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Weekly

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# World AIDS Day – December 1, 2008

December 1 is World AIDS Day. Begun in 1998, World AIDS Day draws attention to the current status of the human immunodeficiency virus/acquired immunodeficiency syndrome (HIV/AIDS) pandemic. According to the Joint United Nations Programme on HIV/AIDS, in 2007, approximately 33 million persons worldwide were living with HIV, 2.7 million were newly infected, and 2 million died from AIDS-related causes (1).

In 2006, an estimated 1.1 million persons in the United States were living with HIV (2), and 56,300 were newly infected (3). HIV infection in the United States disproportionately affects blacks, Hispanics, and men (of all races/ethnicities) who have sex with men (2–4). During 2006, the rates of new infections in the United States were estimated to be 83.8 per 100,000 population among blacks, 29.4 per 100,000 among Hispanics, and 11.5 per 100,000 among whites (3).

Information about World AIDS Day is available at http://www.cdc.gov/features/worldaidsday. Information about CDC's international HIV/AIDS program is available at http://www.cdc.gov/globalaids. Information about CDC's domestic HIV/AIDS program is available at http:// www.cdc.gov/hiv.

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## Progress Toward Strengthening Blood Transfusion Services – 14 Countries, 2003–2007

Nearly all persons transfused with human immunodeficiency virus (HIV)-infected blood become infected (1-3), and blood transfusions are a substantial source of HIV transmission in sub-Saharan Africa, especially among women and children (4,5). Since 2004, the U.S. President's Emergency Plan for AIDS Relief (PEPFAR) has provided technical and financial support to strengthen national blood transfusion services in 14 countries in Africa and the Caribbean with high prevalence of HIV infection.\* PEPFAR has supported efforts to improve blood supply adequacy and safety by providing policy guidance, strengthening laboratory infrastructure, and enhancing blood donor recruitment and retention practices. To assess the progress made by these countries with PEPFAR support, CDC analyzed data collected by national blood transfusion services in the 14 countries during 2003-2007. This report summarizes the results of that analysis, which found that 1) national policies had been established in 12 of the 14 countries; 2) the number of whole blood units collected had increased in all 14 countries; 3) the percentage of collections from voluntary, non-remunerated donors<sup>†</sup> had increased; and 4) the percentage

### INSIDE

- 1277 Multistate Outbreak of *Salmonella* Infections Associated with Frozen Pot Pies — United States, 2007
- 1281 Notice to Readers
- 1282 QuickStats

<sup>\*</sup>Botswana, Côte d'Ivoire, Ethiopia, Guyana, Haiti, Kenya, Mozambique, Namibia, Nigeria, Rwanda, South Africa, Tanzania, Uganda, and Zambia. PEPFAR has directly funded national blood transfusion services in all 14 countries though CDC cooperative agreements.

<sup>&</sup>lt;sup>†</sup> Persons who donate blood solely for altruistic reasons and who receive no compensation. Designation of voluntary, non-remunerated status was determined by blood center staff members based on national blood policy.

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of collected blood units reactive for HIV had decreased in 13 of the 14 countries. Since the start of the PEPFAR initiative, progress toward improving safe and adequate supplies of blood has been made in the 14 countries with high prevalence of HIV infection.

## **Global Blood Safety**

Globally, approximately 80 million units of blood are donated each year (6). Of this total, 2 million units are donated in sub-Saharan Africa, where the need for blood transfusions is great because of maternal morbidity, malnutrition, and a heavy burden of infectious diseases such as malaria. In 2004, blood collections in most of the 14 PEPFAR-supported countries did not satisfy clinical demand. Inadequacy of the blood supply in many African countries was compounded by inconsistent laboratory screening for HIV infection and collection of blood from donors at greater risk for HIV infection (6). Collections often were coordinated by hospital-based services that frequently relied on paid donors or replacement donors (e.g., family members of patients) who typically were at greater risk for HIV infection and, because of external pressures to donate, might not have revealed their behavioral risks for HIV during donor selection (4,7,8). HIV screening of donor blood in nonstandardized laboratories without quality assurance further increased the risk for transfusion-associated HIV transmission (4).

In resource-limited settings, blood is collected most commonly in whole blood units. The World Health Organization (WHO) estimates that resource-limited countries should begin to fulfill baseline clinical demand if 10-20 whole blood units per 1,000 population are collected each year (9). To improve blood supply adequacy and transfusion safety, WHO has recommended that resource-limited countries adopt comprehensive national policies for national blood transfusion services<sup>§</sup> (5).

## **PEPFAR** Indicators

In 2006, a team of international blood safety experts developed a set of indicators to support routine monitoring and evaluation of PEPFAR projects. Indicator data related to blood supply adequacy and safety are compiled by staff members at regional centers where blood is collected, screened, and distributed. Collectively, these regional centers make up each national blood transfusion service. On a regular basis, data are

<sup>&</sup>lt;sup>§</sup> Key elements of WHO recommendations are 1) establishment of a nationally coordinated blood transfusion service empowered by a legislative framework; 2) collection of blood exclusively from voluntary, non-remunerated donors; 3) implementation of universal, quality-assured HIV screening of donor blood; and 4) reduction of unnecessary blood transfusions.

transferred to national blood transfusion service headquarters; these data are aggregated quarterly and shared with CDC, which uses them for ongoing programmatic evaluation.

In 2008, national blood services in the 14 countries transferred data for the period 2003-2007<sup>¶</sup> to CDC, where the data were analyzed by country and by year. The four indicators analyzed for this report address key elements in the WHO recommendations: 1) status of national policies and legislative frameworks for national blood transfusion services; 2) percentage of blood collections from voluntary, non-remunerated donors; 3) number of whole blood units collected and number collected per 1,000 population\*\*; and 4) percentage of blood collections reactive for HIV.

In 2003, national policies to ensure the adequacy and safety of the blood supply were in place in six of the 14 countries, and national blood transfusion services were operating under a legislative framework in four of the 14 countries. By 2007, national policies had been established in six more countries and were in development in the two remaining countries; legislative frameworks to support the national policies had been enacted in one additional country and were in development in six other countries (Table 1). During 2003–2007, national blood transfusion services in all 14 countries had increased total collections of whole blood units and, in 11 countries, had increased collection rates per 1,000 population. In 2003, collections in South Africa were already within the WHOrecommended range of 10-20 whole blood units per 1,000 population. By 2007, the collection rate in Botswana also was within that range (Table 1).

In 2003, in five of the 14 countries, 100% of blood collections by national blood transfusion services were from voluntary, non-remunerated donors. By 2007, the number of countries meeting this criterion had increased to six. In addition, by 2007, the percentage of collections from such donors had increased in six other countries (Table 2). In 13 of the 14 countries, the percentage of collected blood units that were HIV reactive in 2007 had decreased from the first year of reporting (Table 2).

### Reported by: J Pitman, MPH, L Marum, MD, Global AIDS Program; S Basavaraju, MD, A McIntyre, PhD, EIS officers, CDC.

Editorial Note: This report marks the first analysis of PEPFAR indicators to assess progress in blood supply adequacy and blood transfusion safety in the 14 resource-limited countries targeted by PEPFAR. By providing legislative authority to national blood transfusion services, governments have taken action to improve blood supply adequacy, avert transfusiontransmitted HIV infections, and sustain blood safety programs. Increases in the number of whole blood units collected by national blood transfusion services in all 14 countries indicate improved adequacy of blood supplies. Increasing the amount of blood supplied to health-care facilities also reduces the need for hospitals to collect from replacement donors, which reduces the risk for HIV transmission (8).

In addition to implementing universal HIV screening of donated blood units, the risk for HIV transmission can be decreased further by restricting blood donations to volunteer, non-remunerated donors. Human error can occur during screening, laboratory false negatives for HIV can occur, and transmission from the donor can occur during the window period (i.e., the interval after infection during which an HIV test might be nonreactive because neither the p24 antigen nor antibodies are at detectable levels) (4). In certain countries, a decrease in the percentage of the population with HIV infection might have contributed to a decrease in the percentage of collected blood units reactive for HIV. However, the continued decrease in HIV reactivity among collected blood units in countries with high prevalence of HIV infection suggests that an improved process for selecting donors is in place. Since 2004, PEPFAR technical assistance has included training of blood donor recruiters and development of standardized behavioral risk questionnaires with more stringent criteria for excluding donors. These measures might have contributed to reductions in the percentage of collected blood units reactive for HIV even in countries where 100% of blood collections are from voluntary, non-remunerated donors. To improve safety further, national blood transfusion services are working to retain voluntary, non-remunerated donors through comprehensive behavioral and educational HIV prevention programs that encourage healthy lifestyles. One example is Club 25, in which participants pledge to donate blood 20 times by age 25 years or to make 25 lifetime donations.<sup>††</sup>

The findings in this report are subject to at least two limitations. First, totals of whole blood unit collections did not include blood units collected outside of national blood transfusion service networks. These outside collections are not quantifiable; as a result, national estimates of blood unit collections per 1,000 population likely are underestimated. Second, national blood services have different algorithms for screening donor blood, which include combined p24 antigen and HIV antibody assays and, in certain countries, nucleic acid testing. Although these assays have comparable sensitivities and specificities, they differ in window periods before detection

<sup>&</sup>lt;sup>9</sup> Nigeria and Tanzania established their national blood transfusion services in 2004; the first year with 12 complete months of data available was 2005. In Ethiopia, data were available on blood collections and voluntary, non-remunerated donors beginning in 2003 and on HIV reactivity beginning in 2004.

<sup>\*\*</sup> Based on United Nations Population Division census estimates for 2003–2007.

		stablished ional policy		ted legislative ramework	N	o. of whol	e blood ui	nits collec	ted	No. of		lood uni 0 popula	ts collec ation <sup>†</sup>	ted per
Country	2003	2007	2003	2007	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
Botswana	Yes	Yes	No	No	11,583	13,210	20,643	21,061	22,230	6.4	7.3	11.2	11.2	11.6
Côte d'Ivoire	Yes	Yes	Yes	Yes	67,780	77,972	86,321	86,082	92,009	3.8	4.3	4.6	4.5	4.8
Ethiopia§	No	Yes	No	No	17,208	17,941	19,203	21,019	22,220	0.2	0.2	0.2	0.3	0.3
Guyana	Yes	Yes	No	In development	4,008	4,896	4,531	5,192	5,475	5.4	6.6	6.1	7.1	7.5
Haiti	No	Yes	No	In development	8,711	9,513	10,823	13,622	17,094	1.0	1.0	1.2	1.4	1.8
Kenya	Yes	Yes	Yes	Yes	40,857	47,661	80,762	113,080	123,787	1.2	1.4	2.3	3.1	3.3
Mozambique	No	In development	No	In development	67,105	69,648	76,667	72,170	79,925	3.4	3.5	3.8	3.5	3.8
Namibia	No	Yes	No	In development	17,860	19,154	19,133	18,422	18,309	9.1	9.6	9.5	9.0	8.9
Nigeria <sup>¶</sup>	No	Yes	No	Yes	_	_	1,266	5,519	16,987	_	_	<0.1	<0.1	0.1
Rwanda	No	Yes	No	No	30,786	28,777	37,893	38,539	32,543	3.5	3.2	4.1	4.1	3.3
South Africa**	Yes	Yes	Yes	Yes	809,322	813,239	805,923	822,950	821,258	17.3	17.2	16.9	17.2	17.0
Tanzania <sup>¶</sup>	No	Yes	No	In development	_	_	12,597	63,411	109,471	_	_	0.3	1.6	2.7
Uganda	Yes	Yes	Yes	Yes	102,703	106,996	115,988	122,442	133,585	3.8	3.8	4.0	4.1	4.3
Zambia	No	In development	No	In development	40,616	38,477	61,982	54,308	68,056	3.7	3.4	5.4	4.6	5.7

TABLE 1. Status of national blood transfusion policies and legislative frameworks,\* number of whole blood units collected, and number collected per 1,000 population — U.S. President's Emergency Plan for AIDS Relief, 14 countries, 2003–2007

\* As described in: World Health Organization. Aide-memoire for national blood programmes. Geneva, Switzerland: World Health Organization; 2002. Available at http://www.who. int/bloodsafety/transfusion\_services/en/Blood\_Safety\_Eng.pdf.

