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Update: Mortality Attributable to HIV Infection Among Persons Aged 25–44 Years — United States, 1994

MORBIDITY AND MORTALITY WEEKLY REPORT

During the 1980s, human immunodeficiency virus (HIV) infection, the cause of acquired immunodeficiency syndrome (AIDS), emerged as a leading cause of death in the United States (1). In 1993, HIV infection became the most common cause of death among persons aged 25–44 years. This report updates national trends in deaths caused by HIV infection in 1994, which continue to increase.*

Provisional estimates of deaths in 1993 and 1994 were based on a 10% sample of death certificates of U.S. residents filed in all 50 states and the District of Columbia (2,3). Demographic data were reported by funeral directors, and causes of death were reported by physicians, medical examiners, or coroners and encoded according to the *International Classification of Diseases, Ninth Revision*. Underlying causes of death were classified into the categories in CDC's "List of 72 Selected Causes of Death" for ranking (2). Rates were calculated using midyear U.S. population estimates based on decennial census data compiled by the U.S. Bureau of the Census. Information on Hispanic ethnicity and races other than white and black was unavailable in the provisional mortality data; each race includes Hispanics.

In 1994, an estimated 41,930 U.S. residents died from HIV infection, a 9% increase over the estimated 38,500 in 1993; of these, 3% were aged <25 years; 72%, 25–44 years; and 25%, \geq 45 years. HIV infection was the eighth leading cause of death overall, accounting for 2% of all deaths. Among persons aged 25–44 years, HIV infection was the leading cause of death and accounted for 19% of deaths in this age group. In 1994, HIV infection became the fourth leading cause of years of potential life lost before age 65 (YPLL-65) (compared with fifth in 1993), accounting for 9% of YPLL-65 from all causes.

Among men aged 25–44 years, HIV infection was the leading cause of death for all men (23% of deaths) (Figure 1) and for white and black men (20% and 32% of deaths, respectively). HIV infection was the third leading cause of death for all women in this age group (11% of deaths) (Figure 2), the fifth leading cause for white women (6% of deaths), and the leading cause for black women (22% of deaths).

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^{*}Single copies of this report will be available until February 16, 1997, from the CDC National AIDS Clearinghouse, P.O. Box 6003, Rockville, MD 20849-6003; telephone (800) 458-5231 or (301) 217-0023.

Mortality Attributable to HIV Infection — Continued





*Per 100,000 population.

[†]National vital statistics based on underlying cause of death, using final data for 1982–1992 and provisional data for 1993–1994.

In 1994, the death rate from HIV infection per 100,000 population among persons aged 25–44 years was almost four times as high for black men (177.9) as for white men (47.2) and nine times as high for black women (51.2) as for white women (5.7). Compared with 1993, the rate for white men in 1994 was similar (47.5 and 47.2, respectively), and rates for the three other sex-racial groups continued to increase: the percentage increase was 13% for black men, 28% for black women, and 30% for white women (Figure 3).

Reported by: Surveillance Br, Div of HIV/AIDS Prevention, National Center for Prevention Svcs; Mortality Statistics Br, Div of Vital Statistics, National Center for Health Statistics, CDC.

Editorial Note: This analysis of provisional mortality data for 1993 and 1994 indicates a continuing increase in HIV infection as a leading cause of death in the United States, particularly among persons aged 25–44 years. Among persons in this age group, HIV infection became the most common cause of death for black men in 1991, for all men (all racial/ethnic groups combined) in 1992, and for white men in 1994. HIV became the third leading cause of death among women in this age group in 1994. In addition, as reflected by YPLL-65, HIV infection has become a leading cause of premature mortality.

Because this analysis was based on the underlying cause of death recorded on death certificates, the findings in this report probably underestimate the impact of HIV infection on mortality in the United States. Previous studies have indicated that, Mortality Attributable to HIV Infection — Continued





*Per 100,000 population.

[†]National vital statistics based on underlying cause of death, using final data for 1982–1992 and provisional data for 1993–1994.

among persons aged 25–44 years, deaths for which HIV infection was designated the underlying cause represent approximately two thirds to three fourths of all deaths attributable to HIV infection (4,5). The estimated number of death certificates with any mention of HIV infection (i.e., underlying or nonunderlying cause) in 1994 was 48,000 (CDC, unpublished data, 1995), compared with the approximately 42,000 on which HIV was listed as an underlying cause. Based on survival analysis of cases reported to CDC through the AIDS surveillance system—which includes other sources in addition to data from death certificates—and the completeness of reporting of AIDS cases and of deaths, an estimated 55,000 to 60,000 persons with AIDS died in 1994 (CDC, unpublished data, 1995).

Trends in HIV-related mortality reflect changes in the demographic patterns of the HIV epidemic. For example, from 1993 to 1994, the death rate for HIV infection for white men aged 25–44 years did not change, and rates for women and black men increased; in 1994, the rate for black women aged 25–44 years surpassed that for white men in that age group. The increasing death rate for women affects the care of their children: the estimated 80,000 HIV-infected women of childbearing age who were alive in 1992 will leave approximately 125,000 to 150,000 children when they die during the 1990s (*6*). Racial differences in death rates for HIV infection probably reflect social, economic, behavioral, and other factors associated with HIV transmission risks.

Mortality Attributable to HIV Infection — Continued





*Per 100,000 population.

[†]National vital statistics based on underlying cause of death, using final data for 1982–1992 and provisional data for 1993–1994.

[§]Data were unavailable for races other than white and black.

Such factors are being addressed through prevention efforts designed to meet the needs of specific communities (7).

Because of the prolonged period from initial HIV infection to onset of severe HIV disease (AIDS) (8), recent trends in HIV-related mortality reflect trends in HIV transmission several years earlier. Similarly, trends in HIV-related mortality in several years will indicate, in part, the effectiveness of current efforts to prevent HIV infection. Despite recent increases in HIV-related mortality, decreases in the percentages of HIV-related deaths resulting from particular opportunistic infections (pneumocystosis, cryptococcosis, and candidiasis) (9) suggest some success in the treatment and prevention of opportunistic infections resulting from HIV infection and underscore the importance of following recently published guidelines for preventing HIV-related opportunistic infections (10).

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Accessibility of Tobacco Products to Youths Aged 12–17 Years — United States, 1989 and 1993

Although the sale of tobacco products to minors is illegal in all states and the District of Columbia (1), the prevalence of cigarette smoking among adolescents has continued to increase (2), and most minors are able to purchase tobacco products (3). Reducing sales to minors is believed to be an effective measure for reducing the prevalence of tobacco use (4). To determine recent patterns of minors' access to tobacco products from retail outlets and vending machines, data were analyzed from the 1989 and 1993 Teenage Attitudes and Practices surveys (TAPS I and TAPS II). This report summarizes the results of that analysis, which indicate that most minors who use tobacco purchase their own tobacco and that small stores are the sources of most purchases.

Samples for both TAPS I and II were drawn from households that participated in the National Health Interview Survey (NHIS), a continuing nationwide household survey that collects information from a representative sample of the U.S. civilian, noninstitutionalized population aged ≥18 years. Both TAPS I and II collected information on adolescents' knowledge, attitudes, and practices regarding tobacco use. TAPS I data were collected by telephone interviews; TAPS II data were collected by telephone and personal interviews and included both a new probability sample and a follow-up of respondents from TAPS I. Data for persons aged 12–17 years in each survey were analyzed (n=7773 for TAPS I; n=6165 for TAPS II) and weighted to provide national estimates. SUDAAN was used to calculate standard errors for determining 95% confidence intervals (CIs) and to perform multivariate logistic regression analyses of TAPS II data; simultaneous adjustments were made for age, sex, race/ethnicity, and region of the country. Differences between TAPS I and TAPS II for selected estimates were assessed by using the Generalized Estimating Equations software (5). Adjustments were made for subject correlation and age.

