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Update: Multistate Outbreak of Monkeypox — Illinois, Indiana, Kansas, Missouri, Ohio, and Wisconsin, 2003

CDC and state and local health departments continue to investigate cases of monkeypox among persons who had close contact with wild or exotic mammalian pets or persons with monkeypox (1). This report updates epidemiologic, laboratory, and animal data for U.S. cases.

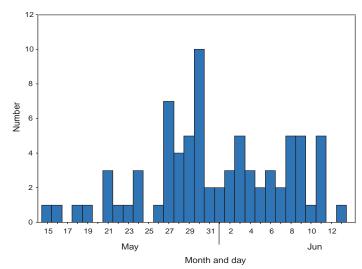
Epidemiologic investigation

As of June 18, a total of 87 cases of monkeypox have been reported to CDC from Wisconsin (n = 38), Indiana (n = 24), Illinois (n = 19), Ohio (n = 4), Kansas (n = 1), and Missouri (n = 1). Of the 87 cases, 41 (47%) were among males. The median age for the 82 patients for whom age data were available was 28 years (range:1–55 years). Data on symptom onset were available for 78 persons (Figure). Among the 75 patients for whom data were available, 20 (27%) were hospitalized. The majority of patients were not seriously ill; some were hospitalized to facilitate proper isolation.

Of the 87 monkeypox cases, 20 (23%) were laboratory confirmed at CDC (Table). Among these 20 patients, one was a child hospitalized with severe encephalitis 3 days after developing a vesicular rash, which was originally thought to be varicella-zoster virus (VZV). However, diagnostic testing for VZV and for herpes simplex virus in serum, cerebrospinal fluid, and skin lesion biopsy was negative. A skin lesion biopsy was positive for monkeypox DNA by polymerase chain reaction (PCR) and for orthopox antigens by immunohistochemical (IHC) testing.

The majority of patients had direct or close contact with wild or exotic mammals such as prairie dogs (*Cynomys* sp.). In one instance, 28 children attending a day care facility in Indiana were potentially exposed to two prairie dogs that subsequently became ill and died; 12 (43%) reported handling or

FIGURE. Number* of persons with monkeypox, by date of first symptom onset — Illinois, Indiana, Kansas, Missouri, Ohio, and Wisconsin, May 15–June 13, 2003



* N = 78.

petting the prairie dogs, and seven (25%) subsequently became ill with symptoms consistent with monkeypox infection. Laboratory evaluation of these children is in progress.

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Notifiable Disease Morbidity and 122 Cities Mortality Data

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TABLE. Number and percentage of 20 laboratory-confirmed monkeypox cases, by selected characteristics — United **States**, 2003

Characteristic	No.	(%)
State		
Illinois	5	(25)
Indiana	6	(30)
Wisconsin	9	(45)
Age (yrs)		
6–18	7	(35)
19–48	13	(65)
Sex		
Female	8	(40)
Male	12	(60)
Clinical features		
Rash*	19	(95)
Fever	17	(85)
Respiratory symptoms [†]	16	(80)
Lymphadenopathy	11	(55)
Hospitalized	12	(60)
Smallpox vaccination status§	2	(15)

Laboratory Investigation

Clinical specimens obtained from 82 patients in Illinois, Indiana, Ohio, and Wisconsin were forwarded to CDC for testing. Twenty (74%) of 27 patients with skin rash-lesion specimens were laboratory confirmed for monkeypox by viral isolation, PCR, electron microscopy, and/or IHC; four were negative for monkeypox virus; one patient was found to have varicella by PCR testing; and two are pending. Two healthcare workers in Wisconsin who were suspected initially of acquiring disease by human-to-human transmission had no evidence of monkeypox-specific DNA signatures in blood and nasopharyngeal and/or oropharyngeal swabs; culture results are pending. These persons did not have a rash, and IgM testing has not revealed any anti-orthopoxvirus immune reactivity.

Animal Investigation

Traceback investigations of animals are ongoing to identify how monkeypox virus was introducted into the United States. Preliminary results have determined that an animal vendor in Wisconsin (distributor A) sold prairie dogs to the index patient in Wisconsin; this vendor had obtained prairie dogs from an animal vendor in Illinois (distributor B), who had housed prairie dogs and Gambian giant rats (Cricetomys sp.) in close proximity. Because Gambian giant rats often are imported from regions of Africa where monkeypox is endemic,

^{*}For one case, rash could not be confirmed.

†Includes at least one of the following symptoms: cough, shortness of breath, sore throat, and nasal congestion.

Splata on previous history of smallpox vaccination was available for 13 (65%) of the 20 laboratory-confirmed cases.

traceback investigations of the Gambian giant rats were initiated. These investigations identified a shipment of animals from Ghana, including Gambian giant rats that were delivered to a Texas animal importer (distributor C) on April 9. Distributor C's Gambian giant rats were sold subsequently to an Iowa animal vendor on April 15 (distributor D) who in turn supplied them to distributor B. The shipment of animals from Ghana contained approximately 800 small mammals of nine different species, including six genera of African rodents that might have been the source of introduction of monkeypox. These rodent genera included rope squirrels (Funiscuirus sp.), tree squirrels (Heliosciurus sp.), Gambian giant rats, brushtail porcupines (Atherurus sp.), dormice (Graphiurus sp.), and striped mice (Hybomys sp.). Laboratory testing of animals from the April 9 importation from Africa is underway to determine which, if any, animals in the shipment might have introduced the virus into the United States.

On the basis of the epidemiologic link between the shipment from Ghana and distributor B, trace-forward investigations have been initiated to locate animal vendors and owners who purchased imported African rodents from the April 9 shipment or purchased prairie dogs from distributors A, B, C, and D after April 15. In addition to routine sales by animal vendors, animals also were sold or traded at "swap meets" (i.e., gatherings of animal traders, exhibitors, and buyers). An investigation of distributor B revealed that infected prairie dogs from this animal vendor might have been sold or traded at swap meets to unidentified buyers in Schaumburg, Illinois, on April 20, May 3, and May 18; Indianapolis, Indiana, on April 27 and May 18; and Columbus, Ohio, on April 19. In addition, distributor A sold infected prairie dogs at a swap meet in Wausau, Wisconsin, on May 11. In several instances, identifying individuals who purchased animals has been impossible. Invoices and other records are incomplete for many of these sales, especially those transacted at swap meets.

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Editorial Note: Preliminary findings from these investigations suggest that the primary route of monkeypox transmission to humans is from close contact with infected wild and exotic mammalian pets. Person-to-person transmission has not been identified in this outbreak. Investigations are underway to assess the possibility of secondary transmission among healthcare workers and household contacts exposed to patients with laboratory-confirmed monkeypox infection.

Compared with previous reports of monkeypox among persons in central Africa (2), the illness associated with the current outbreak in the United States has been relatively mild. Monkeypox infection in adults has been described rarely in Africa; among adults, previous vaccination against smallpox might attenuate clinical illness (3). The report of encephalitis in a child indicates the potentially serious consequences of the disease.

Because suspected cases of monkeypox might actually represent varicella infections, patients should be assessed for history of varicella or having received varicella vaccine. Rash illness suspected to be monkeypox should be confirmed by laboratory evaluation, particularly if use of smallpox vaccine is being considered for purposes of monkeypox outbreak control. CDC has issued interim recommendations for use of smallpox vaccine, cidofovir, and vaccinia immune globulin (VIG) for prevention and treatment in the setting of outbreaks of monkeypox infections (4).

Health-care providers, veterinarians, and public health officials who suspect monkeypox in animals or humans should report such cases to their state and local health departments. CDC requests that reports of suspect cases from state health departments be directed to the CDC Emergency Operations Center, telephone 770-488-7100. Additional information about monkeypox, including a revised interim case definition (Box), is available at http://www.cdc.gov/ncidod/monkeypox.

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BOX. Updated interim case definition for human cases of monkeypox, June 17, 2003

Clinical Criteria

- Rash (macular, papular, vesicular, or pustular; generalized or localized; discrete or confluent)
- Fever (subjective or measured temperature ≥99.3° F
 [≥37.4° C])
- Other signs and symptoms:
 - Chills and/or sweats
 - Headache
 - Backache
 - Lymphadenopathy
 - Sore throat
 - Cough
 - Shortness of breath

Epidemiologic Criteria

 Exposure* to an exotic or wild mammalian pet[†] obtained on or after April 15, 2003, with clinical signs of illness (e.g., conjunctivitis, respiratory symptoms, and/or rash)

or

 Exposure to an exotic or wild mammalian pet with or without clinical signs of illness that has been in contact with either a mammalian pet[§] or a human with monkeypox

or

Exposure[¶] to a suspect, probable, or confirmed human case

Laboratory Criteria

- Isolation of monkeypox virus in culture
- Demonstration of monkeypox virus DNA by polymerase chain reaction testing in a clinical specimen
- Demonstration of virus morphologically consistent with an orthopoxvirus by electron microscopy in the absence of exposure to another orthopoxvirus
- Demonstration of presence of orthopoxvirus in tissue using immunohistochemical testing methods in the absence of exposure to another orthopoxvirus

Case Classification

- Suspect case
 - Meets one of the epidemiologic criteria

and

- Fever or unexplained rash and two or more other signs or symptoms with onset of first sign or symptom ≤21 days after last exposure meeting epidemiologic criteria
- Probable case
 - Meets one of the epidemiologic criteria

and

- Fever and vesicular-pustular rash with onset of first sign or symptom ≤21 days after last exposure meeting epidemiologic criteria
- Confirmed case
 - Meets one of the laboratory criteria

Exclusion Criteria

A case may be excluded as a suspect or probable monkeypox case if:

• An alternative diagnosis can fully explain the illness**

or

• The case was reported on the basis of contact with an ill wild or exotic mammalian pet that was subsequently determined not to have monkeypox (e.g., another etiology fully explains the illness) provided other possible epidemiologic exposure criteria are not present

or

 The case was reported on the basis of contact with wild or exotic mammalian pet with or without signs of illness that had been in contact with an ill animal or person that was determined subsequently not to have monkeypox provided other possible epidemiologic exposure criteria are not present

or

 The case was reported on the basis of contact with a person who was subsequently determined not to have monkeypox provided other possible epidemiologic exposure criteria are not present

01

• A suspect case without a rash does not develop a rash within 6 days of initial identification or examination of the case

* Includes living in a household, petting or handling, or visiting a pet holding facility (e.g., pet store, veterinary clinic, or pet distributor).

Includes skin-to-skin or face-to-face contact.

Includes prairie dogs, Gambian giant rats, and rope squirrels. Exposure to other exotic or nonexotic mammalian pets will be considered on a case-by-case basis; assessment should include the likelihood of contact with a mammal with monkeypox and the compatibility of clinical illness with monkeypox.