<sup>+</sup> Based on United Nations Population Division census estimates for 2003–2007.

§ Ethiopia Red Cross Society is the designated national blood transfusion service.

<sup>1</sup>Nigeria and Tanzania established their national blood transfusion services in 2004. The first year with 12 complete months of data available was 2005.

\*\* Includes data from South Africa National Blood Service and Western Province Blood Service.

TABLE 2: Estimated percentage of persons aged 15–49 years with human immunodeficiency virus (HIV) infection, percentage of blood collections reactive for HIV, and percentage of collections from voluntary, non-remunerated donors — U.S. President's Emergency Plan for AIDS Relief, 14 countries, 2003–2007

		sons with fection*	% 0	f blood co	llections re	eactive for	HIV	% of blo		ions receiv nunerated	ved from v donors	oluntary,
Country	2001	2007	2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
Botswana	26.5	23.9	7.5	5.7	4.0	2.7	2.1	100	100	100	100	100
Côte d'Ivoire	6.0	3.9	1.6	1.4	1.5	1.4	1.2	100	100	100	100	100
Ethiopia <sup>†</sup>	2.4	2.1	_	3.6	3.4	2.5	3.0	38.8	27.5	23.2	28.1	28.4
Guyana	2.5	2.5	0.8	0.6	1.0	0.6	0.3	21.7	18.9	26.1	31.2	61.1
Haiti	2.2	2.2	1.7	1.8	1.6	1.9	1.4	5.2	5.4	14.9	27.4	51.9
Kenya	8.1	7.8 <sup>§</sup>	1.5	1.7	1.9	2.5	1.2	99.0	95.3	97.6	98.9	99.5
Mozambique	10.3	12.5	8.6	6.9	6.4	8.3	7.2	58.0	58.3	59.6	52.0	72.3
Namibia	14.6	15.3	0.7	0.6	0.6	0.5	0.6	100	100	100	100	100
Nigeria <sup>¶</sup>	3.2	3.1	_	_	3.8	3.5	2.5		_	100	100	92.3
Rwanda	4.3	2.8	1.1	0.1	1.2	0.9	0.5	100	100	100	100	100
South Africa**	16.9	18.1	<0.1	<0.1	<0.1	<0.1	0.1	100	100	100	100	100
Tanzania¶	7.0	6.2	_	_	4.8	3.2	2.8	_	_	66.5	80.0	89.2
Uganda	7.9	5.4	2.0	1.9	1.6	1.5	1.3	95.5	96.3	99.0	99.9	100
Zambia	15.4	15.2	6.9	6.4	9.0	6.4	3.8	72.7	71.2	90.6	97.9	99.6

\* Estimates from the Joint United Nations Programme on HIV/AIDS (UNAIDS), available at http://data.unaids.org/pub/globalreport/2008/jc1510\_2008\_ global\_report\_pp211\_234\_en.pdf. Because UNAIDS methodology used to estimate 2003 prevalence was different from the methodology used for 2007, data are presented for 2001, the most recent pre-program year for which the same methodology was used as for 2007.

<sup>†</sup> Ethiopia Red Cross Society is the designated national blood transfusion service.

§ Preliminary estimate.

<sup>1</sup> Nigeria and Tanzania established their national blood transfusion services in 2004. The first year with 12 complete months of data available was 2005.

\*\* Includes data from South Africa National Blood Service and Western Province Blood Service. Autologous donations and collections from designated donors are reported as donations from voluntary, non-remunerated donors.

of recent HIV infection (*10*). Screening assays with shorter window periods might identify more reactive units, resulting in higher percentages of HIV reactivity; however, the differences in window periods are relatively small and likely to produce only minimal effects on the results of this analysis.

PEPFAR has supported efforts to address the WHO recommendations for national blood transfusion services, including facilitation of technical meetings, publication of countryspecific blood safety program policies and guidelines, and collaborations with ministries of health to enact appropriate legislation. National blood transfusion services and donor recruitment organizations have worked together to increase collections of blood from voluntary, non-remunerated donors. Other efforts have focused on supplying laboratory equipment and providing training to standardize quality-assured HIV screening. National blood transfusion services now screen donor blood using combined p24 antigen and HIV antibody assays; Namibia and South Africa also screen using nucleic acid testing.

Substantial progress has occurred toward improving blood transfusion services in the 14 PEPFAR-supported countries with high prevalence of HIV infection. With reauthorization of PEPFAR by Congress in July 2008, national blood transfusion services in the supported countries will continue to work toward improving the adequacy and safety of blood supplies.

### Acknowledgments

This report is based on contributions by national blood transfusion services in 14 PEPFAR-supported countries and their respective CDC Global AIDS Program country offices and PEPFAR-funded technical assistance partners.

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# Multistate Outbreak of Salmonella Infections Associated with Frozen Pot Pies – United States, 2007

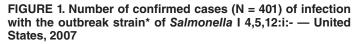
On June 6, 2007, a cluster of four human Salmonella serotype I 4,5,12:i:-\* infections sharing a pulsed-field gel electrophoresis (PFGE) pattern was identified by the Pennsylvania Department of Health and reported to PulseNet.<sup>†</sup> Initial investigations conducted during June-September 2007 by state and local health departments in collaboration with CDC did not identify a source of infection. This report summarizes the results of subsequent investigations of the outbreak, which determined that 401 cases of salmonellosis occurred in 41 states during 2007, with 32% of ill persons hospitalized. A multistate casecontrol study conducted during October 3-13 indicated that illness was associated with consumption of Banquet<sup>®</sup> brand frozen, not-ready-to-eat pot pies (odds ratio = 23.6; p<0.001). Further investigation determined that 77% of patients who ate these pies cooked them in microwave ovens and that consumer confusion regarding microwaving instructions might have resulted in a failure to cook the product properly. A voluntary recall was issued by the manufacturer (ConAgra Foods Inc., Omaha, Nebraska) on October 11, 2007, for all nine brands of pot pies produced at the implicated plant (plant A). The outbreak strain was isolated from 13 samples of unopened Banquet pot pies collected from the homes of patients. This outbreak highlights the need to cook not-ready-to-eat frozen foods thoroughly; these products should be clearly labeled as requiring complete cooking, and cooking instructions should be validated to account for variability in microwave wattage and common misconceptions among consumers regarding the nature of not-ready-to-eat foods.

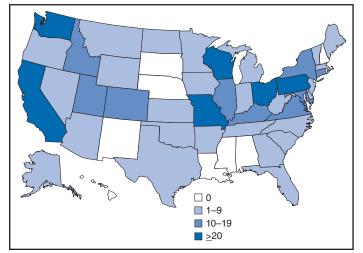
## **Epidemiologic Investigation**

An outbreak case was defined as infection with a *Salmonella* strain with the specific outbreak PFGE pattern and illness onset during January 1–December 31, 2007. During this period, a total of 401 outbreak cases from 41 states were identified (Figure 1). The median age of patients was 20 years (range: 1 month–97 years); 50% of the patients were female. Date of illness onset, known for 336 patients, ranged from February 20 to December 11, 2007, with a peak in September. Of patients with available information, 144 (50%) of 289 had bloody diarrhea, and 108 (32%) of 338 were hospitalized.

<sup>\*</sup> These four isolates were originally reported as serotype Typhimurium but later were determined to be serotype I 4,5,12:i:-.

<sup>&</sup>lt;sup>†</sup>PulseNet is the national molecular subtyping network for foodborne infections.





\* Defined by pulsed-field gel electrophoresis pattern.

## **Case-Control Study**

State and local health departments in collaboration with the CDC began the outbreak investigation on June 26, 2007. Interviews conducted over several months revealed frequent consumption of various chicken and egg food items. On October 3, 2007, a case-control study was initiated to ascertain the specific source of infections. Cases included Salmonella infections with the outbreak PFGE pattern in a resident of a participating state aged  $\geq 2$  years with no ill contacts and illness onset during August 1-October 3. Households with persons that could serve as age-group and neighborhood-matched controls were identified by an Internet-based reverse-address telephone directory. Investigators sequentially called telephone numbers until one to three persons with no diarrhea during the previous 2 weeks in the same age group as the case-patient were willing to serve as controls (or had caregivers willing to respond on their behalf). The exposure periods queried were 1 week before illness onset for case-patients and 1 week before interview for controls. As part of this study, epidemiologists from the Minnesota Department of Health (MDH) interviewed four case-patients who resided in Minnesota using the Minnesota standardized foodborne illness report form, a routine MDH practice. By October 4, the Minnesota epidemiologists reported that all four case-patients had consumed Banquet pot pies during the week before illness onset. After MDH notified CDC's OutbreakNet team of this finding, specific questions regarding pot pie consumption were included in the case-control study.

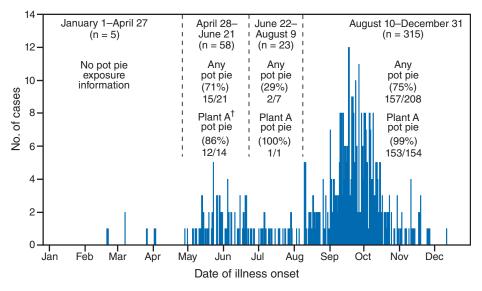
Of 48 eligible case-patients, 35 were enrolled. Six of these 35 were excluded because of exposure to other persons with diarrhea. Of the remaining 29, at least one matched control was enrolled for 17 case-patients. Data collected on the 17 matched sets were analyzed using exact conditional logistic regression (1). Measures of association between exposures and illness were calculated, using maximum likelihood estimates when available and median unbiased estimates when maximum likelihood estimates did not exist in the presence of complete data separation (2).

Case-patients were significantly more likely than controls to have eaten a Banquet pot pie (71% versus 0%, exact matched odds ratio [mOR] = 23.6 [median unbiased estimate], 95% confidence interval [CI] = 3.8–infinity). Banquet turkey pot pies were the only variety of Banquet pot pies associated with illness (29% exposure among case-patients versus 0% exposure among controls, mOR = 9.2 [median unbiased estimate], CI = 1.2–infinity). None of the remaining 67 exposures evaluated were associated with illness.

## Pot Pie Consumption by Case-Patients

After the case-control study was completed, attempts were made to interview as many of the total 401 case-patients as possible using standardized forms focused on frozen food exposures. Of 236 case-patients for whom pot pie exposure information was collected, 174 (74%) reported consuming a frozen not-ready-to-eat pot pie during the week before illness onset. Most of these patients could name the brand or brands of pot pie consumed: 155 (92%) ate Banquet, three (2%) ate Banquet or another brand produced on the same production line at plant A, eight (5%) reported eating either Banquet or a non-recalled brand (i.e., a brand not recalled by the manufacturer), and three (2%) ate a non-recalled brand. A similar frequency of plant A pot pie consumption was observed among case-patients with illness onsets during April 28-June 21 as for those with onsets during August 10-December 31; exposure information was limited for other periods (Figure 2).

Banquet pot pie microwave instructions might have been confusing because different parts of the package recommended different preparation times. Furthermore, instructions for microwaving time varied by wattage. Of 133 patients interviewed, 102 (77%) cooked pot pies in a microwave. Of 78 patients who used a home microwave, only 23 (29%) reported knowing the wattage. Of eight patients who used a microwave outside the home, one (13%) knew the wattage. Forty-eight (68%) of 71 who responded did not let pies stand the full recommended time after microwaving, and 16 (19%) of 84 cooked more than one pie simultaneously, indicating that many patients did not follow microwaving instructions. FIGURE 2. Number of confirmed cases (N = 401)\* of infection with the outbreak strain of *Salmonella* I 4,5,12:i:-, by date of illness onset and percentage of patients interviewed who reported frozen pot pie consumption during four selected periods — United States, 2007



\* Cases for which date of illness onset was reported (n = 336) or estimated as 3 days before the reported date of culture (n = 65).

