second dose for students in grades K-12 applied to $60 \%$ of U.S. students (CDC, unpublished data, 2000).

## Measles in Mexico

Measles epidemiology in Mexico was monitored through the Single Epidemiological Surveillance System (SUIVE) until 1993, when the Febrile Exanthematic Disease Surveillance System (FEDSS) was established to incorporate laboratory information to distinguish among viral causes of rash illnesses.

During 1997-1999, no confirmed cases of measles were reported (5). National surveillance indicator goals to evaluate the quality of FEDSS were established in 1993, and by 1999, most goals had been met.

After 1990, when 68,782 cases ( 80 per 100,000 ) and 5,899 deaths were attributed to measles ( 6 ), multiple strategies have resulted in high vaccination coverage in children (Figure 1). In May 1998, the National Immunization Council replaced measles-only childhood vaccination with measles-mumps-rubella (MMR) vaccine, moving the first dose from 9 to 12 months and keeping the second dose at age 6 years. National Health Weeks are conducted three times a year, during which unvaccinated preschool and first-grade children are vaccinated. During 1997, among children aged 1 to 4 years, first-dose coverage was $97 \%$, a level that was maintained during 1998-1999.

## Rubella and CRS in the United States

Rubella and CRS incidence is monitored through NNDSS and the National Congenital Rubella Syndrome Registry. Rubella vaccine was licensed in 1969, and since 1979, has been administered in combination as MMR; rubella coverage closely approximates measles coverage.

FIGURE 1. Measles incidence rate*, by year — Mexico and United States, 1960-1999

*Per 100,000 population.
${ }^{\dagger}$ In 1991, measles vaccine was administered house-to-house to children aged 9 to 59 months throughout Mexico.
${ }^{\text {§ }}$ In 1993, Mexico initiated the Pan American Health Organization measles elimination strategy to vaccinate children up to age 14 years regardless of vaccination or measles illness history.
§ In 1998, Mexican children aged 1-4 years received measles vaccination irrespective of vaccination or measles illness history.

In the United States in 1997, 1998, and 1999, 172, 353, and 267 confirmed cases of rubella were reported, respectively, corresponding to $<0.5$ cases per 100,000 population (Figure 2). Most of these cases occurred among Hispanic men. Of the 788 cases for whom age was known, 676 ( $80.4 \%$ ) were aged $15-44$ years. Of the 790 case-patients for which sex was known, 507 ( $64.0 \%$ ) were men. Of the 755 for whom ethnicity was reported, 587 ( $77.7 \%$ ) were Hispanic; the percentage of reported rubella cases among Hispanics increased from $19.0 \%$ in 1991 to $77.6 \%$ in 1999. Since 1998, of the 340 out-break-related cases with known country of origin, 273 ( $80.0 \%$ ) occurred among persons who were non-U.S. born. Of the 661 cases for which importation status was known, 54 ( $8.2 \%$ ) were internationally imported; of these, exposures occurred in Mexico, Central and South America, the Spanish-speaking Caribbean, Japan, and Russia.

Of 24 infants with laboratory-confirmed CRS born during 1997-1999, 20 (83.3\%) were born to Hispanic mothers, 14 ( $58.3 \%$ ) were born to non-U.S.-born mothers, and 10 ( $41.7 \%$ ) had maternal exposure to rubella outside the United States and were considered imported cases.

## Rubella and CRS in Mexico

Rubella epidemiology in Mexico has been monitored since 1978 as clinically diagnosed cases reported to SUIVE or, since 1993, as laboratory-confirmed cases evaluated by FEDSS; once confirmed as rubella, FEDSS also followed women infected during pregnancy to detect potential cases of CRS. In 1998, rubella vaccine was introduced into the childhood vaccination schedule as 2-dose MMR at age 1 and 6 years.

Measles, Rubella, and Congenital Rubella Syndrome - Continued
FIGURE 2. Rubella incidence rates*, by year - Mexico, 1978-1999, and United States, 1967-1999


* Per 100,000 population.

From 1978 through 1999, reported rubella cases peaked every 3-5 years, with the highest number of cases (65,591; rate: 79 per 100,000 population) reported in 1990. From 1997 to 1999, 38,042; 51,846; and 21,173 rubella cases, respectively, were reported to SUIVE (Figure 2). Compared with 1990, in 1999, reported rubella cases decreased $68 \%$. During 1997-1999, 37,346 (33.6\%) of the reported case-patients were aged 15-44 years. Of the 4650 cases of rash illness investigated by FEDSS during this time, 3277 ( $70.5 \%$ ) were classified as rubella, and 1373 ( $29.5 \%$ ) were classified as other rash illnesses. Surveillance among 266 pregnant women infected during rubella outbreaks from 1997 to 1999 detected 50 confirmed cases of CRS.
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Editorial Note: Since the measles epidemic during 1989-1991, substantial progress has been made in vaccination programs in Mexico and the United States, as evidenced by the control of measles in both countries. Mexico reported no cases during 1997-1999, despite enhanced surveillance for measles that includes investigating $>1500$ suspected cases each year. In the United States, the low number of reported cases, the

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending November 18, 2000, with historical data


* Ratio of current 4-week total to mean of 154 -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 November 18, 2000 (46th Week)

|  | Cum. 2000 |  | Cum. 2000 |
| :---: | :---: | :---: | :---: |
| Anthrax | - | Poliomyelitis, paralytic | - |
| Brucellosis* | 58 | Psittacosis* | 10 |
| Cholera | 2 | Q fever* | 21 |
| Cyclosporiasis* | 38 | Rabies, human | 1 |
| Diphtheria | 2 | Rocky Mountain spotted fever (RMSF) | 391 |
| Ehrlichiosis: human granulocytic (HGE)* | 161 | Rubella, congenital syndrome | 6 |
| human monocytic (HME)* | 92 | Streptococcal disease, invasive, group A | 2,466 |
| Encephalitis: California serogroup viral* | 101 | Streptococcal toxic-shock syndrome* | 66 |
| eastern equine* | 2 | Syphilis, congenital ${ }^{\text {d }}$ | 175 |
| St. Louis* | 3 | Tetanus | 24 |
| western equine* | $-$ | Toxic-shock syndrome | 120 |
| Hansen disease (leprosy)* | 55 | Trichinosis | 14 |
| Hantavirus pulmonary syndrome* ${ }^{\text {+ }}$ | 27 | Tularemia* | 105 |
| Hemolytic uremic syndrome, postdiarrheal* | 171 | Typhoid fever | 292 |
| HIV infection, pediatric*§ | 190 | Yellow fever | - |
| Plague | 6 |  |  |

[^2]TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending November 18, 2000, and November 20, 1999 (46th Week)

