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State Smoking Restrictions for Private-Sector Worksites, Restaurants, and Bars — United States, 1998 and 2004

Secondhand smoke is a known carcinogen (1). Exposure to secondhand smoke causes approximately 35,000 heart disease deaths and 3,000 lung cancer deaths among nonsmokers in the United States every year (2). Implementing policies that establish smoke-free environments is the most effective approach to reducing secondhand smoke exposure among nonsmokers (1). Smoking restrictions and smoke-free policies can take the form of laws or regulations implemented at the state or local level or of voluntary policies implemented by private employers and businesses. Smoking restrictions limit smoking to certain areas within a venue; smoke-free policies ban smoking within the entire venue. One of the national health objectives for 2010 is to establish laws in all 50 states and the District of Columbia (DC) that prohibit or restrict smoking in public places and worksites. A related objective calls for all worksites to voluntarily implement policies that prohibit or restrict smoking. To assess progress toward meeting the first objective, CDC reviewed the status of state laws restricting smoking as of December 31, 2004, updating a 1999 study that reported on such laws as of December 31, 1998 (3). This report summarizes the changes in state smoking restrictions for private-sector worksites, restaurants, and bars that occurred during 1999-2004. The findings indicate an increase in the number and restrictiveness of state laws regulating smoking in private-sector worksites, restaurants, and bars from 1999 through 2004. At the end of 2004, however, 16 states still had no restrictions on smoking in any of the three settings considered. Although secondhand smoke exposure among U.S. nonsmokers has decreased sharply in recent years, a substantial portion of nonsmokers continue to be exposed to secondhand smoke (4).

The smoking restrictions in effect in each of the 50 states and DC* as of December 31, 1998, and December 31, 2004, were categorized into one of four levels for each of the three settings included in this study (Table). These settings were selected because worksites are a major source of secondhand smoke exposure for adult nonsmokers (1), and because workers in restaurants and bars are exposed to especially high levels of secondhand smoke (5). The four levels are as follows: 1) no restrictions, 2) designated smoking areas required or allowed, 3) no smoking allowed or designated smoking areas allowed if separately ventilated, and 4) no smoking allowed (i.e., 100% smoke-free). (These levels apply only to indoor areas of these settings.) These data were collected from CDC's State Tobacco Activities Tracking and Evaluation (STATE) System database, which contains tobacco-related epidemiologic and economic data and information on state tobacco-related legislation (6). The data used for this report are collected quarterly from an online database of state laws, analyzed by using a coding scheme and decision rules, and transferred into the STATE System database. The STATE System tracks state smoking restrictions in government worksites, private-sector worksites, restaurants, commercial and home-based child care centers, and other

* For this report, DC is included among the states.

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* Proposed.

settings, including bars, shopping malls, grocery stores, enclosed arenas, public transportation, hospitals, prisons, and hotels and motels. Tobacco-control personnel in state health departments reviewed and commented on the coding of smoking restrictions in their states.

Laws enacted before December 31, 2004, but not effective until after that date are not reflected in this report. For example, Rhode Island enacted comprehensive smoke-free indoor air legislation in 2004 that did not take effect until 2005 and was therefore not included in this assessment. The report also does not reflect legislation enacted since the end of 2004. For example, during January 1–June 30, 2005, Georgia, Maine, Montana, North Dakota, Rhode Island, and Vermont enacted smoking restrictions.

During December 31, 1998–December 31, 2004, 10 states indicated changes in the level of their smoking restrictions for private-sector worksites, nine states indicated changes in the level of their smoking restrictions for restaurants, and five states indicated changes in the level of their smoking restrictions for bars, on the basis of the STATE System coding scheme. In every case, the restrictions became more stringent.

As of December 31, 1998, only one state (Maryland) banned smoking in private-sector worksites. As of December 31, 2004, six additional states (Delaware, Florida, Idaho, Massachusetts, New York, and South Dakota) had done so. In 1998, one state (California) required that private-sector worksites restrict smoking to separately ventilated employee break rooms. In 2004, two additional states (Connecticut and Oregon) had enacted smoking restrictions of this type. In 1998, 20 states required or allowed designated smoking areas in worksites. In 2004, 18 states had laws of this type in place, with two states moving from no smoking restrictions into this category and four states moving from this category into one of the more restrictive categories. In 1998, a total of 29 states had no smoking restrictions in place for private-sector worksites. In 2004, this number had decreased to 23 states.

In 1998, two states (Utah and Vermont) banned smoking in restaurants. During 1999–2004, six additional states (Delaware, Florida, Idaho, Maine, Massachusetts, and New York) did so. In 1998, one state (California) required that restaurants restrict smoking to separately ventilated employee break rooms. In 2004, one additional state (Connecticut) had enacted a smoking restriction of this type. In 1998, 27 states required or allowed designated smoking areas in restaurants; in 2004, 22 states had smoking restrictions of this type in place, with two states moving from no restrictions into this category and seven states moving from this category into one of the more restrictive categories. In 1998, 21 states had no smoking restrictions for restaurants. In 2004, this number had decreased to 19 states.

TABLE. State smoking restrictions* for private-sector worksites, restaurants, and bars, by state — United States, December 31, 1998, and December 31, 2004

Private-sector worksites Resta				urants	B	Bars		
State	1998	2004	1998	2004	1998	2004		
Alabama	None	Designated	None	None	None	None		
Alaska	None	None	Designated	Designated	None	None		
Arizona	None	None	None	None	None	None		
Arkansas	None	None	None	None	None	None		
California	Ventilated [†]							
Colorado	None	None	None	None	None	None		
Connecticut	Designated	Ventilated [†]	Designated	Ventilated [†]	None	Ventilated [†]		
Delaware	Designated	Smoke-free	Designated	Smoke-free	None	Smoke-free		
District of Columbia	Designated	Designated	Designated	Designated	None	None		
Florida	Designated	Smoke-free	Designated	Smoke-free	None	None		
Georgia	None	None	None	None	None	None		
Hawaii	None	None	Designated	Designated	None	None		
Idaho	None	Smoke-free	Designated	Smoke-free	None	None		
Illinois	Designated	Designated	Designated	Designated	None	None		
Indiana	None	None	None	None	None	None		
lowa	Designated	Designated	Designated	Designated	None	None		
Kansas	None	None	Designated	Designated	None	None		
Kentucky	None	None	None	None	None	None		
Louisiana	Designated	Designated	None	None	None	None		
Maino	Designated	Designated	Designated	Smoke-free	None	Smoke-free		
Maryland	Smoke-free	Smoke-free	Designated	Designated	None	None		
Maccachucotto	Nono	Smoke-free	Designated	Smoke free	None	Smoke free		
Michigan	None	Nono	Designated	Decignated	None	Nono		
Minnoacto	Designated	Designated	Designated	Designated	None	None		
Minniesota	Nono	Nene	Nono	Nono	None	None		
Mississippi	Designated	Designated	Designated	None	Designated	Designated		
Mantana	Designated	Designated	Designated	Designated	Designated	Designated		
Nontana	Designated	Designated	Designated	Designated	None	None		
Nebraska	Designated	Designated	Designated	Designated	Designated	Designated		
Nevada	None	None	Designated	Designated	None	None		
New Hampshire	Designated	Designated	Designated	Designated	None	None		
New Jersey	Designated	Designated	None	None	None	None		
New Mexico	None	None Omalas (m. s	None	None Orașelea franț	None	None Omalas (m. s		
New York	Designated	Smoke-free	Designated	Smoke-tree	None	Smoke-free		
North Carolina	None	None	None	None	None	None		
North Dakota	None	None	Designated	Designated	None	None		
Ohio	None	None	None	None	None	None		
Oklahoma ^s	None	Designated	None	Designated	None	None		
Oregon	None	Ventilated	Designated	Designated	None	None		
Pennsylvania	Designated	Designated	Designated	Designated	None	None		
Rhode Island	Designated	Designated	Designated	Designated	None	None		
South Carolina	None	None	None	None	None	None		
South Dakota	None	Smoke-free	None	Designated	None	None		
Tennessee	None	None	None	None	None	None		
Texas	None	None	None	None	None	None		
Utah	Designated	Designated	Smoke-free	Smoke-free	None	None		
Vermont§	Designated	Designated	Smoke-free	Smoke-free	None	None		
Virginia	None	None	Designated	Designated	None	None		
Washington	None	None	None	None	None	None		
West Virginia	None	None	None	None	None	None		
Wisconsin	Designated	Designated	Designated	Designated	None	None		
Wyoming	None	None	None	None	None	None		

* None = no restrictions; designated = designated smoking areas required or allowed; ventilated = no smoking allowed or designated smoking areas allowed if separately ventilated; and smoke-free = no smoking allowed (i.e., 100% smoke-free).

Restriction bans smoking in most settings, but exempts separately ventilated employee break rooms or lounges.

[§] Corrected from previous report (3). Maryland was previously listed as having no smoking restrictions for private-sector worksites; Oklahoma was previously listed as requiring or allowing designated smoking areas in restaurants; and Vermont was previously listed as requiring or allowing designated smoking areas in bars. Restriction exempts restaurants and areas of restaurants that are posted as off-limits to minors.

In 1998, no states required bars to be smoke-free. During 1999–2004, four states (Delaware, Maine, Massachusetts, and New York) enacted laws that banned smoking in bars. In 1998, one state (California) required that bars restrict smoking to separately ventilated employee break rooms. In 2004, one additional state (Connecticut) had enacted a smoking restriction of this type. In 1998, two states required or allowed designated smoking areas in bars; this remained the case in 2004. In 1998, a total of 48 states had no smoking restrictions for bars. In 2004, this number had decreased to 43 states.