<sup>+</sup> Includes pot pies reported as Banquet brand and/or another brand not produced in plant A.

## Voluntary Recalls and Environmental Investigations

On October 8, 2007, plant A suspended production of pot pies. On October 9, CDC and the U.S. Department of Agriculture's Food Safety and Inspection Service posted recommendations advising consumers not to eat pot pies with a production code ending in "P9," signifying a poultry-containing pie produced in plant A, the only plant that produces Banquet pot pies. On October 10, the advisories were expanded to include pies with production codes ending in "Est1059," signifying a beef-containing pot pie produced in plant A, because many patients could not report the exact meat in the pot pies consumed and some reported potentially having consumed Banquet beef pot pies. On October 11, ConAgra Foods issued a voluntary recall of all nine brands of pot pies produced in plant A. Before resuming production of these products, the manufacturer amended labeling and instructions.<sup>§</sup> The outbreak strain was isolated from 13 unopened Banquet pot pies collected from the homes of patients. All pies that tested positive contained turkey, and all had production dates of July 13 or 31, 2007. Two of these pies underwent separate testing of the crust and filling. The filling tested positive and the crust tested negative for both pies.

Plant A produces approximately 1 million pot pies daily. Banquet pot pies are distributed nationally and account for approximately 75% of the national value-priced pot pie market.<sup>¶</sup> Plant A also is the sole producer of identical pot pies packaged under various store brands.

**Reported by:** S Meyer, MPH, K Smith, DVM, Minnesota Dept of Health. I Azzam, MD, R Sowadsky, MSPH, Nevada State Dept of Health. IT Williams, PhD, O Henao, PhD, T Nguyen, MPH, J Austin, S Van Duyne, MS, Div of Foodborne, Bacterial, and Mycotic Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases; R Mody, MD, EIS Officer, CDC.

**Editorial Note:** In this outbreak, 401 cases of *Salmonella* I 4,5,12:i:- infection were reported. However, for every reported case of *Salmonella* infection, an estimated 38 additional cases are not detected or reported (*3*). Therefore, many more persons might have been ill as a result of this outbreak. Consumption of Banquet pot pies was associated with illness, and testing of Banquet turkey pot pies collected from patients' homes yielded the outbreak strain. Mass food distribution can lead to widely distributed outbreaks, underscoring the importance of coupling laboratory-based surveillance of foodborne infections at the molecular subtype level with interviewing of patients to detect, solve, and truncate outbreaks.

The initial evidence that Banquet pot pies were the outbreak vehicle was acquired by MDH through the routine practice of combining data from PFGE subtyping of all *Salmonella* isolates and rapid interviewing of all patients. At MDH, these interviews used detailed food exposure questions to obtain open-ended histories, brand names, and purchase locations. Cross-referencing exposures identified in initial interviews and using an iterative approach to reinterview patients about suspicious exposures led to rapid identification of the possible outbreak vehicle.

<sup>&</sup>lt;sup>§</sup>A label in large font on the front of the box that read "Ready in 4 Minutes" was changed to "Microwavable – Must be cooked thoroughly. See back for directions." On the back of the box, improvements to the microwave cooking instructions included statements 1) advising the consumer to cook only one pot pie at a time, 2) advising the consumer not to use less than a 1,100-watt microwave to cook the pot pies, and 3) indicating that internal temperature of the pies needs to reach 165°F (74°C) as measured by a food thermometer in several spots.

<sup>&</sup>lt;sup>9</sup>Value-priced frozen pot pies typically cost approximately \$0.50, whereas premium frozen pot pies typically cost approximately \$3.50.

Frozen, not-ready-to-eat microwavable meals have been reported previously as vehicles in salmonellosis outbreaks. Raw chicken nuggets and chicken strips were associated with *Salmonella* infections in a 1998 Australian outbreak and in Canadian studies of sporadic infections performed in 2003 (4-7). Stuffed chicken products were implicated in five outbreaks in Minnesota during 1998, 2005, 2006, and 2008 (MDH, unpublished data, 2008). Consumer confusion regarding the raw or cooked nature of these products was documented in these reports; products were not clearly labeled as containing raw poultry ingredients, and they were breaded and prebrowned, leading to the perception that they were precooked (*6*,*7*; MDH, unpublished data, 2008).

This outbreak differs from previously reported outbreaks with frozen, not-ready-to-eat food vehicles in that all meat ingredients were intended to be precooked before leaving plant A. However, the pot pies associated with this outbreak had a raw flour crust and were not-ready-to-eat, which allows consumers to prepare the food item to the level of doneness they prefer but also requires consumers to ensure that minimum cooking temperatures are reached to control microbiologic hazards. Furthermore, because raw frozen poultry pastes used to make the liquid portion of the chicken and turkey pie fillings enter plant A, pies might have contained undercooked poultry or been cross-contaminated from these raw poultry pastes, which often harbor *Salmonella*. Despite an intensive investigation of plant A and its ingredient suppliers, the source of contamination remains unknown.

This outbreak identified labeling concerns. Specifically, recommended microwave cooking times on the pot pie packaging were based on wattage categories, but most patients were unaware of their microwave wattage. Because of the small size of the case control study, the investigation could not determine whether microwaving pot pies rather than cooking them in a conventional oven was a risk factor for illness. Twenty-three percent of case-patients who ate a pot pie reported cooking the pies in conventional ovens, so improper microwave cooking could not account for the entire outbreak. However, given the observed limited knowledge about microwave wattage and the frequency of deviating from microwaving instructions, microwaving likely did lead to inadequate cooking. Inadequate microwave cooking was thought to be partly responsible for two previous outbreaks of *Salmonella* infections (8,9). Industry and regulators should consider examining the manufacturing processes for frozen not-ready-to-eat foods to determine the extent to which microwave cooking is safe for these products. Labeling and cooking instructions on not-ready-to-eat frozen foods should be clear to ensure that consumers are aware of health risks and to facilitate compliance with validated cooking methods. Clear and prominent listing of output wattage on microwave appliances might improve consumer adherence to manufacturer's cooking instructions. Consumers should follow cooking instructions specific for an oven's wattage.

#### **Acknowledgments**

This report is based, in part, on contributions by state and local health department officials; P White, DVM, Food Safety and Inspection Svc, US Dept of Agriculture; and M Hoekstra, PhD, and A Sheth, MD, Div of Foodborne, Bacterial, and Mycotic Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases, CDC.

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## Notice to Readers

## The Immunization Encounter: Critical Issues

CDC will present a webcast, The Immunization Encounter: Critical Issues, on December 18, 2008. The broadcast will occur during 12:00 noon–2:00 p.m. EST. The program will address issues related to the routine encounter at an immunization clinic. Topics include patient and parent communication and education, vaccine storage and handling, preparing for medical emergencies, screening for contraindications and precautions to vaccination, vaccine administration, records and documentation, the Vaccine Adverse Event Reporting System, and the Vaccine Injury Compensation Program. Continuing education credits will be offered.

Additional information about the program is available at http://www2a.cdc.gov/phtn/imm-encounter2008/default. asp. No registration is necessary to access the webcast via an Internet connection. The link to the webcast is available at http://www2a.cdc.gov/phtn/webcast/imm-encounter2008. The webcast will be accessible through an Internet connection until January 20, 2009, and will become available as a self-study DVD and Internet-based program in January 2009.

## Erratum: Vol. 57, No. 45

In the report, "Cigarette Smoking Among Adults — United States, 2007," an error occurred on page 1222. The last sentence of the second paragraph should read, "Among the estimated **90.7** million adults who had smoked at least 100 cigarettes during their lifetime (defined as ever smokers), 52.1% (47.3 million) were no longer smoking at the time of the interview."

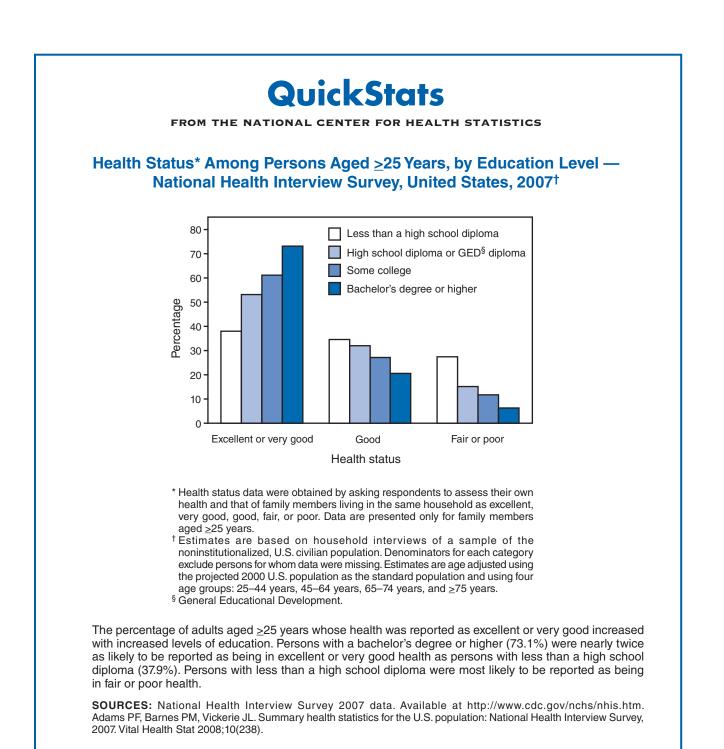


TABLE 1. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending November 22, 2008 (47th week)\*