Accessibility of Tobacco Products — Continued

Adolescents in both TAPS I and II who were current smokers were asked about purchase practices, and all respondents were asked about perceived ease of purchase (6). In TAPS II, adolescents who usually bought, ever bought, or ever tried to buy their own cigarettes were asked, "Have you ever been asked to show proof of age when buying/trying to buy cigarettes?" With the exception of questions regarding purchase from vending machines, similar questions were asked of TAPS II adolescents regarding the purchase of smokeless tobacco (SLT) products. Data were analyzed by race/ethnicity because, after controlling for sociodemographic differences, the prevalence of cigarette smoking is higher among minors in some racial/ethnic groups (3).

The overall percentage of smokers aged 12–17 years who usually bought their own cigarettes was higher in 1993 than in 1989 (Table 1). In 1993, minors residing in the

		1989)		199	93	% Point	
Characteristic	No.	(%)	(95% CI¶)	No.	(%)	(95% CI)	change 1989 to 1993	
Age (yrs)								
12–15	439	(45.4)	(± 4.9%)	264	(52.4)	(± 6.3%)	+ 7.0	
16–17	559	(66.6)	(± 4.1%)	446	(69.1)	(± 4.3%)	+ 2.5	
Sex								
Male	521	(59.6)	(± 4.5%)	367	(63.6)	(± 4.8%)	+ 4.0	
Female	477	(55.3)	(± 4.8%)	343	(60.5)	(± 5.7%)	+ 5.2	
Race**								
White	914	(58.7)	(± 3.3%)	639	(62.1)	(± 4.0%)	+ 3.4	
Black	64	(43.3)	(±11.5%)	52	(64.1)	(±14.3%)	+20.8	
Ethnicity ^{††}								
Hispanic	68	(41.3)	(±12.8%)	56	(59.1)	(±13.8%)	+17.8	
Non-Hispanic	924	(59.0)	(± 3.3%)	654	(62.4)	(± 3.9%)	+ 3.4	
Region ^{§§}								
Northeast	218	(58.8)	(± 6.8%)	146	(68.4)	(± 8.4%)	+ 9.6	
Midwest	275	(55.0)	(± 5.5%)	225	(61.6)	(± 6.2%)	+ 6.6	
South	305	(61.5)	(± 5.9%)	201	(66.2)	(± 6.2%)	+ 4.7	
West	200	(53.6)	(± 7.6%)	138	(50.9)	(± 9.4%)	- 2.7	
Total	998	(57.5)	(± 3.2%)	710	(61.9)	(æ 3.9%)	+ 4.4¶¶	

TABLE 1. Percentage of smokers* aged 12–17 years [†] who usually bought their ow	/n
cigarettes in 1989 and 1993, by selected characteristics — United States, Teenag	je
Attitudes and Practices Surveys I and II, 1989 [§] and 1993 [§]	

* Youths who reported smoking at least one cigarette during the 30 days preceding the survey. [†]As of November 1, 1989, or March 15, 1993.

[§]Prevalence estimates were calculated from weighted data.

[¶]Confidence interval.

** Excludes 39 persons of other, multiple, and unknown races because numbers were too small to calculate precise estimates.

^{††}Excludes six persons with unknown Hispanic origin.

^{§§}Northeast=Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; Midwest=Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; South=Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; West=Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

In the log odds ratio for the change in the overall prevalence of "bought own cigarettes" from 1989 to 1993 estimated using the Generalized Estimating Equations software is 0.21 (odds ratio=1.2). This log odds ratio was significantly different than zero at the 0.05 level. The logistic model used to calculate the above included age as a covariate.

Accessibility of Tobacco Products — Continued

Northeast (adjusted odds ratio [AOR]=2.2; 95% CI=1.2–3.8) and South (AOR=1.8; 95% CI=1.1–3.0) were more likely than minors residing in the West to report they usually bought their own cigarettes.* In addition to the 61.9% of U.S. smokers aged 12–17 years who usually bought their own cigarettes in 1993, 15.5% reported they ever (but not usually) had bought cigarettes, and 2.3% reported they ever had tried unsuccessfully to buy their own cigarettes.

Among minors aged 12–17 years who usually bought their own cigarettes, 14.6% in 1989 and 12.7% in 1993 often or sometimes bought their cigarettes from vending machines; 49.6% in 1989 and 36.8% in 1993 often or sometimes bought from large stores; and 84.6% in 1989 and 88.5% in 1993 often or sometimes bought from small stores (Table 2). In 1993, minors aged 12–15 years were more likely than those aged 16–17 years (AOR=2.1; 95% Cl=1.1–4.3) to often or sometimes use vending machines; those aged 12–15 years were less likely than those aged 16–17 years to often or sometimes buy their cigarettes from small stores (AOR=0.5; 95% Cl=0.4–0.7).

In 1993, 55.3% (95% CI=51.0%–59.6%) of minors aged 12–17 years reported ever having been asked to show proof of age when buying or trying to buy cigarettes. Blacks (AOR=0.4; 95% CI=0.2–0.9) were less likely than whites to ever have been asked for proof of age, and Hispanics (AOR=0.3; 95% CI=0.1–0.6) were less likely than non-Hispanics to ever have been asked for proof of age.[†] Minors residing in the Northeast (AOR=0.4; 95% CI=0.2–0.7) or in the Midwest (AOR=0.4; 95% CI=0.2–0.8) were less likely than minors residing in the West to ever have been asked for proof of age.

In 1993, among minors aged 12–17 years who never had smoked a cigarette, 44.6% (95% Cl=42.8%–46.3%) believed it would be easy for them to buy cigarettes, including 34.4% (95% Cl=32.4%–36.3%) of minors aged 12–15 years and 76.4% (95% Cl=73.8%–79.0%) of minors aged 16–17 years. In 1993, 51.7% (95% Cl=43.9%–59.5%) of minors aged 12–17 years who had used SLT on one or more of the 30 days preceding the survey usually purchased their own SLT; 18.3% of SLT users in 1993 ever (but not usually) had bought their own SLT, and 3.1% ever had tried unsuccessfully to buy SLT. Among minors aged 12–17 years who usually bought their own SLT, 82.1% (95% Cl=74.2%–90.0%) often or sometimes bought from small stores, and 40.5% (95% Cl=33.3%–47.9%) often or sometimes bought from large stores. In 1993, 43.2% (95% Cl=34.4%–52.0%) of minors aged 12–17 years reported ever having been asked to show proof of age when buying or trying to buy SLT. Among males aged 12–17 years who had never used SLT in 1993, 39.0% (95% Cl=36.7%–41.4%) believed it would be easy for them to buy SLT, including 28.1% (95% Cl=25.6%–30.7%) of minors aged 12–15 years.

Reported by: Office on Smoking and Health, National Center for Chronic Disease Prevention and Health Promotion, CDC.

Editorial Note: The findings in this report are consistent with previous documentation of the ease with which minors can purchase tobacco products over the counter and

^{*}Northeast=Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; Midwest=Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; South=Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; West=Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

[†]Numbers for other racial/ethnic groups were too small to calculate precise estimates.