In 2004, three states (Delaware, Massachusetts, and New York) banned smoking in all three settings considered in this study, compared with no states in 1998. At the end of 2004, 16 states had no smoking restrictions in place in any of these three settings, compared with 19 states in 1998. Many other states had no restrictions, or restrictions that did not provide full protection, in some of these settings.

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Editorial Note: The findings of this analysis indicate that the number and restrictiveness of state laws regulating smoking in private-sector worksites, restaurants, and bars increased from 1999 to 2004. This increase has provided U.S. nonsmokers with greater protection from exposure to secondhand smoke (1,3,10).

As of 1998–1999, 69.3% of U.S. workers reported that their workplace had an official policy that prohibited smoking in work areas and public or common areas, compared with 46.5% in 1993 (7). However, despite recent progress, many workers are still not protected by smoke-free workplace policies. Moreover, the proportion of workers covered by such policies during 1998-1999 varied by occupation, from 42.9% among food-preparation and food-service workers to 90.8% of primary-school teachers (7). The proportion of waiters (27.7%) and bartenders (12.9%) who reported being covered by smoke-free policies was lower than the proportion of foodpreparation and -service workers overall (7). A previous study has indicated that food-service workers have a 50% greater risk for developing lung cancer than the general population, resulting in part from their higher level of occupational exposure to secondhand smoke (8). As a result of continuing gaps in policy coverage for many private-sector worksites, restaurants, and bars, a substantial portion of the U.S. nonsmoking population remains at risk for exposure to a known carcinogen in these settings, either as employees or customers.

In addition to protecting both workers and patrons from secondhand smoke exposure, smoke-free workplace policies also are associated with decreased cigarette consumption and possibly with increased cessation rates among workers and members of the general public (1). Peer-reviewed studies relying on objective indicators such as sales tax revenue and employment levels have consistently found that smoking restrictions do not have a negative economic impact on restaurants and bars (9). Studies have also reported high levels of public support for and compliance with these laws (1, 10).

The findings in this report are subject to at least four limitations. First, the STATE System only captures certain types of state smoking restrictions (primarily statutory laws and executive orders) and does not capture state administrative laws, such as regulations, or implementation guidelines. As a result, the manner in which a state smoking restriction is implemented in practice might differ from how it is coded in the STATE System. For example, this report does not reflect a regulation in the state of Washington that restricts smoking in private-sector worksites and an administrative rule in Utah that imposes restrictions on smoking in certain bars. The STATE System also does not capture the extent to which state smoking restrictions are actually enforced. Second, some state smoking restrictions apply only to private-sector worksites with more than a certain number of employees, to restaurants with more than a specified number of seats, or to bars of at least a certain size. In these cases, the state laws are coded according to the level of these restrictions, even though these restrictions do not apply to venues below the relevant size limit.[†] Third, because the STATE System only collects state-level data, it does not reflect local smoking restrictions that are in place in many states. Some states with no or minimal state smoking restrictions have strong local smoking restrictions in place in many communities (1). State legislative provisions that do not preempt communities from enacting more stringent local laws allow continued passage and enforcement of local smoking restrictions that can establish a greater level of protection of public health (3). Finally, this report does not address sources of secondhand smoke exposure other than private-sector worksites, restaurants, and bars. Homes are another important source of exposure, especially for children (1), who on average are exposed to higher levels of secondhand smoke than adults (4).

The importance of smoke-free indoor air laws and policies as a component of comprehensive tobacco-control interventions is reflected by their inclusion in national health objectives for 2010 and in CDC surveillance (1). Although population-based data indicate declining secondhand smoke

[†]Information on worksite and restaurant size exemptions is available at http:// www.cdc.gov/tobacco/statesystem. The STATE System does not track information on bar size exemptions.

exposure in the workplace over time, this exposure remains a common public health hazard that is entirely preventable (I). Optimal protection of nonsmokers and smokers requires a smoke-free environment (I).

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Assessment of Local Health Department Smoking Policies — North Carolina, July–August 2003

Secondhand smoke is a cause of disease in healthy nonsmokers (1-6), and an increasing number of states have adopted laws prohibiting smoking in private-sector worksites, restaurants, and bars (7). However, certain state governments have provisions in their state smoking restrictions that preempt more stringent local laws (8). North Carolina has such a preemptive state smoking law,* passed in 1993, which mandates that 20% of the space within state-controlled buildings be designated as smoking areas. Exemptions from the law included local health departments (LHDs), providing an opportunity for public health practitioners to enact more stringent policies. To assess smoking policy gains from this exemption, a research team from the University of North Carolina at Chapel Hill (UNC) surveyed LHD directors. Results of the survey indicated uncertainty regarding the state law, with 37% of LHD directors believing they were prohibited from enacting a 100% tobacco-free policy on LHD grounds[†] and 20% not knowing whether they were prohibited. The North Carolina Association of Local Health Directors used these findings to work with legislators in the North Carolina General Assembly to amend the state smoking law in 2005, specifying that the exemption applies to both LHD buildings and grounds.

North Carolina has 85 county or multicounty LHD directors, representing all 100 counties in the state. Of the 85 directors, a total of 76 (89.4%) agreed to participate in the study. During July-August 2003, the LHD directors responded to a telephone survey that included questions related to their knowledge and opinions regarding 1) the effects of exposure to secondhand smoke; 2) state legislation on smoking in public spaces; 3) tobacco-use policies, enforcement provisions, and availability of smoking-cessation support services at their LHDs; and 4) perceived LHD employee support for a 100% tobacco-free policy. LHD directors also were asked whether smoking was permitted in 13 traditional smoking sites[§] in the buildings or on the grounds of their LHDs. To assess the accuracy of such self-reported data on tobacco-use policies, 15 written policies were obtained at random from the LHDs and compared with the responses of their 15 respective directors. The responses were determined to be 86% in agreement with the written policies. The survey received approval by the Biomedical Institutional Review Board of the UNC School of Medicine.

^{*} North Carolina General Statutes 143-595 to 143-601. Article 64. Smoking in public places (1993). Available at http://www.ncga.state.nc.us/sessions/1993/ bills/house/html/h957v5.html.

[†] Defined as prohibiting the use of all tobacco products by anyone, at any time, at any place on LHD grounds, in LHD vehicles, or at LHD events or functions.

[§] Indoor hallways and corridors; outdoor walkways and loading docks; waiting areas and lobbies; administrative and private offices; clinics and doctors' offices; cafeterias; break rooms and lounges; locker rooms; restrooms; LHD events and functions; outside entrances and exits; parking lots and structures; and LHD vehicles.

Among the 76 county or multicounty LHDs represented, the median number of employees was 85 (range: 15–600), the average number of buildings occupied was 3.2, and the median number of patients or visitors annually was 20,000 (range: 3,000–400,000). Among the 76 LHD directors, 53 (69.7%) were nonsmokers, 20 (26.3%) were former smokers, and three (3.9%) were current smokers.[¶] According to LHD director estimates, the mean percentage of current smokers among employees at the 76 LHDs was 10% (range: 1%–42%). Approximately 60% of LHD directors reported their departments did not routinely offer cessation services for employees who smoked.

High percentages of LHD directors agreed or strongly agreed that exposure to secondhand smoke can trigger asthma attacks (98.7%), cause lung cancer (97.4%) and lead to adverse short-term cardiovascular effects (84.3%). Official, written tobacco-use policies were in effect at 89.5% of the LHDs, whereas 10.5% operated with unofficial tobacco-use policies. Among 75 of the 76 LHDs, 33 (44.0%) had tobacco-use policies specific to the LHD, 33 (44.0%) operated under countywide policies, four (5.3%) operated under both LHD and countywide policies, and five (6.7%) operated under the federal Pro-Children Act of 1994.**

At 100% of the LHDs, smoking was prohibited in indoor hallways and corridors, waiting areas and lobbies, administrative and private offices, clinics and doctors' offices, cafeterias, locker rooms, and restrooms. One LHD reported having a 100% tobacco-free policy. However, among those LHD directors who answered the questions, 38 of 66 (57.6%) said smoking was permitted at LHD events and functions, 29 of 39 (74.4%) said smoking was permitted on outdoor walkways and loading docks, 60 of 76 (78.9%) said smoking was permitted outside all entrances and exits, and 74 of 76 (97.4%) said smoking was permitted in parking lots (Figure).

Among the LHD directors, 57 of 75 (76.0%) said they were very familiar or somewhat familiar with the preemptive provisions of North Carolina's state law on smoking in public places (9). However, 28 of 75 (37.3%) incorrectly believed the law prevented enactment and enforcement of a 100% tobacco-free policy on LHD grounds, and 15 (20.0%) said they did not know whether the law prohibited such a policy. Sixty-six of the 76 LHD directors (86.8%) believed the majority of their employees would support a 100% tobaccofree policy at their LHDs. Fifty-eight (76.3%) reported that



FIGURE. Local health department smoking policies*, by

* As reported by 76 local health directors. [†] Two reported operating under the policy in effect at the host site.

no single person was officially responsible for enforcing their tobacco-use policy.

In May 2005, the North Carolina General Assembly, in response to data indicating uncertainty about exemptions and with leadership from the North Carolina Association of Local Health Directors, amended the section of the state's smoking law, enabling LHDs to implement more stringent policies. The new law specifies that the exemption applies to both LHD buildings and grounds, including areas within 50 feet of a building.^{††}

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Editorial Note: The findings described in this report indicate uncertainty among the majority of LHD directors in North Carolina regarding whether the state's 1993 smoking law prevented them from implementing a tobacco-free policy. The North Carolina Tobacco Control Program works to implement a comprehensive tobacco prevention and control program, of which smoke-free policies are a substantial component. Achieving tobacco-free policies in North Carolina LHDs will require leadership from LHD directors, policy approval from local boards of health, and support from LHD employees. Given that 86.8% of LHD directors reported that their employees would support 100% tobacco-free policies

Current smoker was defined as a person who uses pipes, cigars, or cigarettes. Nonsmoker was defined as a person who never uses pipes, cigars, or cigarettes. Former smoker was defined as a person who has used pipes, cigars, or cigarettes but not currently.