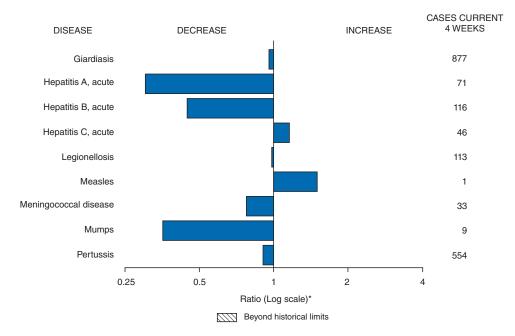
	Current	Cum	5-year weekly	repo	To orted fo	tal cas or prev		ears	
Disease	week	2008	average <sup>†</sup>	2007	2006	2005	2004	2003	States reporting cases during current week (No.)
Anthrax	_	_	_	1	1	_	_	_	
Botulism:									
foodborne	1	12	1	32	20	19	16	20	AK (1)
infant	2 1	81	2	85 27	97 48	85 31	87 30	76	PA (1), OH (1)
other (wound & unspecified) Brucellosis	1	18 81	1 2	131	121	120	114	33 104	CA (1) PA (1)
Chancroid	_	29	1	23	33	17	30	54	FA(1)
Cholera	_	2	0	7	9	8	6	2	
Cyclosporiasis§	_	118	1	93	137	543	160	75	
Diphtheria	_	_	_	_	_	_	_	1	
Domestic arboviral diseases <sup>§,¶</sup> :									
California serogroup	—	38	0	55	67	80	112	108	
eastern equine	_	2	0	4	8	21	6	14	
Powassan	_	1	0	7	1	1	1		
St. Louis	_	8	0	9	10	13	12	41	
western equine Ehrlichiosis/Anaplasmosis <sup>§,**</sup> :	_	_	_		_	_	_	_	
Ehrlichia chaffeensis	23	771	8	828	578	506	338	321	NY (1), MN (2), MO (1), FL (2), OK (17)
Ehrlichia ewingii	23	7	_	020	576	500	- 330	521	(1), (1), (1), (2), (1), (1), (2), (1), (1), (1)
Anaplasma phagocytophilum	26	396	11	834	646	786	537	362	NY (8), MN (17), OK (1)
undetermined		63	2	337	231	112	59	44	
Haemophilus influenzae, <sup>††</sup>									
invasive disease (age <5 yrs):									
serotype b	_	24	0	22	29	9	19	32	
nonserotype b	—	144	2	199	175	135	135	117	
unknown serotype	2	169	4	180	179	217	177	227	MO (1), FL (1)
Hansen disease§	1	66	2	101	66	87	105	95	FL (1)
Hantavirus pulmonary syndrome§	_	14	1	32	40	26	24	26	
Hemolytic uremic syndrome, postdiarrheal§	5	196	3	292	288	221	200	178	NY (1), OH (1), OK (1), CA (2)
Hepatitis C viral, acute HIV infection, pediatric (age <13 years) <sup>§§</sup>	23	735	17 4	849	766	652 380	436	1,102 504	NY (1), OH (17), IN (1), KY (1), TN (1), UT (1), CA (1)
Influenza-associated pediatric mortality <sup>§,</sup> <sup>¶¶</sup>	_	90	4	77	43	45	430	504 N	
Listeriosis	7	571	14	808	884	896	753	696	OH (1), FL (2), CA (4)
Measles***	_	132	0	43	55	66	37	56	0(.), . = (=), 0(.)
Meningococcal disease, invasive <sup>†††</sup> :									
A, Č, Y, & W-135	2	241	5	325	318	297	_	_	IN (1), CO (1)
serogroup B	1	136	3	167	193	156	—	—	MN (1)
other serogroup	—	30	1	35	32	27	_	—	
unknown serogroup	6	547	10	550	651	765			NY (1), PA (1), TN (1), CA (3)
Mumps	1	353	16		6,584	314	258	231	CA (1)
Novel influenza A virus infections	_	1	_	4	N	N	N	N	
Plague Paliamualitia, paralutia		1	0	7	17	8	3	1	
Poliomyelitis, paralytic Polio virus infection, nonparalytic <sup>§</sup>	_	_	_	_	N	1 N	N	N	
Psittacosis <sup>§</sup>	_	9	0	12	21	16	12	12	
Qfever <sup>§,§§§</sup> total:	1	104	2	171	169	136	70	71	
acute	1	93	_					_	FL (1)
chronic	_	11	_	_		_	_	_	
Rabies, human	_	_	0	1	3	2	7	2	
Rubella <sup>¶¶¶</sup>	2	16	—	12	11	11	10	7	CA (2)
Rubella, congenital syndrome	_	_	—	_	1	1	_	1	
SARS-CoV <sup>§,****</sup>	_	—	—	—	—	—	_	8	
Smallpox§									
Streptococcal toxic-shock syndrome <sup>§</sup>	2	115	1	132	125	129	132	161	NY (1), NC (1)
Syphilis, congenital (age <1 yr)	_	194	8	430	349	329	353	413	
Tetanus	-	12	1	28	41	27	34	20	CA(1)
Toxic-shock syndrome (staphylococcal) <sup>§</sup> Trichinellosis	1	58 5	1 0	92 5	101 15	90 16	95 5	133 6	CA (1)
Tularemia	1	91	2	137	95	154	134	129	NC (1)
Typhoid fever	2	359	4	434	353	324	322	356	GA (1), TX (1)
Vancomycin-intermediate Staphylococcus aureus§		29	0	37	6	2		N	NC (1), FL (1)
Vancomycin-resistant <i>Staphylococcus aureus</i> §	_	_	_	2	1	3	1	N	
Vibriosis (noncholera Vibrio species infections)§	6	405	4	447	Ν	Ν	Ν	Ν	MN (1), FL (2), CA (3)
Yellow fever	_	—	—	—	_	_	_	—	

See Table 1 footnotes on next page.

# TABLE 1. (Continued) Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending November 22, 2008 (47th week)\*

- -: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts.
- \* Incidence data for reporting year 2008 are provisional, whereas data for 2003, 2004, 2005, 2006, and 2007 are finalized.
- <sup>†</sup> Calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 weeks following the current week, for a total of 5 preceding years. Additional information is available at http://www.cdc.gov/epo/dphsi/phs/files/5yearweeklyaverage.pdf.
- <sup>§</sup> Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 and 2008 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.
- <sup>1</sup> Includes both neuroinvasive and nonneuroinvasive. Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for West Nile virus are available in Table II.
- \*\* The names of the reporting categories changed in 2008 as a result of revisions to the case definitions. Cases reported prior to 2008 were reported in the categories: Ehrlichiosis, human monocytic (analogous to *E. chaffeensis*); Ehrlichiosis, human granulocytic (analogous to *Anaplasma phagocytophilum*), and Ehrlichiosis, unspecified, or other agent (which included cases unable to be clearly placed in other categories, as well as possible cases of *E. ewingii*).
- <sup>††</sup> Data for *H. influenzae* (all ages, all serotypes) are available in Table II.
- <sup>§§</sup> Updated monthly from reports to the Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. Implementation of HIV reporting influences the number of cases reported. Updates of pediatric HIV data have been temporarily suspended until upgrading of the national HIV/AIDS surveillance data management system is completed. Data for HIV/AIDS, when available, are displayed in Table IV, which appears quarterly.
- <sup>11</sup> Updated weekly from reports to the Influenza Division, National Center for Immunization and Respiratory Diseases. There are no reports of confirmed influenza-associated pediatric deaths for the current 2008-09 season.
- \*\*\* No measles cases were reported for the current week.
- <sup>+++</sup> Data for meningococcal disease (all serogroups) are available in Table II.
- §§§ In 2008, Q fever acute and chronic reporting categories were recognized as a result of revisions to the Q fever case definition. Prior to that time, case counts were not differentiated with respect to acute and chronic Q fever cases.
- 111 The two rubella cases reported for the current week were unknown.
- \*\*\*\* Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases.

# FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals November 22, 2008, 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.

Notifiable Disease Data Team and 122 Cities Mortality Data TeamPatsy A. HallDeborah A. AdamsRosaline DharaWillie J. AndersonMichael S. WodajoLenee BlantonPearl C. Sharp

(47th week)*			Chlamydi	ia <sup>†</sup>			Cocci	idiodomy	cosis			Crvr	otosporidi	osis	
		Prev		ia.			Prev		0515			Prev		0515	
	Current			Cum	Cum	Current	52 w		Cum	Cum	Current	52 w		Cum	Cum
Reporting area	week	Med	Max	2008	2007	week	Med	Max	2008	2007	week	Med	Max	2008	2007
United States New England Connecticut Maine <sup>§</sup> Massachusetts New Hampshire Rhode Island <sup>§</sup> Vermont <sup>§</sup>	9,661 523 133  337 21  32	21,213 706 215 51 327 41 53 15	28,892 1,516 1,093 72 624 64 104 52	970,335 33,231 10,241 2,289 15,703 1,908 2,379 711	986,853 31,920 9,521 2,287 14,427 1,866 2,862 957	231     	122 0 0 0 0 0 0 0 0	341 1 0 0 1 0 0	6,029 1 N N 1 	6,818 2 N N 2  N	51 1 — — — — — 1	98 5 1 1 1 0	426 39 37 6 9 4 2 7	6,778 285 37 42 91 53 7 55	10,536 320 42 50 128 46 11 43
Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania	1,234 669 565	2,793 414 542 975 823	4,951 537 2,177 3,413 1,049	132,731 18,663 24,600 51,231 38,237	129,447 19,475 24,932 46,731 38,309	N N N N	0 0 0 0	0 0 0 0 0	N N N N	N N N N	6 5 1	12 0 4 2 5	34 2 17 6 15	661 26 247 96 292	43 1,313 64 230 95 924
<b>E.N. Central</b> Illinois Indiana Michigan Ohio Wisconsin	861 273 567 21 —	3,479 1,062 375 834 828 332	4,373 1,711 668 1,226 1,261 612	156,008 44,449 18,409 39,981 38,490 14,679	161,418 48,199 18,989 33,403 42,951 17,876	N N  N	1 0 0 0 0	3 0 3 1 0	38 N 29 9 N	32 N 21 11 N	16 4 2 10	25 2 3 5 6 8	122 7 41 13 59 46	1,820 104 177 238 658 643	1,789 192 92 191 543 771
W.N. Central Iowa Kansas Minnesota Missouri Nebraska <sup>§</sup> North Dakota South Dakota	676 152 317  150  57	1,259 165 178 263 478 89 33 55	1,700 240 529 373 566 252 65 85	58,601 8,182 8,443 11,834 21,957 4,067 1,483 2,635	57,295 7,936 7,385 12,300 21,119 4,683 1,556 2,316	Z Z     Z Z Z	0 0 0 0 0 0 0	77 0 77 1 0 0 0	2 N 2 N N N	8 N 	  	16 4 5 3 2 0 1	71 30 15 13 8 51 9	891 266 80 211 152 106 7 69	1,537 604 140 264 174 164 25 166
S. Atlantic Delaware District of Columbia Florida Georgia Maryland <sup>§</sup> North Carolina South Carolina <sup>§</sup> Virginia <sup>§</sup> West Virginia	1,292 88 1,196 8 — — — — —	3,593 67 128 1,359 231 444 1 465 616 57	7,609 150 210 1,570 1,338 699 4,783 3,047 1,059 96	168,092 3,363 6,078 62,799 16,714 19,841 5,901 23,407 27,334 2,655	192,448 3,126 5,425 51,614 38,508 20,405 24,526 23,752 22,207 2,885	Z Z Z Z Z Z Z	0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 0 0	4 1 N N 3 N N N	5 2 N 3 N N N N	19 — 7 6 2 4 —	18 0 7 4 0 0 1 1 0	46 2 35 13 4 16 4 4 3	884 10 8 422 210 36 67 45 67 19	1,186 20 3 624 219 34 112 81 81 82 11
E.S. Central Alabama <sup>§</sup> Kentucky Mississippi Tennessee <sup>§</sup>	890 373 517	1,566 457 236 378 527	2,394 589 370 1,048 790	73,770 18,978 11,104 18,421 25,267	74,456 22,851 7,626 19,393 24,586	N N N	0 0 0 0	0 0 0 0	N N N N	N N N N	 	3 1 0 1	9 6 4 2 6	151 62 31 16 42	596 116 247 101 132
<b>W.S. Central</b> Arkansas <sup>§</sup> Louisiana Oklahoma Texas <sup>§</sup>	304 304 	2,758 276 400 195 1,892	4,426 455 775 392 3,923	123,071 12,851 18,991 7,668 83,561	112,228 8,898 17,792 11,416 74,122	N N N	0 0 0 0	1 0 1 0 0	3 N 3 N N	2 N 2 N N	2  _2	5 0 1 2	130 6 5 16 117	1,225 37 52 125 1,011	421 58 59 115 189
Mountain Arizona Colorado Idaho <sup>§</sup> Montana <sup>§</sup> New Mexico <sup>§</sup> Utah Wyoming <sup>§</sup>	1,146 300 588 243 — — — 15	1,252 470 206 63 58 179 133 113 30	1,811 651 482 314 363 416 561 253 58	57,765 21,536 9,846 3,676 2,414 8,242 5,859 4,840 1,352	66,607 22,514 15,651 3,267 2,300 8,707 8,174 4,910 1,084	118 115 N N 3 —	86 86 0 0 1 0 0 0	170 168 0 0 6 3 3 1	3,949 3,871 N N 44 27 5 2	4,288 4,147 N N 60 20 58 3	2  - 2  -  -  -	9 1 1 1 0 1 0 0	37 9 12 14 6 1 23 6 4	493 86 108 62 39 1 145 35 17	2,874 48 205 456 64 36 120 1,891 54
Pacific Alaska California Hawaii Oregon <sup>§</sup> Washington	2,735 79 1,756 <u>-</u> 631 269	3,697 88 2,878 103 188 372	4,676 129 4,115 153 402 634	167,066 4,013 131,652 4,597 9,400 17,404	161,034 4,399 125,977 5,154 8,573 16,931	113 N 113 N N N	32 0 32 0 0 0	217 0 217 0 0 0	2,032 N 2,032 N N N	2,481 N 2,481 N N N	5 5 —	8 0 5 0 1 2	29 1 14 1 4 16	368 3 225 2 50 88	500 3 258 6 123 110
American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands	 97 	0 5 121 12	20  24 612 23	73 123 6,350 502	95 760 6,522 147	N  N	0 0 0 0	0 0 0 0	N  N	N  N	N  N	0 0 0 0	0 0 0 0	N  N	N  N