| Reporting Area | AIDS |  | Chlamydia ${ }^{\dagger}$ |  | Cryptosporidiosis |  | Escherichia coli 0157:H7* |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | NETSS | PHLIS |  |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000^{\text { }} \end{aligned}$ | Cum. 1999 |  |  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ |
| UNITED STATES | 33,120 | 38,849 | 575,352 | 582,075 |  |  | 2,378 | 2,394 | 4,082 | 3,417 | 2,865 | 2,552 |
| NEW ENGLAND | 1,699 | 1,998 | 18,578 | 18,814 | 100 | 175 | 367 | 386 | 346 | 354 |
| Maine | 28 | 68 | 1,300 | 916 | 20 | 27 | 31 | 36 | 26 |  |
| N.H. | 29 | 46 | 885 | 875 | 21 | 17 | 35 | 32 | 34 | 33 |
| Vt. | 32 | 16 | 476 | 429 | 26 | 35 | 33 | 32 | 33 | 20 |
| Mass. | 1,061 | 1,318 | 7,777 | 7,977 | 30 | 68 | 157 | 169 | 156 | 182 |
| R.I. | 84 | 90 | 2,249 | 2,075 | 3 | 6 | 18 | 27 | 16 | 26 |
| Conn. | 465 | 460 | 5,891 | 6,542 | - | 22 | 93 | 90 | 81 | 93 |
| MID. ATLANTIC | 7,189 | 10,137 | 52,147 | 58,573 | 171 | 525 | 377 | 338 | 234 | 130 |
| Upstate N.Y. | 694 | 1,192 | N | N | 118 | 153 | 277 | 264 | 58 | 3 |
| N.Y. City | 3,765 | 5,371 | 22,154 | 24,079 | 10 | 227 | 10 | 17 | 10 | 17 |
| N.J. | 1,461 | 1,845 | 7,436 | 11,006 | 12 | 44 | 90 | 57 | 106 | 63 |
| Pa. | 1,269 | 1,729 | 22,557 | 23,488 | 31 | 101 | N | N | 60 | 47 |
| E.N. CENTRAL | 3,190 | 2,603 | 93,304 | 98,361 | 759 | 605 | 945 | 933 | 533 | 502 |
| Ohio | 489 | 437 | 22,758 | 26,140 | 252 | 62 | 254 | 229 | 203 | 212 |
| Ind. | 324 | 282 | 11,286 | 10,742 | 57 | 39 | 131 | 95 | 77 | 64 |
| 1 II . | 1,597 | 1,202 | 25,282 | 28,950 | 7 | 85 | 182 | 489 | - | 84 |
| Mich. | 604 | 550 | 22,111 | 20,352 | 94 | 49 | 135 | 120 | 103 | 78 |
| Wis. | 176 | 132 | 11,867 | 12,177 | 349 | 370 | 243 | N | 150 | 64 |
| W.N. CENTRAL | 767 | 865 | 31,786 | 33,418 | 351 | 194 | 642 | 499 | 540 | 524 |
| Minn. | 153 | 159 | 6,502 | 6,701 | 132 | 74 | 198 | 160 | 171 | 181 |
| lowa | 75 | 70 | 4,294 | 4,263 | 75 | 55 | 179 | 106 | 139 | 77 |
| Mo. | 349 | 410 | 10,486 | 11,836 | 29 | 24 | 104 | 42 | 92 | 61 |
| N. Dak. | 2 | 6 | 628 | 825 | 15 | 18 | 19 | 16 | 20 | 18 |
| S. Dak. | 7 | 13 | 1,617 | 1,363 | 15 | 7 | 54 | 44 | 57 | 60 |
| Nebr. | 65 | 58 | 3,084 | 3,057 | 76 | 14 | 62 | 101 | 45 | 112 |
| Kans. | 116 | 149 | 5,175 | 5,373 | 9 | 2 | 26 | 30 | 16 | 15 |
| S. ATLANTIC | 9,203 | 10,705 | 113,163 | 123,669 | 438 | 347 | 349 | 309 | 258 | 178 |
| Del. | 183 | 146 | 2,551 | 2,455 | 6 | - | 1 | 6 | 1 | 3 |
| Md. | 1,131 | 1,322 | 11,648 | 11,758 | 10 | 17 | 30 | 41 | 1 | 4 |
| D.C. | 695 | 493 | 2,822 | N | 16 | 7 | 1 | 1 | U | U |
| Va . | 598 | 752 | 14,053 | 12,727 | 17 | 26 | 69 | 69 | 56 | 57 |
| W. Va. | 56 | 61 | 1,442 | 1,623 | 3 | 3 | 14 | 14 | 12 | 9 |
| N.C. | 609 | 692 | 19,452 | 19,759 | 25 | 25 | 87 | 68 | 65 | 52 |
| S.C. | 703 | 899 | 8,746 | 16,717 |  | - | 21 | 19 | 14 | 14 |
| Ga. | 1,050 | 1,466 | 23,255 | 30,034 | 161 | 123 | 40 | 30 | 36 | 1 |
| Fla. | 4,178 | 4,874 | 29,194 | 28,596 | 200 | 146 | 86 | 61 | 73 | 38 |
| E.S. CENTRAL | 1,644 | 1,717 | 43,278 | 40,625 | 44 | 33 | 124 | 133 | 94 | 102 |
| Kу. | 169 | 242 | 7,083 | 6,630 | 5 | 6 | 42 | 46 | 31 | 34 |
| Tenn. | 706 | 671 | 13,115 | 12,710 | 11 | 10 | 53 | 55 | 45 | 43 |
| Ala. | 420 | 420 | 13,134 | 11,124 | 15 | 12 | 11 | 24 | 9 | 21 |
| Miss. | 349 | 384 | 9,946 | 10,161 | 13 | 5 | 18 | 8 | 9 | 4 |
| W.S. CENTRAL | 3,413 | 4,086 | 88,847 | 82,461 | 122 | 83 | 178 | 135 | 223 | 142 |
| Ark. | 159 | 185 | 5,153 | 5,414 | 13 | 2 | 57 | 15 | 38 | 14 |
| La. | 606 | 744 | 16,177 | 14,746 | 10 | 24 | 9 | 14 | 46 | 14 |
| Okla. | 291 | 125 | 8,083 | 7,290 | 17 | 10 | 19 | 36 | 14 | 27 |
| Tex. | 2,357 | 3,032 | 59,434 | 55,011 | 82 | 47 | 93 | 70 | 125 | 87 |
| MOUNTAIN | 1,232 | 1,512 | 32,990 | 29,326 | 170 | 91 | 412 | 309 | 233 | 236 |
| Mont. | 12 | 13 | 1,221 | 1,393 | 10 | 10 | 30 | 24 |  | - |
| Idaho | 19 | 20 | 1,665 | 1,558 | 23 | 8 | 70 | 63 | - | 43 |
| Wyo. | 9 | 11 | 700 | 670 | 5 | 1 | 17 | 15 | 9 | 16 |
| Colo. | 291 | 289 | 8,441 | 5,698 | 71 | 12 | 158 | 111 | 104 | 88 |
| N. Mex. | 126 | 79 | 4,237 | 4,392 | 20 | 39 | 23 | 12 | 16 | 6 |
| Ariz. | 403 | 743 | 11,402 | 10,908 | 11 | 12 | 49 | 32 | 37 | 21 |
| Utah | 117 | 128 | 2,029 | 1,910 | 26 | N | 52 | 35 | 67 | 47 |
| Nev. | 255 | 229 | 3,295 | 2,797 | 4 | 9 | 13 | 17 | - | 15 |
| PACIFIC | 4,783 | 5,226 | 101,259 | 96,828 | 223 | 341 | 688 | 375 | 404 | 384 |
| Wash. | 445 | 304 | 11,202 | 10,695 | N | N | 219 | 144 | 173 | 173 |
| Oreg. | 146 | 185 | 4,361 | 5,359 | 19 | 91 | 152 | 67 | 111 | 68 |
| Calif. | 4,072 | 4,631 | 80,884 | 76,249 | 204 | 250 | 274 | 150 | 108 | 131 |
| Alaska | 21 | 13 | 2,150 | 1,673 |  |  | 28 | 1 | 1 | 1 |
| Hawaii | 99 | 93 | 2,662 | 2,852 | - | - | 15 | 13 | 11 | 11 |
| Guam | 15 | 12 | - | 432 | - | - | N | N | U | U |
| P.R. | 1,134 | 1,174 | 3,481 | U | - | - | 6 | 5 | U | U |
| V.I. | 31 | 35 | U | U | U | U | U | U | U | U |
| Amer. Samoa | , | - | U | U | U | U | U | U | U | U |
| C.N.M.I. | - | - | U | U | U | U | U | U | U | U |

N : Not notifiable. $\quad \mathrm{U}$ : Unavailable. $\quad-:$ No reported cases.
C.N.M.I.: Commonwealth of Northern Mariana Islands.

* Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).
${ }^{\dagger}$ Chlamydia refers to genital infections caused by C. trachomatis. Totals reported to the Division of STD Prevention, NCHSTP.
${ }^{\text {s }}$ Updated monthly from reports to the Division of HIV/AIDS Prevention - Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update October 29, 2000.

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending November 18, 2000, and November 20, 1999 (46th Week)

