



MORBIDITY AND MORTALITY WEEKLY REPORT

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# Public Opinion About Public Health — California and the United States, 1996

Despite widespread belief that public support is critical to the success of public health programs and agencies, systematic efforts to measure public opinion about public health have been limited. This report summarizes surveys conducted by two organizations—one a public policy center in California, the other a national opinion polling firm—to measure support for public health activities. The findings indicate widespread support for community-oriented disease-prevention and health-promotion activities.

# **California Survey**

From September 30 through November 5, 1996, the Field Institute of San Francisco (with consultation by Louis Harris and Associates, Inc.) conducted a random-digit–dialed telephone survey of California residents aged  $\geq$ 18 years; the survey was commissioned by the nonprofit California Center for Health Improvement and was funded by The California Wellness Foundation (1). A representative sample of 4803 persons was interviewed. The standard error associated with the results of this survey was  $\pm 2\%$  at the 95% confidence level.

The percentage of respondents who reported that selected public health services were "top priority" ranged from 29% (for collecting community health data) to 84% (for ensuring safe drinking water). The percentage who reported delivery of these services as "very effective" ranged from 18% (for providing community education and counseling services about improving health) to 37% (for minimizing the spread of disease carried by insects or animals) (Table 1). Selected local and state fees or tax increases were supported by substantial proportions of respondents if funds were needed to pay for what the survey instrument termed as "adequate programs" (Table 2). Most respondents preferred that funds for public health services be raised at the state level instead of at the local level (Table 2). The sources of revenue for those services that were most supported by respondents were increases in state taxes on alcoholic beverages and tobacco. Most respondents opposed state surtaxes on health insurance premiums (72%), local residential property taxes (64%), and local sales taxes (57%). Respondents supported the existing state requirements that nonprofit health-care providers fund community health programs (84%) and that nonprofit health-care providers that convert to for-profit status be required to dedicate funds to

# U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

### Public Opinion About Public Health — Continued

TABLE 1. Percentage of survey respondents who reported that selected public health services were "top priority," and percentage who reported delivery of these services as "very effective" — California, 1996\*

	% Resp	ondents
Public health service	Top priority	Very effective
Ensuring safe drinking water	84	34
Ensuring that foods are free from contamination (e.g., through restaurant and produce inspections)	77	33
Protecting the public from exposure to toxic chemicals and other hazardous materials (e.g., monitoring the disposal of industrial and medical wastes and after oil spills)	75	29
Protecting the public from the spread of communicable diseases (e.g., AIDS, hepatitis, and tuberculosis)	74	22
Helping treat disease and injury after natural disasters (e.g., earthquakes, wildfires, and floods)	65	30
Providing community education and counseling services about improving health (e.g., through nutrition education programs, alcohol- and drug-abuse programs, and tobacco prevention programs)	53	18
Minimizing the spread of disease carried by insects or animals (e.g., rabies)	49	37
Collecting community health data (e.g., registering births, determining causes of deaths, and monitoring health trends)	29	19

\*Results of a random-digit–dialed telephone survey of California residents aged ≥18 years (n=4803 respondents) (1). The survey was conducted by the Field Institute of San Francisco, with consultation by Louis Harris and Associates, Inc.; the survey was commissioned by the nonprofit California Center for Health Improvement and was funded by The California Wellness Foundation. The standard error was ±2% at the 95% confidence level.

promote health (82%). In addition, most respondents indicated support for a statewide initiative for a  $63\phi$  per pack increase in cigarette tax (i.e., 72% strongly or somewhat favored the increase).

# National Survey

During December 12–16, 1996, Louis Harris and Associates, Inc., conducted a national random-digit-dialed telephone survey of 1004 U.S. residents aged  $\geq$ 18 years (2). This survey was conducted for the Harris Poll column, which is syndicated to the media but is not commissioned by any one client. The standard error associated with the survey was ±3% at the 95% confidence level. The response rate was 62%.