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Incidence data for reporting year 2008 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly. † Chlamydia refers to genital infections caused by *Chlamydia trachomatis*. § Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

<u>,                                     </u>			Giardias	is				Gonorrhe	a		На		is influen es, all ser	zae, invasi otypes†	ve
			vious					vious				Prev			
Reporting area	Current week	52 v Med	veeks Max	Cum 2008	Cum 2007	Current week	52 v	weeks Max	Cum 2008	Cum 2007	Current week	52 w	eeks Max	Cum 2008	Cum 2007
United States	246	308	1,158	15,374	16,743	1,975	5,923	8,913	266,830	318,094	25	48	173	2,267	2,160
New England	7	24	49	1,150	1,349	84	102	227	4,732	5,026	1	3	12	136	161
Connecticut Maine <sup>§</sup>	5	6 3	11 12	278 165	336 178	34	51 1	199 6	2,321 84	1,935 113	1	0	9 2	40 16	43 12
Massachusetts		9	17	343	563	48	38	90	1,928	2,421	_	1	5	57	79
New Hampshire	_	2	11	134	32	1	2	6	93	133	—	0	1	9	16
Rhode Island <sup>§</sup> Vermont <sup>§</sup>	2	1 3	8 13	76 154	79 161	1	6 0	13 5	280 26	368 56	_	0	1 3	6 8	8 3
Mid. Atlantic	49	59	131	2,889	2,904	235	625	1,028	29,591	32,854	5	10	31	439	417
New Jersey		7	14	302	372		100	168	4,537	5,505	_	1	7	70	63
New York (Upstate) New York City	26 4	23 15	111 27	1,091 729	1,058 780	130	121 175	545 636	5,460 9,514	6,236 9,618	2	3 1	22 6	134 73	120 92
Pennsylvania	19	15	45	767	694	105	225	394	10,080	11,495	3	4	8	162	142
E.N. Central	17	46	78	2,227	2,635	337	1,231	1,647	55,425	65,587	2	7	28	329	328
Illinois Indiana	N	10 0	22 0	492 N	818 N	118	370 149	589 284	15,413 7,397	18,117 8,123	1	2 1	7 20	102 66	102 54
Michigan	2	11	21	514	560	214	327	657	14,958	13,921	_	0	3	17	26
Ohio Wisconsin	15	17 9	31 23	816 405	741 516	5	301 90	531 175	13,665	19,223 6,203	1	2 1	6 2	120 24	94 52
WISCONSIN W.N. Central	31	9 26	23 621	405 1,792		163	90 317	425	3,992 14,820	17,728	3	3	2 24	178	127
lowa	1	20	17	295	1,367 281	18	28	425	14,820	1,761		0	24	2	1
Kansas		3	11	150	168	85	41	130	2,097	2,086	—	0	3	14	11
Minnesota Missouri	22 4	0 8	575 22	612 417	168 482	53	57 149	92 203	2,582 7,164	3,158 9,065	2	0 1	21 6	54 69	56 38
Nebraska§	4	4	10	190	148	_	25	47	1,158	1,318	1	0	2	27	16
North Dakota South Dakota	_	0 1	36 10	21 107	23 97	7	2 7	6 15	91 318	108 232	_	0	3 0	12	5
S. Atlantic	67	54	87	2,534	2,772	, 391	1,186	3,072	56,531	74.875	9	11	29	605	542
Delaware	_	1	3	´ 38	´ 39	17	20	44	936	1,187	_	0	2	7	8
District of Columbia Florida	57	1 22	5 52	51 1,195	69 1,155	373	47 449	104 549	2,305 20,805	2,154 20,960	5	0 3	1 10	9 164	3 147
Georgia	_	9	27	511	624	1	105	560	6,340	15,866	_	2	9	133	109
Maryland <sup>§</sup>	4 N	5 0	12 0	229 N	246 N	_	117 0	206 1,949	5,346 2,638	6,053 12,954	1 3	2	6 9	86 69	79 51
North Carolina South Carolina§	3	2	6	110	111	_	187	832	2,030 8,434	9,203		1	9 7	46	47
Virginia <sup>§</sup>	3	9	39	348	482	—	173	486	9,107	5,636	—	1	6	73	73
West Virginia	_	1	5	52	46		14	26	620	862	_	0	3	18	25
E.S. Central Alabama <sup>§</sup>	3 1	9 5	21 12	427 239	522 241	276	552 177	945 287	26,287 7,510	28,991 9,783	1	2 0	8 2	117 18	129 27
Kentucky	N	0	0	N	N	124	90	153	4,208	2,993	_	0	1	2	9
Mississippi Tennessee§	N 2	0 4	0 13	N 188	N 281	152	131 163	401 296	6,557 8,012	7,451 8,764	1	0 2	2 6	13 84	9 84
W.S. Central	13	7	41	393	397	64	952	1,355	42,165	46.602	_	2	29	96	92
Arkansas§	4	3	8	129	142	64	86	167	4,176	3,802	_	0	3	9	9
Louisiana Oklahoma	9	2 3	9 35	115 149	130 125	_	170 67	317 124	8,149 2,903	10,220 4,425	_	0 1	2 21	8 71	8 65
Texas§	Ň	0	0	N	N	_	633	1,102	26,937	28,155	_	ò	3	8	10
Mountain	21	28	60	1,343	1,684	136	211	338	9,624	12,533	4	5	14	255	230
Arizona Colorado	10	2 11	8 27	121 521	185 526	39 84	66 58	109 100	3,030 2,809	4,603 3,049	2 2	2 1	11 4	103 52	81 53
Idaho§	3	4	19	181	180	13	3	13	165	240	_	0	4	12	7
Montana <sup>§</sup> Nevada <sup>§</sup>	4	1	9 8	75 87	102 134	—	2 40	48 130	95 1,901	109	—	0 0	1 2	2 14	2 11
New Mexico§	4	1 1	7	80	111	_	40 24	104	1,094	2,151 1,597	_	0	4	33	39
Utah	4	5	22	256	404	—	11	36	418	713	—	1	6	36	32
Wyoming <sup>§</sup>		0	3	22	42		2	9	112	71	_	0	2	3	5
Pacific Alaska	38 2	54 2	185 10	2,619 93	3,113 73	289 8	604 10	746 24	27,655 455	33,898 509	_	2 0	7 2	112 16	134 15
California	35	35	91	1,710	2,078	229	511	657	22,993	28,329	_	0	3	25	45
Hawaii Oregon <sup>§</sup>	_	1 8	5 18	39 404	72 431	16	11 23	22 48	511 1,106	603 1,094	_	0 1	2 4	18 50	11 61
Washington	1	8	87	373	459	36	55	90	2,590	3,363	_	Ó	3	3	2
American Samoa	_	0	0	_	_	_	0	1	3	3	_	0	0	_	_
C.N.M.I. Guam	_	0		_	2	_	1	 15	 73	118	_	0	1	_	1
Puerto Rico	_	2	10	117	355	3	5	25	253	284	_	0	0	_	2
U.S. Virgin Islands	_	0	0	—	—	—	2	6	93	38	Ν	0	0	Ν	Ν

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Med \* Incidence data for reporting year 2008 are provisional. † Data for *H. influenzae* (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I. § Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

### **MMWR**

			Α	Topat		doute), by	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	В				Le	egionellos	is	
			ious					vious					ious		
Reporting area	Current week	52 w Med	eeks Max	Cum 2008	Cum 2007	Current week	52 w	eeks Max	Cum 2008	Cum 2007	Current week	52 w Med	eeks Max	Cum 2008	Cum 2007
United States	14	48	171	2,202	2,589	32	68	259	3,059	3,907	31	46	139	2,482	2,370
New England	_	2	7	100	124	_	1	7	51	115	1	2	16	119	141
Connecticut Maine <sup>§</sup>	_	0 0	4 2	26 10	25 4	_	0 0	7 2	19 10	36 13	1	0 0	5 2	38 9	38 7
Massachusetts New Hampshire	—	0 0	5 2	38 12	62 12	_	0 0	1 1	9 7	41 5	_	0 0	3 5	13 24	41 8
Rhode Island§	_	0	2	12	13	_	0	1	4	15	_	0	14	30	38
Vermont <sup>§</sup> Mid. Atlantic	4	0 6	1 12	2 267	8 418	3	0 9	1 15	2 383	5 509	— 13	0 14	1 58	5 851	9 766
New Jersey	_	1	4	51	119	_	2	7	111	144	_	1	7	77	105
New York (Upstate) New York City	2	1 2	6 6	59 94	68 146	1	1	4 6	59 79	81 113	9	5 2	19 12	307 105	208 173
Pennsylvania	2	1	6	63	85	2	3	7	134	171	4	6	33	362	280
E.N. Central Illinois	1	6 1	16 10	286 85	313 109	3	7 1	12 5	347 78	418 125	4	10 1	39 7	524 66	538 105
Indiana Michigan	1	0 2	4 7	21 109	27 89	2	1 2	6 6	42 115	53 107	_	1 2	7 16	48 141	56 155
Ohio	_	1	4	45	59	1	2	8	106	113	4	4	18	252	190
Wisconsin W.N. Central	_	0 5	2 29	26 239	29 155	1	0 2	1 9	6 90	20 104	1	0 2	3 9	17 114	32 106
Iowa	_	1	7	104	43	_	0	2	14	24	_	0	2	15	11
Kansas Minnesota	_	0 0	3 23	14 36	10 62	_	0 0	3 5	7 10	8 17	_	0 0	1 4	2 21	9 26
Missouri Nebraska <sup>§</sup>	_	1 0	3 5	41 40	19 15	1	1 0	4 2	51 7	37 11	1	1 0	5 4	54 20	43 13
North Dakota	_	0	2	_	_	—	0	1	1	_	_	0	2	_	_
South Dakota <b>S. Atlantic</b>	4	0 7	1 15	4 353	6 441	9	0 16	0 60	 779	7 898	8	0 8	1 28	2 418	4 389
Delaware	_	0	1	7	7	—	0	3	9	14	<u> </u>	0	2	11	11
District of Columbia Florida	U 2	0 2	0 8	U 139	U 138	U 8	0 6	0 12	U 300	U 308	2	0 3	1 7	13 134	15 131
Georgia Maryland <sup>§</sup>	1	1 1	4 3	45 37	63 71	_	3 2	6 4	128 72	137 107	2	1 2	4 10	32 109	37 76
North Carolina	1	Ó	9	59	57	1	0	17	74	120	3	0	7	36	42
South Carolina <sup>§</sup> Virginia <sup>§</sup>	_	0 1	3 5	16 45	17 79	_	1 2	6 16	54 94	58 115	1	0 1	2 6	11 52	17 47
West Virginia	_	0	2	5	9	_	1	30	48	39	_	0	3	20	13
E.S. Central Alabama <sup>§</sup>	_	1 0	9 4	75 12	98 20	2 1	7 2	13 6	329 93	342 119	_	2 0	10 2	103 15	92 10
Kentucky Mississippi	_	0 0	3 2	29 5	19 8	1	2 0	5 3	78 39	68 37	_	1 0	4 1	52 1	46
Tennessee§	_	0	6	29	51	_	3	8	119	118	_	1	5	35	36
W.S. Central Arkansas <sup>§</sup>	1	5 0	55 1	184 5	239 12	12	12 0	131 4	575 30	847 67	_	1 0	23 2	70 11	122 15
Louisiana	—	0	1	10	27	_	1	4	73	92	—	0	2	9	5
Oklahoma Texas <sup>§</sup>	1	0 4	3 53	7 162	10 190	3 9	2 7	22 107	105 367	122 566	_	0 1	6 18	10 40	5 97
Mountain	1	4	12	195	211	—	4	10	172	193	1	2	6	72	103
Arizona Colorado	_	2 0	11 3	99 35	139 24	_	1 0	5 3	59 30	76 34	_	0 0	2 2	17 10	36 21
Idaho <sup>§</sup> Montana <sup>§</sup>	_	0	3 1	18 1	8 9	_	0	2 1	8 2	12	_	0	1	3 4	6 3
Nevada§	1	Ō	3	9	11	—	1	3	32	44	_	Ō	2	10	9
New Mexico <sup>§</sup> Utah	_	0 0	3 2	17 13	11 6	_	0 0	2 5	9 28	12 10	1	0 0	1 2	6 22	10 15
Wyoming§	_	0	1	3	3	_	0	1	4	5	_	0	0	_	3
<b>Pacific</b> Alaska	3	11 0	51 1	503 3	590 4	2	7 0	30 2	333 9	481 9	3	4	18 1	211 2	113
California Hawaii	3	9 0	42 2	411 17	508 7	2	5 0	19 1	237 7	353 16	3	3 0	14 1	169 8	83 2
Oregon <sup>§</sup>	—	0	3 7	26	27	_	1	3	38	54	_	0	2	15	11
Washington American Samoa	_	1 0	0	46	44	_	1 0	9 0	42	49 14	N	0 0	3 0	17 N	17 N
C.N.M.I.	—		0	_	—	—	-0		_	2	_		0	_	_
Guam Puerto Rico	_	0	4	17	58	_	0	5	38	79	_	0	1	1	4
U.S. Virgin Islands	_	0	0	_	_	_	0	0		_	_	0	0		_

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

Hepatitis (viral, acute), by type<sup>†</sup>

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

U: Unavailable. —: No reported cases. N: Not notific \* Incidence data for reporting year 2008 are provisional. † Data for acute hepatitis C, viral are available in Table I.