| Reporting Area | Gonorrhea |  | Hepatitis C; Non-A, Non-B |  | Legionellosis |  | Listeriosis <br> Cum. <br> 2000 | Lyme Disease |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000^{\text { }} \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \end{aligned}$ |  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Cum. } \\ & 1999 \end{aligned}$ |
| UNITED STATES | 300,986 | 320,596 | 2,649 | 2,598 | 867 | 906 | 610 | 12,093 | 14,131 |
| NEW ENGLAND | 5,202 | 5,872 | 14 | 15 | 49 | 70 | 47 | 4,128 | 4,267 |
| Maine | 79 | 70 | 2 | 2 | 2 | 3 | 2 |  | 41 |
| N.H. | 91 | 98 | - | - | 2 | 8 | 2 | 59 | 20 |
| V . | 60 | 44 | 4 | 7 | 5 | 14 | 3 | 29 | 23 |
| Mass. | 2,117 | 2,210 | 3 | 3 | 15 | 25 | 25 | 1,089 | 750 |
| R.I. | 568 | 522 | 5 | 3 | 8 | 9 | 1 | 530 | 464 |
| Conn. | 2,287 | 2,928 | - | - | 17 | 11 | 14 | 2,421 | 2,969 |
| MID. ATLANTIC | 32,577 | 35,285 | 607 | 116 | 193 | 226 | 146 | 6,131 | 7,496 |
| Upstate N.Y. | 6,407 | 5,965 | 61 | 52 | 85 | 58 | 80 | 3,403 | 3,489 |
| N.Y. City | 9,699 | 10,965 | - | - |  | 43 | 27 | 21 | 133 |
| N.J. | 5,081 | 6,952 | 510 | - | 14 | 18 | 20 | 1,448 | 1,611 |
| Pa . | 11,390 | 11,403 | 36 | 64 | 94 | 107 | 19 | 1,259 | 2,263 |
| E.N. CENTRAL | 56,587 | 61,957 | 199 | 855 | 228 | 242 | 104 | 315 | 568 |
| Ohio | 13,841 | 16,129 | 12 | 3 | 106 | 68 | 52 | 82 | 43 |
| Ind. | 5,355 | 5,659 | 1 | 1 | 37 | 39 | 7 | 32 | 17 |
| III. | 16,937 | 20,477 | 16 | 47 | 9 | 30 | 11 | 11 | 17 |
| Mich. | 15,401 | 14,229 | 170 | 788 | 49 | 63 | 29 |  | 11 |
| Wis. | 5,053 | 5,463 | - | 16 | 27 | 42 | 5 | 190 | 480 |
| W.N. CENTRAL | 14,595 | 14,736 | 444 | 263 | 55 | 49 | 14 | 361 | 290 |
| Minn. | 2,571 | 2,530 | 5 | 10 | 7 | 9 | 5 | 267 | 178 |
| Iowa | 1,031 | 1,068 | 2 | - | 13 | 12 | 3 | 30 | 22 |
| Mo. | 7,138 | 7,340 | 421 | 249 | 24 | 17 | 5 | 41 | 63 |
| N. Dak. | 39 | 74 | - | 1 | - | 2 | 1 | 1 | 1 |
| S. Dak. | 260 | 164 | - | - | 2 | 3 | - |  |  |
| Nebr. | 1,187 | 1,288 | 6 | 3 | 4 | 6 | - | 4 | 11 |
| Kans. | 2,369 | 2,272 | 10 | - | 5 | - | - | 18 | 15 |
| S. ATLANTIC | 83,585 | 94,541 | 113 | 147 | 180 | 129 | 100 | 918 | 1,210 |
| Del. | 1,537 | 1,509 | - |  | 10 | 17 | 2 | 140 | 135 |
| Md. | 8,094 | 8,982 | 18 | 21 | 63 | 32 | 22 | 503 | 837 |
| D.C. | 2,328 | 3,297 | 3 | 1 | 5 | 4 |  | 8 | 4 |
| Va . | 9,297 | 8,527 | 3 | 10 | 31 | 30 | 7 | 139 | 112 |
| W. Va. | 465 | 510 | 14 | 17 | N | N | 4 | 29 | 17 |
| N.C. | 15,964 | 17,567 | 17 | 33 | 15 | 14 |  | 44 | 67 |
| S.C. | 10,737 | 13,104 | 3 | 22 | 4 | 11 | 9 | 9 | 6 |
| Ga. | 15,161 | 20,616 | 3 | 1 | 7 | 1 | 21 |  | - |
| Fla. | 20,002 | 20,429 | 52 | 42 | 45 | 20 | 35 | 46 | 32 |
| E.S. CENTRAL | 31,245 | 32,421 | 391 | 286 | 31 | 46 | 19 | 46 | 96 |
| Ky. | 3,132 | 3,005 | 34 | 21 | 18 | 18 | 3 | 11 | 17 |
| Tenn. | 10,404 | 10,222 | 88 | 108 | 10 | 22 | 12 | 28 | 55 |
| Ala. | 10,227 | 9,841 | 8 | 1 | 3 | 4 | 4 | 6 | 20 |
| Miss. | 7,482 | 9,353 | 261 | 156 | - | 2 | - | 1 | 4 |
| W.S. CENTRAL | 46,970 | 47,300 | 423 | 507 | 16 | 30 | 15 | 44 | 54 |
| Ark. | 2,812 | 2,965 | 9 | 27 | - | 1 | 1 | 4 | 4 |
| La. | 11,972 | 11,788 | 291 | 285 | 6 | 8 | - | 3 | 9 |
| Okla. | 3,619 | 3,600 | 8 | 15 | 3 | 3 | 6 | 1 | 7 |
| Tex. | 28,567 | 28,947 | 115 | 180 | 7 | 18 | 8 | 36 | 34 |
| MOUNTAIN | 9,037 | 8,561 | 293 | 192 | 44 | 42 | 33 | 30 | 16 |
| Mont. | 45 | 48 | 5 | 5 | 1 | - |  |  | - |
| Idaho | 77 | 78 | 3 | 7 | 5 | 2 | - | 3 | 3 |
| Wyo. | 43 | 27 | 211 | 62 | 2 | - | 1 | 9 | 3 |
| Colo. | 2,617 | 2,243 | 28 | 32 | 15 | 11 | 8 | 11 | 3 |
| N. Mex. | 953 | 874 | 13 | 32 | 1 | 1 | 2 |  | 1 |
| Ariz. | 3,790 | 3,924 | 18 | 40 | 8 | 6 | 13 | - | 2 |
| Utah | 207 | 200 | 2 | 6 | 12 | 16 | 4 | 3 | 2 |
| Nev. | 1,305 | 1,167 | 13 | 8 | - | 6 | 5 | 4 | 2 |
| PACIFIC | 21,188 | 19,923 | 165 | 217 | 71 | 72 | 132 | 120 | 134 |
| Wash. | 2,023 | 1,873 | 29 | 19 | 18 | 17 | 7 | 9 | 10 |
| Oreg. | 652 | 773 | 27 | 19 | N | N | 5 | 15 | 12 |
| Calif. | 17,866 | 16,600 | 107 | 179 | 53 | 53 | 117 | 94 | 112 |
| Alaska | 305 | 268 | - | - | - | 1 | - | 2 | - |
| Hawaii | 342 | 409 | 2 | - | - | 1 | 3 | N | N |
| Guam | - | 48 | - | 1 | - | - | - | - | - |
| P.R. | 596 | 300 | 1 | - | 1 | - | - | N | N |
| V.I. | U | U | U | U | U | U | - | U | U |
| Amer. Samoa | U | U | U | U | U | U | - | U | U |
| C.N.M.I. | U | U | U | U | U | U | - | U | U |

N : Not notifiable.
U: Unavailable.

- : No reported cases.

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending November 18, 2000, and November 20, 1999 (46th Week)