^{**} Pro-Children Act of 1994. Pub. L. 103-227. 20 USC 6081-6084 (March 31, 1994).

^{††} North Carolina General Statute 143-599. An act to exempt from the law governing smoking restrictions local health departments and the buildings and grounds where they are located (2005). Available at http:// www.ncga.state.nc.us/sessions/2005/bills/house/html/h239v4.html.

and given the known health benefits of such policies, policy gains might be possible. Implementation of such policies can reduce smoking and encourage cessation among LHD employees while protecting employees, patients, and visitors from exposure to secondhand smoke.

The findings in this report are subject to at least three limitations. First, the survey consisted of self-reported data and opinions of LHD directors regarding smoking policies; LHD directors might overestimate or underestimate the percentage of employees who smoke or employee support for tobaccofree policies. Second, although opinions of LHD directors are influential, LHD policies also are influenced by opinions from local boards of health, which might differ from those of directors. Finally, these data represent LHDs only in North Carolina. Other states already have tobacco-free policies in place at LHDs; however, such policies are not tracked.

If LHDs establish 100% tobacco-free policies, they will need to ensure enforcement. In the study described in this report, most directors reported that no single person was officially responsible for enforcement; new policies should include language and mechanisms to ensure prohibition of tobacco use in difficult-to-monitor locations such as in LHD vehicles, outside entrances, on loading docks, and at LHD events and functions. LHD employees who smoke also should be provided access to cessation-support services, which can substantially improve their odds of quitting smoking (9). In this study, LHD directors indicated their awareness of the adverse health effects of secondhand smoke. By implementing tobacco-free policies, they also can acknowledge the important role that LHD policies can play in modeling healthy behavior to the public and changes in social norms regarding the acceptability of smoking.

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Progress Toward Poliomyelitis Eradication — India, January 2004–May 2005

Since 1988, the global incidence of polio has decreased by more than 99%, and three World Health Organization (WHO) regions (Americas, Western Pacific, and European) have been certified as polio-free (1). India, the largest of the six countries where polio remains endemic, experienced a large polio outbreak (1,600 cases) in 2002 (2). Since then, the Government of India (GOI) has accelerated its polio eradication activities by increasing the number and quality of supplementary immunization activities (SIAs),* which reduced the number of reported cases to 225 in 2003, 134 in 2004, and 18 in 2005 (as of June 18) (3). During 2004 and early 2005, taking advantage of the geographic restriction of wild poliovirus (WPV) circulation, GOI and its partners launched several immunization and surveillance strategies to maximize the probability of eliminating poliovirus transmission in India. With continued high-quality interventions, interruption of WPV transmission in India by the end of 2005 appears feasible. This report summarizes progress toward polio elimination during January 2004-May 2005 toward that end.

Acute Flaccid Paralysis (AFP) Surveillance

Since 2000, India has exceeded the WHO-established AFP surveillance quality targets (i.e., a nonpolio AFP rate of ≥ 1 case per 100,000 population aged <15 years and adequate stool

^{*} Mass campaigns conducted during a brief period (days to weeks) in which 1 dose of oral polio vaccine (OPV) is administered to all children aged <5 years, regardless of vaccination history. The geographic extent of campaigns (national versus subnational) is determined by analysis of surveillance data. OPV can be administered at fixed sites, by mobile teams during house-to-house visits, by mobile teams at transit points (e.g., train stations or markets), or through a combination of strategies, depending on local circumstances.

specimen collection[†] from $\geq 80\%$ of AFP cases). During 2004, the nonpolio AFP rate was ≥ 1 case per 100,000 in 29 of India's 35 states (representing more than 99% of India's population). Adequate stool specimen collection for $\geq 80\%$ of AFP cases was reported from 26 states, with adequate specimen collection at 70%–80% in the remaining nine states.

AFP surveillance in India is facilitated through a network of WHO surveillance medical officers (SMOs)[§] who assist national, state, and local health authorities. Since May 2004, SMOs have accelerated efforts to detect and investigate all AFP cases, resulting in increased nonpolio AFP rates nationally, particularly in the states of Bihar and Uttar Pradesh, where polio remains endemic. During January–May 2005, compared with the same period in 2004, approximately twice as many AFP cases were detected and investigated in India. Adequate stool specimen collection remained above 80% in Uttar Pradesh and increased from 77% to 83% in Bihar (Table).

Virologic testing of stool specimens from AFP patients is conducted at eight national laboratories, all of which are accredited by WHO as part of the Global Poliovirus Laboratory Network. These laboratories perform primary isolation of polioviruses. Two of the laboratories (Chennai and Lucknow) also serve as upgraded national laboratories performing intratypic differentiation (ITD); one laboratory, the Enterovirus Research Centre (ERC) (Mumbai), functions as one of seven Global Specialized Poliovirus Laboratories and performs genetic sequencing of all poliovirus isolates in India. The laboratories have sustained high levels of performance despite an increased workload (33,272 specimens from AFP cases tested in 2004, compared with 16,403 specimens in 2003). For 97% of specimens, results of primary virus isolation in 2004 were communicated to the program within 28 days of specimen receipt in the laboratory. The mean interval from receipt of primary culture results to receipt of ITD results was 8 days (range: 2-21 days).

WPV Incidence

India reported 134 polio cases with patient onset of paralysis in 2004, compared with 225 reported cases in 2003. Of the 134 cases, 127 (95%) had isolation of WPV type 1 (P1) and seven cases (5%) had isolation of WPV type 3 (P3). As of June 18, 2005, India had reported 18 polio cases with onset in 2005: eight from Bihar (most recent case with onset on May 8, Araria district), seven from Uttar Pradesh (most recent case with onset on April 19, Ferozebad district), and one each from the states of Delhi, Jharkhand, and Uttaranchal (Figure 1). All 18 cases reported in 2005 were caused by P1; the most recent P3 case reported from India had onset in December 2004 in Rampur District, Uttar Pradesh.

All WPVs isolated in India are sequenced across the ~900nucleotide interval encoding the major capsid protein (VP1) at ERC, and results are analyzed to determine the likely origin (by state and district) of the virus. The number of distinct genetic clusters[¶] of P1 decreased from 10 in 2003 to three in 2004 and two in 2005 (as of June 18). Only one P3 cluster was detected in 2004, with a single case in Bihar in January 2004; a distinct subcluster of lineages was detected in western Uttar Pradesh, including the most recent Indian P3 cases in December 2004.

Through weekly environmental sewage sampling in three urban wards of Mumbai, P1 was detected from late 2003 through most of 2004. During 2004, three P1 cases were reported from Mumbai and nearby districts, with onset on May 26 (Mumbai), July 10 (Thane district), and November 3 (Nasik district). As of June 18, no polio cases have been reported from Mumbai during 2005, but P1 was detected during April 2005 in environmental samples from two of the three sampled wards. Genetic sequencing of poliovirus isolates from sewage and cases in Mumbai and nearby districts indicate that all originated from Bihar or Uttar Pradesh.

Immunization Activities

Surveys indicate that routine vaccination coverage of infants with 3 doses of oral poliovirus vaccine (OPV), one of the four main polio eradication strategies, continues to be low in the remaining states where polio is endemic (Bihar: 21.1%; Uttar Pradesh: 41.4%). In April 2004, GOI, in partnership with WHO and UNICEF, initiated a strategic plan to strengthen routine childhood immunization in the polioendemic districts of western Uttar Pradesh (Figure 2).

To sustain the impact of SIAs conducted in 2003, GOI conducted eight SIA rounds during 2004, including five nationwide rounds and three subnational rounds in states and districts in which WPV had been detected or that were at high risk for WPV circulation. During the first 5 months of 2005, four SIAs were conducted, including two national rounds and two subnational rounds in Mumbai and states with populations at high risk (Bihar, Delhi, Jharkhand, Uttaranchal, Uttar Pradesh, and West Bengal). During late 2004 and early 2005, additional personnel (from GOI, WHO, UNICEF, Rotary International, and the Child Survival Collaborations and Resources [CORE] group of private voluntary organizations)

⁺Two specimens collected ≥24 hours apart, both within 14 days of paralysis onset, and shipped on ice or frozen ice packs to a WHO-accredited laboratory. [§]Includes eight regional coordinators, 21 subregional coordinators, and 265

district-level SMOs.

[¶]Isolates within a cluster share ≥95% VP1 nucleotide sequence identity.

No. of AFP cases reported				Nonpolio AFP rate [†]		% of AFP cases with adequate specimen collection			No. of confirmed wild poliovirus cases			
		Jan-	-May		Jan–May			Jar	n–May		Jan–May	
Location	2004	2004	2005	2004	2004	2005	2004	2004	2005	2004	2004	2005
India	13,275	4,117	8,681	3.24	1.41	3.35	82	82	83	134	13	18
Uttar Pradesh	4,058	1,200	3,530	5.72	2.21	8.01	81	81	82	82	4	7
Bihar	2,189	572	1,548	6.15	2.05	6.97	78	77	83	39	4	8

TABLE. Acute flaccid paralysis (AFP) surveillance data, by period — Uttar Pradesh and Bihar, India, January–May 2004 and January–May 2005*

* Year-to-date data reported to the World Health Organization as of June 19, 2004, for 2004 and as of June 18, 2005, for 2005.

[†]Per 100,000 population aged <15 years.