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

	sive <sup>†</sup>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
	Cum 2007
$\begin{array}{c} \mbox{connection} & - & 0 & 35 & - & 2,985 & - & 0 & 27 & 11 & 3 & - & 0 & 1 & 1 & 1 & 3 \\ \mbox{Maine}^{5} & 10 & 2 & 73 & 807 & 473 & - & 0 & 2 & - & 1 & 3 & - & 0 & 3 & 11 & 4 \\ \mbox{Massachusetts} & - & 13 & 114 & 1,039 & 2,937 & - & 0 & 2 & 14 & 31 & - & 0 & 3 & 11 & 1 & 1 & 10 & 13 & 114 & 1,039 & 2,937 & - & 0 & 1 & 4 & 4 & - & - & 0 & 0 & - & - & 1 & 1 & 137 & 1,307 & 132 & - & 0 & 1 & 4 & 4 & - & - & 0 & 0 & - & - & 1 & 1 & 137 & 1,307 & 132 & - & 0 & 1 & 4 & 4 & - & - & 0 & 0 & - & - & & 1 & 1 & 1 & - & 0 & 0 & - & - & 1 & 1 & 4 & 0 & - & 0 & 0 & - & - & 0 & 0 & - & -$	960
	42
	6 7
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	19
Mid. Altentic         261         170         1.010         13.807         10.309         1         4         14         224         359         2         2         6         100           New Vork (Upstate)         232         53         453         4,715         3.079         -         0         8         226         66         -         0         2         11           New Vork (Upstate)         232         53         453         4,715         3.079         -         0         8         28         66         -         0         2         22         2         6         10         2         22         2         66         -         0         2         25         9         1         0         2         2         7         1         4         55         1         0         2         16         18         -         0         3         28         22         -         1         4         32           Ohio         -         1         5         819         1,780         -         0         3         18         17         -         0         2         14         3         -         0	3 3
New Jork (Upstel)         22         31         209         2.636         2.998         -         0         2         -         66         -         0         2         21           New York (Upstel)         22         53         453         4,715         3.079         -         0         8         28         66         1         0         3         22         22           New York City          0         7         28         401          3         107         157         187          0         2         22           Pennsylvania         29         59         6,428         3,831         1         1         3         39         40         1         4         22           Indiana          0         8         38         45          0         2         16         18          0         3         22          1         4         32           Ohio          1         15         458         32          0         3         18         177          0         3         18         177 <t< td=""><td>4</td></t<>	4
New York (Upstate)       232       53       453       4,715       3,079       —       0       8       28       66       1       0       3       22       22         Pennsylvania       29       59       529       6,428       3,831       1       1       3       39       40       1       1       5       448         E.N. Central       1       9       130       1,067       2,677       1       2       7       115       123       1       3       9       155         Indiana       —       0       8       38       45       —       0       2       5       9       1       0       4       3       8       3       —       0       3       18       17       —       0       2       8       3       —       0       2       4       1       0       1       12       3       1       0       1       12       1       12       1       11       13	120 18
Pennsylvania 29 59 529 6,428 3,831 1 1 1 3 39 40 1 1 1 5 44 E.N. Central 1 9 130 1,067 2,057 1 2 7 115 123 1 3 9 155 Indiana	35
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20 47
	153
	56 26
	26 25
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	34 12
	64
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	14
Nebraska-02127-0287-0112North Dakota-091302-2-0111South Dakota-01300-1-012South Dakota-21237702672-01242-00-Platuare21237702672-01242-00-Florida111011251175350-1346Georgia-032210-154837-0216Maryland <sup>6</sup> 21301241.8422.4411166364-0412North Carolina <sup>6</sup> -022229-0196-0321Virginia <sup>8</sup> 8116873825-174054-0222Virginia <sup>8</sup> 8116873-00-1-0145Alabama <sup>8</sup> -031013-0 <t< td=""><td>5 18</td></t<>	5 18
North Dakota       -       0       9       1       3       -       0       2       -       2       -       0       1       3         South Dakota       -       0       1       3       -       -       0       0       -       1       -       0       1       2         South Dakota       2       12       37       702       672       -       0       1       2       4       -       0       1       2         Delaware       2       12       37       702       672       -       0       2       4       2       -       0       1       2       4       -       0       1       2       4       -       0       1       2       4       -       0       1       2       4       -       0       1       2       4       2       4       1       1       6       6       3       1       4       4       1       1       6       6       3       1       1       1       2       1       1       1       1       2       1       1       1       1       2       1       1       1	17
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5 2
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	60 23
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	19
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	18 16
E.S. Central       -       1       3       43       51       -       0       2       17       33       1       1       6       50         Alabama <sup>§</sup> -       0       3       10       13       -       0       1       4       6       -       0       2       16         Kentucky       -       0       1       3       6       -       0       1       4       6       -       0       2       16         Mississippi       -       0       1       1       1       -       0       1       4       8       -       0       2       16         Tennessee <sup>§</sup> -       0       3       29       31       -       0       2       8       17       1       0       3       21       10         W.S. Central       1       2       11       97       74       1       1       64       73       85       -       2       13       100         Arkansas <sup>§</sup> -       0       1       3       2       -       0       1       3       2       -       0       2       7       7 <td>19</td>	19
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2 48
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	11 11
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	17
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	93
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9 25
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	16 43
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	43 62
$daho^{\$}$ — 0 2 9 9 — 0 1 3 4 — 0 2 4	12
	21 6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 5
New Mexico <sup>§</sup> — 0 2 6 5 — 0 1 2 5 — 0 1 7	5 2
Utah          0         0          7          0         1         3         11          0         1         5           Wyoming§          0         1         2         3          0         0           0         1         2	12 2
Wyorming <sup>3</sup> $ 0$ $1$ $2$ $3$ $ 0$ $1$ $2$ Pacific $8$ $5$ $10$ $251$ $84$ $1$ $3$ $10$ $151$ $163$ $3$ $5$ $19$ $234$	2 220
Alaska — 0 2 5 9 — 0 2 6 2 — 0 2 5	1
California         8         3         10         191         66         1         2         8         113         117         3         3         19         167           Hawaii         N         0         0         N         N         —         0         1         3         2         —         0         1         5	160 10
Oregon <sup>§</sup> - 0 5 45 6 - 0 2 4 17 - 1 3 33	28
Washington         —         0         7         10         3         —         0         3         25         25         —         0         5         24           American Samoa         N         0         0         N         —         0         0         —         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         —         0         0         …         0         0         …         0         …         0         …         0         …         0         …         0         …         0         …         0         …         0         …         0         …         0         …         0         …         0<	21
C.N.M.I	_
Guam         —         0         0         —         0         2         3         1         —         0         0         —           Puerto Rico         N         0         0         N         N         —         0         1         1         3         —         0         1         3	8
U.S. Virgin Islands         N         0         N $-$ 0 $   -$ <t< td=""><td></td></t<>	

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Incidence data for reporting year 2008 are provisional. † Data for meningococcal disease, invasive caused by serogroups A, C, Y, & W-135; serogroup B; other serogroup; and unknown serogroup are available in Table I. § Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

(47th week)*	,														
		Dress	Pertussis					bies, anir	nal		F		· · ·	otted fever	
	Current		rious reeks	Cum	Cum	Current		ious eeks	Cum	Cum	Current		ious eeks	Cum	Cum
Reporting area	week	Med	Max	2008	2007	week	Med	Max	2008	2007	week	Med	Max	2008	2007
United States	153	164	849	7,925	8,795	13	95	151	4,305	5,594	53	37	195	2,146	1,887
New England Connecticut	_	14 0	49 4	564 34	1,377 82	4 1	7 4	20 17	338 187	495 208	_	0 0	1 0	_2	8
Maine <sup>†</sup>	—	0	5	37	75	2	1	5	54	80	Ν	0	0	N	N
Massachusetts New Hampshire	_	10 0	33 4	420 32	1,060 76		0 1	0 3	N 35	N 51	_	0 0	1 1	1 1	7 1
Rhode Island <sup>†</sup> Vermont <sup>†</sup>	_	0 0	25 6	29 12	29 55	N 1	0 1	0 6	N 62	N 156	_	0 0	0 0	_	_
Mid. Atlantic	21	19	43	912	1,152	3	22	50	1,182	939		2	5	76	74
New Jersey New York (Upstate)	6	1 7	9 24	48 396	202 499	3	0 9	0 20	464	488	_	0	2 2	12 16	29 6
New York City	_	1	6	46	137	—	0	2	13	42	—	Ō	2	24	24
Pennsylvania E.N. Central	15 32	9 22	23 189	422 1.288	314 1,419	2	14 3	35 28	705 243	409 401	1	0 1	2 13	24 127	15 58
Illinois	_	3	18	213	178	_	1	21	103	113	—	Ó	10	84	38
Indiana Michigan	3 6	1 5	15 14	95 240	53 273	_	0 1	2 8	10 71	12 200	1	0 0	3 1	8 3	5 4
Ohio Wisconsin	23	8 1	176 7	676 64	593 322	2 N	1 0	7 0	59 N	76 N	_	0 0	4 1	31 1	10 1
W.N. Central	38	14	, 142	937	669	1	3	12	175	244	2	5	36	494	358
lowa Kansas	1	1 1	9 13	70 57	138 97	_	0 0	5 7	27	30 99	_	0 0	2 0	6	16 12
Minnesota	—	2	131	223	210	_	0	10	61	32	1	0	4	1	1
Missouri Nebraska†	25 12	5 2	46 33	355 213	92 68	1	0 0	9 0	51	38	1	4 0	35 4	464 20	310 14
North Dakota South Dakota	_	0 0	5 3	1 18	7 57	_	0 0	8 2	24 12	21 24	_	0 0	0 1	3	5
S. Atlantic	13	14	50	767	868	_	37	101	1,858	2,043	27	12	70	826	891
Delaware District of Columbia	_	0 0	3 1	16 5	11 9	_	0 0	0 0	_	_	_	0	4 2	29 7	16 3
Florida	11	4	20	266	197	—	0	77	133	128	1	0	3	18	15
Georgia Maryland <sup>†</sup>	1	1 2	6 9	59 108	33 111	_	6 8	42 17	288 386	272 398	2	1	8 7	72 66	58 61
North Carolina South Carolina <sup>†</sup>	1	0 2	38 22	79 98	288 71	_	9 0	16 0	424	450 46	24	1 1	55 9	438 50	563 61
Virginia†	_	3	10	130	118	—	12	24	554	673	—	1	15	139	109
West Virginia E.S. Central	1	0 7	2 15	6 298	30 436	_	1 3	9 7	73 165	76 147	3	0 3	1 23	7 303	5 270
Alabama†	_	1	5	44	85	_	0	0	_	_	_	1	8	86	93
Kentucky Mississippi	1	1 2	8 6	91 88	28 246	_	0 0	4 1	45 2	18 2	_	0 0	1 1	1 6	5 20
Tennessee <sup>†</sup>	—	1	6	75	77	_	2	6	118	127	3	2	19	210	152
<b>W.S. Central</b> Arkansas <sup>†</sup>	33 18	26 1	198 11	1,387 68	981 159	_	1 1	40 6	85 47	1,002 30	18 8	2 0	153 14	280 65	190 100
Louisiana Oklahoma	_	1 0	7 26	69 53	20 23	_	0 0	0 32	36	6 45	10	0 0	1 132	5 168	4 48
Texas <sup>†</sup>	15	21	179	1,197	779	—	0	12	2	921		1	8	42	38
<b>Mountain</b> Arizona	5	15 3	37 10	704 186	1,001 199	N	1 0	8 0	75 N	93 N	2 2	0 0	3 2	34 15	35 9
Colorado Idaho†	4	3 0	13 5	140 29	272 41	_	0 0	0 1	_	12	_	0	1 1	1	3 4
Montana <sup>†</sup>	_	1	11	77	44	_	0	2	8	20	_	Ō	1	3	1
Nevada† New Mexico†	1	0 1	7 5	19 48	37 71	_	0 0	4 3	5 25	13 14	_	0 0	2 1	2 2	5
Utah Wyoming <sup>†</sup>	_	5 0	27 2	189 16	314 23	_	0 0	6 3	13 24	16 18	_	0 0	0 2	 10	13
Pacific	10	22	303	1,068	892	3	3	13	184	230	_	0	2 1	4	3
Alaska California	7	2 7	19 129	202 328	86 412	3	0 3	4 12	14 157	42 176	N	0 0	0	N 1	Ň 1
Hawaii	_	0	2	11	18	—	0	0	_	—	N	Ō	0	Ň	Ν
Oregon <sup>†</sup> Washington	3	3 5	9 169	156 371	112 264	_	0 0	4 0	13	12	N	0 0	1 0	3 N	2 N
American Samoa C.N.M.I.	_	0	0	_		N	0	0	N	N	N	0	0	N	N
Guam Puerto Rico	_	0 0	0 0	—	_	_	0 1	0 5	 59	47	N N	0 0	0 0	N N	N N
U.S. Virgin Islands	_	0	0		_	N	0	0	59 N	47 N	N	0	0	N	N