| Reporting Area | Malaria |  | Rabies, Animal |  | Salmonellosis* |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | NETSS | PHLIS |  |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ |  |  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{gathered} \hline \text { Cum. } \\ 1999 \end{gathered}$ |
| UNITED STATES | 1,101 | 1,298 | 5,269 | 6,028 | 33,205 | 34,988 | 26,945 | 29,993 |
| NEW ENGLAND | 60 | 57 | 752 | 803 | 1,978 | 2,004 | 1,874 | 2,044 |
| Maine | 6 | 3 | 126 | 160 | 115 | 123 | 83 | 99 |
| N.H. | 1 | 2 | 21 | 45 | 128 | 125 | 128 | 128 |
| Vt. | 3 | 4 | 55 | 86 | 104 | 87 | 109 | 79 |
| Mass. | 23 | 20 | 245 | 199 | 1,118 | 1,080 | 1,022 | 1,104 |
| R.I. | 8 | 4 | 56 | 89 | 122 | 121 | 128 | 149 |
| Conn. | 19 | 24 | 249 | 224 | 391 | 468 | 404 | 485 |
| MID. ATLANTIC | 216 | 383 | 947 | 1,192 | 3,688 | 4,809 | 3,775 | 4,729 |
| Upstate N.Y. | 77 | 65 | 650 | 840 | 1,117 | 1,213 | 1,145 | 1,227 |
| N.Y. City | 76 | 225 | U | U | 855 | 1,327 | 816 | 1,366 |
| N.J. | 33 | 52 | 179 | 168 | 774 | 1,055 | 670 | 1,029 |
| Pa. | 30 | 41 | 118 | 184 | 942 | 1,214 | 1,144 | 1,107 |
| E.N. CENTRAL | 114 | 156 | 145 | 163 | 4,635 | 4,968 | 2,995 | 4,302 |
| Ohio | 20 | 18 | 50 | 35 | 1,353 | 1,192 | 1,279 | 987 |
| Ind. | 6 | 20 | - | 13 | 587 | 484 | 513 | 433 |
| III. | 46 | 70 | 22 | 10 | 1,303 | 1,481 | 1 | 1,439 |
| Mich. | 31 | 40 | 67 | 84 | 809 | 922 | 841 | 905 |
| Wis. | 11 | 8 | 6 | 21 | 583 | 889 | 361 | 538 |
| W.N. CENTRAL | 56 | 73 | 489 | 677 | 2,161 | 2,055 | 2,220 | 2,218 |
| Minn. | 27 | 41 | 83 | 103 | 495 | 522 | 590 | 659 |
| lowa | 3 | 13 | 72 | 145 | 338 | 232 | 291 | 211 |
| Mo. | 10 | 13 | 50 | 29 | 644 | 683 | 812 | 808 |
| N. Dak. | 2 | - | 107 | 134 | 55 | 44 | 70 | 60 |
| S. Dak. | 1 | - | 87 | 167 | 90 | 89 | 97 | 113 |
| Nebr. | 7 | 1 | 2 | 4 | 202 | 177 | 91 | 156 |
| Kans. | 6 | 5 | 88 | 95 | 337 | 308 | 269 | 211 |
| S. ATLANTIC | 298 | 307 | 2,162 | 1,950 | 7,363 | 8,010 | 4,914 | 5,943 |
| Del. | 5 | 1 | 49 | 50 | 102 | 153 | 126 | 141 |
| Md. | 100 | 88 | 376 | 367 | 738 | 782 | 673 | 823 |
| D.C. | 15 | 18 | - | - | 60 | 70 | U | U |
| Va. | 49 | 67 | 520 | 523 | 915 | 1,162 | 816 | 944 |
| W. Va. | 4 | 2 | 107 | 103 | 150 | 159 | 137 | 144 |
| N.C. | 34 | 26 | 517 | 403 | 1,010 | 1,208 | 1,003 | 1,218 |
| S.C. | 2 | 15 | 142 | 132 | 666 | 608 | 502 | 477 |
| Ga. | 26 | 22 | 306 | 204 | 1,381 | 1,373 | 1,453 | 1,540 |
| Fla. | 63 | 68 | 145 | 168 | 2,341 | 2,495 | 204 | 656 |
| E.S. CENTRAL | 44 | 23 | 191 | 243 | 2,127 | 1,984 | 1,484 | 1,358 |
| Kу. | 18 | 7 | 20 | 35 | 353 | 374 | 230 | 263 |
| Tenn. | 11 | 8 | 97 | 87 | 584 | 529 | 644 | 550 |
| Ala. | 14 | 7 | 74 | 119 | 615 | 553 | 521 | 454 |
| Miss. | 1 | 1 | - | 2 | 575 | 528 | 89 | 91 |
| W.S. CENTRAL | 18 | 15 | 72 | 451 | 3,710 | 3,459 | 3,854 | 2,557 |
| Ark. | 3 | 3 | 20 | 14 | 671 | 618 | 587 | 226 |
| La. | 7 | 10 | - | - | 248 | 686 | 629 | 555 |
| Okla. | 8 | 2 | 52 | 86 | 360 | 417 | 233 | 325 |
| Tex. | 8 | - | 52 | 351 | 2,431 | 1,738 | 2,405 | 1,451 |
| MOUNTAIN | 47 | 42 | 233 | 201 | 2,582 | 2,742 | 1,932 | 2,365 |
| Mont. | 1 | 4 | 64 | 55 | 87 | 70 | - | 1 |
| Idaho | 3 | 3 | 9 |  | 110 | 112 | - | 97 |
| Wyo. | - | 1 | 50 | 42 | 59 | 66 | 37 | 56 |
| Colo. | 22 | 17 | - | 1 | 670 | 669 | 609 | 655 |
| N. Mex. | - | 3 | 19 | 9 | 217 | 348 | 182 | 277 |
| Ariz. | 9 | 6 | 72 | 78 | 737 | 819 | 673 | 737 |
| Utah | 6 | 4 | 10 | 8 | 465 | 476 | 431 | 493 |
| Nev. | 6 | 4 | 9 | 8 | 237 | 182 |  | 49 |
| PACIFIC | 248 | 242 | 278 | 348 | 4,961 | 4,957 | 3,897 | 4,477 |
| Wash. | 31 | 24 | - | - | 538 | 601 | 547 | 768 |
| Oreg. | 39 | 20 | 7 | 4 | 286 | 390 | 330 | 429 |
| Calif. | 167 | 185 | 248 | 337 | 3,868 | 3,602 | 2,783 | 2,991 |
| Alaska |  | 1 | 23 | 7 | 57 | 53 | 23 | 31 |
| Hawaii | 11 | 12 | - | - | 212 | 311 | 214 | 258 |
| Guam | - | - | - | - | - | 36 | U | U |
| P.R. | 4 | - | 76 | 68 | 501 | 556 | U | U |
| V.I. | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U |
| N : Not notifiable. <br> * Individual cases Public Health La | be repo tory Inf | able. ough b n Syste | -: No re Nation LIS). | cases. tronic T | munic | stem for | eillance | S) and |

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending November 18, 2000, and November 20, 1999 (46th Week)

| Reporting Area | Shigellosis* |  |  |  | Syphilis (Primary \& Secondary) |  | Tuberculosis |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | NETSS |  | PHLIS |  |  |  |  |  |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & \hline 1999 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & \hline 1999 \\ & \hline \end{aligned}$ |
| UNITED STATES | 18,753 | 14,807 | 9,427 | 8,938 | 5,317 | 5,917 | 10,800 | 13,555 |
| NEW ENGLAND | 362 | 803 | 332 | 782 | 67 | 54 | 354 | 378 |
| Maine | 10 | 5 | 12 |  | 1 | - | 12 | 16 |
| N.H. | 6 | 16 | 8 | 16 | 2 | 1 | 16 | 13 |
| Vt . | 4 | 6 | - | 4 | - | 3 | 4 | 3 |
| Mass. | 250 | 691 | 220 | 674 | 42 | 32 | 217 | 207 |
| R.I. | 26 | 23 | 28 | 23 | 4 | 2 | 28 | 39 |
| Conn. | 66 | 62 | 64 | 65 | 18 | 16 | 77 | 100 |
| MID. ATLANTIC | 1,862 | 966 | 1,141 | 675 | 242 | 262 | 1,980 | 2,298 |
| Upstate N.Y. | 708 | 252 | 180 | 68 | 13 | 18 | 257 | 291 |
| N.Y. City | 675 | 319 | 457 | 220 | 109 | 112 | 1,078 | 1,184 |
| N.J. | 296 | 226 | 313 | 213 | 42 | 62 | 482 | 469 |
| Pa. | 183 | 169 | 191 | 174 | 78 | 70 | 163 | 354 |
| E.N. CENTRAL | 3,566 | 2,843 | 1,015 | 1,541 | 1,038 | 1,094 | 1,138 | 1,420 |
| Ohio | 366 | 382 | 271 | 133 | 67 | 84 | 205 | 225 |
| Ind. | 1,456 | 295 | 139 | 99 | 330 | 389 | 102 | 118 |
| III. | 913 | 1,157 | 2 | 867 | 303 | 373 | 577 | 701 |
| Mich. | 618 | 434 | 549 | 377 | 295 | 208 | 182 | 287 |
| Wis. | 213 | 575 | 54 | 65 | 43 | 40 | 72 | 89 |
| W.N. CENTRAL | 2,185 | 1,083 | 1,726 | 718 | 57 | 117 | 401 | 466 |
| Minn. | 679 | 207 | 750 | 225 | 13 | 9 | 128 | 177 |
| Iowa | 504 | 59 | 297 | 49 | 11 | 9 | 32 | 40 |
| Mo. | 613 | 662 | 431 | 326 | 25 | 83 | 164 | 164 |
| N. Dak. | 42 | 3 | 49 | 2 | - | - | 2 | 6 |
| S. Dak. | 7 | 13 | 4 | 10 | - | - | 16 | 17 |
| Nebr. | 125 | 78 | 84 | 61 | 2 | 6 | 22 | 16 |
| Kans. | 215 | 61 | 111 | 45 | 6 | 10 | 37 | 46 |
| S. ATLANTIC | 2,733 | 2,235 | 1,040 | 503 | 1,772 | 1,900 | 2,244 | 2,663 |
| Del. | 21 | 14 | 20 | 10 | 8 | 8 | 14 | 25 |
| Md. | 191 | 147 | 104 | 52 | 254 | 328 | 212 | 239 |
| D.C. | 72 | 51 | U | U | 46 | 43 | 29 | 49 |
| Va. | 428 | 122 | 323 | 61 | 121 | 142 | 247 | 247 |
| W. Va. | 4 | 8 | 3 | 5 | 2 | 5 | 27 | 37 |
| N.C. | 352 | 193 | 249 | 88 | 435 | 428 | 269 | 424 |
| S.C. | 123 | 115 | 82 | 61 | 196 | 237 | 109 | 218 |
| Ga. | 239 | 211 | 164 | 80 | 351 | 390 | 469 | 530 |
| Fla. | 1,303 | 1,374 | 95 | 146 | 359 | 319 | 868 | 894 |
| E.S. CENTRAL | 1,047 | 1,098 | 485 | 634 | 792 | 1,028 | 789 | 913 |
| Kу. | 450 | 224 | 96 | 145 | 78 | 94 | 110 | 164 |
| Tenn. | 331 | 622 | 334 | 420 | 475 | 580 | 280 | 311 |
| Ala. | 87 | 110 | 49 | 59 | 110 | 194 | 270 | 274 |
| Miss. | 179 | 142 | 6 | 10 | 129 | 160 | 129 | 164 |
| W.S. CENTRAL | 2,709 | 2,414 | 2,563 | 1,061 | 742 | 939 | 887 | 1,695 |
| Ark. | 193 | 73 | 52 | 26 | 89 | 75 | 156 | 147 |
| La. | 134 | 196 | 156 | 116 | 195 | 277 | 74 | 208 |
| Okla. | 116 | 503 | 35 | 154 | 118 | 165 | 123 | 161 |
| Tex. | 2,266 | 1,642 | 2,320 | 765 | 340 | 422 | 534 | 1,179 |
| MOUNTAIN | 1,190 | 1,031 | 659 | 700 | 218 | 204 | 424 | 459 |
| Mont. | 7 | 9 | - | - | - | 1 | 17 | 13 |
| Idaho | 44 | 24 | - | 12 | 1 | 1 | 11 | 12 |
| Wyo. | 5 | 3 | 2 | 1 | 1 | - | 4 | 3 |
| Colo. | 254 | 184 | 170 | 148 | 11 | 2 | 68 | 66 |
| N. Mex. | 156 | 125 | 99 | 93 | 21 | 11 | 36 | 52 |
| Ariz. | 532 | 540 | 311 | 377 | 178 | 183 | 176 | 190 |
| Utah | 76 | 58 | 77 | 63 | 1 | 2 | 41 | 37 |
| Nev. | 116 | 88 | - | 6 | 5 | 4 | 71 | 86 |
| PACIFIC | 3,099 | 2,334 | 466 | 2,324 | 389 | 319 | 2,583 | 3,263 |
| Wash. | 418 | 105 | 339 | 103 | 60 | 64 | 213 | 223 |
| Oreg. | 157 | 87 | 95 | 81 | 6 | 6 | 25 | 99 |
| Calif. | 2,480 | 2,111 | - | 2,107 | 322 | 245 | 2,139 | 2,726 |
| Alaska | 8 | 3 | 3 | 3 | - | 1 | 20 | 51 |
| Hawaii | 36 | 28 | 29 | 30 | 1 | 3 | 116 | 164 |
| Guam | - | 17 | U | U | - | - | - | 62 |
| P.R. | 26 | 131 | U | U | 154 | 137 | 238 | 172 |
| V.I. | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U |