Accessibility of Tobacco Products — Continued

TABLE 2. Percentage of smokers* aged 12–17 years[†] who usually bought their own cigarettes and who often/sometimes purchased cigarettes from a vending machine, large store, or small store, by selected characteristics — United States, Teenage Attitudes and Practices Survey, 1989[§] and 1993[§]

	Ve	nding	machine		Large	e store	Small store			
Characteristic	1989	1993	% Point change 1989 to 1993	1989	1993	% Point change 1989 to 1993	1989	1993	% Point change 1989 to 1993	
Age (yrs) 12–15 16–17	20 12	18 10	- 2.0 - 2.3	41 54	36 37	- 4.9 -17.2	79 87	83 92	+3.5 +4.7	
Sex Male Female	18 11	12 13	- 5.8 + 2.3	51 49	36 38	-15.0 -10.9	82 88	90 88	+8.3 -0.5	
Region[¶] Northeast Midwest South West	15 20 12 11	18 8 15 9	+ 3.3 -12.2 + 2.3 - 1.8	50 51 50 47	30 33 44 37	-20.1 -17.5 - 6.2 -10.3	84 89 85 80	88 88 90 88	+3.8 -0.8 +5.6 +8.8	
Total	15	13	- 1.9	50	37	-12.8	85	89	+3.9**	

* Youths who reported smoking at least one cigarette during the 30 days preceding the survey. [†]As of November 1, 1989, or March 15, 1993.

[§]Prevalence estimates were calculated from weighted data.

INortheast=Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; Midwest=Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; South=Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; West=Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
** The log odds ratio (LOR) for the change in the overall prevalence from 1989 to 1993 using the Generalized Estimating Equations software was calculated for those who usually bought their own cigarettes and who often/sometimes purchased cigarettes from a vending machine (LOR=0.17; odds ratio [OR]=1.18), large store (LOR=0.51; OR=1.67), or small store (LOR=0.34; OR=1.40). The LORs were significantly different than zero at the 0.01 level for large stores and at the 0.05 level for small stores. The logistic model used to calculate the above included age as a covariate.

from vending machines and of the more frequent use of vending machines by younger adolescents (3). In surveys of tobacco outlets using unannounced over-thecounter purchase attempts by minors, purchase rates were usually highest in small stores and gas stations (3). In addition, previous studies using self-reported surveys of minors' tobacco use indicate that these locations are the most common source of purchased cigarettes by minors (3,6).

Differences in access among racial/ethnic groups may be influenced by differences in socioeconomic status and by racial and cultural phenomena. The substantial race/ethnicity-specific differences for some of the variables in this analysis indicate the need to examine factors including attitudes of vendors, enforcement practices, and community norms.

Vendors' requiring proof of age is an important method of preventing tobacco sales to minors (*3,4*; CDC, unpublished data, 1994). Widespread adherence to laws requiring age verification should assist substantially in preventing tobacco sales to minors.

Accessibility of Tobacco Products — Continued

However, in 1993, approximately half of minors who ever had attempted to purchase their own tobacco products reported they never had been asked to show proof of age.

The findings in this report are subject to at least two limitations. First, TAPS II may be associated with nonresponse bias; for example, TAPS I respondents who were followed up in TAPS II were less likely to be smokers in 1989 than were those who could not be reinterviewed, possibly contributing to the lower smoking prevalence estimates in TAPS II when compared with other national surveys (CDC, unpublished data, 1993). Second, because the information was collected during telephone and personal interviews, young persons may have been reluctant to disclose tobacco-related behavior when a parent was in the household during the interview (*3*).

Although all states have enacted youth access laws, enforcement of these laws varies and needs to be strengthened. In 1994, enforcement activities were maintained only in 24 (44%) states and territories (7). Federal regulations now require states to develop a strategy and a time frame for achieving an inspection failure rate of \leq 20% (8).

The establishment and enforcement of laws that prohibit sales to minors are consistent with and reinforce existing social norms (4). One of the national health objectives for the year 2000 is to enforce laws to reduce the sales rate observed during compliance checks to 20% (objective 3.13) (9). In the United States, approximately 70% of purchase attempts made by minors are successful (3).

In August 1995, the Food and Drug Administration proposed regulations that could reduce for minors both access to and the appeal of nicotine-containing cigarettes and SLT products (10). The regulations would 1) require retailers to verify the age of persons who want to purchase cigarettes or SLT products; 2) eliminate "impersonal" methods of sale and distribution that do not readily allow age verifications (e.g., mail orders, self-service displays, free samples, and vending machines), 3) limit advertising to which minors may be exposed to a text-only format; 4) ban outdoor advertising of tobacco products within 1000 feet of schools and playgrounds; 5) prohibit the sale or distribution of brand-identifiable nontobacco items and services; and 6) prohibit the sponsorship of events in the brand name. FDA is reviewing public comments on the proposed regulations.

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Postnatal Causes of Developmental Disabilities in Children Aged 3–10 Years — Atlanta, Georgia, 1991

Primary prevention of developmental disabilities requires knowledge of the specific causes of these conditions. Postnatal causes account for 3%–15% of all developmental disabilities and often are preventable (1). To assess the prevalence and determine the specific etiology of postnatally acquired developmental disabilities, CDC analyzed data from its ongoing Metropolitan Atlanta Developmental Disabilities Surveillance Program (MADDSP) for 1991 (the most recent year for which complete data were available). This report summarizes the findings of the analysis, which indicate that bacterial meningitis and child battering were the leading postnatal causes of developmental disabilities and that children with postnatally acquired developmental disabilities had a higher average number of disabilities than all other children with developmental disabilities.

MADDSP identifies all children aged 3–10 years residing in five counties of metropolitan Atlanta (Clayton, Cobb, DeKalb, Fulton, and Gwinnett [total 1990 estimated population of children aged 3–10 years: 252,377]) with any of four developmental disabilities: cerebral palsy, mental retardation, moderate-to-severe hearing impairment, and moderate-to-severe vision impairment. Children with these conditions are identified through a systematic review of records at public schools, hospitals, and other public or private programs for children with disabilities. Detailed information about the underlying cause associated with each developmental disability is abstracted for all children identified with a developmental disability. For this analysis, a developmental pediatrician reviewed all abstracted information to determine whether children had a disability with a postnatal cause. A postnatal cause was defined as any event that occurred from age 30 days through 10 years.

Of the 2685 children identified with a developmental disability in 1991, a total of 122 (4.5%) had at least one with a postnatal cause (Table 1); overall, these children had a total of 186 postnatally acquired developmental disabilities (Table 2). No children had more than one postnatal cause for their disability. The percentages of developmental disabilities accounted for by postnatal causes ranged from 3.5% (mental retardation) to 12.4% (hearing impairment).

The most common postnatal causes of developmental disability were bacterial meningitis and child battering, which accounted for 57 (30.6%) and 27 (14.5%) postnatally acquired developmental disabilities, respectively (Table 2). The highest average number of disabilities per affected child was in those who had a developmental

Developmental Disabilities — Continued

	Postnat	al causes	All c	auses	% DDs with
Type of DD	No.	Rate	No.	Rate	postnatal causes
Cerebral palsy	58	0.2	599	2.4	9.7
Mental retardation	77	0.3	2193	8.7	3.5
Hearing impairment (moderate to severe)	35	0.1	283	1.1	12.4
(moderate to severe)	17	<0.1	209	0.8	7.7
Total	122	0.5	2685	10.6	4.5

TABLE 1. Prevalence rate* of developmental disabilities (DDs) among children aged 3–10 years, by type of developmental disability — Atlanta, Georgia, Metropolitan Atlanta Developmental Disabilities Surveillance Program, 1991[†]

*Per 1000 children aged 3-10 years.

[†]Disability groups are not mutually exclusive; therefore, a child can be represented in more than one disability group.

disability caused by a near-drowning incident (2.3). Stroke, child battering, bacterial meningitis, and motor-vehicle crashes also accounted for high average numbers of developmental disabilities per affected child (1.9, 1.8, 1.8, and 1.7, respectively). Of the three major etiologic groupings analyzed (infectious diseases, chronic diseases, and injuries), injuries accounted for the greatest proportion of postnatal cases of each developmental disability except hearing impairment.