Respondents were asked to rank the importance of eight services "to improve the health of the public" on a five-point scale (i.e., very important, somewhat important, not very important, not at all important, or did not know). The percentage of respondents who rated specific public health services as very important ranged from

#### Public Opinion About Public Health — Continued

		% Respondents	6
Source of revenue	Favor	Oppose	Did not know
Increasing state taxes on tobacco products	81	18	1
Increasing state taxes on beer, wine, and other alcoholic beverages	78	21	1
Expanding tax deductions for contributions to charities and other nonprofit organizations	72	24	4
Increasing state income taxes for persons earning >\$200,000 per year	68	29	2
Increasing city developer fees on builders of new homes	59	38	3
Increasing local taxes on business property	53	43	4
Increasing local sales taxes	41	57	2
Increasing local taxes on residential property	33	64	3
Charging a surtax on health insurance premiums paid by businesses and persons	24	72	4

TABLE 2. Preferred sources of revenue for improving community health promotion and disease and injury prevention programs and environmental health services, by percentage of survey respondents — California, 1996\*

\*Results of a random-digit–dialed telephone survey of California residents aged ≥18 years (n=4803 respondents) (1). The survey was conducted by the Field Institute of San Francisco, with consultation by Louis Harris and Associates, Inc.; the survey was commissioned by the nonprofit California Center for Health Improvement and was funded by The California Wellness Foundation. The standard error was ±2% at the 95% confidence level.

56% (for helping persons cope with stress) to 93% (for preventing the spread of infectious diseases) (Table 3).

Respondents also were asked "Who do you think should be mainly responsible for the performance of prevention rather than the treatment of disease." Most (57%) respondents indicated that government should be responsible for this service; and 40%, that "someone else" should be responsible. Of those persons who responded that government should provide this service, 53% stated that the federal government should do so; 32%, the state government; and 13%, city and local governments.

When asked the open-ended question, "What do the words 'public health' mean to you?," <4% of respondents gave answers corresponding to what the Harris Poll considered "generally...regarded as referring to public health" (i.e., health education/ healthier lifestyles, prevention of infectious diseases, immunization, and medical research) (2). Eighty-three percent of respondents identified one or more of the following: general physical health, mental health, and well-being of the public; the health-care system; welfare programs; universal health care; health assurance; health insurance; and Medicaid and Medicare.

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**Editorial Note**: Opinion polling is used extensively as an adjunct to or in assessing contemporary public policy. Polling can help to clarify the perceived importance of

## Public Opinion About Public Health — Continued

	% Resp	ondents
Public health service	Very important	Somewhat important
Preventing the spread of infectious diseases (e.g., tuberculosis, measles, influenza, and AIDS)	93	7
Vaccinating to prevent diseases	90	9
Delivering medical care to ill patients by doctors and hospitals	85	13
Improving the quality of education and employment	83	14
Ensuring persons are not exposed to unsafe water supply, dangerous air pollution, or toxic waste	82	15
Conducting medical research on the causes and prevention of disease	82	15
Encouraging persons to live healthier lifestyles (e.g., eat well, exercise, and not to smoke)	72	24
Helping persons cope with stress from the problems of daily living and work	56	34

TABLE 3. Percentage of survey respondents who reported that selected public healthservices were "very important" or "somewhat important" — United States, 1996\*

\*Results of a random-digit–dialed telephone survey of U.S. residents aged  $\geq$ 18 years (n=1004 respondents) (2) conducted by Louis Harris and Associates, Inc., for the Harris Poll column, which is syndicated to the media but is not commissioned by any one client. The standard error was ±3% at the 95% confidence level.

issues and the impact of advocacy campaigns and other factors on public support for, or opposition to, policies. The survey conducted in California identified 1) substantial support for public health services and 2) substantial support for taxes, if necessary, to achieve more effective public health programs and services. Although findings from the national survey were consistent with findings from the California survey about support for public health services, the national survey did not address financial concerns.

The findings in this report are subject to several limitations. First, the results of the two surveys were not directly comparable because the samples were drawn from different populations, the questions differed, and the results were reported in different formats. Second, each survey gauged public opinion at a specific point in time; therefore, the reported opinions could not be linked to contextual, secular events. Other limitations associated with survey methodology (e.g., refusals to be interviewed, wording and order of questions, and interviewer bias) also apply to the results of these two surveys.