N: Not notifiable. U: Unavailable. $\quad$-: No reported cases.
*Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending November 18, 2000, and November 20, 1999 (46th Week)

| Reporting Area | H. influenzae, Invasive |  | Hepatitis (Viral), By Type |  |  |  | Measles (Rubeola) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | A |  | B |  | Indigenous |  | Imported* |  | Total |  |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000^{\dagger} \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | 2000 | $\begin{aligned} & \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | 2000 | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ |
| UNITED STATES | 1,069 | 1,047 | 11,148 | 14,578 | 5,924 | 6,128 | 1 | 59 | - | 18 | 77 | 92 |
| NEW ENGLAND | 93 | 86 | 329 | 314 | 86 | 136 | - | 3 | - | 4 | 7 | 11 |
| Maine | 1 | 7 | 21 | 12 | 5 | 1 | - | - |  | - | - | - |
| N.H. | 12 | 17 | 18 | 17 | 15 | 15 | U | 2 | U | 1 | 3 | 1 |
| Vt. | 7 | 5 | 10 | 19 | 6 | 4 | - | - | - | 3 | 3 | - |
| Mass. | 36 | 35 | 114 | 126 | 12 | 42 | - | 1 | - |  | 1 | 8 |
| R.I. | 4 | 5 | 23 | 21 | 20 | 33 | - | - | - | - | - | - |
| Conn. | 33 | 17 | 143 | 119 | 28 | 41 | - | - | - | - | - | 2 |
| MID. ATLANTIC | 164 | 180 | 1,003 | 1,076 | 780 | 780 | - | 14 | - | 5 | 19 | 5 |
| Upstate N.Y. | 91 | 73 | 214 | 242 | 127 | 162 | - | 9 | - | - | 9 | 2 |
| N.Y. City | 33 | 55 | 320 | 359 | 390 | 238 | - | 5 | - | 4 | 9 | 3 |
| N.J. | 30 | 47 | 100 | 140 | 57 | 121 | - | - | - | - | - | - |
| Pa. | 10 | 5 | 369 | 335 | 206 | 259 | - | - | - | 1 | 1 | - |
| E.N. CENTRAL | 134 | 172 | 1,297 | 2,657 | 640 | 634 | 1 | 9 | - | - | 9 | 4 |
| Ohio | 49 | 54 | 242 | 598 | 96 | 84 | - | 2 | - | - | 2 | - |
| Ind. | 27 | 22 | 114 | 96 | 44 | 35 | - | - | - | - | - | 2 |
| III. | 48 | 70 | 486 | 719 | 110 | 52 | - | 4 | - | - | 4 | 1 |
| Mich. | 7 | 19 | 442 | 1,173 | 389 | 434 | 1 | 3 | - | - | 3 | 1 |
| Wis. | 3 | 7 | 13 | 71 | 1 | 29 | - | - | - | - | - | - |
| W.N. CENTRAL | 62 | 68 | 675 | 845 | 502 | 307 | - | 3 | - | 1 | 4 | 1 |
| Minn. | 35 | 43 | 177 | 94 | 35 | 49 | - | - | - | 1 | 1 | 1 |
| lowa | 1 | 2 | 65 | 132 | 34 | 38 | - | 2 | - | - | 2 | - |
| Mo. | 16 | 10 | 297 | 514 | 372 | 185 | - | - | - | - | - | - |
| N. Dak. | 2 | 1 | 3 | 3 | 2 | 2 | - | - | - | - | - | - |
| S. Dak. | 1 | 2 | 2 | 9 | 1 | 1 | - | - | - | - | - | - |
| Nebr. | 3 | 4 | 33 | 48 | 37 | 19 | - | - | - | - | - | - |
| Kans. | 4 | 6 | 98 | 45 | 21 | 13 | U | 1 | U | - | 1 | - |
| S. ATLANTIC | 275 | 214 | 1,363 | 1,655 | 1,186 | 998 | - | 4 | - | - | 4 | 20 |
| Del. |  | - |  | 2 |  | 1 | - | - | - | - | - | - |
| Md. | 74 | 56 | 200 | 268 | 111 | 136 | - | - | - | - | - | - |
| D.C. | - | 5 | 24 | 54 | 29 | 25 | - | - | - | - | - | - |
| Va . | 37 | 18 | 142 | 164 | 147 | 86 | - | 2 | - | - | 2 | 18 |
| W. Va. | 9 | 7 | 53 | 39 | 14 | 22 | U | - | U | - | - | - |
| N.C. | 23 | 31 | 129 | 148 | 219 | 211 | - | - | - | - | - | - |
| S.C. | 15 | 5 | 72 | 43 | 21 | 63 | - | - | - | - | - | - |
| Ga. | 64 | 55 | 280 | 440 | 218 | 149 | - | - | - | - | - | - |
| Fla. | 53 | 37 | 463 | 497 | 427 | 305 | - | 2 | - | - | 2 | 2 |
| E.S. CENTRAL | 46 | 59 | 359 | 370 | 405 | 438 | - | - | - | - | - | 2 |
| Ky. | 12 | 7 | 45 | 64 | 65 | 45 | - | - | - | - | - | 2 |
| Tenn. | 22 | 33 | 129 | 145 | 199 | 205 | - | - | - | - | - | - |
| Ala. | 11 | 16 | 52 | 53 | 49 | 79 | - | - | - | - | - | - |
| Miss. | 1 | 3 | 133 | 108 | 92 | 109 | - | - | - | - | - | - |
| W.S. CENTRAL | 57 | 59 | 2,122 | 2,798 | 688 | 1,033 | - | - | - | - | - | 12 |
| Ark. | 2 | 2 | 107 | 61 | 75 | 76 | - | - | - | - | - | 5 |
| La. | 11 | 14 | 56 | 203 | 87 | 161 | - | - | - | - | - | - |
| Okla. | 42 | 39 | 243 | 460 | 145 | 129 | - | - | - | - | - | $\overline{7}$ |
| Tex. | 2 | 4 | 1,716 | 2,074 | 381 | 667 | - | - | - | - | - | 7 |
| MOUNTAIN | 103 | 98 | 899 | 1,142 | 490 | 520 | - | 12 | - | 1 | 13 | 2 |
| Mont. | 1 | 3 | 7 | 17 | 6 | 17 | - | 12 | - | - | - | - |
| Idaho | 4 | 1 | 30 | 40 | 6 | 27 | - | - | - | - | - | - |
| Wyo. | 1 | 1 | 39 | 8 | 25 | 13 | - | - | - | - | - | - |
| Colo. | 17 | 14 | 189 | 207 | 101 | 91 | - | 2 | - | 1 | 3 | - |
| N. Mex. | 21 | 18 | 68 | 47 | 97 | 166 | - | 2 | - | - | - | - |
| Ariz. | 44 | 50 | 439 | 631 | 188 | 125 | - | - | - | - | - | 1 |
| Utah | 11 | 8 | 57 | 56 | 24 | 31 | - | 3 | - | - | 3 | - |
| Nev. | 4 | 3 | 70 | 136 | 43 | 50 | U | 7 | U | - | 7 | 1 |
| PACIFIC | 135 | 111 | 3,101 | 3,721 | 1,147 | 1,282 | - | 14 | - | 7 | 21 | 35 |
| Wash. | 7 | 6 | 258 | 308 | 107 | 65 | - | 2 | - | 1 | 3 | 5 |
| Oreg. | 29 | 37 | 168 | 224 | 107 | 102 | - | - | - |  | - | 12 |
| Calif. | 32 | 51 | 2,651 | 3,156 | 913 | 1,084 | - | 11 | - | 3 | 14 | 17 |
| Alaska | 44 | 9 | 11 | 11 | 9 | 16 | - | 1 | - | - | 1 | - |
| Hawaii | 23 | 8 | 13 | 22 | 11 | 15 | - | - | - | 3 | 3 | 1 |
| Guam | - | - | - | 1 | - | 4 | U | - | U | - | - | 1 |
| P.R. | 4 | 2 | 202 | 306 | 219 | 221 | , | U | , | , | - | - |
| V.I. | U | U | U | U | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U | U | U | U | U |