Includes living in a household or originating from the same pet holding facility as another animal with monkeypox.

^{**} Factors that might be considered in assigning alternate diagnoses include the strength of the epidemiologic exposure criteria for monkeypox, the specificity of the diagnostic test, and the compatibility of the clinical presentation and course of illness for the alternative diagnosis.

Foodborne Transmission of Hepatitis A — Massachusetts, 2001

Hepatitis A virus (HAV) is transmitted typically from person to person by the fecal-oral route. Foodborne transmission occurs when an HAV-infected food handler contaminates food during preparation (1-3) or when food is contaminated during harvesting or processing before reaching the food service establishment or home (4,5). Postexposure prophylaxis (PEP) with immune globulin (IG) can prevent hepatitis A among exposed persons if administered within 14 days of exposure. However, the decision about whether to implement PEP for persons who eat food prepared by an infected food handler depends on an assessment of the duties performed by the food handler and personal hygiene while potentially infectious, which are often difficult to determine. This report summarizes the investigation of an outbreak of foodborne hepatitis A in Massachusetts in which a food handler with hepatitis A, who was considered unlikely to transmit HAV, was implicated as the source. The findings underscore challenges faced by local and state health departments when determining whether PEP is appropriate.

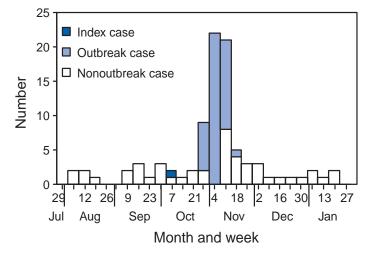
On October 26, 2001, the Massachusetts Department of Public Health (MDPH) was notified that a worker at restaurant A in county X had hepatitis A with symptom onset on October 17. On the basis of the date of symptom onset, the worker was considered to have been potentially infectious during October 3-24. The worker's primary responsibility was managerial, but the worker also prepared menu items (primarily sandwiches that were not cooked after preparation) as needed and had worked most recently on October 18. During an interview, the worker reported frequent hand washing and diligent glove use while handling food; supervisors validated the worker's hygiene practices. On the basis of the worker's reported hygiene practices, work duties, and lack of gastrointestinal symptoms, health officials considered HAV contamination of food prepared by this food handler unlikely and did not issue a public notification or recommend PEP for restaurant patrons. The worker denied any change in bowel habits; however, assessment was difficult because the worker had a colostomy and normally produced unformed stool that collected in an ostomy appliance. The worker reported that the appliance was secured under several layers of clothing and was never changed at work.

On October 26, the restaurant's owners closed and cleaned the restaurant voluntarily. On October 27, an inspection by MDPH found no sanitary code violations. None of the 20 food handlers at the restaurant had symptoms of hepatitis A, although none was tested serologically for evidence of recent HAV infection. The restaurant reopened after 19 food handlers received IG and one was excluded from work.

On November 20, MDPH was notified of six cases of hepatitis A among residents of county X, all with illness onsets during November 8–15. By December 3, a total of 46 persons had been reported in county X, with illness onsets during October 29–November 26 (Figure), compared with no cases during the same period in 2000. The median age of patients was 38 years (range: 5–76 years); 31 (67%) were males. Of the patients who could recall where they had eaten during their hepatitis A incubation period (2–6 weeks before illness onset), 35 (76%) of 46 reported eating at restaurant A, 15 (35%) of 43 at restaurant B, 16 (35%) of 46 at restaurant C, and nine (20%) of 45 at restaurant D. Eating at other restaurants was reported less frequently.

A matched case-control study was conducted to determine whether persons with hepatitis A were more likely than neighborhood controls to have eaten at one of the four restaurants. A case-patient was defined as a resident of county X who had illness onset during October 18-November 29 and had laboratory confirmation of HAV infection (positive IgM anti-HAV). Potential controls were identified by using a web-based neighbor search, matched by age group (2-13 years, 14-22 years, 23-40 years, 41-54 years, and ≥55 years) and interviewed by telephone. Potential controls who reported previous hepatitis A vaccination, possible hepatitis A illness during October 18-November 29, or a history of physician-diagnosed hepatitis A were excluded from participation. One neighborhood control was recruited for each of 43 (93%) case-patients; no neighborhood control was found for the remaining three case-patients. Controls were asked about eating food from restaurants from October 1 (4 weeks before the earliest illness onset of any case-patient) to November 12 (2 weeks before

FIGURE. Number of hepatitis A cases, by week of illness onset — County X, Massachusetts, July 29, 2001–January 27, 2002



the latest illness onset of any case-patient). An exact conditional logistic regression model was used to determine the relation between restaurant patronage and illness; illness was associated with eating food from restaurant A (odds ratio = 29.4; 95% confidence interval = 5.1–infinity) but not food from restaurants B, C, or D. A total of 32 (74%) of the 43 case-patients and seven (16%) of neighborhood controls reported having eaten food from restaurant A. An epidemiologic study to determine whether any specific foods served at restaurant A were associated with illness was not performed.

Sequence analysis of a segment of HAV RNA isolated from 28 case-patients was performed by using a reverse transcriptase-polymerase chain reaction method (6). A total of 25 sequences were identical, including all 21 from case-patients who reported eating food prepared at restaurant A. The remaining four patients reported not eating food from restaurant A during their incubation period. Three additional persons who did not eat at restaurant A had nonidentical viral RNA sequences.

Two case-patients were food handlers at restaurant Z, also in Massachusetts. Each had worked at restaurant Z when they were potentially infectious and prepared foods that were not cooked after handling. On November 27, after interviewing food handlers and inspecting restaurant Z, local health officials issued a public notice offering IG to customers who ate uncooked or cold food prepared at restaurant Z during November 14–23. Approximately 1,600 persons responded to the public notice and were administered IG at a clinic held at a local hospital.

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Editorial Note: The probable source of the hepatitis A outbreak described in this report was a food handler in restaurant A who worked while infectious and contaminated food that was not cooked subsequently. Although the food handler with hepatitis A was the probable source, transmission from another food handler in restaurant A with unidentified or unreported HAV infection cannot be excluded. This outbreak investigation highlights difficulties faced by public health officials when making hepatitis A PEP decisions. In this investigation, determining the risk for transmission to patrons from the implicated food handler, who handled uncooked foods while potentially infectious, was based on an assessment of self-reported activities such as gastrointestinal symptoms, personal hygiene, and glove use. The factors that led to transmission despite reportedly good hygiene cannot be determined.

During 1992-2001, approximately 230,000 cases of hepatitis A were reported in the United States (7). Although food handlers are not at higher risk for HAV infection because of their occupation, approximately 8% of adults reported with hepatitis A are identified annually as food handlers (CDC, unpublished data, 2003), indicating that thousands of food handlers have hepatitis A each year. Unlike the majority of persons with hepatitis A who transmit HAV only to close contacts, an HAV-infected food handler potentially can transmit HAV to many others and cause a substantial economic burden to public health. The estimated societal cost of a single foodborne outbreak of hepatitis A involving 43 cases was approximately \$800,000; >90% of these costs were incurred by the public health department (8). Considerable effort is involved in determining the risk for transmission from an HAV-infected food handler to customers.

An interview that includes detailed questions about job duties, work dates, clinical symptoms, and hygiene is the basis for determining the need for PEP. CDC guidelines recommend that PEP can be considered if 1) during the time when the food handler was probably infectious, the food handler both directly handled uncooked foods or foods after cooking and had diarrhea or poor hygiene practices; and 2) patrons can be identified and treated within 2 weeks after the exposure (9). However, because good personal hygiene is subjective and difficult to corroborate or might not prevent disease transmission completely, a food handler's report of good hygiene should not be the only criterion for determining whether patron notification and PEP are needed. Other factors that might affect personal hygiene and the potential for HAV transmission should be examined, including the presence of underlying medical conditions. For the outbreak described in this report, the worker's ostomy might have compromised hygiene. HAV transmission from a food handler with a colostomy has been identified previously (D. Perrotta, Ph.D., Texas Department of Health, personal communication, 2003).

A better understanding is needed regarding hygiene practices, clinical symptoms, and viral characteristics that contribute to HAV transmission by contaminated food. However, prevention measures that can reduce the risk for transmission of HAV and other enteric pathogens also should be emphasized, including regular and thorough hand washing, reducing bare-hand contact with foods that are not cooked subsequently, restricting ill food handlers from working directly with food or food equipment, and providing a sick leave policy so workers can discontinue working while ill (10). Hepatitis A vaccination should be encouraged for persons who are both recommended for routine vaccination (i.e., men who have sex with men, illicit-drug users, and persons who plan

travel to countries in which hepatitis A is endemic) and are employed as food handlers.

The factors that led to HAV transmission in this outbreak cannot be determined. Until the determinants of HAV transmission through contaminated food are understood better, decisions about providing PEP to customers of food service establishments will continue to be based on data obtained during case interviews and on the judgment and experience of public health officials. Food handlers acquire HAV infection from others within their communities, and reducing food handler transmission of HAV will be achieved ultimately through routine vaccination of persons at risk for HAV infection within these communities.

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Progress Toward Poliomyelitis Eradication — Nigeria, January 2002–March 2003

Since 1988, when the World Health Assembly resolved to eradicate poliomyelitis globally, the annual estimated incidence of polio has decreased >99% (1,2). Nigeria is the most populous country in Africa (estimated 2000 population: 127 million) and a major poliovirus reservoir. This report summarizes progress toward polio eradication in Nigeria during January 2002–March 2003, highlighting progress in acute flaccid paralysis (AFP) surveillance and evidence of wild poliovirus

(WPV) circulation in areas of lower vaccination coverage. The findings underscore the importance of achieving high-quality supplementary immunization activities (SIAs).

Routine Vaccination

National routine vaccination services remain inadequate. In 2000, an estimated 38% of infants aged <1 year received 3 doses of oral polio vaccine (OPV) (3), and in 2001, an estimated 25% of infants aged <1 year received 3 doses of OPV (World Health Organization [WHO] and United Nations Children's Fund [UNICEF], unpublished data, 2003).