Interest in marketing public health has been stimulated by perceived low public support for public health activities, limited financial resources, and the impact of extensive restructuring in the health-care sector. The findings in this report indicate substantial public support for public health services and suggest the need to determine the extent to which this support is consistent across jurisdictions and whether it can be translated into policy. Finally, these findings suggest the need for strength-ened methods to improve the polling of opinion about public health, including clarifications of the distinction between clinical care and community- or population-oriented

#### Public Opinion About Public Health — Continued

disease and injury prevention, and the practical meanings of "public health," "community health," and other key terms.

#### References

- 1. California Center for Health Improvement. Spending for health: Californians speak out about priorities for health spending. Sacramento: California Center for Health Improvement, 1997.
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# State-Specific Prevalence of Lapses in Health-Care–Insurance Coverage — United States, 1995

Lack of health-care–insurance coverage has been associated with decreased use of preventive health services, delay in seeking medical care, and poor health status (1,2). In 1995, an estimated 30.5 million persons aged 18–64 years in the United States did not have health insurance (3). To determine state-specific estimates of the prevalence of persons aged 18–64 who reported either short-term (i.e., <12 months) or long-term (i.e.,  $\geq$ 12 months) lapses in health-care coverage, CDC analyzed data from the 1995 Behavioral Risk Factor Surveillance System (BRFSS). This report summarizes the results of that analysis and indicates that among adults who reported having no health insurance in 1995, most were without insurance for  $\geq$ 1 year and that long-term lapses were more prevalent among men than women.

The BRFSS is a state-based, random-digit-dialed telephone survey of the U.S. noninstitutionalized population aged  $\geq$ 18 years. Data were obtained from all 50 states participating in the 1995 BRFSS. A total of 90,691 persons responded. Analyses were restricted to persons aged 18–64 years. Sample estimates were statistically weighted by sex, age, and race to reflect the noninstitutionalized civilian population of each state. Respondents were asked, "Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicare?" Persons who reported having no health-care coverage at the time of the interview were considered to be uninsured. Persons who were uninsured were asked "How long has it been since you had health care coverage?" Persons who reported having had coverage during the preceding year were classified as having short-term lapse, and those reporting not having had coverage for  $\geq$ 1 year were classified as having long-term lapse.

During 1995, the prevalence of persons who reported having health-care–insurance coverage ranged from 76.5% (Louisiana) to 93.3% (Hawaii) (median: 87%) (Table 1). The prevalence of reported lapses in health-care–insurance coverage of <1 year ranged from 1.8% (New Jersey) to 9.4% (California) (median: 4.2%); lapses of  $\geq$ 1 year ranged from 2.9% (Hawaii) to 17.1% (California) (median: 9.3%).

Among men, the percentage reporting having health-care–insurance coverage ranged from 75.5% (California) to 91.5% (Hawaii) (median: 84.7%) (Table 2). The percentage of men reporting lapses in health-care–insurance coverage of <1 year ranged from 2.0% (South Dakota) to 10.3% (California) (median: 4.2%), and the percentage reporting lapses of  $\geq$ 1 year ranged from 3.8% (Hawaii) to 17.1% (Texas) (median: 10.6%). Among women, the percentage reporting having health-care–insurance coverage