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Incidence data for reporting year 2008 are provisional. † Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### **MMWR**

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands.

-: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. U: Unavailable.

Incidence data for reporting year 2008 are provisional. <sup>1</sup> Includes *L* coli OTS7:H7; Shiga toxin-positive, serogroup non-O157; and Shiga toxin-positive, not serogrouped.
<sup>§</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

		Streptococcal	diseases, inv	asive, group A		Streptococc	us pneumonia	Age <5 years	isease, nondru	g resistant
	Current		ious eeks	Cum	Cum	Current	Prev 52 w	ious eeks	Cum	Cum
Reporting area	week	Med	Max	2008	2007	week	Med	Max	2008	2007
United States	42	96	259	4,666	4,687	21	34	166	1,459	1,616
New England	_	6	31	315	355	_	1	14	71	115
Connecticut Maine <sup>§</sup>	_	0 0	26 3	96 25	109 26	_	0 0	11	11 2	13 3
Massachusetts	_	3	8	138	170	_	0	5	39	78
New Hampshire Rhode Island <sup>§</sup>	_	0 0	2 9	26 18	26 8	_	0 0	1 2	11 7	11 8
Vermont§	_	0	2	12	16	_	ŏ	1	1	2
Mid. Atlantic	5	18	43	909	863	1	4	19	190	284
New Jersey New York (Upstate)	2	3 6	11 17	137 294	157 259	1	1 2	6 14	56 93	60 92
New York City		4	10	170	211	_	0	8	41	132
Pennsylvania	3	6	16	308	236	N	0	0	N	N
E.N. Central Illinois		19 4	42 16	848 222	879 264	1	6 1	23 5	240 48	278 75
Indiana	3	2	11	122	105	1	ò	14	36	18
Michigan	-	3 5	10 14	159	187	_	1	5	68 54	72 56
Ohio Wisconsin	1	2	14	243 102	206 117	_	1	5 3	54 34	50 57
W.N. Central	12	5	39	357	310	7	2	16	134	91
lowa	_	0	0	_	_	_	0	0	_	_
Kansas Minnesota	12	0	5 35	36 166	30 149	7	0 0	3 13	18 60	1 48
Missouri	<u> </u>	2	10	83	79	_	1	2	31	24
Nebraska <sup>§</sup> North Dakota	_	1 0	3 5	39 12	23 18	_	0 0	2 2	8 8	17 1
South Dakota	_	Ő	2	21	11	_	Ö	1	9	_
S. Atlantic	13	21	37	1,006	1,145	5	6	16	270	293
Delaware District of Columbia	—	0 0	2 4	8 26	10 17	_	0 0	0 1	2	2
Florida	7	5	10	246	290	2	1	4	61	60
Georgia	2	5	14	218	229	_	1	5	62	71
Maryland§ North Carolina	2 1	4 2	8 10	167 126	191 150	3 N	1 0	5 0	52 N	60 N
South Carolina <sup>§</sup>	—	1	5	62	91	_	1	4	47	51
Virginia <sup>§</sup> West Virginia	1	3 0	12 3	121 32	141 26	_	1 0	6 1	38 8	42 7
E.S. Central	_	4	9	160	196	1	2	11	93	, 91
Alabama§	Ν	0	0	N	N	N	0	0	N	N
Kentucky Mississippi	N	1 0	3 0	38 N	37 N	N	0 0	0 3	N 20	N 6
Tennessee§	_	3	6	122	159	1	2	9	73	85
W.S. Central	4	9	85	419	280	3	5	66	242	230
Arkansas <sup>§</sup> Louisiana	_	0 0	2 2	5 16	17 16	_	0 0	2 2	6 10	14 35
Oklahoma	2	2	19	104	63	_	ĩ	7	59	50
Texas <sup>§</sup>	2	6	65	294	184	3	3	58	167	131
<b>Mountain</b> Arizona	4	11 4	22 9	498 187	525 196	3 3	4 2	12 8	204 103	221 109
Colorado	2	3	8	137	131	_	1	4	55	43
ldaho <sup>§</sup> Montana <sup>§</sup>	N	0 0	2 0	15 N	17 N	_	0 0	1	5 4	2 1
Nevada <sup>§</sup>		0	1	12	2	N	0	0	Å N	N
New Mexico <sup>§</sup>	—	2	8	90	96	—	0	3	17	38
Utah Wyoming <sup>§</sup>	_	1 0	5 2	51 6	78 5	_	0 0	3 1	19 1	28
Pacific	_	3	10	154	134	_	0	2	15	13
Alaska	_	1	4	36	25	N	0	0	N	N
California Hawaii	_	0 2	0 10	118	109	N	0 0	0 2	N 15	N 13
Oregon <sup>§</sup>	N	0	0	N	N	Ν	0	0	N	N
Washington	N	0	0	N	N	N	0	0	N	N
American Samoa C.N.M.I.	_	0	12	30		<u>N</u>	0	0	<u>N</u>	N
Guam	_	0	0	_	14	_	0	0	_	_
Puerto Rico	N	0	0	Ν	Ν	N	0	0	N	N
U.S. Virgin Islands	_	0	0	_	_	N	0	0	N	N

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Incidence data for reporting year 2008 are provisional. \* Includes cases of invasive pneumococcal disease, in children aged <5 years, caused by *S. pneumoniae*, which is susceptible or for which susceptibility testing is not available (NNDSS event code 11717).

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### **MMWR**

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. ---: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

\* Incidence data for reporting year 2008 are provisional.

<sup>†</sup> Includes cases of invasive pneumococcal disease caused by drug-resistant S. pneumoniae (DRSP) (NNDSS event code 11720).

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

(47 III WEEK)		1						w	est Nile v	irus diseas	et				
		Varice	ella (chick	enpox)			Ne	euroinvas					neuroinva	sive§	
			/ious				Prev					Prev			
Reporting area	Current week	52 w	veeks Max	Cum 2008	Cum 2007	Current week	52 w Med	eeks Max	Cum 2008	Cum 2007	Current week	52 w Med	eeks Max	Cum 2008	Cum 2007
United States	383	530	1,660	23,761	35,102		1	80	623	1,222		2	84	710	2,397
New England	6	11	68	464	2,288	_	0	2	6	5	_	0	1	3	2,007
Connecticut	_	0	38	_	1,301	—	0	2	5	2	_	Ō	1	3	2
Maine <sup>¶</sup> Massachusetts	_	0 0	14 1		312	_	0 0	0	_	3	_	0	0	_	3
New Hampshire	_	6	13	226	337	_	ŏ	ŏ	_		_	ŏ	Ő	_	_
Rhode Island <sup>¶</sup>		0	0			—	0	1	1	—	—	0	0	—	1
Vermont <sup>¶</sup> Mid. Atlantic	6 49	6 48	17 80	237 2,067	338 4,367	_	0 0	0 8		 22	_	0 0	0 5	 19	
New Jersey	49 N	40	0	2,007 N	4,307 N	_	0	1	43	1	_	0	1	4	
New York (Upstate)	N	0	0	N	N	—	0	5	23	3	—	0	2	7	1
New York City Pennsylvania	N 49	0 48	0 80	N 2,067	N 4,367	_	0	2 2	8 11	13 5	_	0	2 1	6 2	5 5
E.N. Central	114	134	336	5,941	9,974	_	0	7	43	112	_	0	5	22	65
Illinois	—	14	63	978	1,035	—	0	4	11	62	—	0	2	8	38
Indiana Michigan	22	0 59	222 154	2,498	222 3,679	_	0 0	1 4	2 11	14 16	_	0 0	1 2	1 6	10 1
Ohio	92	48	128	2,096	4,069	_	0	3	16	13	_	ŏ	2	3	10
Wisconsin		3	38	369	969	—	0	1	3	7	_	0	1	4	6
W.N. Central Iowa	38 N	20 0	145 0	1,092 N	1,427 N	_	0 0	6 3	45 5	249 12	_	0 0	23 1	171 4	739 18
Kansas	1	6	40	392	511	_	Ő	2	8	14	_	Ő	4	29	26
Minnesota		0	0			—	0	2	3	44	—	0	6	18	57
Missouri Nebraska <sup>¶</sup>	37 N	10 0	51 0	631 N	835 N	_	0 0	3 1	11 5	61 21	_	0 0	1 8	7 44	16 142
North Dakota	_	0	140	49	_	_	0	2	2	49	_	0	12	41	320
South Dakota	_	0	5	20	81	—	0	5	11	48	—	0	6	28	160
S. Atlantic Delaware	61	91 1	173 5	4,165 44	4,686 46	_	0	3 0	13	43 1	_	0 0	3 1	13 1	39
District of Columbia	_	0	3	22	28	_	0	0	_	_	_	0	0	_	_
Florida	49 N	28 0	87 0	1,486 N	1,143 N	_	0	2 1	2 3	3 23	_	0	0 1	4	27
Georgia Maryland¶	N	0	0	N	N	_	0	2	7	6	_	0	2	7	4
North Carolina	N	0	0	N	N	—	0	0	—	4	—	0	0	—	4
South Carolina <sup>¶</sup> Virginia <sup>¶</sup>	3 1	15 22	66 81	759 1,230	987 1,429	_	0 0	0	_	3 3	_	0	0 1	1	2 2
West Virginia	8	12	66	624	1,053	_	õ	1	1	_	_	õ	Ö	_	_
E.S. Central	3	17	101	1,021	564	_	0	9	56	74	_	0	12	84	96
Alabama <sup>¶</sup> Kentucky	3 N	16 0	101 0	1,008 N	562 N	_	0	3 1	11 3	17 4	_	0 0	3 0	10	7
Mississippi		Ő	2	13	2	_	Ő	6	32	48	_	ŏ	10	67	83
Tennessee <sup>¶</sup>	N	0	0	Ν	N	—	0	1	10	5	—	0	3	7	6
W.S. Central Arkansas <sup>1</sup>	89	129 9	886 38	7,150 514	9,283 680	_	0	7 1	56 7	268 13	_	0	8 1	58 2	156 7
Louisiana	_	1	10	69	109	_	0	2	9	27	_	0	6	27	12
Oklahoma	N	0	0	N	N	—	0	1	2	59	—	0	1	5	47
Texas <sup>¶</sup> Mountain	89 21	125 36	852 90	6,567 1,741	8,494 2,448	_	0 0	6 12	38 99	169 288	_	0 0	4 23	24 183	90 1,040
Arizona		0	0	1,741	2,440	_	ő	10	62	49	_	ő	8	47	47
Colorado	16	14	43	778	976	—	0	4	13	99	—	0	12	64	477
Idaho¶ Montana¶	N	0 6	0 27	N 290	N 371	_	0	1 0	3	11 37	_	0	6	30 5	120 165
Nevada <sup>¶</sup>	Ν	0	0	N	N	_	0	2	9	2	_	0	3	7	10
New Mexico <sup>¶</sup>	5	4	22	185	363	_	0	2	6	39	_	0	1	3	21
Utah Wyoming¶	<u> </u>	9 0	55 4	478 10	704 34	_	0	2 0	6	28 23	_	0	4 2	19 8	42 158
Pacific	2	2	8	120	65	_	0	36	260	161	_	0	24	157	245
Alaska	2	1	5	63	35	—	0	0		154	_	0	0	142	
California Hawaii	_	0 1	0 6	 57	30	_	0	36 0	256	154	_	0	19 0	143	226
Oregon <sup>¶</sup>	Ν	0	0	N	N	_	0	2	3	7	_	0	4	13	19
Washington	N	0	0	N	N	—	0	1	1	_	—	0	1	1	_
American Samoa C.N.M.I.	<u>N</u>	0	0	N	N	_	0	0	_	_	_	0	0	_	_
Guam	_	1	17	62	233	_	0	0	_	_	_	0	0	_	_
Puerto Rico	—	7	20	378	667	—	0	0	_	—	_	0	0	—	—
U.S. Virgin Islands		0	0	_		_	0	0			_	0	0		_