N : Not notifiable.
*For imported measles, cases include only those resulting from importation from other countries.
${ }^{\dagger}$ Of 225 cases among children aged $<5$ years, serotype was reported for 95 and of those, 22 were type b.

TABLE III. (Cont'd) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending November 18, 2000, and November 20, 1999 (46th Week)

| Reporting Area | Meningococcal Disease |  | Mumps |  |  | Pertussis |  |  | Rubella |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | 2000 | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | 2000 | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ | 2000 | $\begin{aligned} & \hline \text { Cum. } \\ & 2000 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1999 \\ & \hline \end{aligned}$ |
| UNITED STATES | 1,843 | 2,111 | 4 | 291 | 328 | 93 | 5,836 | 5,750 | - | 148 | 244 |
| NEW ENGLAND | 120 | 101 | - | 4 | 8 | 13 | 1,420 | 753 | - | 13 | 7 |
| Maine | 8 | 5 | - | - | - | - | 41 | - | - | - | - |
| N.H. | 12 | 12 | U | - | 1 | U | 116 | 91 | U | 2 | - |
| Vt. | 3 | 5 | - | - | 1 | 9 | 219 | 67 | - | - | - |
| Mass. | 70 | 58 | - | 1 | 4 | - | 982 | 533 | - | 9 | 7 |
| R.I. | 9 | 6 | - | 1 | 2 | 1 | 17 | 33 | - | 1 | - |
| Conn. | 18 | 15 | - | 2 | - | 3 | 45 | 29 | - | 1 | - |
| MID. ATLANTIC | 174 | 208 | - | 23 | 40 | 16 | 586 | 897 | - | 9 | 34 |
| Upstate N.Y. | 61 | 64 | - | 10 | 10 | 14 | 295 | 667 | - | 2 | 20 |
| N.Y. City | 33 | 53 | - | 4 | 12 | - | 51 | 54 | - | 7 | 7 |
| N.J. | 38 | 48 | - | 3 | 1 | - | 35 | 26 | - | - | 4 |
| Pa. | 42 | 43 | - | 6 | 17 | 2 | 205 | 150 | - | - | 3 |
| E.N. CENTRAL | 327 | 376 | - | 30 | 44 | 4 | 651 | 514 | - | 1 | 2 |
| Ohio | 85 | 126 | - | 7 | 17 | - | 312 | 190 | - | - | - |
| Ind. | 44 | 57 | - | 1 | 4 | - | 93 | 71 | - | - | 1 |
| III. | 72 | 99 | - | 6 | 11 | 2 | 74 | 85 | - | 1 | 1 |
| Mich. | 100 | 59 | - | 16 | 8 | 2 | 91 | 60 | - | - | - |
| Wis. | 26 | 35 | - | - | 4 | - | 81 | 108 | - | - | - |
| W.N. CENTRAL | 158 | 211 | - | 18 | 13 | 12 | 532 | 430 | - | 3 | 128 |
| Minn. | 20 | 47 | - | - | 1 | - | 317 | 188 | - | 1 | 5 |
| Iowa | 33 | 37 | - | 7 | 7 | 3 | 53 | 82 | - | - | 30 |
| Mo. | 83 | 82 | - | 4 | 1 | 9 | 79 | 71 | - | 1 | 2 |
| N. Dak. | 2 | 4 | - | - | 1 | - | 6 | 18 | - | - | - |
| S. Dak. | 5 | 11 | - | - | - | - | 7 | 6 | - | - | - |
| Nebr. | 7 | 10 | - | 4 | - | - | 31 | 9 | - | 1 | 90 |
| Kans. | 8 | 20 | U | 3 | 3 | U | 39 | 56 | U | - | 1 |
| S. ATLANTIC | 280 | 358 | - | 42 | 47 | 9 | 452 | 402 | - | 92 | 35 |
| Del. | 1 | 10 | - | - | - | - | 8 | 5 | - | 1 | - |
| Md. | 26 | 50 | - | 10 | 6 | - | 106 | 113 | - | - | 1 |
| D.C. |  | 4 | - |  | 2 | - | 3 | 1 | - | - | - |
| Va . | 38 | 50 | - | 9 | 10 | 8 | 106 | 50 | - | - | - |
| W. Va. | 12 | 8 | U | - | - | U | 1 | 3 | U | - | - |
| N.C. | 36 | 42 | - | 7 | 8 | - | 98 | 93 | - | 82 | 34 |
| S.C. | 21 | 43 | - | 10 | 4 | - | 29 | 17 | - | 7 | - |
| Ga. | 43 | 59 | - | 2 | 4 | - | 38 | 40 | - | - | - |
| Fla. | 103 | 92 | - | 4 | 13 | 1 | 63 | 80 | - | 2 | - |
| E.S. CENTRAL | 122 | 147 | - | 7 | 14 | 3 | 104 | 93 | - | 5 | 2 |
| Ky. | 26 | 30 | - | 1 | - | 3 | 53 | 29 | - | 1 | - |
| Tenn. | 52 | 60 | - | 2 | - | - | 31 | 40 | - | 1 | - |
| Ala. | 32 | 35 | - | 2 | 10 | - | 19 | 21 | - | 3 | 2 |
| Miss. | 12 | 22 | - | 2 | 4 | - | 1 | 3 | - | - | - |
| W.S. CENTRAL | 125 | 198 | 3 | 30 | 39 | 4 | 327 | 207 | - | 6 | 15 |
| Ark. | 13 | 32 | 3 | 5 | - | 1 | 34 | 24 | - | - | 5 |
| La. | 35 | 62 | - | 4 | 10 | - | 12 | 9 | - | 1 | - |
| Okla. | 26 | 33 | - | - | 1 | - | 40 | 40 | - | - | 1 |
| Tex. | 51 | 71 | - | 21 | 28 | 3 | 241 | 134 | - | 5 | 9 |
| MOUNTAIN | 140 | 128 | - | 21 | 26 | 11 | 721 | 709 | - | 2 | 16 |
| Mont. | 4 | 4 | - | 1 | - | - | 35 | 2 | - | - | - |
| Idaho | 7 | 9 | - | - | 3 | 2 | 59 | 144 | - | - | - |
| Wyo. | - | 4 | - | 2 | - | - | 6 | 2 | - | - | - |
| Colo. | 34 | 33 | - | 1 | 6 | 7 | 424 | 268 | - | 1 | 1 |
| N. Mex. | 10 | 14 | - | 1 | N | - | 82 | 129 | - | - | - |
| Ariz. | 75 | 41 | - | 4 | 8 | 2 | 79 | 99 | - | 1 | 13 |
| Utah | 7 | 15 | - | 6 | 4 | - | 24 | 56 | - | - | 1 |
| Nev. | 3 | 8 | U | 6 | 5 | U | 12 | 9 | U | - | 1 |
| PACIFIC | 397 | 384 | 1 | 116 | 97 | 21 | 1,043 | 1,745 | - | 17 | 5 |
| Wash. | 54 | 61 | - | 10 | 2 | 13 | 376 | 628 | - | 7 | - |
| Oreg. | 70 | 72 | N | N | N | - | 113 | 56 | - | - | - |
| Calif. | 257 | 238 | 1 | 85 | 80 | 8 | 501 | 1,009 | - | 10 | 5 |
| Alaska | 8 | 7 | - | 7 | 2 | - | 22 | 5 | - | - | - |
| Hawaii | 8 | 6 | - | 14 | 13 | - | 31 | 47 | - | - | - |
| Guam | - | 1 | U | - | 3 | U | - | 2 | U | - | - |
| P.R. | 9 | 12 | - | - | - | 6 | 12 | 23 | - | - | - |
| V.I. | U | U | U | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U | U | U | U |