# Lapses in Health-Care Coverage — Continued

		Insured full year		Short-t	erm lapse*	Long-term lapse <sup>†</sup>		
State	Sample size	%	(95% Cl <sup>§</sup> )	%	(95% CI)	%	(95% CI)	
Alabama	1378	84.5	(+2,1%)	4.6	(+1.2%)	10.9	(+1.9%)	
Alaska	1380	84.0	(+2.8%)	4.1	$(\pm 1.6\%)$	11.8	(+2.4%)	
Arizona	1425	81.5	(+2.7%)	6.8	(+1.9%)	11.8	(+2.2%)	
Arkansas	1354	82.5	$(\pm 2.2\%)$	4.8	(±1.3%)	12.7	(±1.9%)	
California	3391	77.8	$(\pm 2.3\%)$	9.4	$(\pm 1.7\%)$	12.8	(±1.8%)	
Colorado	1947	83.9	$(\pm 2.2\%)$	4.1	$(\pm 1.2\%)$	12.0	(±1.9%)	
Connecticut	1498	89.2	(±1.9%)	2.5	(±0.9%)	8.4	$(\pm 1.7\%)$	
Delaware	1674	87.2	(±1.9%)	3.8	$(\pm 1, 1\%)$	9.0	(±1.6%)	
Florida	2487	81.4	(±1.8%)	6.2	(±1.1%)	12.5	(±1.5%)	
Georgia	1904	88.9	(±1.7%)	3.4	(±0.9%)	7.7	(±1.4%)	
Hawaii	1705	93.3	(±1.5%)	3.9	(±1.2%)	2.9	(±0.9%)	
Idaho	2160	83.6	(±1.7%)	5.0	(±1.0%)	11.3	(±1.4%)	
Illinois	2330	86.9	(±1.7%)	4.5	(±1.1%)	8.6	(±1.4%)	
Indiana	1880	88.0	(±1.6%)	4.3	(±1.1%)	7.7	(±1.3%)	
lowa	2759	88.5	(±1.4%)	3.5	(±0.8%)	8.0	(±1.2%)	
Kansas	1560	87.6	(±1.8%)	3.2	(±1.0%)	9.3	(±1.6%)	
Kentucky	1749	83.8	(±1.9%)	3.5	(±0.9%)	12.7	(±1.8%)	
Louisiana	1303	76.5	(±2.6%)	6.4	(±1.6%)	17.1	(±2.3%)	
Maine	1008	80.4	(±2.8%)	7.7	(±2.0%)	11.8	(±2.3%)	
Maryland	4172	89.5	(±1.1%)	3.8	(±0.7%)	6.7	(±0.9%)	
Massachusetts	1446	87.9	(±2.0%)	3.3	(±1.2%)	8.8	(±1.7%)	
Michigan	1995	90.2	(±1.4%)	3.2	(±0.9%)	6.6	(±1.2%)	
Minnesota	3151	90.9	(±1.1%)	3.1	(±0.7%)	6.0	(±0.9%)	
Mississippi	1217	83.9	(±2.4%)	5.1	(±1.5%)	11.0	(±2.1%)	
Missouri	1244	81.9	(±2.7%)	4.4	(±1.5%)	13.7	(±2.3%)	
Montana	939	81.0	(±2.7%)	3.2	(±1.2%)	15.8	(±2.6%)	
Nebraska	1326	90.9	(±1.7%)	2.8	(±1.0%)	6.3	(±1.4%)	
Nevada	1435	85.2	(±2.2%)	5.6	(±1.5%)	9.2	(±1.7%)	
New Hampshire	1232	86.2	(±2.5%)	4.5	(±1.6%)	9.3	(±2.0%)	
New Jersey	997	91.0	(±2.3%)	1.8	(±0.9%)	7.3	(±2.1%)	
New Mexico	1033	79.3	(±3.0%)	6.1	(±1.6%)	14.6	(±2.7%)	
New York	2007	86.0	(±2.0%)	3.9	(±1.0%)	10.1	(±1.7%)	
North Carolina	2503	85.9	(±1.6%)	4.9	(±1.0%)	9.2	(±1.3%)	
North Dakota	1359	87.7	(±1.9%)	2.9	(±0.9%)	9.4	(±1.7%)	
Ohio	1045	87.2	(±2.5%)	5.5	(±1.7%)	7.4	(±2.0%)	
Oklahoma	1219	82.4	(±2.5%)	3.9	(±1.3%)	13.6	(±2.3%)	
Oregon	2259	84.6	(±1.7%)	4.9	(±1.1%)	10.6	(±1.5%)	
Pennsylvania	2817	88.8	(±1.5%)	3.9	(±0.9%)	7.3	(±1.2%)	
Rhode Island	1420	87.5	(±2.0%)	5.2	(±1.4%)	7.3	(±1.5%)	
South Carolina	1609	86.8	(±1.9%)	3.8	(±1.1%)	9.4	(±1.7%)	
South Dakota	1355	89.7	(±1.8%)	2.5	(±0.9%)	7.8	(±1.5%)	
Tennessee	1600	87.5	(±1.9%)	6.2	(±1.4%)	6.3	(±1.4%)	
Texas	1400	80.8	(±2.5%)	4.1	(±1.1%)	15.1	(±2.4%)	
Utah	2357	87.5	(±1.8%)	4.9	(±1.1%)	7.7	(±1.4%)	
Vermont	2001	86.3	(±1.8%)	3.3	(±0.9%)	10.5	(±1.6%)	
Virginia	1509	87.7	(±1.9%)	4.6	(±1.2%)	7.7	(±1.6%)	
Washington	2813	86.7	(±1.4%)	4.4	(±0.9%)	8.9	(±1.2%)	
West Virginia	1809	80.8	(±2.1%)	4.6	(±1.1%)	14.6	(±1.8%)	
Wisconsin	1787	91.2	(±1.8%)	3.4	(±1.3%)	5.4	(±1.3%)	
Wyoming	1978	81.7	(±1.9%)	5.5	(±1.2%)	12.8	(±1.7%)	
Range Modian		76.	5–93.3 26 5	1.	8-9.4	2.9	-17.1	
wigulari		č	0.0		4.2		2.0	