Supplementary Immunization Activities

Supplementary OPV vaccination activities targeting children aged ≤59 months have been conducted annually in Nigeria since National Immunization Days (NIDs)* were begun in 1996 (4). During 2002–2003, the frequency of SIA rounds in Nigeria has been sustained. In 2002, three rounds of NIDs, two rounds of Subnational Immunization Days (SNIDs)[†], and additional mop-up rounds were conducted. As of May 2003, five rounds of SNIDs and additional mopup rounds had been completed; one SNID covering eight states in which polio is endemic and two NIDs are scheduled for October and November. NIDs were conducted in October and November 2002, reaching approximately 36.0 and 38.9 million children aged <5 years, respectively. SNIDs in highrisk areas were conducted in April and May 2002 and in January, March, and April 2003. The first series of SNIDs targeted eight northcentral and northeastern states in January and March, reaching approximately 12.5 million children aged <5 years, and six states in April, reaching approximately 5.2 million children aged <5 years. In March and April, a second series of SNID rounds was conducted in four northwestern states, reaching approximately 3.8 and 3.7 million children aged <5 years, respectively. In February and March 2003, two mop-up rounds were conducted in response to an outbreak in Nasarawa, a state in which no WPV had been isolated for >12 months. In May and June 2003, additional mop-up activities were implemented in 16 local government areas (LGAs) in Benue, Kogi, and Nasarawa states. During 2001-2002, the number of national and international staff trained and deployed to plan, implement, and monitor SIAs increased

^{*}Mass campaigns during a short period (days) in which 2 doses of OPV are administered to all children in the target group (usually those aged <5 years) regardless of previous vaccination history.

[†]Campaigns similar to NIDs but confined to part of the country.

threefold, and independent monitoring of SIA quality indicators and of social mobilization activities also was intensified and expanded.

National polio eradication programs analyze the OPV vaccination status (routine and supplemental doses) of children aged <5 years with nonpolio AFP as a proxy for OPV coverage in the general population. During March 2002–February 2003, the proportion of children aged <5 years with nonpolio AFP who received ≥3 doses of OPV was <60% (median: 44%; range: 37%-59%) in 12 of the 20 northern states and >80% in two states. By contrast, during the same period, the proportion of children aged <5 years with nonpolio AFP who received ≥3 doses of OPV was ≥80% (median: 86%; range: 83%-95%) in seven of the 17 southern states and <60% in one state. Although >90% of children targeted were reached with OPV during the 2002 NIDs and three of the five rounds of SNIDs conducted as of March 2003, some LGAs have failed to reach ≥80% of target children. During the January and March 2003 SNIDs conducted in eight northern states (Bauchi, Borno, Gombe, Jigawa, Kaduna, Kano, Katsina, and Yobe), the number of LGAs reporting coverage of <80% increased from 43 (21%) of 203 in January to 72 (35%) of 203 in March. Coverage in these LGAs was low because vaccinators missed some houses and persons in these areas were poorly informed about SIAs.

Surveillance for AFP

AFP surveillance quality is evaluated by two key indicators: annual reporting rate (target: nonpolio AFP rate of ≥1 case per 100,000 children aged <15 years) and completeness of specimen collection (target: two adequate stool specimens from ≥80% of all persons with AFP). In 2002, the nonpolio AFP rate was ≥1.0 in all 36 states and the Federal Capital Territory of Abuja. During 2001–2002, the nonpolio AFP rate increased from 3.8 to 5.7, and the adequate stool specimen collection rate increased from 68% to 84% (Table). In 2002, in 35 (95%) of 37 states, collection of two adequate stool specimens was ≥80%. During January—March 2003, the annualized nonpolio

AFP rate was 4.2; two adequate stool specimens were collected for 91% of persons with AFP, and 33 (89%) of 37 states had adequate stool specimen collection rates of \geq 80%.

The AFP surveillance system is supported by two national WHO-accredited laboratories, one each in Ibadan (Oyo state) and Maiduguri (Borno state). During 2001–2002, the number of stool specimens processed by these laboratories increased from 3,935 to 6,164. The rate of isolating nonpolio enteroviruses (NPEVs) is a combined indicator of the quality of stool specimen transport and sensitivity of laboratory processing. In 2002, the NPEV isolation rate was 15% at the Ibadan and 18% at the Maiduguri laboratory (anticipated minimum: ≥10%). During January–March 2003, NPEV isolation rates at both laboratories were 13% and 8%, respectively.

Wild Poliovirus Incidence

During 2001–2002, improvements in AFP surveillance were associated with an increase in the number of WPV cases detected, from 56 in 2001 to 202 in 2002 (Table). As of March 31, 2003, a total of 32 WPV cases had been detected. Since July 2001, no WPVs have been isolated in 17 southern states (Abia, Akwa Ibom, Anambra, Bayelsa, Cross River, Delta, Ebonyi, Edo, Ekiti, Enugu, Imo, Lagos, Ogun, Ondo, Osun, Oyo, and Rivers), or from four central states (Adamawa, Kwara, Plateau, and Taraba). Genetic analysis of WPV isolates has demonstrated the disappearance of lineages, suggesting that many chains of transmission have been broken. However, intense WPV transmission continued in the northern states during 2002-2003 (Figure). During 2002, five northern states (Bauchi, Jigawa, Kaduna, Kano, and Katsina) accounted for 133 (66%) of 202 WPV isolates. Kano state alone accounted for 51 (25%) of 202 WPVs detected during 2002 and for 16 (50%) of 32 WPVs detected during January-March 2003. In previous years in Nigeria, transmission peaked during September-November, but during 2002, a broader peak in transmission occurred during April-November, encompassing 178 (88%) of 202 cases; of 202 confirmed cases detected in 2002, a total of 95 (47%) were among children

TABLE. Number of confirmed wild poliovirus (WPV) cases and key surveillance indicators, by year — Nigeria, January 2001–March 2003*

	No. confirmed		type distrib WPV isolate		No. AFP§	Nonpolio	% persons with AFP with adequate
Year	WPV cases	Type 1	Type 2	Type 3	cases	AFP rate ¹	stool specimens**
2001	56	35	0	22	1,940	3.8	67
2002	202	174	0	28	3,010	5.7	84
2003	31	10	0	21	421	4.2	91

^{*} As of March 31, 2003.

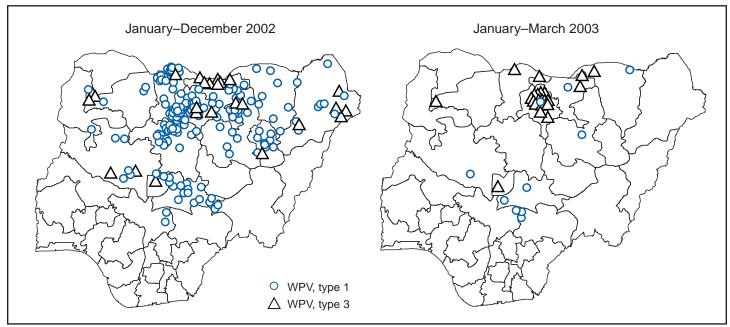
In 2001, one specimen tested had both type 1 and type 3 isolated.

Acute flaccid paralysis.

Per 100,000 children aged <15 years (minimum expected annual rate: one case per 100,000); rate for 2003 is annualized.

^{**} Two stool specimens collected at an interval of at least 24 hours, within 14 days of paralysis onset, and adequately shipped to the laboratory.

FIGURE. Distribution of wild poliovirus (WPV) isolates from acute flaccid paralysis cases — Nigeria, January–December 2002 and January–March 2003*



^{*} As of March 31, 2003.

aged <2 years; of 167 patients for whom vaccination status was reported, 33 (20%) had never received OPV.

Reported by: Federal Ministry of Health; Country Office of the World Health Organization, Abuja, Nigeria. Vaccine Preventable Diseases, World Health Organization Regional Office for Africa, Harare, Zimbabwe. Vaccines and Biologicals Dept, World Health Organization, Geneva, Switzerland. Div of Viral and Rickettsial Diseases, National Center for Infectious Diseases; Global Immunization Div, National Immunization Program, CDC.

Editorial Note: During 2002–2003, AFP surveillance improved substantially in Nigeria. The genetic sequencing data from polioviruses isolated indicate that several genetic lineages have been eliminated. Demonstration of the absence of wild virus circulation in 14 southern states since 2001 is encouraging and provides evidence that implementation of similar high-quality eradication activities can interrupt transmission in the northern states. Other achievements during 2001–2002 include increased frequency and improved implementation of SIA monitoring and regular analysis of SIA quality indicators.

Despite progress, Nigeria remains one of three global poliovirus reservoirs (along with northern India and Pakistan) whose low routine OPV vaccination coverage and high population density favor poliovirus transmission. Several factors raise concern about the quality of SIA implementation. During January—March 2003, despite sustained implementation of SIAs targeting high-risk states, the number of areas in which OPV coverage was <80% increased. During 2002, the number of persons with confirmed WPV increased approximately

fourfold, and 20% of these persons had never received OPV. The detection of substantial numbers of confirmed cases outside the peak transmission season in 2002 and the isolation of WPV type 3 from 22 patients during January–March 2003 (i.e., during the seasonal low point of transmission) suggest a persistent gap in population immunity in northern states. Improved SIA monitoring has attributed low vaccination coverage to houses being missed by vaccinators and pockets of poorly informed parents. These findings indicate a need for higher quality vaccination activities overall, including better planning, more coordinated social mobilization and communication activities, and continued intensive monitoring. For SIAs to be improved, the high degree of political commitment that exists at the national level should be translated into greater involvement and accountability at the state and LGA levels.

In addition to SIA activities, the government of Nigeria is working with partners to strengthen routine vaccination. In 2002, with the support of WHO and UNICEF, the country developed a 5-year cold chain rehabilitation plan. With a grant from the Global Alliance for Vaccines and Immunization vaccine fund in 2002, the Ministry of Health (MOH) is developing new interventions, including training of health-care workers in charge of vaccination services at state and local government areas and a review of the vaccine distribution system. MOH also has received technical support from newly recruited national consultants to assist in planning,

implementation, and monitoring of the vaccination services at the state level.

Upcoming planned activities include SNIDs in September 2003 in the northern states (the extent to be determined at a meeting of an expert advisory group in July) and NIDs in October and November 2003. Close collaboration between the government and its global partners has been critical in sustaining eradication activities in Nigeria and will continue to be essential to achieve polio eradication§.

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Update: Severe Acute Respiratory Syndrome — United States, June 18, 2003

CDC continues to work with state and local health departments, the World Health Organization (WHO), and other partners to investigate cases of severe acute respiratory syndrome (SARS). This report updates reported SARS cases worldwide and in the United States and summarizes changes in travel recommendations for provinces in China with the exclusion of Beijing, where a travel advisory remains.