To assess the severity of different types of developmental disabilities, the number of developmental disabilities in children with such conditions attributable to a postnatal cause was compared with the number in those with such conditions attributable to other causes. The prevalence of two or more developmental disabilities was more than twofold higher among children with postnatally acquired developmental disabilities than those with developmental disabilities attributable to other causes (42.6% versus 17.0%) (Table 3).

Reported by: Developmental Disabilities Br, Div of Birth Defects and Developmental Disabilities, National Center for Environmental Health, CDC.

Editorial Note: This analysis of MADDSP data identified distinct causes for the four postnatally acquired developmental disabilities analyzed, most of which are preventable. Among children in metropolitan Atlanta, the proportions of developmental disabilities attributable to postnatal causes are consistent with previous studies (1-4). In addition, the MADDSP data indicate that children with a postnatally acquired developmental disabilities were more likely to have multiple disabilities than other children identified with developmental disabilities, suggesting that postnatally acquired developmental disabilities have a greater impact on a child's health status than other developmental disabilities.

In metropolitan Atlanta, of the specific causes of postnatally acquired developmental disabilities, bacterial meningitis caused the greatest number of those disabilities, and *Haemophilus influenzae* serotype b (Hib) accounted for 47% of meningitis-related developmental disabilities. Hib vaccine was licensed for use in infants in the United States in 1990 and has been distributed widely (5); however, the 1991 MADDSP data include information about children born during 1981–1988 (before the vaccine became available). The continued identification of Hib cases by MADDSP should prompt intensification of prevention programs.

	Cereb	oral palsy	Mental retardation		Hearing impairment		Vision impairment		Total PADDs		۲ ch	otal ildren	Average no. PADDs per
Cause	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	child
Infectious disease Bacterial meningitis [†] Otitis media Encephalitis Total	18 0 0 20	(31.0) (34.5)	23 0 2 27	(29.9) (2.6) (35.1)	11 21 0 34	(31.4) (60.0) (97.1)	5 0 5	(31.3) (31.3)	57 21 2 86	(30.6) (11.3) (1.1) (46.2)	32 21 2 58	(26.2) (17.2) (1.6) (47.5)	1.8 1.0 1.0 1.5
Chronic disease Stroke [§] Brain tumor Total	8 0 8	(13.8) (13.8)	5 1 7	(6.5) (1.3) (9.1)	0 0 0	_	2 2¶ 4	(12.5) (12.5) (25.0)	15 3 19	(8.1) (1.6) (10.2)	8 3 12	(6.6) (2.5) (9.8)	1.9 1.0 1.6
Injury Child battering Near drowning Motor-vehicle crash Hit by motor vehicle Fall Total	10 3 6 3 2 30	(17.2) (5.2) (10.3) (5.2) (3.4) (51.7)	14 3 7 6 43	(18.2) (3.9) (3.9) (9.1) (7.8) (55.8)	0 0 1 0 1	(2.9) (2.9)	3 1 0 0 7	(18.8) (6.3) (6.3) <u>—</u> (43.8)	27 7 10 11 8 81	(14.5) (3.8) (5.4) (5.9) (4.3) (43.5)	15 3 6 8 7 52	(12.3) (2.5) (4.9) (6.6) (5.7) (42.6)	1.8 2.3 1.7 1.4 1.1 1.6
Total	58	(100.0)	77	(100.0)	35	(100.0)	16	(100.0)	186	(100.0)	122	(100.0)	1.5

*Etiologic events with only one attributable case and "not otherwise specified" head injuries were excluded from the table by cause but are included in overall totals. Disability groups are not mutually exclusive. [†]Of the 57 total disabilities in the 32 children who had had meningitis, *Haemophilus influenzae* serotype b caused 27 of the disabilities

in 15 children.

[§]Of the 15 total disabilities in the eight children who had stroke, sickle cell anemia caused nine disabilities in five children. Includes one case of pseudotumor cerebri and one case of tumor on the optic chiasm.

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Disabilitie Continued

Developmental Disabilities - Continued

	Etiology												
	Pos	stnatal	C	Other	Total								
No. DDs	No.	(%)	No.	(%)	No.	(%)							
One	70	(57.4)	2127	(83.0)	2197	(81.8)							
Two	40	(32.8)	340	(13.3)	380	(14.2)							
Three to four	12	(9.8)	96	(3.7)	108	(4.0)							
Total	122	(100.0)	2563	(100.0)	2685	(100.0)							
Average no. DDs per child		1.5		1.2		1.2							

TABLE 3. Number and percentage of children aged 3–10 years with developmental disabilities (DDs), by number of disabilities and etiology — Atlanta, Georgia, Metropolitan Atlanta Developmental Disabilities Surveillance Program, 1991

Child battering, including shaken baby syndrome, accounted for the second largest number of postnatally acquired developmental disabilities and a high average number of developmental disabilities for each affected child. The reported number of child battering cases is probably an underestimate because of the inability of the medical delivery system to identify all cases of abuse. Developmental disabilities caused by other types of injuries may be reduced through intensified implementation of existing prevention efforts (e.g., mandatory restraint systems for infants and toddlers to reduce the severity of motor-vehicle crash-related injuries). The detection of five children with postnatally acquired developmental disabilities associated with sickle cell anemia underscores the need for increased awareness about the severity of the consequences of sickle cell disease and the role of transfusion therapy for preventing recurrent stroke among children with this disease (*6*).

The reported percentage of postnatally acquired developmental disabilities most likely underrepresents the actual percentage of such cases. Although the MADDSP methodology included a comprehensive review of records from multiple sources in a population-based setting, the cause was defined as "other than postnatal" when etiologic information was confusing, conflicting, or missing. In addition, postnatal events for which the causal link was more difficult to establish in individual cases (e.g., poor nutrition or an impoverished social environment [7]) were not included in this analysis.

Surveillance for developmental disabilities should include information about the specific underlying cause(s). Because most postnatally acquired developmental disabilities are potentially preventable, knowledge of specific causes can be used to design cause-specific interventions. Surveillance systems such as MADDSP provide a population-based method for monitoring trends in disability causation and the effectiveness of intervention programs. MADDSP can be adapted for monitoring trends in other cities or states.

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Developmental Disabilities — Continued

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Update: Influenza Activity — United States, 1995–96 Season

Influenza activity in the United States increased from late October through mid- to late December 1995. Although activity began to decline during January 1996, for the week ending February 3, a total of 19 states reported continuing regional or wide-spread activity*. Influenza type A(H1N1) predominated in all regions except the Mountain, Pacific, and New England regions, where type A(H3N2) predominated. Influenza type B accounted for only 1% of all isolates nationwide.

As of February 3, 1996, of the 19,520 specimens submitted to World Health Organization collaborating laboratories in the United States for respiratory virus testing, 2965 (15%) have been positive for influenza virus: 2925 (99%) were influenza type A, and 40 (1%) were influenza type B. Of the 1803 type A isolates that have been subtyped, 1188 (66%) were type A(H1N1) and 615 (34%) were type A(H3N2). In six of the nine regions in the United States, influenza type A(H1N1) has accounted for from 64% to 89% of subtyped influenza type A strains. In the Mountain, Pacific, and New England regions, influenza type A(H1N1) has circulated at lower levels, accounting for 41%, 46%, and 48% of subtyped influenza A strains, respectively.

Regional influenza activity was first reported the week ending October 28, 1995. The number of states reporting regional or widespread activity increased each week from November 5 through December 23, 1995, peaking at 35 states the first week of January 1996. Most outbreaks reported by states to CDC were among school-aged children. Some outbreaks among elderly persons in nursing homes also were reported.

The proportion of patients with influenza-like illness (ILI) who visited 150 U.S. sentinel physicians began to increase the week ending December 16; this increase continued through December, with a peak of 7% of total office visits during the week ending December 30. During January, the proportion of patients with ILI began to decline, reaching 3% by the week ending January 20.