 TABLE 1. Percentage of persons aged 18–64 years with reported health-care-insurance coverage, by state — United States, Behavioral Risk Factor Surveillance System, 1995

\* Lacked insurance for <12 months. <sup>†</sup> Lacked insurance for ≥12 months. <sup>§</sup> Confidence interval.

# Lapses in Health-Care Coverage — Continued

		Long-term lapse <sup>†</sup>							
		Men	W	omen	Ν	/len	Women		
State	%	(95% Cl <sup>§</sup> )	%	(95% CI)	%	(95% CI)	%	(95% CI)	
Alabama	3.7	(±1.8%)	5.4	(±1.6%)	11.8	(±3.0%)	10.2	(±2.2%)	
Alaska	5.6	(±2.8%)	2.5	(±1.5%)	13.8	(±3.7%)	9.7	(±3.0%)	
Arizona	5.8	(+2.7%)	7.8	$(\pm 2.3\%)$	13.1	(±3.6%)	10.4	(+2.6%)	
Arkansas	4.9	(±1.9%)	4.8	(±1.5%)	11.1	$(\pm 2.8\%)$	14.3	(±2.7%)	
California	10.3	(+2.8%)	8.5	(±1.8%)	14.2	$(\pm 2.5\%)$	11.3	(±2.7%)	
Colorado	4.4	(±1.8%)	3.9	(±1.6%)	13.6	$(\pm 3.0\%)$	10.4	(±2.4%)	
Connecticut	2.5	(+1.6%)	2.5	(+1.0%)	13.0	(+3.1%)	3.8	(+1.3%)	
Delaware	3.5	(±1.7%)	4.1	(±1.3%)	9.5	(±2.6%)	8.5	(±2.0%)	
Florida	6.2	(+1.7%)	6.1	(+1.4%)	13.2	(+2.4%)	11.8	(+1.9%)	
Georgia	2.3	(±1.1%)	4.5	(±1.5%)	9.0	$(\pm 2.3\%)$	6.4	$(\pm 1.7\%)$	
Hawaii	4.7	(+1.9%)	3.0	(+1.3%)	3.8	(+1.5%)	2.0	(+1.0%)	
Idaho	3.8	$(\pm 1.4\%)$	6.3	$(\pm 1.5\%)$	11.6	(+2.1%)	11.1	(+1.8%)	
Illinois	47	(+1.6%)	42	(+1.2%)	9.2	(+2.2%)	8.0	(+1.8%)	
Indiana	4 2	(+1.6%)	44	(+1.4%)	7.6	$(\pm 2.2\%)$	7.8	(+1.8%)	
lowa	3.0	(+1.1%)	4.4	(+1.1%)	10.0	(+1.9%)	6.0	(+1.3%)	
Kansas	37	(+1.6%)	27	(+1.1%)	10.0	(+2.5%)	8.1	(+2.1%)	
Kentucky	33	(+1.4%)	3.6	(+1.2%)	12 1	$(\pm 2.0\%)$	13 3	(+2.3%)	
Louisiana	5.2	(+2.2%)	75	(+2.2%)	16.3	(+3.6%)	17.9	(+2.9%)	
Maine	95	(+3.5%)	6.0	$(\pm 2.2\%)$	13.5	(+3.6%)	10.3	(+2.9%)	
Maryland	3.3	(+1.0%)	4.2	$(\pm 2.2\%)$	8 1	(+1.5%)	54	$(\pm 2.5\%)$	
Massachusetts	3.8	(+1.8%)	29	(+1.5%)	9.1	$(\pm 1.0\%)$	8.4	(+2.3%)	
Michigan	3.5	$(\pm 1.0\%)$	2.0	(+1.1%)	7.0	(+1.8%)	6.1	(+1.6%)	
Minnesota	3.0	(+1.0%)	3.2	(+0.9%)	7.0	(+1.5%)	47	(+1.1%)	
Mississinni	5.0	(+2.3%)	5.2	(+1.9%)	12.7	(+3.3%)	95	(+2.6%)	