During November 1, 2002–June 18, 2003, a total of 8,465 probable SARS cases were reported to WHO from 29 countries, including 75 from the United States; 801 deaths (casefatality proportion: 9.5%) have been reported, with no

SARS-related deaths reported from the United States (1). In the United States, a total of 409 SARS cases have been reported from 42 states and Puerto Rico, with 334 (82%) cases classified as suspect SARS and 75 (18%) classified as probable SARS (i.e., more severe illnesses characterized by the presence of pneumonia or acute respiratory distress syndrome) (2). Serologic testing for antibody to SARS-associated coronavirus (SARS-CoV) infection has been completed for 136 suspect and 45 probable cases. None of the suspect cases and eight (18%) of the probable cases have demonstrated antibodies to SARS-CoV, all of which have been described previously (3,4). Of the eight laboratory-confirmed SARS patients in the United States, seven had traveled to areas with documented or suspected community transmission of SARS within the 10 days before illness onset. Of these, four reported travel to Hong Kong Special Administrative Region, China; two to Toronto, Canada; and one to both Singapore and Taiwan. The remaining laboratory-confirmed SARS patient is the spouse of a laboratory-confirmed SARS patient that had traveled to Hong Kong.

On June 17, CDC downgraded its travel advisory for Mainland China to alert status for all provinces except Beijing, where the travel advisory remains in effect (5). These changes reflect data reported to the World Health Organization by the Chinese Ministry of Health which indicate that SARS transmission in Mainland China (other than in Beijing) is limited to a small number of specific settings through direct personto-person spread; no evidence exists of ongoing community transmission, and monitoring by the Ministry of Health indicates that no new outbreaks of illness in these provinces.

Reported by: State and local health departments. SARS Investigative Team. CDC.

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[§] Polio eradication efforts in Nigeria are supported by the governments of Nigeria, Japan, the Netherlands, and Norway; the European Union; the International Development Agency, Canada; the Department for International Development, United Kingdom; the U.S. Agency for International Development and Basic Support for Institutionalizing Child Survival (BASICS); Rotary International; UNICEF; WHO; and CDC.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals June 14, 2003, with historical data

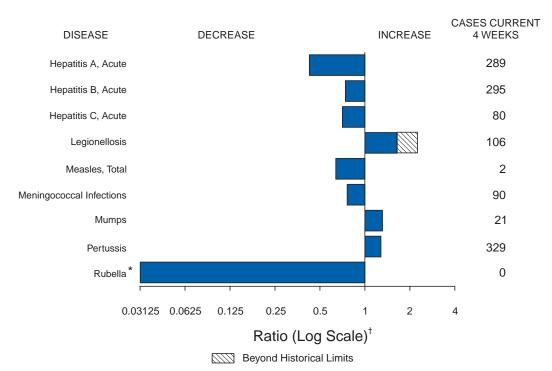


TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending June 14, 2003 (24th Week)*

		Cum. 2003	Cum. 2002		Cum. 2003	Cum. 2002
Anthrax		-	1	Hansen disease (leprosy)†	22	40
Botulism:		-	-	Hantavirus pulmonary syndrome†	12	10
	foodborne	7	6	Hemolytic uremic syndrome, postdiarrheal†	55	59
	infant	27	32	HIV infection, pediatric ^{†§}	108	64
	other (wound & unspecified)	11	7	Measles, total	17¶	14**
Brucellosis†	, , ,	33	51	Mumps	99	142
Chancroid		16	37	Plague	-	-
Cholera		-	2	Poliomyelitis, paralytic	-	-
Cyclosporiasis	t	14	72	Psittacosis†	6	11
Diphtheria		-	-	Q fever [†]	42	22
Ehrlichiosis:		-	-	Rabies, human	-	1
	human granulocytic (HGE)†	33	51	Rubella	3	6
	human monocytic (HME)†	40	32	Rubella, congenital	-	1
	other and unspecified	3	4	Streptococcal toxic-shock syndrome [†]	100	72
Encephalitis/M	leningitis:	-	-	Tetanus	4	11
·	California serogroup viral†	-	-	Toxic-shock syndrome	64	51
	eastern equine [†]	-	-	Trichinosis	3	10
	Powassan [†]	-	-	Tularemia [†]	10	22
	St. Louis†	-	-	Yellow fever	-	_
	western equine [†]	-	-			

^{-:} No reported cases.

^{*} No rubella cases were reported for the current 4-week period yielding a ratio for week 24 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.

Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

Not notifiable in all states.

[§] Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP). Last update May 25, 2003.

Of 17 cases reported, 15 were indigenous and two were imported from another country.

^{**} Of 14 cases reported, seven were indigenous and seven were imported from another country.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending June 14, 2003, and June 15, 2002 (24th Week)*

	AII	os	Chla	mydia [†]	Coccidio	domycosis	Cryptosp	oridiosis	Encephalitis/Meningitis West Nile		
Reporting area	Cum. 2003§	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	
JNITED STATES	19,482	16,491	365,361	372,113	1,458	2,076	829	951	-	-	
IEW ENGLAND	654	627	12,091	12,154	-	-	51	45	-	_	
laine	27	19	771	662	N	N	5	2	-	-	
.H. t.	15 6	15 6	692 444	725 345	-	-	6 10	10 8	-	-	
lass.	277	313	4,883	4,917	-	-	18	15	-	-	
.l.	51	49	1,420	1,190	- N	- N	9	5	-	-	
onn.	278	225	3,881	4,315	N	N	3	5	-	-	
ID. ATLANTIC pstate N.Y.	4,098 274	3,436 239	39,509 8,685	40,587 7,243	N	N	116 35	137 27	-	-	
Y. City	1,976	1,812	14,265	14,027	-	-	33	56	-	-	
.J.	787	665	6,074	5,729	- NI	- N	5	11	-	-	
a.	1,061	720	10,485	13,588	N	N	43	43	-	-	
.N. CENTRAL hio	1,982 303	1,773 311	64,019 16,422	69,326 17,879	3	12	177 32	269 61	-	-	
d.	259	206	7,506	7,606	N	N	20	20	-	-	
	959	814	18,681	21,823	-	2	18	54	-	-	
lich. /is.	359 102	360 82	14,249 7,161	14,339 7,679	3	10	38 69	49 85	-	-	
/.N. CENTRAL	358	269	21,676	20,646	1	_	82	96	_	_	
linn.	74	55	4,455	4,841	N	N	38	35	-	-	
owa	41	41	2,398	2,420	N	N	13	11	-	-	
lo. . Dak.	177	116	7,975 513	6,595 584	N	N	7 4	15 6	-	-	
. Dak.	7	2	1,155	995	-	-	16	5	-	-	
ebr.¶ ans.	25 34	23 32	1,905	1,994	1 N	- N	3 1	17 7	-	-	
			3,275	3,217					-	-	
. ATLANTIC el.	5,488 106	5,341 95	71,984 1,438	69,825 1,257	2 N	1 N	124 3	128 1	-	-	
ld.	558	815	7,481	7,078	2	1	9	5	-	-	
.C. a.	595	264 344	1,264	1,503	-	-	3	3 2	-	-	
а. <i>I</i> . Va.	481 42	39	8,482 1,154	7,689 1,130	N	N	13 2	1	-	-	
I.C.	581	399	11,999	11,028	N	N	15	18	-	-	
.C. a.	330 736	420 920	6,803 15,120	6,667 14,353	-	-	2 47	2 48	-	-	
la.	2,059	2,045	18,243	19,120	N	N	30	48	-	-	
.S. CENTRAL	841	749	24,276	24,186	N	N	48	58	-	-	
y.	79	122	3,771	4,007	N	N	10	1	-	-	
enn. Ja.	374 185	324 143	8,603 6,313	7,530 7,609	N -	N	14 21	27 26	-	-	
liss.	203	160	5,589	5,040	N	N	3	4	-	-	
V.S. CENTRAL	2,125	1,801	47,585	49,695	-	-	38	29	-	-	
ırk.	65	123	3,292	3,342	-	-	1	4	-	-	
a. Okla.	368 92	431 94	7,891 5,028	8,592 4,787	N N	N N	1 4	8 3	-	-	
ex.	1,600	1,153	31,374	32,974	-	-	32	14	-	-	
IOUNTAIN	722	553	21,543	22,913	1,020	1,437	41	63	-	-	
lont.	10	6	989	740	N	N	8	4	-	-	
aho /yo.	13 4	10 3	1,127 463	1,141 410	N -	N -	1	17 6	-	-	
olo.	159	107	4,423	6,463	N	N	9	16	-	-	
. Mex. riz.	52 341	34 235	3,183 6,868	3,617 6,652	1 997	5 1,409	2 2	6 6	-	-	
tah	31	30	2,115	1,056	5	6	9	5	-	-	
ev.	112	128	2,375	2,834	17	17	3	3	-	-	
ACIFIC	3,214	1,942	62,678	62,781	431	626	152	126	-	-	
/ash. reg.	214 126	228 178	7,157 3,366	6,730 3,056	N	N	14 18	9 17	-	-	
alif.	2,815	1,496	49,854	49,396	431	626	120	99	-	-	
aska	12	9	1,716	1,632	-	-	-	-	-	-	
awaii	47	31	585	1,967	-	-	-	1	-	-	
uam R.	2 514	1 502	664	303 1,397	N	N	N	N	-	-	
I.	15	53	-	85	-	-	-	-	-	-	
mer. Samoa	U	U	U	U	U	U	U	U	U	U	
.N.M.I.	2	U	-	U	-	U	-	U	-	U	

N: Not notifiable. U: Unavailable. -: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands.

* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

† Chlamydia refers to genital infections caused by *C. trachomatis*.

§ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update May 25, 2003.