N : Not notifiable.
U: Unavailable.

- : No reported cases.

TABLE IV. Deaths in 122 U.S. cities,* week ending November 18, 2000 (46th Week)

| Reporting Area | All Causes, By Age (Years) |  |  |  |  |  | P\&I ${ }^{\dagger}$ Total | Reporting Area | All Causes, By Age (Years) |  |  |  |  |  | P\&I ${ }^{\dagger}$ Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All Ages | $\geq 65$ | 45-64 | 25-44 | 1-24 | <1 |  |  | All Ages | $\geq 65$ | 45-64 | 25-44 | 1-24 | <1 |  |
| NEW ENGLAND | 472 | 349 | 81 | 25 | 8 | 7 | 33 | S. ATLANTIC | 1,238 | 814 | 259 | 120 | 21 | 24 | 87 |
| Boston, Mass. | U | U | U | U | U | U | U | Atlanta, Ga. | 154 | 98 | 38 | 10 | 3 | 5 | 8 |
| Bridgeport, Conn. | 48 | 38 | 6 | 3 | 1 | - | 4 | Baltimore, Md. | 170 | 99 | 46 | 22 | 2 | 1 | 19 |
| Cambridge, Mass. | 17 | 13 | 2 | 1 | - | 1 | 1 | Charlotte, N.C. | 96 | 63 | 24 | 5 | 2 | 2 | 5 |
| Fall River, Mass. | 30 | 25 | 4 | 1 | - | - | 2 | Jacksonville, Fla. | 163 | 108 | 33 | 17 | 1 | 4 | 14 |
| Hartford, Conn. | 48 | 28 | 11 | 3 | 1 | 3 | 1 | Miami, Fla. | 113 | 80 | 21 | 12 | - | - | 10 |
| Lowell, Mass. | 14 | 9 | 3 | 2 | - | - | 2 | Norfolk, Va. | 44 | 28 | 8 | 5 | 1 | 2 | 2 |
| Lynn, Mass. | 12 | 8 | 3 | - | 1 | - | 1 | Richmond, Va. | 67 | 29 | 19 | 12 | 4 | 3 | 5 |
| New Bedford, Mass | s. 27 | 22 | 3 | 2 | - | - | 2 | Savannah, Ga. | 44 | 34 | 10 | - | - | - | 4 |
| New Haven, Conn. | 47 | 32 | 7 | 3 | 3 | 2 | 3 | St. Petersburg, Fla. | . 85 | 59 | 16 | 4 | 3 | 3 | 7 |
| Providence, R.I. | 79 | 56 | 18 | 4 | 1 | - | - | Tampa, Fla. | 177 | 123 | 29 | 18 | 5 | 2 | 11 |
| Somerville, Mass. | 7 | 5 | 1 | 1 | - | - | - | Washington, D.C. | 102 | 78 | 15 | 7 | - | 2 | 2 |
| Springfield, Mass. | 39 | 25 | 10 | 3 | - | 1 | 6 | Wilmington, Del. | 23 | 15 | - | 8 | - | - | - |
| Waterbury, Conn. | 32 | 27 | 4 | 1 |  | - | 1 |  |  |  |  |  |  |  |  |
| Worcester, Mass. | 72 | 61 | 9 | 1 | 1 | - | 10 | E.S. CENTRAL Birmingham, Ala. | 926 | 612 99 | 211 38 | $\begin{aligned} & 64 \\ & 11 \end{aligned}$ | 24 3 | 15 | 61 9 |
| MID. ATLANTIC | 2,028 | 1,458 | 376 | 133 | 31 | 29 | 125 | Chattanooga, Tenn | ก. 106 | 69 | 27 | 7 | 1 | 2 | 6 |
| Albany, N.Y. | 54 | 42 | 6 | 2 | 3 | 1 | 8 | Knoxville, Tenn. | 127 | 86 | 22 | 13 | 5 | 1 | 9 |
| Allentown, Pa. | 25 | 22 | 1 | 1 | 1 | - | 2 | Lexington, Ky. | 75 | 51 | 18 | 4 | 2 | - | 3 |
| Buffalo, N.Y. | U | U | U | U | U | U | U | Memphis, Tenn. | 184 | 131 | 32 | 14 | 5 | 2 | 14 |
| Camden, N.J. | 41 | 26 | 8 | 4 | 1 | 2 | 4 | Mobile, Ala. | 102 | 70 | 25 | 3 | 3 | 1 | 5 |
| Elizabeth, N.J. | 20 | 16 | 1 | 3 | - | - | 1 | Montgomery, Ala. | 38 | 23 | 12 | 3 | - | - | 4 |
| Erie, Pa.§ | 59 | 42 | 12 | 4 | - | 1 | 7 | Nashville, Tenn. | 138 | 83 | 37 | 9 | 5 | 4 | 11 |
| Jersey City, N.J. | 36 | 26 | 5 | 3 | 1 | 1 | - |  |  |  |  |  |  |  |  |
| New York City, N.Y. | 1,167 | 845 | 222 | 74 | 11 | 14 | 58 | W.S. CENTRAL | 1,542 | 1,015 | 322 | 131 | 42 | 32 | 103 |
| Newark, N.J. | U | U | U | U | U | U | U | Austin, Tex. | 91 | 59 | 25 | 6 | - | 1 | 4 |
| Paterson, N.J. | 28 | 12 | 11 | 3 | 1 | 1 |  | Baton Rouge, La. | 79 | 53 | 18 | 6 | 1 | 1 | 3 |
| Philadelphia, Pa. | 163 | 95 | 45 | 15 | 5 | 3 | 6 | Corpus Christi, Tex | X. 49 | 33 106 | 11 | 3 | 2 | - | 5 |
| Pittsburgh, Pa.§ | 61 | 42 | 12 | 4 | 1 | 2 | 6 | Dallas, Tex. | 183 | 106 | 46 | 20 | 3 | 8 | 16 |
| Reading, Pa. | 19 | 16 | 1 | 1 | 1 | - | 1 | El Paso, Tex. | 116 | 75 | 30 | 7 | 3 | 1 | 1 |
| Rochester, N.Y. | 141 | 110 | 20 | 8 | 1 | 2 | 7 | Ft. Worth, Tex. | 104 | 74 | 26 | 2 | 18 | 2 | 3 |
| Schenectady, N.Y. | 26 | 20 | 4 | 1 | 1 | - | 4 | Houston, Tex. | 405 | 251 | 77 | 52 | 18 | 7 | 29 |
| Scranton, Pa.§ | 30 | 19 | 7 | 4 | - | - | 2 | Little Rock, Ark. | 95 | 66 | 14 | 10 | 2 | 3 | 6 |
| Syracuse, N.Y. | 115 | 92 | 14 | 3 | 4 | 2 | 16 | New Orleans, La. | U | U | U | 17 | U | U | U |
| Trenton, N.J. | 25 | 18 | 5 | 2 | - | - | 2 | San Antonio, Tex. | 239 | 162 | 49 | 17 | 8 | 3 | 23 |
| Utica, N.Y. | 18 | 15 | 2 | 1 | - | - | 1 | Shreveport, La. | 24 | 14 | 5 | 2 | 1 | 2 | 1 |
| Yonkers, N.Y. | U | U | U | U | U | U | U | Tulsa, Okla. | 157 | 122 | 21 | 6 | 4 | 4 | 12 |
| E.N. CENTRAL | 2,140 | 1,502 | 386 | 139 | 61 | 52 | 130 | MOUNTAIN | 1,113 | 745 | 231 | 91 | 20 | 25 | 53 |
| Akron, Ohio | 63 | 46 | 11 | 3 | - | 3 | 5 | Albuquerque, N.M | 150 | 102 | 26 | 18 | 4 | - | 8 |
| Canton, Ohio | 41 | 31 | 4 | 5 | - | 1 | 5 | Boise, Idaho | 43 | 28 | 11 | 1 | 1 | 2 | 1 |
| Chicago, III. | 353 | 229 | 68 | 30 | 17 | 9 | - | Colo. Springs, Colo | O. 58 | 40 | 10 | 5 | 1 | 2 | - |
| Cincinnati, Ohio | 141 | 103 | 21 | 10 | 3 | 4 | 8 | Denver, Colo. | 100 | 57 | 25 | 8 | 3 | 7 | 6 |
| Cleveland, Ohio | 140 | 90 | 41 | 3 | 4 | 2 | 15 | Las Vegas, Nev. | 224 | 142 | 62 | 16 | 4 | - | 10 |
| Columbus, Ohio | 156 | 114 | 28 | 7 | 4 | 3 | 7 | Ogden, Utah | 40 | 36 | 3 | 1 | - | $\overline{7}$ | 2 |
| Dayton, Ohio | 138 | 110 | 16 | 6 | 3 | 3 | 5 | Phoenix, Ariz. | 193 | 126 | 46 | 13 | 1 | 7 | 10 |
| Detroit, Mich. | 248 | 145 | 57 | 26 | 11 | 9 | 18 | Pueblo, Colo. | + 34 | 24 | 9 | 11 | - | 1 | 2 |
| Evansville, Ind. | 28 | 21 | 5 | 1 | 1 | - | 3 | Salt Lake City, Utah | h 104 | 73 | 15 | 11 | 1 | 3 | 9 |
| Fort Wayne, Ind. | 59 | 46 | 9 | 2 | 2 | - | 6 | Tucson, Ariz. | 167 | 117 | 24 | 18 | 5 | 3 | 5 |
| Gary, Ind. | 24 | 11 | 9 | 3 | 1 | 1 | 1 | PACIFIC | 2,093 | 1,503 | 385 | 126 | 49 | 28 | 158 |
| Grand Rapids, Mich | h. 48 | 36 | 7 | 3 | 1 | 1 | 9 | Berkeley, Calif. | 2,093 | 1,5 13 | - 2 | 2 |  | - | 1 |
| Indianapolis, Ind. | 218 | 141 | 43 | 21 | 6 | 7 | 16 | Fresno, Calif. | 96 | 70 | 19 | 5 | 1 | 1 | 11 |
| Lansing, Mich. | 34 | 30 | 3 | 1 | 3 | 5 | 1 | Glendale, Calif. | 33 | 26 | 6 |  | 1 | - | 1 |
| Milwaukee, Wis. | 100 | 72 | 17 | 3 | 3 | 5 | 7 | Honolulu, Hawaii | 90 | 59 | 18 | 10 | 1 | 2 | 4 |
| Peoria, III. | 61 | 46 | 6 | 4 | 2 | 3 | 8 | Long Beach, Calif. | 67 | 50 | 12 | 4 | 1 | 1 | 16 |
| Rockford, III. | 50 | 43 | 4 | 1 | 2 | - | 5 | Los Angeles, Calif. | 584 | 414 | 100 | 45 | 16 | 9 | 27 |
| South Bend, Ind. | 53 | 43 | 8 | 1 | 1 | - | 4 | Pasadena, Calif. | 20 | 16 | 4 |  | - | - | 1 |
| Toledo, Ohio | 111 | 89 | 17 | 4 | 1 | 1 | 4 | Portland, Oreg. | 149 | 106 | 29 | 9 | 5 | - | 9 |
| Youngstown, Ohio | 74 | 56 | 12 | 5 | - | 1 | 7 | Sacramento, Calif. | 166 | 113 | 38 | 10 | 5 | - | 11 |
| W.N. CENTRAL | 762 | 554 | 121 | 53 | 15 | 19 | 59 | San Diego, Calif. | 233 | 170 | 37 | 15 | 7 | 3 | 18 |
| Des Moines, lowa | U | U | U | U | U | U | U | San Francisco, Cali | if. 102 | 69 149 | 26 | 5 | 7 | 2 | 13 |
| Duluth, Minn. | 27 | 19 | 4 | 4 |  | - | 3 | San Jose, Calif. | 198 | 149 | 31 | 6 | 7 | 5 | 13 |
| Kansas City, Kans. | 29 | 17 | 8 | 3 | 1 | - | 4 | Santa Cruz, Calif. | 31 | 26 | 5 | 7 | 4 | - | 2 |
| Kansas City, Mo. | 108 | 66 | 19 | 14 | 5 | 4 | 6 | Seattle, Wash. | 129 | 88 | 28 | 7 | 4 | 2 | 11 |
| Lincoln, Nebr. | 45 | 40 | 4 | 1 | - | - | 4 | Spokane, Wash. | 84 | 67 | 12 | 3 | 2 | 2 | 14 |
| Minneapolis, Minn. | . 207 | 154 | 35 | 14 | 1 | 3 | 21 | Tacoma, Wash. | 94 | 67 | 18 | 5 | 2 | 1 | 6 |
| Omaha, Nebr. | 63 | 49 | 9 | 2 | 2 | 1 | 5 | TOTAL 12, | 12,314 ${ }^{\text {¢ }}$ | 8,552 | 2,372 | 882 | 271 | 231 | 809 |
| St. Louis, Mo. | 114 | 80 | 18 | 4 | 4 | 8 | 9 | TOTAL | 12,314 | 8,552 | 2,372 | 882 | 271 | 231 | 809 |
| St. Paul, Minn. | 84 | 72 | 8 | 3 | - | 1 | 3 |  |  |  |  |  |  |  |  |
| Wichita, Kans. | 85 | 57 | 16 | 8 | 2 | 2 | 4 |  |  |  |  |  |  |  |  |