Missouri	5.5	(+2.5%)	3.4	(+1.7%)	12.7	(+3.2%)	15.0	(+3.2%)	
Montana	29	$(\pm 2.5 / 6)$	3.4	(+1.7%)	16.9	$(\pm 3.2 / 0)$	14.7	$(\pm 3.2\%)$	
Nebraska	2.0	(+1.6%)	25	(+1.3%)	7 /	(+2.3%)	5.2	(+1.6%)	
Nevada	4.6	(+2.0%)	6.8	(+2.1%)	9.4	$(\pm 2.5\%)$	8.0	(+2.2%)	
New Hampshire	4.0 5.5	$(\pm 2.070)$	3.5	(±2.1/0) (+1.7%)	10 1	$(\pm 2.3\%)$	85	(+2.6%)	
New Jersev	2.0	(+1.5%)	1.6	(±1.770)	7.2	(+2.6%)	7.4	$(\pm 2.070)$	
New Mexico	5.0	$(\pm 1.5 / 6)$	7 1	(±1.1/0) (+2.4%)	16.7	(±3.0 %)	12.5	(+2.4/0)	
New York	3.6	(+1.5%)	/ 1	(+1.3%)	12.1	$(\pm 4.3\%)$	8 1	(±3.270)	
North Carolina	5.0	$(\pm 1.3\%)$	4.1	(±1.3%)	9.0	(+1.9%)	9.1	(±1.3%)	
North Dakota	2.0	(+1.1%)	25	(±1.2/0)	11.2	$(\pm 1.376)$	7.6	(+2,2%)	
Ohio	5.5	(+2.7%)	2.5	(+2.0%)	9.5	(+2.7%)	53	(+2.2%)	
Oklahoma	0.5 1 1	$(\pm 2.7 / 0)$	37	(±2.070) (+1.8%)	1/ 9	$(\pm 3.3\%)$	12 /	(+2.0%)	
Oregon	4.1	$(\pm 2.070)$	5.6	(±1.6%)	14.5	$(\pm 2.4\%)$	9.5	(+1.8%)	
Pennsylvania	4.2	$(\pm 1.4\%)$	3.0	(±1.0%)	8.6	$(\pm 2.2 / 0)$	6.0	(±1.0%)	
Rhode Island	6.4	(+2.3%)	4.0	(±1.2%)	9.0	$(\pm 2.0\%)$	5.0	(+1.7%)	
South Carolina	3.6	$(\pm 2.5 / 6)$	4.0	(±1.7 %)	8.0	$(\pm 2.0\%)$	10.7	(±1.770) (±2.5%)	
South Dakota	2.0	(+1.3/0)	2.0	(±1.5%) (±1.5%)	0.0 9.4	$(\pm 2.2 / 0)$	7.2	(+1.0%)	
Tennessee	2.0	$(\pm 1.170)$	5.0	(±1.5%)	7.5	$(\pm 2.3\%)$	5.1	(±1.5%)	
Texas	3.8	(+1.7%)	15	(±1.0%) (±1.5%)	17.1	(+2.2/0)	13 1	(±1.0%)	
Utah	5.0	(+1.7%)	4.5	(±1.5%) (±1.5%)	8.5	$(\pm 2.3\%)$	6.8	(+1.6%)	
Vermont	1.2	(+1.5%)	21	(±1.0%)	11.8	$(\pm 2.3 / 6)$	9.0	(+2.0%)	
Virginia	3.2	(+1.6%)	6.0	(±1.6%)	6.7	(+2.4/0)	8.6	(±2.070) (+2.1%)	
Washington	J.Z	(+1.3%)	1 1	(±1.0%)	10.7	$(\pm 2.3\%)$	7 1	$(\pm 2.170)$	
West Virginia	20	(+1.6%)	5.2	(+1 1%)	12 5	(+2.0/0)	15.7	(+2 5%)	
Wisconsin	3.5 4 3	(+2.3%)	2.5	(±1.4/0) (+1.2%)	5.6	(+2.0%)	5.2	(+1.7%)	
Wyoming	4.5 5 2	(+1.6%)	57	(+1.6%)	12 /	(+2.6%)	12 2	(+2.2%)	
	5.5	(±1.0/0/	5.7	(_1.0/0/	13.4	(_2.5/0)	12.0	\_2.2/0/	
кange Median	2.0	1–10.3 4.2	1.	6–8.5 4.1	3.8 1	'-17.1 '0.6	2.0	-17.9 8.6	