¶ For Nebraska, data for hepatitis A, B, and C; meningococcal disease; pertussis; streptococcal disease (invasive, group A); and *Streptococcus pneumoniae* (invasive) were collected by using the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending June 14, 2003, and June 15, 2002 (24th Week)*

,		Escher	ichia coli, Ente	rohemorrhagio	(EHEC)					
			Shiga toxi	n positive,	Shiga toxii	n positive,				
		7:H7		non-O157	not sero	<u> </u>		diasis		orrhea
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
UNITED STATES	560	774	80	44	59	8	6,346	7,896	137,938	158,034
NEW ENGLAND	31	63	10	10	6	1	441	707	2,997	3,570
Maine N.H.	4 6	3 5	1	-	-	-	54 15	71 22	87 49	46 59
Vt.	-	2	-		-	-	38	50	37	49
Mass. R.I.	10 1	32 5	2	7	6	1 -	200 51	373 52	1,205 424	1,559 429
Conn.	10	16	7	3	-	-	83	139	1,195	1,428
MID. ATLANTIC Upstate N.Y.	60 25	90 36	3 1	-	18 10	2	1,284 371	1,728 469	15,970 3,322	18,710 3,722
N.Y. City	3	6	-	-	-	-	468	660	5,449	5,677
N.J. Pa.	5 27	16 32	2	-	8	2	112 333	202 397	3,552 3,647	3,499 5,812
E.N. CENTRAL	123	196	9	10	8	1	1,044	1,324	28,707	33,277
Ohio Ind.	35 17	31 17	9	4	8	1 -	360	355	9,247 2,860	9,751 3,288
III.	18	67	-	4	-	-	234	397	8,267	11,065
Mich. Wis.	27 26	31 50	-	2	-	-	287 163	359 213	5,876 2,457	6,498 2,675
W.N. CENTRAL	80	92	8	5	9	-	654	744	7,261	7,962
Minn. Iowa	29 11	27 19	7	4	-	-	257 97	260 102	1,099 532	1,382 551
Mo.	23	17	N	N	1	-	158	202	3,716	3,879
N. Dak. S. Dak.	2 4	3 7	-	-	2	-	13 22	11 28	23 87	33 111
Nebr. Kans.	6 5	12 7	1	1	- 6	-	53 54	65 76	631 1,173	702 1,304
S. ATLANTIC	51	67	25	10	-	-	1,055	1,163	35,144	40,505
Del.	-	3	N	N	N	N	15	22	538	760
Md. D.C.	- 1	5	-	-	-	-	51 17	43 19	3,494 968	3,960 1,229
Va. W. Va.	18 1	18 2	2	-	-	-	132	91 16	3,908	4,712
N.C.	5	9	6	-	-	-	14 N	N	385 6,789	451 7,596
S.C. Ga.	10	- 19	2	- 5	-	-	49 390	30 359	3,645 7,398	4,077 7,724
Fla.	16	11	14	5	-	-	387	583	8,019	9,996
E.S. CENTRAL	27 9	35 9	-	-	4 4	-	146 N	142 N	11,705 1,593	13,691 1,572
Ky. Tenn.	10	19	-	-	-	-	61	65	3,478	4,234
Ala. Miss.	6 2	3 4	-	-	-	-	85 -	77 -	3,788 2,846	4,816 3,069
W.S. CENTRAL	52	33	13	-	10	2	110	60	19,372	22,052
Ark.	3	2	-	-	-	-	61 3	56	1,750	2,069 5,303
La. Okla.	4	5	-	-	-	-	46	3	4,948 1,918	2,080
Tex.	45	25	13	-	10	2	-	1	10,756	12,600
MOUNTAIN Mont.	60 2	60 8	10	7 -	4	2	541 28	576 32	4,403 55	4,962 40
Idaho	17 2	6 2	5	2 1	-	-	71 7	31	37	37 27
Wyo. Colo.	17	15	1	3	4	2	153	10 193	24 1,024	1,584
N. Mex. Ariz.	1 11	4 8	3 N	1 N	- N	- N	19 93	71 78	521 1,784	682 1,612
Utah	9	9	1	-	-	-	121	102	190	93
Nev. PACIFIC	1 76	8 138	2	2	-	-	49 1,071	59 1,452	768 12,379	887 13,305
Wash.	19	15	1	-	-	-	85	173	1,300	1,336
Oreg. Calif.	15 41	33 68	1 -	2	-	-	141 792	166 1,029	439 10,259	374 11,057
Alaska	1	4	-	-	-	-	36	38	245	273
Hawaii	- N	18 N	-	-	-	-	17	46 3	136	265 31
Guam P.R.	N -	1 1	-	-	-	-	10	8	70	215
V.I. Amer. Samoa	- U	- U	Ū	- U	Ū	- U	Ū	- U	- U	21 U
C.N.M.I.	-	ŭ	-	ŭ	-	ŭ	-	Ŭ	-	ŭ

N: Not notifiable. U: Unavailable. - : No reported cases.

* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending June 14, 2003, and June 15, 2002 (24th Week)*

(24th Week)*				Usamanhilus	influenzae, inv	· · · · · · · · · · · · · · · · · · ·			Hom	atitis
	All a		1	паетортниѕ					→	te), by type
	All ser		Serot	ype B		otype B	Unknown	serotype		A
	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.
Reporting area	2003	2002	2003	2002	2003	2002	2003	2002	2003	2002
UNITED STATES	759	891	5	16	112	149	17	11	2,637	4,524
NEW ENGLAND	55	60	-	-	7	7	3	1	114	166
Maine N.H.	2 7	1 4	-	-	-	-	1	-	5 6	6 10
Vt.	6	3	-	-	<u>-</u>	-	.	-	4	-
Mass. R.I.	26 3	27 9	-	- -	7	3	1 1	1 -	59 11	78 21
Conn.	11	16	-	-	-	4	-	-	29	51
MID. ATLANTIC	150	166	-	2	18	25	5	-	477	576
Upstate N.Y. N.Y. City	58 21	64 36	-	2	9 5	8 7	-	-	50 141	90 198
N.J.	30	38	-	-	4	5	-	-	67	90
Pa.	41	28	-	-	-	5	5	-	219	198
E.N. CENTRAL Ohio	104 39	185 47	1	2	18 7	31 5	-	-	259 49	535 141
Ind.	23	28	-	1	2	6	-	-	19	27
III. Mich.	29 11	70 7	1	- 1	7 2	12	-	-	81 89	155 117
Wis.	2	33	-	-	-	8	-	-	21	95
W.N. CENTRAL	57	27	-	-	6	2	5	3	79	164
Minn. Iowa	23	17 1	-	-	6	2	1	1	20 17	23 35
Mo.	21	7	-	-	-	-	4	2	24	46
N. Dak. S. Dak.	1 1	- 1	-	-	-	-	-	-	-	1 3
Nebr.	-	-	-	-	-	-	-	-	4	6
Kans.	11	1	-	-	-	-	-	-	14	50
S. ATLANTIC	173	196	-	3	18	24	-	2	656	1,271
Del. Md.	39	50	-	1	4	1	-	-	4 66	8 136
D.C.	-	-	-	-	-	-	-	-	20	44
Va. W. Va.	16 7	14 4	-	-	4	2	-	1	35 11	40 10
N.C.	14	21	-	-	-	3	-	-	33	122
S.C. Ga.	2 41	6 43	-	- -	- 5	2 8	-	-	18 272	41 266
Fla.	54	58	-	2	5	8	-	1	197	604
E.S. CENTRAL	47	29	1	1	6	8	-	-	69	145
Ky. Tenn.	2 27	3 14	-	- -	4	- 5	-	-	12 38	32 56
Ala.	16	6	1	1	1	2	-	-	11	23
Miss.	2	6	-	-	1	1	-	-	8	34
W.S. CENTRAL Ark.	33 4	33 1	-	2	5 1	6	-	-	267 2	435 22
La.	6	3	-	-	1	1	-	-	21	42
Okla. Tex.	22 1	27 2	-	2	3	5	-	-	9 235	20 351
MOUNTAIN	102	111	3	3	27	25	3	3	192	286
Mont.	-	-	-	-	-	-	-	-	2	9
Idaho Wyo.	2 1	2 2	-	-	1	1	-	-	- 1	20 2
Colo.	18	19	-	-	4	2	-	-	28	42
N. Mex. Ariz.	13 55	18 52	3	- 1	4 12	4 14	1	1 1	8 115	8 158
Utah	8	12	-	1	5	3	-	-	17	20
Nev.	5	6	-	1	1	1	2	1	21	27
PACIFIC Wash.	38 3	84 2	-	3 1	7 2	21 1	1 1	2	524 27	946 85
Oreg.	28	32	-	-	3	3	- -	-	30	39
Calif.	2	29	-	2	2	14 1	-	2	461	801
Alaska Hawaii	5	1 20	-	-	-	1 2	-	-	5 1	7 14
Guam	-	-	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-	9	98
V.I. Amer. Samoa	U	U	U	Ū	U	U	U	Ū	U	U
C.N.M.I.	-	Ū	-	Ū	-	Ū	-	Ü	-	Ū

N: Not notifiable. U: Unavailable. : No reported cases.

* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 14, 2003, and June 15, 2002 (24th Week)*