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

\* Incidence data for reporting year 2008 are provisional.

<sup>+</sup> Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for California serogroup, eastern equine, Powassan, St. Louis, and western equine diseases are available in Table I.

<sup>8</sup> Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.
<sup>1</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

#### TABLE III. Deaths in 122 U.S. cities,\* week ending November 22, 2008 (47th week)

TABLE III. Deatils III	All causes, by age (years)					2,2000 (			All cau	ses, by a	ige (yea	rs)			
Reporting area	All Ages	<u>&gt;</u> 65	45–64	25–44	1–24	<1	P&l <sup>†</sup> Total	Reporting area	All Ages	<u>≥</u> 65	45–64	25–44	1–24	<1	- P&I <sup>†</sup> Total
New England Boston, MA Bridgeport, CT Cambridge, MA Fall River, MA Hartford, CT Lowell, MA Lynn, MA New Bedford, MA New Bedford, MA New Haven, CT Providence, RI Somerville, MA Springfield, MA Waterbury, CT Worcester, MA Mid. Atlantic Albany, NY Allentown, PA Buffalo, NY Camden, NJ Elizabeth, NJ Erie, PA Jersey City, NJ New York City, NY	508 141 38 8 322 56 21 0 25 21 45 25 6 45 25 1 45 25 6 45 25 6 45 25 1 45 25 51 1 74 6 31 74 53 31 74 15 53 12 15 15 15 15 15 15 11 13 14 13 14 13 14 13 14 13 14 14 14 14 14 14 14 14 14 14 14 14 14	355 79927 73241 1400 238 1,268 2048 1,268 2247 10011 4299831	115 47 7 1 10 7 10 7 0 10 10 10 10 10 10 10 10 10 10 12 5 11 396 12 5 19 12 2 3 10 3 269	23 10 2 	7 1 3 0 U 1 1 2 14 1 1 1 1	8 4 2	52 14 5 1 0 2 2 0 1 U 6 5 1 5 77 1 5 1 5 1 3 37	S. Atlantic Atlanta, GA Baltimore, MD Charlotte, NC Jacksonville, FL Miami, FL Norfolk, VA Richmond, VA Savannah, GA St. Petersburg, FL Tampa, FL Washington, D.C. Wilmington, DE E.S. Central Birmingham, AL Chattanooga, TN Knoxville, TN Lexington, KY Memphis, TN Mobile, AL Montgomery, AL Nashville, TN W.S. Central Austin, TX	1,303 124 236 117 165 93 51 62 72 55 211 100 17 927 207 207 207 207 98 117 88 146 81 53 137 1,658 68	817 71 143 76 111 63 31 47 39 137 56 603 130 75 603 130 75 603 130 75 88 84 36 85 4 36 85 4 36	337 322 666 299 333 16 18 24 199 111 52 333 4 240 53 13 34 22 48 20 111 39 424 114	74 12 15 4 9 10 - 3 2 2 10 6 1 45 14 3 4 5 8 3 2 6 120 6	41 6 10 6 5 1 2 1 1 7 2 1 1 5 2 1 1 5 2 2	34 3 2 2 2 7 3 4 3 2 2 5 3 2 2 7 3 4 4 3 2 5 3 2 2 2 3 3 2 3 9 2 3 9 2	87 5 30 9 5 4 1 2 6 7 12 2 4 77 19 9 11 4 7 7 9 5 13 8 7
Newark, NJ Paterson, NJ Philadelphia, PA Pittsburgh, PA <sup>§</sup> Reading, PA Rochester, NY Schenectady, NY Scranton, PA Syracuse, NY Trenton, NJ Utica, NY Yonkers, NY	40 13 U 34 33 139 17 31 U 28 18 15	12 7 U 26 28 109 14 27 U 20 13 12	15 3 U 6 22 22 3 U 5 4 1	6 2 U 1 3 8 1 U 2 1 2	U 1 	7 1 U 	2 U 6 2 12 2 1 U 1 3	Austin, TA Baton Rouge, LA Corpus Christi, TX Dallas, TX El Paso, TX Fort Worth, TX Houston, TX Little Rock, AR New Orleans, LA <sup>11</sup> San Antonio, TX Shreveport, LA Tulsa, OK <b>Mountain</b>	68 70 59 215 100 112 440 94 U 289 69 142 985	44 37 44 110 71 59 269 64 U 176 51 98 659	14 20 11 65 19 36 115 19 U 74 12 39 228	6 13 1 18 6 9 33 6 U 22 4 2 57	2 2 12 3 2 16 4 U 7 1 3 18	2 1 10 1 6 7 1 U 10 1 10 10 10 10 10 10 10 10	7 3 10 4 20 1 U 16 5 10 45
E.N. Central Akron, OH Canton, OH Chicago, IL Cincinnati, OH Cleveland, OH Columbus, OH Dayton, OH Detroit, MI Evansville, IN Fort Wayne, IN Gary, IN Grand Rapids, MI Indianapolis, IN Lansing, MI Milwaukee, WI Peoria, IL Rockford, IL South Bend, IN Toledo, OH Youngstown, OH <b>W.N. Central</b> Des Moines, IA Duluth, MN Kansas City, KS Kansas City, KS Kansas City, KS Kansas City, MO Lincoln, NE Minneeapolis, MN Omaha, NE St. Louis, MO St. Paul, MN	$\begin{array}{c} 1,911\\ 47\\ 47\\ 114\\ U\\ 255\\ 135\\ 185\\ 45\\ 78\\ 176\\ 45\\ 78\\ 176\\ 257\\ 76\\ 98\\ 41\\ 106\\ 66\\ 587\\ 44\\ 28\\ 23\\ 117\\ 29\\ 59\\ 91\\ 75\\ 378\\ 78\end{array}$	$\begin{array}{c} 1,254\\ 23\\ 38\\ 69\\ U\\ 175\\ 128\\ 98\\ 86\\ 355\\ 55\\ 88\\ 299\\ 159\\ 555\\ 65\\ 34\\ 411\\ 34\\ 68\\ 54\\ 377\\ 311\\ 222\\ 122\\ 122\\ 223\\ 411\\ 60\\ 299\\ 260\\ \end{array}$	$\begin{array}{c} 457\\ 15\\ 6\\ 26\\ 0\\ 49\\ 26\\ 66\\ 9\\ 9\\ 17\\ 6\\ 6\\ 69\\ 17\\ 25\\ 5\\ 12\\ 5\\ 12\\ 5\\ 28\\ 10\\ 142\\ 10\\ 5\\ 9\\ 30\\ 2\\ 11\\ 18\\ 33\\ 13\\ 11\\ \end{array}$	113 4 2 11 U 118 5 7 1 3 2 4 17 2 5 3 7 1 40 1 10 2 5 8 7 2 5	44 1 3 U 6 5 5 7 2 1 1 9 1 2 1 11 1 2 2 2 4 1 1	421   4 U 3 5 1 9   1   6 3 1 3 2   2 1   17 2 1 1 3 2 2 3 2   1	98 5 8 8 U 2 6 1 6 3 2   1 5 8 2 3 2 2 2 2 8 3 4 4 5 2 6 7 3   4	Albuquerque, NM Boise, ID Colorado Springs, CO Denver, CO Las Vegas, NV Ogden, UT Phoenix, AZ Pueblo, CO Salt Lake City, UT Tucson, AZ <b>Pacific</b> Berkeley, CA Fresno, CA Glendale, CA Honolulu, HI Long Beach, CA Los Angeles, CA Pasadena, CA Portland, OR Sacramento, CA San Diego, CA San Jose, CA San Jose, CA Santa Cruz, CA Seattle, WA Spokane, WA Tacoma, WA <b>Total**</b>	131 67 62 81 288 31 121 163 1,610 16 U 32 64 67 254 23 195 166 119 181 35 135 67 134 <b>11,296</b>	393 49 45 47 183 18 126 82 116 1,108 0 26 82 116 1,108 0 26 47 37 167 20 90 137 167 20 90 137 115 2 85 0 94 7,464	25 11 11 14 75 8 U 13 26 35 339 2 U 6 13 26 35 339 2 U 6 10 26 52 1 23 37 36 21 41 13 26 52 1 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 1 26 52 52 1 26 52 52 1 26 52 26 52 1 26 52 27 52 26 52 27 52 26 26 52 27 52 27 26 52 27 26 52 27 37 36 27 41 11 24 24 24 24 27 52 27 26 27 26 26 26 26 27 27 26 27 26 26 27 27 26 27 27 26 27 27 27 26 27 27 26 27 27 27 26 27 27 27 27 27 27 26 27 27 27 27 27 27 27 27 27 27	510 3 2 8 22 2 U 1 6 3 90 U 4 1 18 6 11 8 6 12 10 4 10 6 58 6 58 6 58 58 59 10 50 10 10 10 10 10 10 10 10 10 1	1 1 2 2 3 2 U 1 2 4 38 U U 1 2 9 2 2 5 2 4 2 1 1 1 6 <b>242</b> <b>342</b>	2232   51U   55 341U   218   1555   51   51   <b>251</b>	5 6 3 2 16 U 6 7 165 2 U 10 8 11 31 4 8 23 146 12 7 2 7 7 7

U: Unavailable. -: No reported cases.

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. <sup>†</sup> Pneumonia and influenza. <sup>§</sup> 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. <sup>¶</sup> Because of Hurricane Katrina, weekly reporting of deaths has been temporarily disrupted. \*\* Total includes unknown ages.

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