TABLE 2. Percentage of persons aged 18–64 years who reported lapses in health-care-
insurance coverage, by sex and state — United States, Behavioral Risk Factor
Surveillance System, 1995

\*Lacked insurance for <12 months. <sup>†</sup>Lacked insurance for  $\geq$ 12 months. <sup>§</sup>Confidence interval.

#### Lapses in Health-Care Coverage — Continued

ranged from 74.6% (Louisiana) to 95.1% (Hawaii) (median: 88%). The percentage of women reporting lapses of <1 year in health-care–insurance coverage ranged from 1.6% (New Jersey) to 8.5% (California) (median: 4.1%), and the percentage reporting lapses of  $\geq$ 1 year ranged from 2.0% (Wisconsin) to 17.9% (Louisiana) (median: 8.6%).

During 1995, having health-care-insurance coverage was reported more commonly by white respondents (median: 88%) than by respondents of other races/ ethnicities (median: 80%), and more commonly by respondents who were employed for wages (median: 89%) than by those who were self-employed (median: 76%), homemakers (median: 82%), or unemployed (median: 61%).

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**Editorial Note**: This report documents substantial variation in the state-specific prevalence of self-reported short-term or long-term lapses in health-care–insurance coverage. State-specific variations may reflect differences in population composition (e.g., age, race/ethnicity, and sex), socioeconomic factors (e.g., per capita income, median number of years of education, and unemployment level), and other factors. Variation in health-care–insurance coverage between male and female respondents may reflect differences in coverage from public sources (e.g., Medicaid). Women are more likely than men to be covered by Medicaid through the Aid to Families with Dependent Children program because they are more likely to be caring for children (*4*). Race-specific differences in health-care–insurance coverage may be related to the relative income and employment status of the two groups (*5*). Persons employed for wages are more likely to obtain insurance through their employer, who pays all or part of the cost of coverage. In comparison, persons who are either self-employed or unemployed must pay the total cost of coverage.

BRFSS estimates can differ from those of other surveys because of differences in methodology or wording of questions. For example, BRFSS estimates of the percentage of uninsured adults aged 18–64 years were lower than those reported from the March 1996 Current Population Survey (*3*). Unlike the Current Population Survey, BRFSS data are based on questions about insurance status at the time of the interview, rather than during the previous calendar year. In addition, BRFSS findings may underestimate persons without health-care–insurance coverage because BRFSS excludes households without telephones; persons without a telephone are more likely to be less educated, have a lower income, or be unemployed (*6*).

Based on the findings of previous studies, being uninsured may be associated with declines in health status (7); in addition, compared with insured patients, those who

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#### Lapses in Health-Care Coverage — Continued

are hospitalized while without health-care–insurance coverage may receive fewer inpatient services and may be at increased risk for dying while hospitalized (8,9). The risks associated with lack of insurance coverage may result in substantial increases in the number of persons with chronic conditions and the cost of providing care for these persons.