* As of June 18. 2005.

were deployed to assist in planning and implementing intensified SIAs in Bihar, Mumbai, and Uttar Pradesh. Increased emphasis was placed on developing communication and other strategies to target underserved population groups missed during previous SIAs. Mobile teams vaccinated children at major transit points (e.g., railway and bus stations) and on moving trains, resulting in vaccination of an additional 5 million children. External monitoring of the April 2005 SIA round indicated high coverage of populations in areas of high risk, with an estimated 5.6%, 3.6%, and 2.8% of children remaining unvaccinated in western Uttar Pradesh, Bihar, and Mumbai, respectively.

In December 2004, the India Expert Advisory Group recommended acceleration of the development and licensing of monovalent OPV type 1 (mOP1) for use in SIAs (4). One dose of mOP1 elicits a stronger type 1– specific immune response, compared with 1 dose of trivalent OPV, for which the type 2 and 3 vaccine components interfere with the response to the type 1 component (5-7). In the absence of P2 (eliminated worldwide since 1999) and with P3 circulation in India localized and possibly eliminated, mOP1 is expected to optimize seroconversion among vaccine recipients.

Through close cooperation among GOI, vaccine manufacturers, and partner agencies, mOP1 was developed, licensed, and used during the SIA rounds of April, May, and June 2005 in Bihar, Uttar Pradesh, Mumbai, Delhi, and certain districts of Uttaranchal. Trivalent OPV continues to be used in the routine childhood immunization program and in SIAs in states that are not at high risk for WPV circulation.

Reported by: Ministry of Health and Family Welfare, Government of India; National Polio Surveillance Project; Immunization and Vaccine Development Dept, WHO Regional Office for South-East Asia, New Delhi; Poliovirus

Laboratory Network, Ahmedabad, Bangalore, Chennai, Coonoor, Kasauli, Kolkata, Lucknow, and Mumbai; UNICEF, New Delhi, India. Vaccines and Biologicals Dept, WHO, Geneva, Switzerland. Div of Viral and Rickettsial Diseases, National Center for Infectious Diseases; Global Immunization Div, National Immunization Program, CDC.

Editorial Note: The polio eradication program in India continues to improve, particularly in the states of Bihar and Uttar Pradesh, where poliovirus is endemic. The number of WPV cases declined from 225 in 2003 to 134 in 2004, the lowest incidence of polio in India since the polio eradication initiative began.

As of June 18, 2005, India reported 18 polio cases with paralysis onset dates during January–May 2005, compared with 13 cases reported for the same period in 2004. Despite this apparent increase, substantial evidence exists to indicate



FIGURE 2. Number of poliomyelitis cases, by month and year — India, January 1998–May 2005*

* As of June 18, 2005.

[†] National Immunization Days.

§ Subnational Immunization Days.

[¶] Monovalent oral poliovirus vaccine type 1.

** Supplementary immunization activities.

continued restriction of WPV transmission. First, AFP surveillance sensitivity has improved substantially since mid-2004, particularly in Bihar and Uttar Pradesh. Second, genetic-sequencing data indicate that transmission is substantially restricted, with only two P1 genetic clusters circulating in 2005 (as of June 18). Third, P3 was last isolated in December 2004. Analysis of surveillance data through the remainder of 2005 will indicate whether P3 has been eliminated. Finally, the geographic distribution of P1 circulation has been less extensive during the first 5 months of 2005 compared with the same period in 2004, when cases were identified in the southern states of Karnataka and Tamil Nadu.

The polio laboratory network remains one of the strongest components of India's polio eradication program. The laboratories provided rapid results in 2004, even though more than twice as many specimens were tested that year as in 2003. Genetic data provided by ERC are being used to target efforts in the most critical areas. For example, during SIAs, vaccinators are now deployed along major train routes because genetic data and epidemiologic case investigations have identified routes of virus transmission across districts and states. Throughout 2004 and the first 6 months of 2005, innovative strategies were used to increase the efficiency of SIAs. Through intensive cooperation among GOI and partner agencies, mOP1 was rapidly developed, licensed, and made available to the polio eradication program. Emphasis on community education that targets specific subpopulations and children in transit, as well as enhanced collaboration among all polio eradication partners, will help ensure that children in populations at highest risk are reached. Combining a more effective vaccine with improvements in its delivery increases the likelihood of interrupting WPV transmission.

The reduced number of polio cases, reduced genetic diversity and geographic spread of the virus, increased surveillance sensitivity, and improved SIA quality suggest that India will soon eliminate poliovirus. Success depends on the continued involvement of state and national governments, in collaboration with polio eradication partners.

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Notice to Readers

Epidemiology in Action Course

The Rollins School of Public Health at Emory University and CDC's Office of Workforce and Career Development will cosponsor the course, "Epidemiology in Action," October 31– November 11, 2005, at the Emory University campus. The course is designed for state and local public health professionals; tuition is charged.

The course emphasizes the practical application of epidemiology to public health problems and consists of lectures,



Source: National Health Interview Survey, 2003. Available at http://www.cdc.gov/nchs/nhis.htm.

workshops, classroom exercises (including actual epidemiologic problems), and roundtable discussions. Topics include descriptive epidemiology and biostatistics, analytic epidemiology, epidemic investigations, public health surveillance, surveys and sampling, Epi Info (Windows version) training, and discussions of selected prevalent diseases.

Additional information and applications are available from Emory University, Department of Global Health, 1518 Clifton Road, N.E., Room 746, Atlanta, Georgia, 30322; telephone 404-727-3485; fax 404-727-4590; website http:// www.sph.emory.edu/epicourses; e-mail pvaleri@sph.emory.edu.

Notice to Readers

Enhanced CDC Public Health Image Library Available Online

The online CDC Public Health Image Library (PHIL) has been updated and enhanced with a new design and new functions; PHIL also has a new link to its website. PHIL contains approximately 7,000 free public health-related images, including high-resolution photographs, illustrations, and videos devoted to topics ranging from science, to public health, to CDC.

Most photos and illustrations are not copyrighted, although users should attribute CDC as the source where appropriate. Images are accessible by persons using both Windows and Macintosh operating systems. PHIL photos and illustrations are routinely used by health professionals, news media, and the general public to enhance news reports, health promotion brochures, manuscripts, classroom instruction, and presentations. PHIL is now available at http://phil.cdc.gov/phil/ home.asp.

CASES CURRENT DISEASE DECREASE INCREASE 4 WEEKS Hepatitis A, acute 153 Hepatitis B, acute 208 Hepatitis C, acute 40 Legionellosis 84 Measles 1 Meningococcal disease 58 Mumps 14 Pertussis 863 Rubella 1 0.125 0.25 0.5 2 1 4 Ratio (Log scale)* Beyond historical limits

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals July 2, 2005, with historical data

* Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

TABLE I. Summary of pr	ovisional cases of selected	notifiable diseases. L	Jnited States, cumulative,	week ending July	v 2. 2005 (26th Week)*
			,		, ,

Disease	Cum. 2005	Cum. 2004	Disease	Cum. 2005	Cum. 2004
Anthrax	_	_	Hemolytic uremic syndrome, postdiarrheal [†]	65	60
Botulism:			HIV infection, pediatric ^{†1}	150	206
foodborne	5	6	Influenza-associated pediatric mortality**	39	_
infant	29	38	Measles	21††	19 ^{§§}
other (wound & unspecified)	11	5	Mumps	126	109
Brucellosis	46	47	Plague	2	_
Chancroid	12	24	Poliomyelitis, paralytic	—	—
Cholera	2	4	Psittacosis [†]	10	6
Cyclosporiasis [†]	563	108	Q fever [†]	50	34
Diphtheria	—		Rabies, human	1	—
Domestic arboviral diseases			Rubella	5	9
(neuroinvasive & non-neuroinvasive):	_	—	Rubella, congenital syndrome	1	_
California serogroup ^{†§}	—	18	SARS [†] **	—	_
eastern equine ^{†§}	_		Smallpox [†]	—	_
Powassan ^{†§}	_	1	Staphylococcus aureus:		
St. Louis†§	_	3	Vancomycin-intermediate (VISA) [†]	—	_
western equine ^{†§}	_		Vancomycin-resistant (VRSA) [†]	—	1
Ehrlichiosis:	_	_	Streptococcal toxic-shock syndrome [†]	79	89
human granulocytic (HGE) [†]	94	101	Tetanus	11	9
human monocytic (HME) [†]	68	69	Toxic-shock syndrome	51	45
human, other and unspecified [†]	18	12	Trichinellosis	7	-
Hansen disease [†]	36	50	Tularemia [†]	42	34
Hantavirus pulmonary syndrome [†]	8	8	Yellow fever	—	_

-: No reported cases.

* Incidence data for reporting years 2004 and 2005 are provisional and cumulative (year-to-date).

Not notifiable in all states.

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

¹ Updated monthly from reports to the Division of HIV/AIDS Prevention, National Center for HIV, STD, and TB Prevention. Last update May 29, 2005.

** Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases.

†† Of 21 cases reported, 13 were indigenous and eight were imported from another country.

Of 19 cases reported, is were indigenous and 12 were imported from another country.

Formerly Trichinosis.