The proportion of deaths attributed to pneumonia and influenza (P&I) reported from 121 U.S. cities exceeded the epidemic threshold[†] by a small margin during three

^{*}Levels of activity are 1) *sporadic*—sporadically occurring influenza-like illness (ILI) or cultureconfirmed influenza with no outbreaks detected; 2) *regional*—outbreaks of ILI or cultureconfirmed influenza in counties with a combined population of <50% of the state's total population; and 3) *widespread*—outbreaks of ILI or culture-confirmed influenza in counties having a combined population of ≥50% of the state's total population.

[†]The epidemic threshold is 1.645 standard deviations above the seasonal baseline calculated using a periodic regression model applied to observed percentages since 1983. The baseline was calculated using a robust regression procedure.

Influenza Activity — Continued

of the eight weeks from October 29 through December 23, 1995. The proportion of P&I deaths increased from the week ending December 30 through the week ending January 20 and began to decline the week ending January 27, but remained above the epidemic threshold (Figure 1).

Reported by: Participating state and territorial epidemiologists and state public health laboratory directors. World Health Organization collaborating laboratories. Sentinel Physicians Influenza Surveillance System of the American Academy of Family Physicians. Influenza Br and WHO Collaborating Center for Surveillance, Epidemiology, and Control of Influenza, Div of Viral and Rickettsial Diseases, National Center for Infectious Diseases, CDC.

Editorial Note: Although influenza activity in the United States peaked during late December 1995, influenza viruses have continued to circulate through early February 1996. The occurrence of a high proportion of reported outbreaks among school-aged children is consistent with patterns during previous influenza seasons when type A(H1N1) viruses have predominated. Influenza A(H1N1) outbreaks among children and younger adults can be associated with high absenteeism in schools and workplaces, and severe secondary medical complications in a small proportion of influenza among younger children is substantially higher than usual. Influenza type A(H1N1) has not predominated in the United States since the 1986–87 season, and has circulated at low levels since 1989. As a consequence, a high proportion of children born in





*The epidemic threshold is 1.645 standard deviations above the seasonal baseline calculated using a periodic regression model applied to observed percentages since 1983. The baseline was calculated using a robust regression procedure.

Influenza Activity — Continued

the United States since the late 1980s would not be expected to have been exposed to type A(H1N1) viruses before this influenza season.

Despite the ability of type A(H1N1) to cause widespread outbreaks, since 1977 when type A(H1N1) viruses reemerged after an absence of 20 years—this strain has not been associated with substantial morbidity among older adults nor with excess mortality. In comparison, type A(H3N2) viruses, which emerged in 1968, more commonly have been associated with excess mortality, >90% of which has occurred among persons aged \geq 65 years. Epidemics of influenza type B also have been associated with excess mortality (*1,2*). Although the contribution of type A(H1N1) and type A(H3N2) viruses to the excess P&I mortality this influenza season cannot be assessed precisely, observations during previous influenza seasons strongly suggest that most of these deaths were caused by type A(H3N2) viruses.

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FIGURE I. Selected notifiable disease reports, comparison of 4-week totals ending February 10, 1996, with historical data — United States

* The large apparent decrease in the number of reported cases of measles (total) reflects dramatic fluctuations in the historical baseline. (Ratio [log scale] for week 6 measles [total] is 0.020747.)
[†] 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.

	Cum. 1996		Cum. 1996
Anthrax Brucellosis Cholera Congenital rubella syndrome Cryptosporidiosis* Diphtheria Encephalitis: California* eastern equine*	- 5 - 92 1 -	HIV infection, pediatric* [§] Plague Poliomyelitis, paralytic [¶] Psittacosis Rabies, human Rocky Mountain spotted fever (RMSF) Streptococcal toxic-shock syndrome* Syphilis, congenital**	26 - - 2 - 5 -
St. Louis ^{*'} western equine* Hansen Disease Hantavirus pulmonary syndrome* [†]	- - 6 -	Tetanus Toxic-shock syndrome Trichinosis Typhoid fever	- 14 3 13

TABLE I. Summary — cases of selected notifiable diseases, United States, cumulative, week ending February 10, 1996 (6th Week)

*Not notifiable in all states.

¹ Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID). ⁵ Updated monthly to the Division of HIV/AIDS Prevention, National Center for Prevention Services (NCPS), last update Jan-² uary 30, 1996.

[¶]No suspected cases of polio reported for 1996.

** Updated quarterly from reports to the Division of STD Prevention, NCPS. First quarter 1996 is not yet available.

-: no reported cases

	AID)S*	Chlamvdia	Esche coli O	erichia 157:H7 PHLIS [§]	Gono	rrhea	Hepa C/N	atitis A.NB	Legior	ellosis
Reporting Area	Cum. 1996	Cum. 1995	Cum. 1996	Cum. 1996	Cum. 1996	Cum. 1996	Cum. 1995	Cum. 1996	Cum. 1995	Cum. 1996	Cum. 1995
UNITED STATES	4,357	7,085	15,215	64	13	27,817	45,776	272	353	71	114
NEW ENGLAND	208	398	1,106	11	2	755	750	5	5	3	-
Maine N H	7	15 5	- 69	1	- 1	3 13	7 15	-	-	-	-
Vt.	-	-	-	2	1	13	2	2	-	-	-
Mass. B.L	135 9	282 9	787 250	4	-	293 61	401 52	3	5	2	-
Conn.	54	87	-	1	-	372	273	-	-	Ň	Ν
MID. ATLANTIC	1,235	1,817	870	4	3	690	5,368	17	32	8	13
N.Y. City	696	922	N -	3	3	-	920 1.923	15	14	2	2
N.J.	244	439	870	-	-	234	380	-	12	-	4
	13/	229	-	N 11	-	456	2,145	20	5	0	6 49
Ohio	4 19 143	31	4,412	8	-	5,522 432	9,770 3,143	2	37	15	48 19
Ind.	50	77	1,027	2	-	941	934	-	-	6	7
ni. Mich.	37	245 133	2,526	-	- 1	2,226 1,767	2,304 2,544	37	22	10	5
Wis.	33	29	211	Ν	-	156	845	-	-	-	7
W.N. CENTRAL	145	165	1,570	8	3	1,442	2,625	29	8	1	11
lowa	17	25 14	-	2	1	-	398 184	28	2	- 1	2
Mo.	53	97	1,091	-	-	1,081	1,504	1	3	-	9
S. Dak.	2	-	- 91	-	-	- 12	- 17	-	- 1	-	-
Nebr.	15	20	388	-	-	57	124	-	1	-	-
	38	1 259	- 1 759	4	-	292	12 926	- 16	1 22	- 10	- 25
Del.	32	30	4,750	-	-	12,057	260	-	-	-	- 25
Md.	69	178	445 N	Ν	-	1,458	1,775	-	1	1	6
Va.	36	162	1,353	N	-	1,119	1,397	- 1	-	2	-
W. Va.	7	4	-	N	-	45	73	3	6	1	3
S.C.	13	73	-	3 1	-	2,253 1,649	3,046 1,538	4	1	3 1	2
Ga.	215	234	699	1	-	2,778	2,551	- 7	1	-	4
FIA.	443	133	2,201	- 3	-	2,007	2,410 5 17/	/	0 1/18	a I	3 1
Ky.	43	7		-	-	506	602	-	2	2	1
Tenn.	56 35	73	903	N 1	-	1,001	1,209	-	145	3	1
Miss.	18	18	6	2	-	60	1,065	-	-	4	1
W.S. CENTRAL	495	750	-	3	-	1,257	3,626	53	6	-	1
Ark.	19 113	20 130	-	2 N	-	292 965	392 1 472	- 6	-	-	-
Okla.	1	36	-	1	-	-	58	42	4	-	1
Tex.	362	564	-	-	-	-	1,704	5	2	-	-
MOUNTAIN Mont.	120	205 7	4/0	6	-	/0/	951 15	65 3	33	- 3	8
Idaho	1	5	153	2	-	9	14	26	5	-	1
vvyo. Colo.	- 54	75	- 69	2	-	б 234	6 310	13	15	- 3	- 1
N. Mex.	8	7	-	-	-	108	145	11	-	-	-
Arız. Utah	37 17	38 5	- 68	N 1	-	271 26	275 23	4	2	-	1 2
Nev.	1	67	180	1	-	51	163	-	-	-	2
PACIFIC	703	1,744	1,120	10	4	2,213	3,676	48	62	6	4
Vvasn. Oreg.	65 48	91 59	1,059	4	4	300	306	3	3 4	-	-
Calif.	580	1,536	-	3	-	1,833	3,155	24	48	6	2
Hawaii	3 7	40	61	N	-	53 18	66	18	- 7	-	2
Guam	-	-	-	Ν	-	-	11	-	-	-	-
P.R.	255	62	N	N	U	18	75	3	7	-	-
Amer. Samoa	-	-	IN -	N	Ŭ	-	4	-	-	-	-
C.N.M.I.	-	-	N	N	U	-	4	-	-	-	-