NINTED STATES 2, 202 3, 202 1,406 881 493 357 210 204 2,982 3,822 1461 11 1 125 1 125 1 16 15 17 8 19 235 461 14 16 16 1 1 1 1 1 1 1 1 1 1 1 1 1	(24th Week)*			, acute), by ty								
Negroting area 2003 2002 2002											_	
NEWBRIGNAND	Reporting area	2003	2002	2003	2002	2003	2002	2003	2002	2003	2002	
Malme	UNITED STATES			1,466								
Al 1 3 - 11 1 1 1 - 1 - 4 4 4 4 4 4 4 4 4 4 4	NEW ENGLAND Maine			-								
Mess. 86	N.H. Vt											
Denome	Mass.	86	74		5	6	8			14	401	
Jesiale N.Y. 46 63 27 25 33 17 9 12 993 1,069 1. V. City 180 382 - 4 8 18 7 12 1 737 1 753 V. L. 215 123 5 4 4 2 16 5 5 5 3 20 S. D. S. L. CENTRAL 155 262 169 53 20 80 39 10 15 13 950 773 S. A. CENTRAL 155 262 169 6 53 20 80 39 10 1 92 20 30 70 220 M. CENTRAL 155 262 169 6 53 20 80 39 10 1 92 20 30 70 220 M. CENTRAL 155 262 1 10 16 6 - 6 6 35 1 1 9 18 20 M. CENTRAL 155 262 1 10 1 18 2 1 1 3 13 4 7 - 1 15 M. CENTRAL 155 262 1 10 1 18 2 1 1 3 13 4 7 - 1 15 M. CENTRAL 15 3 1 1 1 4 9 7 1 1 3 13 4 7 7 - 1 15 M. CENTRAL 15 3 1 1 1 4 9 7 1 1 1 3 13 4 7 7 - 1 15 M. CENTRAL 127 10 1 118 4 16 18 24 6 8 5 2 48 M. CENTRAL 127 10 1 118 4 16 18 24 6 8 5 52 48 M. CENTRAL 127 10 1 118 4 16 18 24 6 8 5 52 48 M. Dak. 81 85 114 4 408 1 4 6 6 1 1 5 1 1 6 6 8 M. Dak. 81 85 114 4 408 1 4 6 6 1 1 5 1 1 6 6 8 M. Dak. 81 85 114 4 408 1 4 6 6 1 8 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Conn.											
V.Y.City	MID. ATLANTIC				49	93						
Pack 109 156 53 20 50 39 15 13 950 773 30 70 227 75 75 75 75 100 69 39 6 - 61 35 5 9 18 20 773 75 75 75 75 75 75 75 75 75 75 75 75 75	N.Y. City	180	392	-	-	8	18	7	12	1	37	
Dhìo 69 39 6 - 61 35 5 9 18 20 nd. 10 16 - 7 6 4 1 3 4 3 4 3 II. 11 1 49 7 6 11 3 13 4 4 7 - 1 III. 1 1 49 7 6 11 3 13 4 4 7 - 1 III. 1 3 13 14 7 - 1 III. 1 3 15 14 7 - 1 III. 1 3 15 14 7 - 1 III. 1 3 15 14 7 - 1 III. 1 5 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N.J. Pa.											
nd.	E.N. CENTRAL											
Mich. 93 136 96 41 31 26 10 7 1 5 8 Wis. 22 22 - 1 1 - 14 4 - 4 47 184 Wis. 22 22 - 1 1 - 14 4 - 4 47 184 Wis. CENTRAL 127 101 118 416 18 24 6 8 5 52 48 Wis. CENTRAL 127 101 118 416 18 24 6 8 5 52 48 Wis. CENTRAL 127 101 118 416 18 24 6 8 5 52 48 Wis. CENTRAL 127 101 118 416 18 24 6 8 8 52 - 30 26 Wis. CENTRAL 13 55 114 408 8 8 8 1 5 5 11 13 Wis. CENTRAL 13 11 - 1 - 1 1 - 1 1 1 1 1 1 1 1 1 1 1	Ind.	10	16	-	-	6	4	1	3		3	
Mis. 22 22 22 - 1 - 1 - 14 - 4 47 184 Min. M. CENTRAL 127 101 118 416 18 24 6 8 52 48 Min. M. CENTRAL 127 101 118 416 18 24 6 8 52 48 Min. M. CENTRAL 16 7 30 26 6 0wa 4 11 - 1 4 6 6 - 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	III. Mich.											
Minn. 16 7 3 - 2 2 2 2 - 30 26 owa 4 11 - 1 1 4 6 6 - 1 6 6 Mo. 81 55 114 408 8 8 8 1 5 11 1 13 N.Dak.	Wis.	22	22	-	1	-	14	-	4		184	
Mo. 81 55 114 408 8 8 8 1 5 111 13 N. Dak.	W.N. CENTRAL Minn.											
N. Dak.	lowa Mo			-		4	6	-			6	
Nebrox 12	N. Dak.	-	1	-	-	1	-	-		-		
SATLANTIC 808 777 83 88 133 74 49 28 239 331 Del. 3 8 2 5 N N N 39 47 Md. 50 68 8 6 - 25 9 6 4 143 188 D.C. 1 7 1 1 2 3 10 M.Va. 59 102 1 - 9 6 6 2 2 14 188 M.Va. 7 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 20 38 D.C. 77 105 5 14 12 5 9 3 3 20 38 D.C. 77 105 5 14 12 5 9 3 3 20 38 D.C. 78 10 19 10 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Nebr.	12	16	1	7	2	7	3	- -	1		
Del. 3 8 8 - 6 25 9 5 N N 39 47 Md. 50 68 8 8 6 25 9 9 6 4 143 188 AC. 1 7 - 1 1 2 - 3 3 10 Md. 50 68 8 8 6 25 9 9 6 4 14143 188 AC. 1 7 13 1 1 - 9 6 6 6 2 144 18 AC. 77 105 5 14 12 5 9 3 20 38 AC. 77 105 5 14 12 5 9 3 20 38 AC. 77 105 5 14 12 5 9 3 20 38 AC. 77 105 5 14 12 5 9 3 20 38 AC. 69 40 19 4 3 5 1 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1 3 1 3 3 1												
O.C. 1 7 7 1 2 3 10 Aa. 59 102 1 9 6 6 6 2 14 N.Va. 7 13 1 1 1 3 - 2 - 1 3 N.C. 77 105 5 14 12 5 9 3 S.C. 69 40 119 4 3 5 1 3 1 3 1 Fala. 266 202 3 37 111 7 14 6 6 5 1 Fala. 276 232 46 26 67 35 111 10 13 23 E.S.CENTRAL 185 170 45 59 28 111 9 8 16 19 Ky. 36 25 7 2 9 6 1 1 2 3 8 Fenn. 80 70 9 13 12 - 1 3 8 2 Miss. 37 38 24 41 1 1 - 1 3 8 2 Miss. 37 38 24 41 1 1 - 2 2 - 4 4 4 N.S.CENTRAL 133 494 962 94 47 10 32 13 69 59 Ark. 2 58 - 8 - 8 3 3 3 A.S. 2 58 56 23 39 - 4 3 3 3 S.Mai. 24 10 2 2 2 1 3 3 3 3 S.Mai. 24 10 2 2 2 1 3 3 3 3 Ex. CENTRAL 133 494 962 94 47 10 32 13 69 59 Ark. 2 58 - 8 - 8	Del.	3	8	-	-	2	5	N	N	39	47	
N.Va. 7 13 1 1 1 3 - 2 - 1 3 3 20 38 N.C. 77 105 5 14 12 5 9 3 20 38 N.C. 69 40 19 4 3 5 1 1 3 1 3 1 3 3 23 38 N.C. 69 40 19 4 3 5 5 1 3 1 3 1 3 3 23 38 N.C. 69 40 19 4 3 5 5 1 1 3 1 1 1 10 13 3 23 38 N.C. 1276 232 46 26 67 35 11 10 10 13 23 38 N.C. 1276 232 46 26 67 35 11 10 10 13 23 38 N.C. 1276 232 46 26 67 35 11 10 10 13 23 38 N.C. 1276 25 7 2 9 6 1 2 3 8 8 16 19 N.C. 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	D.C.	1	7	-		1	2	-	-		10	
N.C. 77 105 5 14 12 5 9 3 20 38 3 20 38 3 3 20 38 3 3 20 38 3 3 20 38 3 3 20 38 3 3 20 38 3 3 20 38 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Va. W. Va.											
Ga. 266 202 3 37 11 7 14 6 5 1 1 18. 276 232 46 26 67 35 11 10 13 23 23 24 25 25 27 22 9 6 11 10 13 23 25 25 25 27 22 9 6 1 1 2 3 8 25 25 27 2 9 6 1 2 3 8 25 25 27 2 9 6 1 2 3 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N.C. S.C	77	105			12		9			38	
E.S. CENTRAL 185 170 45 59 28 11 9 8 16 19	Ga.	266	202	3	37	11	7	14	6	5	1	
GY. 36 25 7 2 9 6 1 2 3 8 Fenn. 80 70 9 13 12 - 1 3 8 2 Ala. 32 37 5 3 6 5 5 3 1 5 Alis. 37 38 24 41 1 - 2 - 4 4 Miss. 37 38 24 41 1 - 2 - 4 4 Miss. 28 56 23 39 - 4 -												
Ala. 32 37 5 3 6 5 5 5 3 1 5 5 Miss. 37 38 24 41 1 - 2 2 - 4 4 4 4 4 4 4 1 1 - 2 2 - 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Ky.	36	25	7	2	9	6	1	2	3	8	
N.S. CENTRAL 133 494 962 94 47 10 32 133 69 59 Ark. 2 58 - 8	Ala.	32	37	5	3	6	5	5	3	1	5	
Ark. 2 58 56 23 39 - 4												
Okla. 24 10 - - 2 2 1 3 - </td <td>Ark.</td> <td>2</td> <td>58</td> <td>-</td> <td>8</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	Ark.	2	58	-	8	-	-	-	-	-	-	
MOUNTAIN 286 228 30 26 28 14 14 17 6 6 Mont. 8 3 1 - 1 1 1 -	Okla.	24	10	-	-	2	2	1	3	-	-	
Mont. 8 3 1 - 1 1 1 1 1 - 2 2 2 2 2 2 2 2 2 2 2 2												
Myo. 17 12 - 5 1 - <td>Mont.</td> <td></td> <td>3</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td>	Mont.		3			1			-	-	-	
N. Mex. 13 49 - 1 2 1 2 2 - 1 1 2 1 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 2 2 1 1 2 2 1 2 2 1 1 2 2 1 2 2 1 1 2 2 1 2 2 1 1 2 2 1 2 2 1 1 2 2 1 2 2 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 2 2 2 1 1 2 2 2 1 2 2 2 1 2 2 2 2 1 2	Wyo.	17	12		5	1	-		-	-	-	
Ariz. 153 79 4 3 6 3 5 8 - 1 Utah 22 17 - 2 6 5 - 3 2 1 Nev. 30 28 3 12 2 1 1 1 PACIFIC 407 401 39 60 30 25 36 39 44 40 Wash. 25 29 7 12 3 1 1 3 Dreg. 59 71 6 7 N N N 1 2 12 5 Calif. 314 293 25 41 27 24 34 30 31 34 Alaska 7 5 1 1 1 1 Hawaii 2 3 1 1 1 Hawaii 2 3 1 1 1 Guam 4 N N Guam	Colo. N. Mex.	43 13	37 49						2 2	1 -	- 1	
Nev. 30 28 3 12 2 1 1 1 1 PACIFIC 407 401 39 60 30 25 36 39 44 40 Wash. 25 29 7 12 3 1 1 3 Dreg. 59 71 6 7 N N 1 2 12 5 Calif. 314 293 25 41 27 24 34 30 31 34 Alaska 7 5 1 1 1 1 Hawaii 2 3 1 1 1 Hawaii 2 3 7 5 1 1 1 1 Hawaii 2 3 7 5 1 1 1 1 Hawaii 2 3 7 5 1 1 1 1 Hawaii 2 1 3 74 2 N N R. 13 74 2 N N M. I	Ariz.	153	79	4	3	6			8	- 2	1	
Wash. 25 29 7 12 3 1 1 3 - - Dreg. 59 71 6 7 N N 1 2 12 5 Calif. 314 293 25 41 27 24 34 30 31 34 Alaska 7 5 1 - - - - - 1	Nev.			3				-	-		1	
Oreg. 59 71 6 7 N N 1 2 12 5 Calif. 314 293 25 41 27 24 34 30 31 34 Alaska 7 5 1 - - - - - 1 1 1 Hawaii 2 3 - - - - - - - - 4 N N Guam -	PACIFIC Wash.									44	40	
Alaska 7 5 1 1 1 1 -lawaii 2 3 4 N N Guam	Oreg.	59	71	6	7	N	N	1	2			
Guam	Alaska	7	5		41 -	-	-	-	-	1	1	
P.R. 13 74 2 N N /.I				-	-	-	-	-	4	N	N	
Amer. Samoa U U U U U U U U U U	P.R.	13	74	-	-	-	-	-		N		
	V.I. Amer. Samoa C.N.M.I.		U	U		U		U	U	Ū	U	

N: Not notifiable. U: Unavailable. -: No reported cases.

* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 14, 2003, and June 15, 2002 (24th Week)*

(24th Week)*	Mai	laria		gococcal ease	Pert	ussis	Rabies	s, animal	Rocky M spotte	lountain d fever
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
UNITED STATES	376	516	1,001	1,011	2,315	3,055	2,057	2,624	156	271
NEW ENGLAND	7	32	41	58	213	295	191	360	-	1
Maine	1	1	5	2 5	2	3	21	22	-	-
N.H. Vt.	1 -	5 1	3	5 4	16 29	5 52	5 14	10 58	-	-
Mass.	5	14	26	32	160	222	74	118	-	1
R.I. Conn.	-	2 9	2 5	4 11	5 1	1 12	24 53	27 125	-	-
MID. ATLANTIC	79	130	97	129	237	136	201	460	13	29
Upstate N.Y.	21	18	22	28	119	89	138	245	1	-
N.Y. City N.J.	40 4	76 21	19 13	20 19	18	9	1 62	10 65	4 6	6 10
Pa.	14	15	43	62	100	38	-	140	2	13
E.N. CENTRAL	33	74	130	152	180	363	33	33	4	5
Ohio Ind.	7	11 2	39 24	48 22	107 28	182 22	12 2	5 7	3	2
III.	13	31	30	33	-	54	4	7	-	3
Mich. Wis.	12 1	22 8	25 12	24 25	21 24	33 72	15	9 5	1	-
W.N. CENTRAL	19	34	74	84	128	242	262	221	7	37
Minn.	11	12	16	20	47	70	13	11	-	-
Iowa Mo.	2 1	2 8	13 32	13 32	25 27	86 49	33 4	27 16	1 5	1 35
N. Dak.	-	1	-	-	2	5	29	17	-	-
S. Dak. Nebr.	1	- 5	1 5	2 12	2 2	5 3	20 58	47	-	- 1
Kans.	4	6	7	5	23	24	105	103	1	-
S. ATLANTIC	104	114	153	152	192	190	1,078	1,141	98	137
Del. Md.	29	1 37	7 13	6 4	1 26	2 23	23 147	9 192	26	17
D.C.	5	6	-	-	-	1	-	-	-	-
Va. W. Va.	7 4	11 2	11 1	20	33 5	83 6	248 38	265 79	1 -	4 1
N.C.	8	8	19	16	70	19	338	295	58	74
S.C. Ga.	2 18	4 15	9 18	14 18	7 23	26 13	74 167	36 185	9 -	27 12
Fla.	31	30	75	74	27	17	43	80	4	2
E.S. CENTRAL	7	8	42	53	56	83	28	137	25	39
Ky. Tenn.	1 4	2 2	7 10	8 19	15 26	25 36	16	13 108	- 19	1 16
Ala.	2	2	12	14	12	15	12	16	3	5
Miss. W.S. CENTRAL	42	2 17	13 249	12 120	3 178	7 737	- 136	- 51	3 5	17 20
Ark.	3	1	9	20	-	390	25	-	-	-
La. Okla.	1 2	2	22 8	24 14	4 12	5 27	- 111	- 49	2	13
Tex.	36	14	210	62	162	315	-	2	3	7
MOUNTAIN	14	19	43	57	435	383	49	97	4	3
Mont. Idaho	- 1	-	2 6	2 3	- 18	2 42	8 1	4	1	1
Wyo.	-	-	2	-	71	6	1	12	1	1
Colo. N. Mex.	10	9 1	13 3	18 1	176 22	160 47	5 2	- 5	-	-
Ariz.	2	3	13	18	92	90	29	7 5	1	-
Utah Nev.	1	3 3	4	1 14	46 10	25 11	2 1	- 1	-	- 1
PACIFIC	71	88	172	206	696	626	79	124	_	-
Wash.	10	9	14	37	160	174	-	-	-	-
Oreg. Calif.	7 52	3 68	33 122	31 131	181 351	62 379	2 74	1 97	-	-
Alaska	-	2	1	1	-	2	3	26	-	-
Hawaii	2	6	2	6	4	9	-	-	-	-
Guam P.R.	-	1	2	1 3	-	2 2	20	39	N	N
V.I. Amer. Samoa	- U	- U	- U	U	- U	- U	U	U	- U	- U
C.N.M.I.	-	Ü	-	Ü	-	Ü	-	Ü	-	Ü

N: Not notifiable. U: Unavailable. - : No reported cases.

* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending June 14, 2003, and June 15, 2002 (24th Week)*

(24th Week)*										
					Streptococo	assasih ls	Strej Drug re	ptococcus pne	<i>umoniae</i> , inv	asive
	Salmo	onellosis	Shige	llosis	invasive,		all a		Age <	5 years
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
UNITED STATES	12,460	14,148	10,114	6,834	3,081	2,650	1,183	1,517	200	162
NEW ENGLAND	597	760	117	113	165	204	13	65	1	1
Maine N.H.	41 39	63 44	4 4	3 4	18 16	16 23	-	-	- N	- N
Vt.	20	30	5	-	13	9	5	3	1	1
Mass.	325	440	70	82	113	75	N	N	N	N
R.I. Conn.	36 136	32 151	4 30	5 19	5	8 73	8 -	3 59	Ū	U
MID. ATLANTIC	1,363	1,993	877	526	466	453	75	72	53	46
Upstate N.Y.	337	472	135	68	218	189	36	65	41	40
N.Y. City N.J.	397 116	536 455	154 122	193 163	62 29	106 93	U N	U N	U N	U N
Pa.	513	530	466	102	157	65	39	7	12	6
E.N. CENTRAL	1,659	2,259	728	733	685	574	263	110	87	58
Ohio Ind.	526 198	560 164	128 54	313 35	199 61	128 29	177 86	4 104	62 20	23
III.	465	818	370	257	168	180	-	2	-	-
Mich. Wis.	280 190	358 359	123 53	66 62	240 17	168 69	N N	N N	N 5	N 35
W.N. CENTRAL	744	930	336	544	199	152	109	317	29	27
Minn.	215	208	41	99	97	74	-	220	25	25
Iowa Mo.	136 189	142 336	22 146	48 59	N 42	N 33	N 7	N 5	N 2	N 1
N. Dak.	17	21	1	16	6	-	3	1	2	1
S. Dak. Nebr.	29 63	30 61	8 85	148 120	16 19	9 14	-	1 25	N	N
Kans.	95	132	33	54	19	22	99	65	N	N
S. ATLANTIC	3,060	3,169	3,287	2,227	531	410	596	704	4	15
Del. Md.	27 320	22 289	125 239	6 371	6 175	1 58	1	3	N	N 12
D.C.	15	34	29	27	9	5	2	-	-	1
Va. W. Va.	325 32	323 42	163	410 2	62 26	44 8	N 38	N 34	N 4	N 2
N.C.	420	443	355	132	59	80	N	N	Ū	Ū
S.C. Ga.	161 581	186 522	204 980	41 553	23 63	27 87	66 168	118 185	N N	N N
Fla.	1,179	1,308	1,192	685	108	100	321	364	N	N
E.S. CENTRAL	763	806	436	572	110	61	80	84	-	-
Ky. Tenn.	134 257	124 204	53 148	61 26	27 83	10 51	11 69	10 74	N N	N N
Ala.	220	227	154	261	-	-	-	-	N	N
Miss.	152	251	81	224	-	-	-	-	-	-
W.S. CENTRAL Ark.	1,604 177	1,357 208	3,040 39	1,021 89	342 3	165 4	29 7	135 5	24	13
La.	76	287	83	214	1	1	22	130	9	4
Okla. Tex.	123 1,228	132 730	396 2,522	157 561	49 289	25 135	N N	N N	15	9
MOUNTAIN	844	876	396	253	298	332	17	30	2	2
Mont.	45	40	2	1	1	-	-	- -	-	-
Idaho Wyo.	85 46	56 24	10 1	2 3	11 1	5 6	N 4	N 10	N	N
Colo.	216	222	61	48	104	69	-	-	-	-
N. Mex.	63 240	117 260	77 207	50	67 104	64 170	13	20	- N	- N
Ariz. Utah	88	55	207	121 13	9	18	-	-	2	2
Nev.	61	102	16	15	1	-	-	-	-	-
PACIFIC Wash	1,826 196	1,998 179	897 71	845 51	285 26	299 18	1	-	- N	- N
Wash. Oreg.	168	162	41	38	∠6 N	N	N	N	N N	N N
Calif.	1,381	1,513	779	732	231	254	N	N	N	N
Alaska Hawaii	39 42	32 112	4 2	2 22	28	27	1	-	N -	N -
Guam	-	22	-	17	-	-	-	3	-	-
P.R.	47	153	1	11	N	N	N	N	N	N
V.I. Amer. Samoa	Ū	U	- U	U	U	U	Ū	U	Ū	U
C.N.M.I.	-	Ü	-	Ü	-	Ü	-	Ü	-	Ü

N: Not notifiable. U: Unavailable. - : No reported cases.

* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 14, 2003, and June 15, 2002 (24th Week)*

(24th Week)*		Syp	hilis					Varicella		
	Primary &		Cong	enital	Tuber	culosis	Typho	id fever	(Chickenpox)	
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	
UNITED STATES	3,042	2,939	154	187	4,210	5,433	107	144	6,486	
NEW ENGLAND	88	50	1	-	112	185	8	9	1,105	
Maine N.H.	4 8	-	1 -	-	4 5	9 7	1	-	607	
Vt.	-	1	-	-	3	1	-		400	
Mass. R.I.	61 10	37 1	-	-	67 12	88 26	2 2	7	95 3	
Conn.	5	11	-	-	21	54	3	2	-	
MID. ATLANTIC Upstate N.Y.	349 16	333 17	30 5	27 1	847 101	941 132	17 3	36 3	9 N	
N.Y. City	196	193	18	10	493	456	7	18	-	
N.J. Pa.	67 70	63 60	7	15 1	153 100	220 133	6 1	10 5	9	
E.N. CENTRAL	433	579	37	29	487	538	8	15	3,291	
Ohio	105	68	2	-	89	89	-	4	805	
Ind. III.	20 162	29 215	6 13	1 23	52 230	50 256	4	1 5	-	
Mich.	138	256	16	5	97	111	4	3	2,055	
Wis.	8	11	-	-	19	32	-	2	431	
W.N. CENTRAL Minn.	75 21	53 24	2	-	180 75	240 99	2	6 3	35 N	
lowa	4	2	-	-	11	14	1	-	N	
Mo. N. Dak.	28	12	2	-	16	71 3	1	1	- 35	
S. Dak.	1	_	-	-	13	10	-	-	-	
Nebr. Kans.	1 20	5 10	-	-	14 51	9 34	-	2	-	
S. ATLANTIC	801	698	28	42	769	1,066	25	16	1,251	
Del. Md.	4 130	8 77	3	- 5	97	7 111	6	3	13	
D.C.	25	22	1	1	-	-	-	-	14	
Va. W. Va.	38	32	1	1	71 10	117 10	10	-	309 777	
N.C.	77	149	9	9	106	135	4	-	N	
S.C. Ga.	50 173	59 128	3 2	5 9	65 106	80 205	3	4	138	
Fla.	304	223	9	12	314	401	2	9	N	
E.S. CENTRAL	152	255	10	13	289	346	3	4	- NI	
Ky. Tenn.	21 68	41 103	1 4	2 4	53 87	56 128	1	4	N N	
Ala. Miss.	54 9	83 28	4 1	5 2	109 40	107 55	2	-	-	
W.S. CENTRAL	388	371	26	43	582	865	-	- 15	492	
Ark.	19	17	-	3	45	54	-	-	-	
La. Okla.	51 22	57 28	-	- 1	- 61	69	-	-	3 N	
Tex.	296	269	26	39	476	742	-	15	489	
MOUNTAIN	132	149	14	7	119	161	3	6	303	
Mont. Idaho	6	1	-	-	- 1	4 2	- -	-	N N	
Wyo.	-	-	-	-	2	2	-	-	26	
Colo. N. Mex.	7 25	25 16	2	1 -	27	35 20	3 -	3 -	-	
Ariz.	84	100	12	6	70	78	-	-	3	
Utah Nev.	4 6	2 5	-	-	13 6	13 7	-	2 1	274 -	
PACIFIC	624	451	6	26	825	1,091	41	37	-	
Wash. Oreg.	34 16	22 5	-	1	95 36	106 45	2	3 2	-	
Calif.	573	419	6	25	656	848	36	32	-	
Alaska Hawaii	- 1	5	-	-	26 12	26 66	-	-	-	
Guam	-	6	_	_	-	30	_	_	-	
P.R.	86	115	1	16	-	33	-	-	115	
V.I. Amer. Samoa	- U	1 U	- U	U	- U	U	U	U	Ū	
C.N.M.I.	-	Ü	-	Ü	-	Ü	-	Ü	-	