	A	IDS	Chla	mvdia†	Coccidioi	domvcosis	Cryptosp	oridiosis
Reporting area	Cum. 2005§	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004
	16 504	20.011	436 635	456 567	2 108	2 644	927	1 232
NEW ENGLAND Maine N.H. Vt. ¹¹ Mass. R.I. Conn.	673 673 8 10 4 331 68 252	729 14 26 13 234 70 372	15,374 994 882 501 7,174 1,544 4,279	15,095 978 825 574 6,648 1,662 4,408	2,100 N — — — N	2,044 N — — — N	527 54 7 14 18 1 6	73 13 16 7 26 2 9
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	3,059 318 1,725 472 544	4,442 603 2,328 786 725	52,779 10,930 17,997 5,526 18,326	56,880 11,158 17,683 8,984 19,055	N N N	 	129 35 31 8 55	195 41 60 15 79
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	1,387 209 198 664 246 70	1,702 229 215 846 323 89	68,286 19,187 9,857 19,605 11,979 7,658	81,290 20,879 8,994 23,253 18,931 9,233	4 N 	5 N 5 N	191 71 11 12 29 68	318 71 31 49 63 104
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. ¹ Kans.	394 104 48 163 5 9 18 47	392 92 26 169 13 6 21 65	25,780 4,067 2,951 11,145 519 1,377 2,545 3,176	27,766 5,857 3,311 10,115 952 1,208 2,603 3,720	3 3 N N N	5 N 3 N 2 N	145 42 24 55 	158 57 30 23 7 20 9 12
S. ATLANTIC Del. Md. D.C. Va. ¹¹ W. Va. N.C. S.C. ¹¹ Ga. Fla.	5,315 81 637 407 273 30 399 287 896 2,305	6,029 80 686 355 330 30 334 375 888 2,951	84,212 1,617 9,027 1,872 9,713 1,294 16,899 9,964 12,485 21,341	85,433 1,443 9,366 1,796 10,789 1,389 14,361 9,001 16,101 21,187	 N N	 	186 — 12 2 14 4 25 7 46 76	213 — 10 4 24 3 38 11 65 58
E.S. CENTRAL Ky. Tenn. ¹¹ Ala. ¹¹ Miss.	896 118 369 244 165	946 106 386 228 226	31,903 4,941 10,978 5,778 10,206	29,106 2,769 11,196 6,830 8,311	N N	3 N N 3	28 10 6 11 1	48 16 13 11 8
W.S. CENTRAL Ark. La. Okla. Tex. ¹¹	1,896 71 370 113 1,342	2,515 125 563 87 1,740	54,768 4,361 9,334 5,224 35,849	57,937 4,107 12,831 5,546 35,453	 N	2 1 1 N N	25 1 3 13 8	46 8 11 27
MOUNTAIN Mont. Idaho ¹¹ Wyo. Colo. N. Mex. Ariz. Utah Nev. ¹¹	643 4 7 1 127 60 258 33 153	717 4 11 6 135 106 278 31 146	25,939 1,029 1,112 558 6,969 1,945 9,428 1,919 2,979	25,580 1,285 1,433 533 6,634 4,375 7,072 1,752 2,496	1,378 N 2 N 3 1,340 2 31	1,611 N N 12 1,558 8 33	59 11 2 19 2 6 7 8	55 10 5 2 24 3 8 2 1
PACIFIC Wash. Oreg. [¶] Calif. Alaska Hawaii	2,241 196 117 1,865 10 53	2,539 213 131 2,135 14 46	77,594 9,718 4,309 59,415 1,927 2,225	77,480 8,855 4,064 59,820 1,914 2,827	723 N 	1,018 	110 5 19 86 —	126
Guam P.R. V.I. Amer. Samoa C.N.M.I.	1 335 8 U 2	1 208 6 U U	2,089 32 U	672 1,902 194 U U	N U	N U U	N U	N

 TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004 (26th Week)*

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Incidence data for reporting years 2004 and 2005 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, National Center for HIV, STD, and TB Prevention. Last update May 29, 2005. ¶ Contains data reported through National Electronic Disease Surveillance System (NEDSS).

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		Escheri	<i>ichia coli</i> , Ente	rohemorrhagic	(EHEC)					
			Shiga toxi	n positive,	Shiga toxir	n positive,				
	015	7:H7	serogroup	non-0157	not seroe	grouped	Giardia	asis	Gono	rrhea
Reporting area	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004
UNITED STATES	661	778	92	120	76	65	7,109	8,022	145,952	158,196
NEW ENGLAND	51	56	25	29	8	7	648	744	2,945	3,514
Maine	9	2	5		—	—	77	66	61	130
N.H. Vt.	с 6	6	1		_	_	35 74	61	26	44
Mass.	18	26	7	8	8	7	271	334	1,365	1,499
R.I. Conn	2	5		1	—	_	40	54	242	428
	70	100		13	_		1004	1 707	1,175	1,002
Upstate N.Y.	79 36	42	5	6	3	6	476	546	3.073	3.657
N.Y. City	2	16	_		_		361	540	4,621	5,677
N.J.	14	17		4		4	171	232	2,066	3,384
FA.	101	20	1	01	5	4	350	449	5,291	00,400
Ohio	41	36	8 1	4	4	8 7	304	355	≥7,168 8.869	33,489 10.605
Ind.	21	17	_	_	_	_	N	N	3,864	3,097
III. Mich	14	34	1	1		1	183	374	7,868	9,881
Wis.	18	39	6	12		_	247	190	2,028	2,305
W.N. CENTRAL	101	138	19	17	10	14	853	889	8.244	8,194
Minn.	14	30	6	7	2	2	423	304	1,141	1,453
lowa	26	41					97	121	643	592
No. N. Dak.	30	4	<u> </u>	<u> </u>	3	4 5	1/8	13	4,533	4,160
S. Dak.	6	9	2			_	37	32	193	133
Nebr. Kans	8 16	18 14	3	2	3	3	44	64 108	615 1 090	537 1 255
	97	69	10	11	25	10	1 027	1 260	25 225	27 974
Del.		1	Ň	N	N	N	16	25	394	461
Md.	16	17	2	2	—	2	74	46	3,335	3,967
D.G. Va	10	1 7	6	6	8	_	22 229	38 182	1,003	1,239
W. Va.	1	1	_	_	_	_	16	14	359	419
N.C.	-		—	_	19	6	N	N	7,877	7,617
5.0. Ga.	13	15	2	1	_	_	234	44	4,228	4,382 6.864
Fla.	46	20	2	2	8	2	415	506	9,358	8,650
E.S. CENTRAL	37	46	—	3	5	8	171	176	11,938	12,559
Ky. Tann	9	11	—	1	4	5	N 97	N	1,557	1,218
Ala.	11	12	_	_	_		84	88	3,368	3,986
Miss.	1	8	—	2	—	—	_	—	3,118	3,320
W.S. CENTRAL	22	41	3	2	3	4	112	129	21,659	21,781
Ark. La	3	8	3	_	2	_	38 17	54 22	2,247	2,085 5,822
Okla.	9	9	_	_		_	57	53	2,135	2,299
Tex.	7	22	—	2	1	4	N	Ν	12,244	11,575
MOUNTAIN	63	70	17	19	3	—	543	592	5,340	5,391
Mont. Idaho	4 9	3 18	5	3	1	_	22 42	19 77	56 45	48 40
Wyo.	_	1	2	1		_	12	8	30	27
Colo.	15	18	1	1	1	_	202	197	1,407	1,562
N. Mex. Ariz.	14	6	3 N	N N	N	N	71	35 85	2.027	1.820
Utah	10	9	6	10	_	_	142	123	298	258
Nev.	9	9	—	1	1	—	36	48	1,128	1,117
PACIFIC	100	98	2	1	—	—	1,328	1,265	18,282	17,263
Oreg.	25 25	12	2	1	_	_	120	124	760	537
Calif.	41	52	_	_	—	_	1,022	874	15,071	14,397
Alaska Hawaii	6	1	_			_	36	32	263	312 677
Guam	N	5 NI	—		_		00	40	400	100
P.R.	IN		_	_	_	_	26	2 90	198	144
V.I.									2	64
Amer. Samoa C N M I	U	U	0	U	0	U	U	U	0	U

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004 (26th Week)*

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Incidence data for reporting years 2004 and 2005 are provisional and cumulative (year-to-date).

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• • •		Haemophilus influenzae, invasive										
	All a	iges			Age <	5 years						
	All ser	otypes	Serc	otype b	Non-se	rotype b	Unknown	serotype				
Reporting area	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004				
UNITED STATES	1,168	1,126	3	8	61	63	117	106				
NEW ENGLAND	87	108	_	1	7	7	4	1				
Maine	4	7	_	_	_		1	_				
Vt.	6	5	_	_	_		2	1				
Mass.	38	54	—	1	2	2	1	—				
Conn.	28	26	_	_	2 3	3	_	_				
MID. ATLANTIC	230	232	_	1	_	3	28	28				
Upstate N.Y.	64	78	—	1	—	3	5	4				
N.J.	42	49	_	_	_	_	9 7	2				
Pa.	80	63	—	—	—	—	7	13				
E.N. CENTRAL	151	209	1	—	1	8	9	30				
Ind	80 39	66 30	_	_	1	2	1	10				
III.	13	67	<u> </u>	—	_		1	15				
Mich. Wis	12	14 32	1					3				
WN CENTRAL	62	59	_	2	3	3	9	5				
Minn.	21	27	—	1	3	3	_	_				
lowa Mo		1	_	1	_	_	7					
N. Dak.	1	3	_	_	_	_	1					
S. Dak.		_	—	—	—	—		—				
Kans.	5	2 6	_		_	_	—	1				
S. ATLANTIC	276	255	1	_	16	18	15	17				
Del.	<u> </u>	45	—	—			—	—				
D.C.	40	45	_	_	4	5	_	1				
Va.	26	21	—	—	_	_	_	1				
w. va. N.C.	15 52	35	1	_	5	3	3	_				
S.C.	10	7	—	—	_	_	1	1				
Ga. Fla.	56 77	74 61	_	_	6	5	4	14				
E.S. CENTRAL	71	43	_	_	1	_	12	7				
Ky.	6	3	_	—	1	_	1	_				
Ala.	49 16	29 11	_	_	_	_	4	5				
Miss.	_	_	_	_	_	_	_	_				
W.S. CENTRAL	71	44	1	1	4	5	7	1				
Ark. La.	4 26	1 9	1	_	2	_	1	1				
Okla.	41	33	—	<u> </u>	2	5	_	—				
lex.	_	1	_	1	_	_	_	—				
MOUN IAIN Mont	161	123	_	3	16	14	26	12				
Idaho	3	5	—	—	—	—	1	2				
Wyo.	3 30	30	_	_	_	_	1	3				
N. Mex.	13	25	_	_	4	4	1	4				
Ariz.	88	44	—		10	6	9	1				
Nev.	13	10	_	1	2	3	2	1				
PACIFIC	59	53	_	_	13	5	7	5				
Wash.		1	—	—	—	—		1				
Calif.	24 26	∠o 17	_		13	5	5 1	2 1				
Alaska	4	5	—	—	—	—	1	1				
nawali	5	4	_	_	_	—	_	_				
P.R.	_	_	_	_	_	_	_	_				
V.I.												
C.N.M.I.	<u> </u>	U	<u> </u>	U	<u> </u>	U	<u> </u>	U				

 TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004

 (26th Week)*

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Incidence data for reporting years 2004 and 2005 are provisional and cumulative (year-to-date).