TABLE II. Cases of selected notifiable diseases, United States, weeks endingFebruary 10, 1996, and February 11, 1995 (6th Week)

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

*Updated monthly to the Division of HIV/AIDS Prevention, National Center for Prevention Services, last update January 30, 1996. [†]National Electronic Telecommunications System for Surveillance. [§]Public Health Laboratory Information System.

	Lyı Dise	ne ease	Mal	Malaria		ococcal ase	Syp (Primary &	hilis Secondary)	Tuberc	ulosis	s Rabies, Animal	
Reporting Area	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.
	182	375	72	93	414	340	991	1,784	925	1.237	297	605
NEW ENGLAND Maine	19	11	3	3	18	24 2	18	24	27 4	21	52	163
N.H.	-	-	-	-	1	6	-	1	-	-	5	22
Mass.	4	- 1	2	-	4	7	- 8	9	3	- 7	10	83
R.I. Conn	10 5	- 10	-	2	-7	- 8	- 10	- 14	7 13	6 8	8 16	-
MID. ATLANTIC	144	286	16	19	, 20	35	20	130	65	146	34	158
Upstate N.Y.	10	42	2	2	2	12	-	13	-	19	18	96
N.Y. City N.J.	97	27 52	- 13	7	5	6 11	6	89 15	20 32	49 29	- 7	28
Pa.	37	165	1	3	4	6	4	13	13	49	9	34
E.N. CENTRAL	4	5	8	15	50 29	62 17	233 95	299 101	221 37	170 31	2 1	1
Ind.	1	1	1	-	4	12	32	22	16	6	-	-
III. Mich.	-	1	1 5	12 1	14 3	21 6	67 26	107 38	148 17	92 38	-	-
Wis.	-	-	1	2	-	6	13	31	3	3	1	-
W.N. CENTRAL Minn	5	7	1	4	31	16	40	101	21	41 10	23	36 2
lowa	5	-	1	-	12	5	-	8	5	10	17	10
Mo. N. Dak.	-	4	-	2	8 1	8	37	88	9	11	1 2	4 4
S. Dak.	-	-	-	-	2	-	-	-	-	-	-	11
Kans.	-	3	-	-	4	2	-	-	4	10	-	5
S. ATLANTIC	9	55	14	21	74	57	335	441	70	193	154	171
Del. Md.	- 8	8 37	2 4	- 4	1 9	1	7 59	3 45	- 15	6 56	9 51	10 43
D.C.	-	-	1	2	2	1	11	20	6	14	40	1
W. Va.	-	5	-	-	3	-	57	-	9	12	42	6
N.C. S.C.	1	3 1	2	3	10 14	7	94 45	118 67	17 19	10 25	15 6	36 12
Ga.	-	-	2	2	22	23	27	76	-	31	23	22
	-	-	-	/	9	17	34 254	110	3	39	5	9
Ky.	-	-	-	-	6	4	30	30	18	6	-	3
Tenn. Ala.	-	1	-	- 1	- 15	2 7	72 56	75 83	- 44	36 46	- 7	10 9
Miss.	-	1	-	-	12	2	96	261	34	-	-	-
W.S. CENTRAL	-	-	1	-	57 7	21	76 24	233	12	46	1	19 10
La.	-	-	-	-	10	4	52	112	-	-	-	7
Okla. Tex.	-	-	- 1	-	2 38	6 8	-	23 47	9	12 25	1	2
MOUNTAIN	-	1	7	7	39	30	14	25	42	25	4	6
Mont. Idaho	-	-	- 1	1	1 4	- 2	-	-	- 1	- 2	-	3
Wyo.	-	-	-	-	-	1	-	-	-	-	3	-
N. Mex.	-	-	4	4	4 10	9 4	8 -	6	2 1	2 4	- 1	-
Ariz.	-	-	-	-	13	12	4	3	31	13	-	3
Nev.	-	1	-	-	3 4	1	2	4	7	1	-	-
PACIFIC	1	8	22	23	92	80	1	82	371	507	20	29
vvasn. Oreg.	- 1	-	- 3	2	6 20	5 17	- 1	1	30 5	29	-	-
Calif.	-	8	19	17 1	63 1	57	-	80	316	447	17	28 1
Hawaii	-	-	-	1	2	1	-	-	10	17	-	-
Guam	-	-	-	-	-	1	-	1	-	4	-	-
r.n. V.I.	-	-	-	-	-	4	- 21	35	-	-	-	9
Amer. Samoa C.N.M.I.	-	-	-	-	-	-	-	-	-	1 3	-	-

TABLE II. (Cont'd.) Cases of selected notifiable diseases, United States, weeks endingFebruary 10, 1996, and February 11, 1995 (6th Week)