U: Unavailable. $\quad-$ :No reported cases.
*Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of $\geq 100,000$. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included. ${ }^{+}$Pneumonia and influenza.
${ }^{\text {s }}$ Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.
"Total includes unknown ages.

Measles, Rubella, and Congenital Rubella Syndrome - Continued
preponderance of importation-related cases, the geographic isolation of each case, and the lack of a recurring viral measles strain indicate that measles is no longer endemic in the United States (3). The consistent detection of imported measles cases is evidence of the sensitivity of U.S. measles surveillance. The benefit of concurrent improvements in measles control is demonstrated by the absence of imported cases from Mexico into the United States during 1997-1999.

The United States is on the verge of eliminating indigenous rubella and CRS. However, rubella outbreaks continue to occur, primarily among Hispanics from countries where no national routine rubella vaccination program exists or where a program has been implemented only recently. Because universal rubella vaccination in Mexico was introduced in 1998, ongoing rubella and CRS surveillance will be important to document the impact of the new program. After successfully implementing measles-rubella (MR) vaccination among health-care personnel, Mexico implemented MR vaccination campaigns among at-risk adolescents and adults, including junior and senior high school students and teachers in October 2000. Mass vaccination of adolescents and adults will accelerate the decline in rubella and CRS cases and prevent the re-entry of measles.

Measles remains a leading cause of morbidity and mortality worldwide. The United States and Mexico have achieved the PAHO goal of eliminating endemic transmission of measles. For countries undertaking measles elimination, integrating rubella control into measles elimination activities is a preferred strategy because of the similar surveillance activities and intervention target groups for MR/MMR vaccine (7). In countries where the health burden from rubella has been documented and where immunity among women of childbearing age can be assured, implementing a universal childhood rubella vaccination program with $>80 \%$ coverage will lead to a decline in rubella and CRS (7).

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[^0]:    *TST was defined as induration of $\geq 5 \mathrm{~mm}$ in contacts and HIV-infected inmates. A TST conversion was defined as an increase of $\geq 5 \mathrm{~mm}$ from the most recent TST.

[^1]:    * Side of residence of source case-patient.
    ${ }^{\dagger}$ Number of inmates newly infected with Mycobacterium tuberculosis (i.e., TST conversion or TB case) divided by number of inmates with screening completed.

[^2]:    -: No reported cases.

    * Not notifiable in all states.
    ${ }^{\dagger}$ Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID).
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