N: Not notifiable. U: Unavailable. - : No reported cases.

* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE III. Deaths in 122 U.S. cities.* week ending June 14, 2003 (24th Week)

TABLE III. Deaths	aths in 122 U.S. cities,* week ending June 14, 2003 (24th Week) All causes, by age (years) All causes, by age (years)								_						
	All	All C	lauses, b	y age (ye	aisj		P&I [†]		All	All	l auses, r	y age (y	Cars)	Г	P&I [†]
Reporting Area	Ages	<u>≥</u> 65	45-64	25-44	1-24	<1	Total	Reporting Area	Ages	<u>≥</u> 65	45-64	25-44	1-24	<1	Total
NEW ENGLAND	443	290	91	38	15	9	57	S. ATLANTIC	1,358	849	327	107	50	25	68
Boston, Mass. Bridgeport, Conn.	164 37	102 25	37 10	11 2	7	7	19 2	Atlanta, Ga. Baltimore, Md.	160 186	102 101	32 58	15 18	9	2 6	3 17
Cambridge, Mass.	18	13	4	1	_	_	2	Charlotte, N.C.	98	65	26	5	1	1	-
Fall River, Mass.	17	12	3	2	-	-	3	Jacksonville, Fla.	174	115	37	13	9		12
Hartford, Conn.	36	25	8	2	-	1	8	Miami, Fla.	114	67	27	13	3	4	6
Lowell, Mass.	19	14	2	3	-	-	1	Norfolk, Va.	54	35	14	-	5	-	1
Lynn, Mass.	9 23	4 17	1 4	2 2	2	-	1 3	Richmond, Va.	57 48	30 35	17 9	3 3	4 1	3	3 5
New Bedford, Mass. New Haven, Conn.	23 U	Ü	U U	U	U	U	J U	Savannah, Ga. St. Petersburg, Fla.	48 62	35 38	9 17	3 4	1	2	3
Providence, R.I.	Ü	Ü	Ü	Ü	Ü	Ü	Ü	Tampa, Fla.	189	132	40	9	4	4	11
Somerville, Mass.	1	1	-	-	-	-	1	Washington, D.C.	201	119	47	24	9	2	6
Springfield, Mass.	46	33	8	5	-	-	5	Wilmington, Del.	15	10	3	-	1	1	1
Waterbury, Conn.	18	9	3	3	3	-	1	E.S. CENTRAL	859	545	177	77	38	21	67
Worcester, Mass.	55	35	11	5	3	1	11	Birmingham, Ala.	148	100	29	11	7	-	17
MID. ATLANTIC	1,972	1,369	434	97	31	34	93	Chattanooga, Tenn.	50	29	12	6	1	2	6
Albany, N.Y.	45	31	9	3	-	2	-	Knoxville, Tenn.	98	65	26	5	1	1	
Allentown, Pa. Buffalo, N.Y.	18 86	14 61	4 21	3	-	1	3	Lexington, Ky. Memphis, Tenn.	48 234	31 142	10 49	5 15	2 16	12	4 21
Camden, N.J.	44	24	11	5	1	3	3	Mobile, Ala.	87	55	16	11	3	2	5
Elizabeth, N.J.	19	16	3	-	-	-	-	Montgomery, Ala.	32	24	5	3	-	-	7
Erie, Pa.	50	41	7	2	-	-	4	Nashville, Tenn.	162	99	30	21	8	4	7
Jersey City, N.J.	42	25	12	2	. 1	2	-	W.S. CENTRAL	1,349	850	308	118	47	26	83
New York City, N.Y.	979	679	221	47	15	10	41	Austin, Tex.	83	51	18	8	3	3	4
Newark, N.J. Paterson, N.J.	61 12	32 8	19 4	4	1 -	5	3 2	Baton Rouge, La.	32	25	5	1	1	-	-
Philadelphia, Pa.	205	135	50	13	6	1	11	Corpus Christi, Tex.	39	20	12	4	2	1	4
Pittsburgh, Pa.§	28	19	7	2	-	-	3	Dallas, Tex.	164	94 49	39	22	5 1	4	10
Reading, Pa.	16	11	2	2	1	-	-	El Paso, Tex. Ft. Worth, Tex.	68 133	94	14 24	4 8	6	1	1 7
Rochester, N.Y.	145	118	20	3	2	2	8	Houston, Tex.	387	231	83	42	17	14	22
Schenectady, N.Y.	27 34	21 31	4 2	1 1	1	-	2 1	Little Rock, Ark.	73	47	16	6	2	2	2
Scranton, Pa. Syracuse, N.Y.	68	47	16	3	-	2	6	New Orleans, La.	42	26	11	5	-	-	-
Trenton, N.J.	48	24	14	4	1	5	2	San Antonio, Tex.	189	124	52	8	4	1	11
Utica, N.Y.	16	11	4	1	-	-	-	Shreveport, La. Tulsa, Okla.	57 82	32 57	21 13	2 8	2 4	-	11 11
Yonkers, N.Y.	29	21	4	1	2	1	4	1							
E.N. CENTRAL Akron, Ohio	1,894 5	1,274 3	408 2	117	38	57	117 5	MOUNTAIN Albuquerque, N.M.	921 115	635 87	173 14	77 11	20 2	16 1	46 3
Canton, Ohio	40	31	8	1	_	- 1	3	Boise, Idaho	43	34	.5	2	1	1	2
Chicago, III.	362	216	86	32	14	14	16	Colo. Springs, Colo.	71	49	14	8	-	-	4
Cincinnati, Ohio	74	50	16	3	2	3	8	Denver, Colo. Las Vegas, Nev.	97 289	58 189	27 63	8 24	2 9	2 4	8 15
Cleveland, Ohio	124	83	28	8	2	3	6	Ogden, Utah	25	14	6	2	1	2	-
Columbus, Ohio	190	131	42	9 7	4 4	4	6	Phoenix, Ariz.	U	U	Ü	Ū	Ú	Ū	U
Dayton, Ohio Detroit, Mich.	132 161	95 90	26 49	12	2	- 8	10 12	Pueblo, Colo.	23	16	5	2	-	-	-
Evansville, Ind.	36	27	5	4	-	-	-	Salt Lake City, Utah	115	85	18	7	-	5	9
Fort Wayne, Ind.	69	52	14	2	-	1	2	Tucson, Ariz.	143	103	21	13	5	1	5
Gary, Ind.	22	12	4	4	-	2	-	PACIFIC	1,100	772	221	68	18	21	83
Grand Rapids, Mich.	60	45	7	3	-	5	8	Berkeley, Calif.	22	17	3	-	-	2	2
Indianapolis, Ind. Lansing, Mich.	168 51	110 38	38 8	9 1	4 1	7 3	13 1	Fresno, Calif. Glendale, Calif.	114 U	79 U	19 U	9 U	6 U	1 U	7 U
Milwaukee, Wis.	131	94	25	6	2	4	11	Honolulu, Hawaii	76	53	13	6	1	3	5
Peoria, III.	50	34	11	3	1	1	3	Long Beach, Calif.	73	46	20	6	-	1	3
Rockford, III.	43	29	5	8	-	1	3	Los Angeles, Calif.	U	U	U	U	U	U	U
South Bend, Ind.	36	22	9	3	2		1	Pasadena, Calif.	29	21	6	2	-	-	5
Toledo, Ohio	73 67	56 56	15 10	1 1	-	1	5 4	Portland, Oreg. Sacramento, Calif.	122 U	91 U	22 U	6 U	2 U	1 U	10 U
Youngstown, Ohio								San Diego, Calif.	149	101	33	10	1	4	12
W.N. CENTRAL	538	364	116	26	16	16	43	San Francisco, Calif.	Ü	Ü	Ü	Ü	Ü	Ü	Ü
Des Moines, Iowa Duluth, Minn.	40 24	33 16	4 6	2 1	1 -	- 1	7 1	San Jose, Calif.	189	148	30	5	3	3	24
Kansas City, Kans.	24 26	18	6	1	1	-	2	Santa Cruz, Calif.	43	30	8	3	1	1	1
Kansas City, Mo.	104	59	30	6	3	6	6	Seattle, Wash.	110	68	27	12	1	2	4
Lincoln, Nebr.	43	32	6	3	2	-	-	Spokane, Wash.	56 117	35 83	14 26	5 4	3	2 1	7 3
Minneapolis, Minn.	59	38	13	5	2	1	3	Tacoma, Wash.	117						
Omaha, Nebr.	110	78	21	4		7	12	TOTAL	10,434¶	6,948	2,255	725	273	225	657
St. Louis, Mo.	U 41	U 31	U 9	U	U 1	U	U 7								
St. Paul, Minn. Wichita, Kans.	41 91	31 59	9 21	4	1 6	1	7 5								
woma, nans.	91	J-3	۷ ۱	-			J	<u> </u>							

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 occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

† Pneumonia and influenza.

§ 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.

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