N: Not notifiable U: Unavailable -: no reported cases

	H. influ	uenzae,		Hepatitis (v	iral), by type	Measles (Rubeola)				
	inva	sive		A		3	Indi	igenous	lm	ported [†]
Reporting Area	Cum. 1996*	Cum. 1995	Cum. 1996	Cum. 1995	Cum. 1996	Cum. 1995	1996	Cum. 1996	1996	Cum. 1996
UNITED STATES	125	161	1,981	2,558	562	825	1	3	-	1
NEW ENGLAND	5	1	21	13	2	27	-	2	-	-
Maine	-	-	3	3	-	1	-	1	-	-
Vt.	- 4	1	-	-	-	1	-	-	-	-
Mass.	1	-	8	2	1	3	-	1	-	-
K.I. Conn.	-	-	2	35	-	4 17	-	-	-	-
MID. ATI ANTIC	20	16	115	116	83	70	-	-	-	-
Upstate N.Y.	6	4	12	13	11	20	-	-	-	-
N.Y. City	2	2	95	60 21	66	14 19	-	-	-	-
Pa.	6	6	8	22	6	13	-	-	-	-
E.N. CENTRAL	16	40	188	432	63	135	-	-	-	-
Ohio	14	21	114	242	14	9	-	-	-	-
III.	2	14	7	24 93	2	26 43	-	-	-	-
Mich.	-	3	34	46	43	50	-	-	-	-
Wis.	-	-	2	27	3	7	-	-	-	-
W.N. CENTRAL	8	5	132	100	46	61	-	-	-	-
lowa	7	1	57	8	29	7	-	-	-	-
Mo.	1	4	43	80	9	52	-	-	-	-
N. Dak. S. Dak.	-	-	6	-	-	-	Ū	-	Ū	-
Nebr.	-	-	10	3	2	2	-	-	-	-
Kans.	-	-	15	5	6	-	-	-	-	-
	24	37	88 1	91	104	107	-	-	-	-
Md.	7	11	22	24	30	23	-	-	-	-
D.C.	-	-	3	1	1	7	-	-	-	-
W. Va.	-	4	2	20	3	9	-	-	-	-
N.C.	5	10	17	10	37	39	-	-	-	-
S.C. Ga	1	- 5	9	1	6	2	-	-	-	-
Fla.		7	27	29	13	15	-	-	-	-
E.S. CENTRAL	2	2	61	137	5	101	-	-	-	-
Ky. Tonn	-	1	4	12	-	13	-	-	-	-
Ala.	2	1	9	16	5	13	-	-	-	-
Miss.	-	-	48	8	-	-	-	-	-	-
W.S. CENTRAL	6	2	226	152	27	35	-	-	-	-
Ark.	-	1	61 6	3	4	- 4	-	-	-	-
Okla.	6	1	98	63	6	8	-	-	-	-
Tex.	-	-	61	83	12	23	-	-	-	-
MOUNTAIN	10	18	347	519	96	62	-	-	-	-
Idaho	- 1	1	59	54	10	10	-	-	-	-
Wyo.	1	1	1	19	-	-	-	-	-	-
N. Mex.	3	4	24 64	106	9 46	10	-	-	-	-
Ariz.	2	6	73	106	9	7	-	-	-	-
Utah Nev	1	2	96 21	128 18	15 7	2	-	-	-	-
PACIFIC	34	40	803	998	, 136	- 227	1	1	_	1
Wash.	-	1	30	20	7	6	1	1	-	-
Oreg.	3	4	142	208	7	17	-	-	-	-
Alaska	- 29	- 33	610	/54	2	200	-	-	-	-
Hawaii	2	2	15	4	1	3	-	-	-	1
Guam	-	-	-	-	-	-	U	-	U	-
P.K. VI	-	1	11	2	19	12	-	-	Ū.	-
Amer. Samoa	-	-	-	2	-	-	Ŭ	-	Ŭ	-
C.N.M.I.	-	-	-	1	-	-	U	-	U	-

TABLE III. Cases of selected notifiable diseases preventable by vaccination,United States, weeks ending February 10, 1996, and February 11, 1995 (6th Week)

*Of 23 cases among children aged <5 years, serotype was reported for 6 and of those, 1 was type B.

[†]For imported measles, cases include only those resulting from importation from other countries.

N: Not notifiable U: Unavailable -: no reported cases

	Measles (Rub	eola), cont′d.		Mum	c		Portuca	e	Rubella			
Reporting Area	Cum. 1996	Cum. 1995	1996	Cum.	S Cum. 1995	1996	Cum.	cum.	1996	Cum.	a Cum. 1995	
UNITED STATES	4	32	14	57	78	27	111	301	-	11	7	
NEW ENGLAND	2	3	-	-	-	3	11	36	-	2	1	
Maine	1	-	-	-	-	1	2	5	-	-	-	
N.H.	-	-	-	-	-	2	3	1	-	-	-	
Mass.	- 1	1	-	-	-	-	2 4	26	-	-	- 1	
R.I.	-	2	-	-	-	-	-	-	-	-	-	
Conn.	-	-	-	-	-	-	-	2	-	2	-	
MID. ATLANTIC	-	-	4	5	9	15 12	20 17	15	-	-	-	
N.Y. City	-	-	2	2	1	3	3	5	-	-	-	
N.J.	-	-	-	-	-	-	-	3	-	-	-	
Pa.	-	-	-	-	6	-	-	-	-	-	-	
E.N. CENTRAL	-	-	5	17	16 7	3	30 21	42 19	-	-	-	
Ind.	-	-	-	-	2	1	2	2	-	-	-	
III.	-	-	-	-	-	-	-	-	-	-	-	
Wich. Wis.	-	-	2	9	-	-	5 2	20	-	-	-	
W.N. CENTRAL	_	1	_	2	8	-	-	14	_	_	-	
Minn.	-	-	-	-	-	-	-	-	-	-	-	
lowa	-	-	-	-	1	-	-	1	-	-	-	
N. Dak.	-	-	-	2	-	-	-	ю 1	-	-	-	
S. Dak.	-	-	U	-	-	U	-	1	U	-	-	
Nebr.	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	- 10	-	- 11	24	-	-	-	
Del.	-	-	-	-	-	-	-	34 1	-	-	-	
Md.	-	-	-	-	2	1	6	-	-	-	-	
D.C.	-	-	-	- 1	- 2	-	-	1	-	-	-	
W. Va.	-	-	-	-	-	-	-	-	-	-	-	
N.C.	-	-	-	-	3	-	-	30	-	-	-	
S.C. Ga	-	-	-	1	1	-	2	1	-	-	-	
Fla.	-	-	-	-	1	2	2	1	-	-	-	
E.S. CENTRAL	-	-	-	3	4	-	5	9	-	-	-	
Ky.	-	-	-	-	-	-	4	-	-	-	-	
Ala.	-	-	-	3	2	-	- 1	9	-	-	-	
Miss.	-	-	-	-	2	-	-	-	N	Ν	N	
W.S. CENTRAL	-	-	2	3	5	-	2	4	-	-	-	
Ark.	-	-	-	-	2	-	1	-	-	-	-	
La. Okla.	-	-	2	3	-	-	-	-	-	-	-	
Tex.	-	-	-	-	3	-	-	4	-	-	-	
MOUNTAIN	-	28	-	6	2	-	14	102	-	-	-	
Mont.	-	-	-	-	-	-	-	2	-	-	-	
Wyo.	-	-	-		-	-	-	- 30	-	-	-	
Colo.	-	17	-	-	-	-	-	15	-	-	-	
N. Mex. Ariz	-	65	N -	N -	N -	-	8	3 46	-	-	-	
Utah	-	-	-	-	1	-	-	-	-	-	-	
Nev.	-	-	-	6	1	-	3	-	-	-	-	
PACIFIC	2	-	2	18	24	3	18	45	-	9	6	
vvash. Oreg	1	-	1 N	2 N	1 N	2	5 12	1	-	-	-	
Calif.	-	-	-	9	20	-	-	42	-	9	6	
Alaska	-	-	-	1	2	-	-	-	-	-	-	
nawali	Т	-	п 	ь	Т	1	T	2	-	-	-	
Guam PR	-	-	U	-	-	U	-	- 1	U	-	-	
V.I.	-	-	Ū	-	-	Ū	-	-	Ū	-	-	
Amer. Samoa	-	-	U	-	-	U	-	-	U	-	-	
C.N.WI.I.	-	-	U	-	-	U	-	-	U	-	-	

TABLE III. (Cont'd.) Cases of selected notifiable diseases preventable by vaccination,United States, weeks ending February 10, 1996, and February 11, 1995 (6th Week)