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		Hepatitis (viral, acute), by type									
		Α		В		С					
Reporting area	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004					
UNITED STATES	1,811	2,873	2,753	2,884	386	354					
NEW ENGLAND Maine N.H. Vt. Mass. R.I.	248 1 46 3 167 5	413 8 11 7 346 10	149 8 10 2 107 1	186 1 22 2 93 3	7 7 	7 1 					
Conn.	26	31	21	65	U	_					
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	293 50 147 47 49	352 41 135 80 96	574 46 49 371 108	378 37 75 103 163	51 12 — 39	65 3 62					
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	175 27 22 37 75 14	231 26 24 74 83 24	186 71 15 15 85	269 66 16 33 130 24	67 4 15 48 	41 3 12 23					
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans.	57 3 17 27 — 3 7	81 23 25 13 1 2 9 8	186 11 64 83 — 14 14	178 21 11 116 2 	25 3 20 1 	6 4 2 					
S. ATLANTIC Del. Md. D.C. Va. W.Va. N.C. S.C. Ga. Fla.	263 1 27 2 43 3 38 8 45 96	519 5 66 4 1 34 30 194 141	719 34 89 4 84 19 86 41 95 267	930 25 81 13 103 4 91 68 279 266	128 59 17 8 5 9 1 4 25	90 4 2 1 8 16 6 8 7 38					
E.S. CENTRAL Ky. Tenn. Ala. Miss.	117 6 84 14 13	89 11 64 6 8	182 36 69 40 37	237 25 113 39 60	44 4 8 8 24	38 16 10 2 10					
W.S. CENTRAL Ark. La. Okla. Tex.	105 3 35 3 64	389 50 20 17 302	180 20 27 20 113	137 58 28 34 17	18 	56 1 3 2 50					
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah	177 7 15 20 8 107 13	224 4 10 3 22 10 144 24	279 3 6 1 24 7 190 28	221 1 6 7 23 10 115 18	19 — — 9 — 6	20 2 1 4 U 2 2					
Nev. PACIFIC Wash. Oreg. Calif. Alaska Hawaii	7 376 22 26 315 3 10	7 575 31 40 487 3 14	20 298 37 46 206 6 3	41 348 26 58 252 8 4	4 27 7 9 11 	9 31 9 12 - 1					
Guam P.R. V.I. Amer. Samoa C.N.M.I.	14 U	1 21 U U	9 U	10 38 — U U	 	8 U U					

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004 (26th Week)*

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Incidence data for reporting years 2004 and 2005 are provisional and cumulative (year-to-date).

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	Legion	ellosis	Liste	riosis	Lyme o	disease	Mala	aria
Reporting area	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004
UNITED STATES	579	741	243	277	3,501	6,329	493	632
NEW ENGLAND Maine N.H. Vt. Maes	36 1 4 	22 — 1	8 	12 3 1 	224 18 31 5 112	1,003 29 49 13 633	26 3 3 1	54 4
R.I. Conn.	3	2 5	1 2	3 1 4	3 55	61 218	2	2 13
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	162 41 18 34 69	171 33 20 24 94	52 15 9 9 19	61 17 10 16 18	2,449 589 945 915	4,171 1,190 137 1,264 1,580	134 23 61 31 19	158 19 78 35 26
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	113 57 7 12 29 8	173 81 14 23 47 8	23 10 1 - 7 5	48 16 8 9 13 2	46 30 4 4 8	456 22 4 47 4 379	35 11 9 12 3	58 13 7 18 12 8
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans.	17 1 9 1 2 	19 1 3 10 1 1 2	11 2 4 2 2 — 1	5 1 2 — 1	141 112 15 12 — — 2	80 39 13 20 — 6 2	25 11 3 10 - 1	39 18 1 10 2 1 2 5
S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla.	135 8 35 2 12 5 14 2 10 47	161 3 29 7 14 3 15 6 25 59	60 N 10 5 2 11 1 11 20	37 N 5 1 8 1 8 9	548 174 273 3 40 3 24 7 	544 82 350 2 26 2 49 5 9 19	103 	149 3 30 8 12 9 7 32 48
E.S. CENTRAL Ky. Tenn. Ala. Miss.	25 7 10 7 1	35 9 14 11 1	12 1 6 4 1	16 4 7 3 2	16 1 15 —	23 11 9 3 —	12 3 6 3 —	18 1 3 11 3
W.S. CENTRAL Ark. La. Okla. Tex.	10 1 4 2 3	89 — 5 2 82	11 5 6	23 2 2 19	31 2 3 <u>-</u> 26	14 2 1 	33 2 2 2 27	63 6 3 2 52
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev.	49 4 1 3 14 1 14 5 7	40 1 4 6 1 10 11 3	3 — 2 — — 1	12 1 3 1 7	3 1 	5 2 2 	26 — 1 14 5 4 2	22 7 1 5 5 3
PACIFIC Wash. Oreg. Calif. Alaska Hawaii	32 — N 32 —	31 5 N 26 —	63 6 4 53 —	63 6 5 51 1	43 1 5 36 1 N	33 2 14 17 N	99 8 3 80 3 5	71 3 10 55 3
Guam P.R. V.I. Amer. Samoa C.N.M.I.	 	 U	 	 U	N U	N U U	1 	 U U

 TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004

 (26th Week)*

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Incidence data for reporting years 2004 and 2005 are provisional and cumulative (year-to-date).

MMWR

	Meningococcal disease									
	All sero	groups	Sero A, C, Y, a	group Ind W-135	Serogr	oup B	Other se	rogroup	Serogrou	o unknown
Reporting area	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004
UNITED STATES	688	729	52	57	35	30	_	1	601	641
NEW ENGLAND	51	38	1	4	_	5	_	1	50	28
Maine	2	8	_	_	_	1	_	_	2	7
Vt.	4	1	_	_	_	_	_	_	4	1
Mass.	25	22	—	4	—	4	—	—	25	14
Conn.	10	3	1	_	_	_	_	1	9	2
MID. ATLANTIC	91	110	26	33	4	5	_	_	61	72
Upstate N.Y.	23	32	3	5	3	3	—	—	17	24
N.Y. City N.J.	26	20	_	_	_	_	_	_	26	20
Pa.	30	39	23	28	1	2	_	—	6	9
E.N. CENTRAL	61	77	15	14	5	5	_	—	41	58
Unio Ind.	28 10	41 12	_	3	5	4	_	_	23	34 11
III.	3	1			—	_	—	—	3	1
Mich. Wis	15	11 12	15	11	_	_	_			12
WN CENTRAL	44	48	2	_	1	4	_	_	41	44
Minn.	6	14	1	_		—	_	—	5	14
lowa Mo	12	10 14	1	_	1	2	_	_	11	8
N. Dak.	—	1	_	_	_	_	_	_	—	1
S. Dak.	2	2	—	—	—	1	—	—	2	1
Kans.	6	2 5	_	_	_	_	_	_	6	5
S. ATLANTIC	132	141	4	2	7	2	_	_	121	137
Del.	2	2	_	—	_	—	—	—	2	2
D.C.	15	7 5		2	2	_	_	_		3
Va.	16	9		—	_	—	_	—	16	9
W.Va. N C	5 19	4 21	1	_	5	2	_	_	4 13	4 19
S.C.	11	13	_	_	_		_	—	11	13
Ga. Fla	12	9 71	_	_	_	_	_	_	12	9 71
E S CENTRAI	34	35	_	_	3	_	_	_	31	35
Ky.	11	4	_	_	3	_	_	_	8	4
Tenn.	15	11	—	—	—	—	—	—	15	11
Miss.	4	10	_	_	_	_	_	_	4	10
W.S. CENTRAL	54	42	1	1	5	1	_	_	48	40
Ark.	9	10	—	_	_	—	—	—	9	10
La. Okla.	23	25	1		2	1	_	_	21	24
Tex.	10	3	—	—	—	—	—	—	10	3
MOUNTAIN	59	41	2	1	5	4	_	—	52	36
Mont. Idaho	1	3	_	_	_	_	_	_	1	3
Wyo.		3		—	—	—	—	—		3
Colo. N Mex	13	11	2	1	_	3	_	_	11	11
Ariz.	32	6	_	_	2	_	_	—	30	6
Utah Nev	7	3	_	_	2	1	_	_	5	3
	162	197	1	2	5	4	_	_	156	101
Wash.	29	16	1	2	4	4	_	_	24	10
Oreg.	25	39	—	—	—	—	—	—	25	39
Alaska	1	2	_	_	_	_	_	_	99 1	2
Hawaii	8	5	—	—	1	—	—	—	7	5
Guam			—	—	—	—	—	—		_
г.п. V.I.	4	9	_	_	_	_	_	_	4	9
Amer. Samoa	_	_	—	—	_	_	_	_	_	—
U.N.M.I.	_	_	_	_	—	_	_	—	_	_

 TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004 (26th Week)*

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	Pert	ussis	Rabies	, animal	Rocky M spotte	lountain d fever	Salmoi	nellosis	Shigellosis		
Reporting area	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	
UNITED STATES	8,253	6,008	2,390	3,044	414	440	13,488	15,284	4,925	5,974	
NEW ENGLAND Maine N.H.	502 13 25	778 3 25	357 26 7	254 30 10	1 N	8 N	889 71 78	765 38 48	108 4 4	123 2 5	
Vt. Mass. R.I. Conn	59 374 11 20	40 669 16 25	27 210 8 79	10 103 16 85	 1	7	49 474 32 185	21 457 48	6 64 7 23	2 78 8 28	
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	718 259 44 126 289	1,176 851 77 85 163	286 229 14 N 43	389 199 9 N 181	26 — 1 8 17	35 1 12 8 14	1,733 476 389 260 608	2,003 444 576 372 611	516 138 200 140 38	622 286 182 101 53	
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	1,663 663 146 190 112 552	1,652 217 40 328 60 1,007	54 25 4 15 10	29 9 4 9 5 2	11 8 1 2	17 6 4 6 1	1,594 509 147 274 357 307	2,172 504 205 720 381 362	317 36 33 55 126 67	455 79 93 173 53 57	
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans	1,190 337 338 223 48 1 113 130	365 72 45 195 16 11 5 21	180 37 36 31 6 27 	308 25 36 13 35 63 67 69	62 1 58 2 1	48 	1,003 254 142 330 11 63 73 130	1,021 246 212 275 18 45 64 161	544 31 42 393 2 16 30 30	179 24 37 76 2 6 7 27	
S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla.	534 13 96 4 91 28 41 161 16 84	311 	804 — 141 	1,204 9 143 228 32 337 79 171 205	211 1 22 	205 3 15 7 1 110 22 39 8	3,563 27 280 20 364 59 580 161 521 1.551	3,416 25 277 18 357 68 388 274 649 1.360	860 4 30 8 43 — 88 35 219 433	1,440 3 52 21 54 137 268 340 565	
E.S. CENTRAL Ky. Tenn. Ala. Miss.	239 65 115 40 19	72 11 39 12 10	69 7 21 41	70 12 23 28 7	56 	60 33 15 12	793 142 280 255 116	965 145 267 257 296	692 114 379 160 39	346 36 160 120 30	
W.S. CENTRAL Ark. La. Okla. Tex.	235 132 19 — 84	290 20 10 17 243	469 19 53 397	632 27 — 72 533	20 12 3 5 —	57 26 3 27 1	953 291 279 154 229	1,610 205 317 143 945	862 30 54 382 396	1,709 28 182 255 1,244	
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev.	2,047 384 66 19 718 62 566 205 27	534 14 18 3 272 75 107 35 10	105 — 12 9 — 81 	60 8 7 2 43 	22 1 1 2 	7 2 1 1 1 1 1	888 38 53 21 225 62 287 132 70	970 64 70 22 239 105 289 101 80	286 5 2 43 31 161 19 25	366 4 6 1 60 67 189 18 21	
PACIFIC Wash. Oreg. Calif. Alaska Hawaii	1,125 266 348 431 22 58	830 269 240 301 10 10	66 63 	98 2 85 11 	5 - 5 -	3 2 1 	2,072 196 143 1,577 24 132	2,362 192 199 1,756 31 184	740 36 34 650 6 14	734 53 34 618 5 24	
Guam P.R. V.I.	1 				N	N	86 —	44 169 —	1 	34 12 —	
Amer. Samoa C.N.M.I.	U 	U U	U 	U U	U 	U U	U 	U U	U 	U U	

 TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004

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MMWR

(Strepto	coccus pneum	oniae, invasiv						
	Streptococcal disease,		Drug res	sistant,			Diana A	Syp	nilis		
	Invasive,	group A	all a	ges	Age <5	o years	Primary &	secondary	Cum	enital	
Reporting area	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	
UNITED STATES	2,445	2,793	1,344	1,343	469	457	3,615	3,795	114	202	
NEW ENGLAND	95	198	15	80	49	67	110	102	_	_	
Maine	5	6	N	N		2	1	2	_	_	
N.H. Vt	8	15		6	3	IN 1	6	3	_	_	
Mass.	66	90	_	22	43	39	80	60	_	_	
R.I.	7	17	6	7	—	5	2	15	—	—	
Conn.	—	62	U	45	U	20	21	22	—	—	
MID. ATLANTIC	569	492	135	103	92	67	477	491	10	22	
Upstate N.Y.	183	159	52	46	43	45	35	42	4	1	
N.Y. City N.I	98 116	76 107	UN	UN	17	5	310	294	5	9 11	
Pa.	172	150	83	57	18	17	69	68	_	1	
EN CENTRAL	471	646	358	311	122	113	336	452	19	27	
Ohio	124	156	233	225	53	55	108	121	2	1	
Ind.	52	70	118	86	31	22	34	30	1	1	
III.	100	178	7		34	1	148	177	5	3	
Mich. Wie	187	188	N	N		N 35	36	104	9	22	
	0	107	11	10	-4	55	101	20	2	_	
W.N. CENTRAL Minn	160	197	32	13	51	50	121	94	1	3	
lowa	N	N	N	N	29	N	1	4	_	_	
Mo.	47	42	27	10	5	8	75	53	1	1	
N. Dak.	2	9	_	_	1	2	—	_	—	—	
S. Dak.	16	8	3	3						_	
Kans.	23	28	N	N	10	4	12	16	_	1	
	502	548	549	689	55	32	024	920	24	36	
Del.	502	3	1	4		N	6	3	<u> </u>	1	
Md.	124	84	—	—	36	20	171	173	8	5	
D.C.	6	5	14	5	2	4	60	30	_	1	
va. W Va	44	42	IN 73	IN 75	17	IN 8	50	49	3		
N.C.	79	82	N N	N N	Ű	Ŭ	119	81	7	4	
S.C.	11	46	—	77		N	30	63	1	9	
Ga.	86	138	109	165	—	N	121	157	_	2	
Fla.	140	132	352	363	_	IN	365	361	5	13	
E.S. CENTRAL	110	143	118	90	5	9	209	206	13	9	
Ky. Tenn	23	45 98	21	20	IN	N N	92	24	9	1	
Ala.					_	Ň	82	88	3	5	
Miss.	—	—	_	2	5	9	18	23	1	2	
W.S. CENTRAL	99	210	89	42	56	91	603	591	29	41	
Ark.	10	8	12	6	13	7	28	23	_	3	
La. Okto	6	2	77	36	18	21	123	136	3	3	
Tex.	14	158	N	N	9	36	431	415	25	33	
ΜΟΙΙΝΤΑΙΝ	386	311	48	1/	33	28	18/	108	14	27	
Mont.			40				5	130			
Idaho	1	5	Ν	N	_	Ν	18	13	1	2	
Wyo.	2	6	20	5				1	—	—	
COIO. N. Mey	144	61	N	N	32	28	20	37	1		
Ariz.	167	146	N	N	_	N	69	80	12	23	
Utah	48	24	27	7	1	_	4	3		_	
Nev.	1	1	1	2	_	_	45	11	—	—	
PACIFIC	53	48	_	1	6	_	651	741	4	37	
Wash.	N	N	N	N	N	N	64	52	_	—	
Oreg. Calif	N	N	N	N	5	N	16 565	18			
Alaska	_	_	IN	IN	IN	N	4		4		
Hawaii	53	48	—	1	1	_	2	3	_	_	
Guam	_	_	_	_	_	_	_	1	_	_	
P.R.	Ν	N	Ν	Ν	_	N	102	72	6	3	
V.I.								4			
Amer. Samoa C N M I	<u> </u>	U	<u> </u>	U	<u> </u>	U	<u> </u>	U	<u> </u>	U	

 TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004

 (26th Week)*

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					Var	icella	West Nile virus disease [†]				
	Tube	rculosis	Typho	id fever	(chicl	kenpox)	Neuroi	nvasive	Non-neuroinvasive [§]		
Reporting area	ng area 2005 2004 20		Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005	Cum. 2004	Cum. 2005		
UNITED STATES	4,599	6,293	98	135	13,037	12,514	6	159	6		
NEW ENGLAND	152	206	11	14	935	1,806	_	_	_		
Maine	8	11	1	—	206	177	—	—	—		
N.H. Vt	4		_	_	159	403	_	_	_		
Mass.	103	118	7	12	538	49	_	—	—		
R.I. Conn	14 23	25 45	3	1		1 177	_	_	_		
	967	960	26	35	2 861	59	_	з	_		
Upstate N.Y.	121	119	5	2			_	_	_		
N.Y. City	500	493	6	13	—	_	—	2	_		
Pa.	125	144	7	9	2,861	59	_	1	_		
E.N. CENTRAL	617	552	5	15	3,845	3,952	1	1	_		
Ohio	129	98	—	3	867	995		—	—		
Ina. III.	283	68 244	1	7	24	N 1		_	_		
Mich.	103	104	2	4	2,579	2,478	—	1	_		
WIS.	38	38	2	1	255	478	_	_	_		
W.N. CENTRAL Minn.	213 88	227 82	2	3	205	129	2	4	3		
Iowa	17	19	_		Ν	N		2	—		
Mo. N Dak	59 2	65 3	_	1	131 10	2 72	1	1	_		
S. Dak.	6	5	_	_	64	55	1	_	3		
Nebr. Kans	13 28	16 37	_	_	_	_	_	1	N		
S ATLANTIC	1 018	1 280	13	16	1 049	1 474	_	4	_		
Del.	2	13			10	4	_		_		
Md.	119	122	3	5			_	_	_		
Va.	130	102	3	3	209	343	_	_	_		
W.Va.	12	12			635	826 N	_	_	N		
S.C.	100	104		_	177	283	_	_	_		
Ga.	151	320	2	2	—	_	—		—		
	051	471	1	5	_	_	_	4	—		
Ky.	52	203 51	1	2	N	N	_	-	_		
Tenn.	106	100	—	4	—	_	—		—		
Miss.	93	33	_	_	_	_	_	1	_		
W.S. CENTRAL	429	1,042	3	10	2,505	3,599	1	5	_		
Ark.	49	63	—	—	101	40	—	1	—		
Okla.	70	79	_	_	-	40	_	_	_		
Tex.	310	900	3	10	2,404	3,553	1	4	—		
MOUNTAIN	158	261	3	6	1,637	1,495	1	118	2		
Idaho		-	_	_	_	_	_	_	_		
Wyo.		1	—		43	22	—		—		
N. Mex.	8	19	_	_	97	U	1	4	1		
Ariz.	104	106	1	2			—	113	1		
Nev.	- 13	20 45	1	2	329	295	_	1	_		
PACIFIC	794	1,482	34	30	_	_	1	21	1		
Wash.	109	116	2	2	Ν	N	—	—	—		
Calif.	564	4 I 1,257	24	22	_	_	1	21	1		
Alaska	14	15	_		—	—	—	_	_		
nawali	56	53	6	6	_		_	_	_		
Buam P.R.	_	36 49	_	_	106	85 247	_	_	_		
V.I.									—		
C.N.M.I.		U		U		U		U			

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending July 2, 2005, and July 3, 2004 (26th Week)*

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Incidence data for reporting years 2004 and 2005 are provisional and cumulative (year-to-date). [†] Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Infectious Diseases (ArboNet Surveillance). [§] Not previously notifiable.

TABLE III. Deaths in 122 U.S. cities,* week ending July 2, 2005 (26th Week)

	All causes, by age (years)							All causes, by age (ye						ears)		
Reporting Area	All Ages	<u>≥</u> 65	45-64	25–44	1–24	<1	P&l⁺ Total	Reporting Area	All Ages	<u>≥</u> 65	45-64	25–44	1–24	<1	P&I [†] Total	
NEW ENGLAND	519	352	108	34	12	13	38	S. ATLANTIC	1,089	662	275	98	24	29	56	
Boston, Mass.	128	80	35	6	4	3	5	Atlanta, Ga.	132	79	39	7	2	5	1	
Bridgeport, Conn.	32	19	6	5	2		6	Baltimore, Md.	113	65	29	12	4	3	9	
Fall Divor Mass.	10	11	C A	1	_	_	3	Lacksonville, N.C.	145	03	∠ I ∕12	10	- 1	3	9	
Hartford Conn	63	42	13	5	1	2	5	Miami Fla	94	59	20	10	3	2	5	
Lowell, Mass.	25	19	5	1		_	_	Norfolk, Va.	44	28	5	4	3	4	3	
Lynn, Mass.	15	8	3	4	_		3	Richmond, Va.	50	27	16	3	1	3	5	
New Bedford, Mass.	37	29	7	_	_	1	6	Savannah, Ga.	67	37	24	2	3	1	1	
New Haven, Conn.	U	U	U	U	U	U	U	St. Petersburg, Fla.	64	43	15	5	—	1	3	
Providence, R.I.	59	36	14	3	3	3	_	Tampa, Fla.	153	107	29	12	3	2	12	
Somerville, Mass.	4	2	1	1	_	_	_	Washington, D.C.	99	55	26	12	4	1	3	
Springfield, Mass.	35	26	0	3	_	-	I	vviimington, Dei.	26	16	8	2	_	_	2	
Worcester Mass	20 53	36	8	4	2	3	7	E.S. CENTRAL	830	555	194	42	20	19	58	
					-	~-	,	Birmingham, Ala.	153	109	27	8	4	5	18	
MID. AI LANTIC	1,937	1,312	426	121	39	35	103	Chattanooga, Ienn.	81	56	20	3	1	1	6	
Albany, N.Y.	47	29	15	1	_	2	3	Knoxville, Tenn.	98	53	30	/	5	3	4	
Ruffalo N Y	68	20	21	4	4	_	2	Memphis Tenn	117	68	36	8	1	4	5	
Camden, N.J.	14	9	2	2	_	1	_	Mobile, Ala.	121	70	42	5	2	2	5	
Elizabeth, N.J.	14	11	2	1	_	_	1	Montgomery, Ala.	56	46	8	1	1	_	4	
Erie, Pa.	36	22	9	4	1	_	1	Nashville, Tenn.	125	93	19	7	5	1	9	
Jersey City, N.J.	39	24	14	_	1	—	_	W.S. CENTRAL	1 440	895	369	96	43	37	67	
New York City, N.Y.	1,012	692	222	59	16	19	53	Austin. Tex.	87	59	21	4		3	6	
Newark, N.J.	60	25	17	10	4	4	_	Baton Rouge, La.	44	28	15		_	1	_	
Paterson, N.J.	13	164	3	12			14	Corpus Christi, Tex.	U	U	U	U	U	U	U	
Pittsburgh Pa §	239	104	49	13	_	- 5	2	Dallas, Tex.	187	110	51	9	6	11	4	
Reading Pa	21	13	6	1	1			El Paso, Tex.	79	59	14	2	4	_	3	
Rochester, N.Y.	126	85	29	10	1	1	15	Ft. Worth, Tex.	126	74	37	5	3	7	2	
Schenectady, N.Y.	25	19	5	1	_	_	1	Houston, lex.	345	203	83	38	13	8	20	
Scranton, Pa.	30	22	4	4	—	_	2	New Orleans La	68	40	19	5 7	2	1	2	
Syracuse, N.Y.	87	71	11	2	2	1	6	San Antonio Tex	249	156	66	14	10	3	20	
Trenton, N.J.	28	21	4	3			1	Shreveport, La.	72	47	20	2	1	2	4	
Utica, N.Y.	13	17	1	1	1	1	_	Tulsa, Okla.	116	77	28	10	1	_	5	
TOTIKETS, IN. T.	20	17	2	_		1	_	MOUNTAIN	923	578	213	73	30	28	62	
E.N. CENTRAL	1,903	1,260	427	126	47	42	98	Albuquerque, N.M.	118	75	25	13	3	2	10	
Akron, Ohio	46	31	10	1	1	3	5	Boise, Idaho	42	27	14	_	_	1	1	
Canton, Onio	245	28	5	20			17	Colo. Springs, Colo.	57	43	8	1	4	1	4	
Cincinnati Ohio	245	51	20	20	4		7	Denver, Colo.	101	56	27	13	_	5	6	
Cleveland, Ohio	220	153	48	12	5	2	3	Las Vegas, Nev.	282	174	69	25	8	6	15	
Columbus, Ohio	175	108	43	16	4	4	9	Digden, Utan	170	11	6	3			2	
Dayton, Ohio	115	82	23	8	1	1	5	Prioenix, Ariz.	173	93	41	10	2		5	
Detroit, Mich.	172	87	59	16	8	2	2	Salt Lake City, Utah	94	70	18	2	2	2	8	
Evansville, Ind.	58	44	10	1	3		1	Tucson, Ariz.	U	U	U	U	U	U	U	
Convind	20	40	12	3	1	1	5 1	PACIEIC	1 662	1 1 2 6	270	07	41	01	122	
Grand Banids Mich	82	57	15	4	2	4	9	Berkeley Calif	1,003	1,120	2	57	41	21	100	
Indianapolis. Ind.	193	120	40	16	7	10	10	Fresno. Calif.	93	62	22	5	3	1	6	
Lansing, Mich.	45	33	10	2	_	_	3	Glendale, Calif.	18	17	1	_	_	_	2	
Milwaukee, Wis.	86	59	19	6	1	1	3	Honolulu, Hawaii	73	56	11	5	—	1	5	
Peoria, III.	35	22	9	3	1	_	4	Long Beach, Calif.	64	41	16	4	2	1	6	
Rockford, III.	57	39	13	1	3	1	4	Los Angeles, Calif.	328	218	76	20	12	2	46	
South Bend, Ind.	47	33	8	4		2		Pasadena, Calif.	1/	15	2	10	_	-	2	
Youngstown Ohio	84 52	12	14	3	2	∠ 1	3	Sacramonto Calif	101	107	12	10		1	0	
foungstown, Onio	52	43	0	2	_	1	0	San Diego, Calif	131	80	43	9	3	1	14	
W.N. CENTRAL	461	292	114	26	13	16	32	San Francisco, Calif.	125	82	32	11	_	_	11	
Des Moines, Iowa	37	22	8	6		1	3	San Jose, Calif.	173	116	41	6	3	7	12	
Duluth, Minn.	U	U	U	U	U 1	U	U 1	Santa Cruz, Calif.	37	30	6	_	1	_	2	
Kansas City Mo	100	10	/ 01	5	1		10	Seattle, Wash.	128	76	32	10	5	5	5	
Lincoln. Nehr	40	28	21	2	2	-	3	Spokane, Wash.	63	40	19	3	1		10	
Minneapolis. Minn	Ŭ	 U	ŭ	Ū	Ū	U	ŭ	Tacoma, Wash.	90	69	15	2	3	1	5	
Omaha, Nebr.	81	52	24	1	2	2	6	TOTAL	10,765 [¶]	7,032	2,504	713	269	240	647	
St. Louis, Mo.	73	45	19	2	1	6	7									
St. Paul, Minn.	U	U	U	U	U	U	U									
Wichita Kans	101	63	27	5	3	3	2	1								

U: Unavailable. —: No reported cases. * Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its 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.

¹ Total includes unknown ages.

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