N: Not notifiable U: Unavailable -: no reported cases

	All Causes, By Age (Years)			P&I [†]		Å	All Cau	auses, By Age (Years)				P&I [†]			
Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total
NEW ENGLAND Boston, Mass. Bridgeport, Conn. Cambridge, Mass. Fall River, Mass. Hartford, Conn. Lowell, Mass. Lynn, Mass. New Bedford, Mass. New Haven, Conn. Providence, R.I. Somerville, Mass. Springfield, Mass.	611 149 30 21 38 63 21 13 5. 22 34 65 10 41 33	441 85 19 18 32 45 17 10 19 24 49 9 30 25	103 36 10 4 10 1 1 8 11 8 5	48 20 1 3 2 7 3 1 3 - 3 - 3	8 2 - 1 - 1 - 1 - 1 - 2	11 6 - - - 2 1 - 1	41 31 44 236 6	S. ATLANTIC Atlanta, Ga. Baltimore, Md. Charlotte, N.C. Jacksonville, Fla. Miami, Fla. Norfolk, Va. Richmond, Va. Savannah, Ga. St. Petersburg, Fla. Tampa, Fla. Washington, D.C. Wilmington, Del.	1,437 191 215 106 132 124 57 85 56 57 271 122 21	911 96 128 71 92 73 32 58 35 42 192 77 15	297 50 44 23 20 32 12 17 13 7 49 24 6	148 32 29 11 9 15 7 6 3 4 18 14	42 5 9 3 1 4 1 3 7 -	36 8 6 1 2 1 5 3 1 3 6 -	84 10 18 5 4 1 4 9 3 3 24 3 24 3
Worcester, Mass. WID. ATLANTIC Albany, N.Y. Allentown, Pa. Buffalo, N.Y. Camden, N.J. Elizabeth, N.J. Erie, Pa.§	33 71 2,543 56 25 78 26 19 48	23 59 1,751 45 20 63 14 13 41	458 6 4 9 5 2 4	2 264 5 4 3 4 2	1 36 1 1 2 - 1	1 34 - 1 2 -	10 131 3 1 1 3	E.S. CENTRAL Birmingham, Ala. Chattanooga, Tenn. Knoxville, Tenn. Lexington, Ky. Memphis, Tenn. Mobile, Ala. Montgomery, Ala. Nashville, Tenn.	711 72 54 74 162 52 81 182	446 46 32 48 20 115 35 53 97	154 11 13 16 7 26 9 16 56	61 8 7 13 5 5 17	29 2 3 5 6 3 7	20 4 1 2 4 5	51 4 2 8 1 15 4 3 14
Jersey City, N.J. New York City, N.Y. Newark, N.J. Paterson, N.J. Philadelphia, Pa. Pittsburgh, Pa.§ Reading, Pa. Rochester, N.Y. Schenectady, N.Y. Scranton, Pa.§ Syracuse, N.Y. Trenton, N.J. Utica, N.Y. Yonkers, N.Y.	57 1,451 47 16 299 69 15 130 23 26 85 55 55 18 U	41 936 18 11 212 54 14 111 18 23 66 34 17 U	10 296 18 2 53 12 1 10 3 3 9 10 10 1	5 177 10 2 26 2 - 7 2 - 4 11 - 11	23 4 1 - - 3 - - - -	1 19 1 4 - - 2 - 3 - 3 - U	3 58 6 16 9 5 10 - 8 8 - 8 8 - U	W.S. CENTRAL Austin, Tex. Baton Rouge, La. Corpus Christi, Tex. Dallas, Tex. El Paso, Tex. Houston, Tex. Houston, Tex. Little Rock, Ark. New Orleans, La. San Antonio, Tex. Shreveport, La. Tulsa, Okla.	1,140 84 68 208 52 119 U 62 U 269 83 139	757 55 34 32 128 36 82 U 42 U 188 62 98	232 14 23 14 42 11 28 U 12 U 47 15 26	89 9 8 6 27 2 6 U 5 U 5 16 3 7	31 1 3 1 8 2 1 U 11 4	31 5 3 3 1 2 U 3 U 7 3 4	85 10 1 8 6 3 1 U 7 U 34 7 8
E.N. CENTRAL Akron, Ohio Canton, Ohio Cincinnati, Ohio Cleveland, Ohio Cleveland, Ohio Columbus, Ohio Dayton, Ohio Detroit, Mich. Evansville, Ind. Fort Wayne, Ind. Gary, Ind. Grand Rapids, Mich Indianapolis, Ind. Madison, Wis. Milwaukee, Wis. Peoria, III. Rockford, III. South Bend, Ind. Toledo, Ohio Youngstown, Ohio	2,135 57 43 336 216 147 176 157 234 42 54 U 177 134 51 57 57 57 57 57 57 64 87 64	1,472 411 33 188 145 92 123 118 141 355 42 U 566 777 299 104 49 39 41 63 56	388 6 79 37 37 32 42 6 5 U 6 5 U 6 19 10 16 4 10 4 7 6	164 6 3 48 13 8 4 28 4 U 2 6 5 11 1 1 3 1 3 1 5 5	54 	57210854-711U351311-4-21	152 8220114139505364473462	MOUNTAIN Albuquerque, N.M. Colo. Springs, Colo Denver, Colo. Las Vegas, Nev. Ogden, Utah Phoenix, Ariz. Pueblo, Colo. Salt Lake City, Utah Tucson, Ariz. PACIFIC Berkeley, Calif. Glendale, Calif. Glendale, Calif. Honolulu, Hawaii Long Beach, Calif. Portland, Oreg. Sacramento, Calif. San Diego, Calif.	1,003 112 55 78 29 202 24 101 153 1,719 13 102 75 562 U 26 102 75 562 U 106 102 75 562 U 106 61 26 102 75 562 0 112 101 153	686 81 41 51 169 24 126 109 1,173 8 U 199 75 50 355 50 355 50 355 0 72 U 95 102	166 13 7 13 55 31 4 21 22 310 3 U 3 17 9 109 U 21 U 21 21 234	94 12 4 17 4 24 - 9 14 166 1 U 3 8 12 71 U 7 U 16 19	31 2 1 5 8 1 3 5 34 1 20 0 2 1 20 2 1	26 - 1 3 3 13 - 2 3 5 1 U 1 1 3 7 U 3 U 3 4	81 4 8 20 2 8 12 129 1 25 9 22 0 8 U 3 22 13 22
W.N. CENTRAL Des Moines, Iowa Duluth, Minn. Kansas City, Kans. Kansas City, Mo. Lincoln, Nebr. Minneapolis, Minn. Omaha, Nebr. St. Louis, Mo. St. Paul, Minn. Wichita, Kans.	890 U 29 16 115 62 280 93 150 75 70	618 U 23 10 73 41 205 49 108 55 54	165 U 5 4 20 17 46 28 23 10 12	55 U 1 - 8 3 15 9 11 6 2	17 U 1 2 1 3 4 2 1	21 U 1 3 - 6 4 4 2 1	57 U 2 - 4 - 27 10 2 8 4	San Jose, Calif. Santa Cruz, Calif. Seattle, Wash. Spokane, Wash. Tacoma, Wash. TOTAL	195 43 138 61 95 12,189 [¶]	149 33 93 48 74 8,255	33 4 30 9 12 2,273	9 3 10 1 6 1,089	3 1 1 282	4 4 2 2 271	26 5 2 7 7 811

TABLE IV. Deaths in 121 U.S. cities,* week ending February 10, 1996 (6th Week)

*Mortality data in this table are voluntarily reported from 121 cities in the United States, most of which have populations of 100,000 or more. 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.
 ¹Pneumonia and influenza.
 ⁸Because of changes in reporting methods in these 3 Pennsylvania cities, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.
 ¹Total includes unknown ages.
 U: Unavailable -: no reported cases

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The Morbidity and Mortality Weekly Report (MMWR) Series is prepared by the Centers for Disease Control and Prevention (CDC) and is available free of charge in electronic format and on a paid subscription basis for paper copy. To receive an electronic copy on Friday of each week, send an e-mail message to *lists@list.cdc.gov*. The body content should read *subscribe mmwr-toc*. Electronic copy also is available from CDC's World-Wide Web server at *http://www.cdc.gov/* or from CDC's file transfer protocol server at *ftp.cdc.gov*. To subscribe for paper copy, contact Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402; telephone (202) 512-1800.

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☆U.S. Government Printing Office: 1996-733-175/27040 Region IV