Although providing health-care-insurance coverage to persons with short-term lapses is important, targeting efforts toward the long-term uninsured may be more effective because of the larger number of persons in this category and because of their potentially increased health risks. The methods and findings in this report can assist state planners in evaluating the progress of efforts to improve health-care and public health and in prioritizing programs to close insurance gaps.

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# Adult Blood Lead Epidemiology and Surveillance — United States, Third Quarter, 1997

CDC's National Institute for Occupational Safety and Health (NIOSH) Adult Blood Lead Epidemiology and Surveillance program (ABLES) monitors laboratory-reported elevated blood lead levels (BLLs) among adults in the United States. During 1997, a total of 27 states reported surveillance data to ABLES.<sup>\*</sup> This report presents ABLES data for the first three quarters of 1997 and compares these data with the first three quarters of 1996.

<sup>\*</sup>Alabama, Arizona, California, Connecticut, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Texas, Utah, Vermont, Washington, Wisconsin, and Wyoming.

## ABLES — Continued

During July–September 1996 and 1997, reports from the same 27 states of BLLs  $\geq 25 \,\mu$ g/dL increased 6%, from 4879 to 5193, respectively (1).<sup>†</sup> This quarterly increase followed an increase of 18%, from 5552 to 6564, during the first quarter and a decrease of 7%, from 6120 to 5709, during the second quarter of 1997 compared with the second quarter of 1996. These numbers reflect updated data from Alabama and Ohio for both 1997 and 1996 (2,3).<sup>†</sup> The overall increase for the first three quarters of 1997 compared with the first three quarters of 1996 was 6% (Table 1); in comparison, the long-term trend had reflected a decrease during 1993–1996 (1,2,4) among adults in the United States (5). However, this 6% increase was not uniform; 14 states reported increases, nine states reported decreases, and four remained the same or did not report during both years (Figure 1).

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Reported BLL (µg/dL)	Third qu	arter, 1997	Cumulative reports	Cumulative reports	% Change from first three guarters		
	No. reports	No. persons <sup>†</sup>	1996 <sup>§</sup>	1997	1996 to 1997		
25–39	4,136	3,019	12,660	13,835	9%		
40–49	784	541	2,921	2,724	- 7%		
50–59	191	131	652	571	-12%		
≥60	82	57	318	336	6%		
Total	5,193	3,748	16,551	17,466	6%		

TABLE 1. Number of reports of elevated blood lead levels (BLLs) among adults, numberof persons with elevated BLLs, and percentage change in number of reports —27 states,\* third quarter, 1997

\*Alabama, Arizona, California, Connecticut, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Texas, Utah, Vermont, Washington, Wisconsin, and Wyoming.

<sup>†</sup>An Individual report for a person was categorized according to the highest reported BLL for the person during the given quarter. Persons with elevated BLLs often have more than one blood test report within a quarter and several during a year. ABLES lists persons quarterly and annually, eliminating duplicates. To allow time for amendments to data reported in the fourth quarter, analysis for yearly trends in the number of persons with elevated BLLs is reported at the time of the first-quarter report for the subsequent year, usually in July.

<sup>§</sup>To compare the number of reports for a constant roster of 27 states in 1997 and 1996, data for the first three quarters of 1997 for New Mexico, Rhode Island, and Wyoming were added to the previously reported totals for the first three quarters of 1996, during which these states did not report (1). In addition, data for the first three quarters of 1996 for Illinois, which discontinued reporting at the end of 1996, were subtracted from the previously reported totals for 1996 (1). Alabama and Ohio updated their reports for 1996, and these updated data were incorporated.

<sup>&</sup>lt;sup>+</sup>To compare the number of reports for a constant roster of 27 states in 1997 and 1996, data for the first three quarters of 1997 for New Mexico, Rhode Island, and Wyoming were added to the previously reported totals for the first three quarters of 1996, during which these states did not report (1). In addition, data for the first three quarters of 1996 for Illinois, which discontinued reporting at the end of 1996, were subtracted from previously reported totals for the first three quarters of 1996 and the first three quarters of 1996, and these updated data were incorporated.

ABLES — Continued





\*Adult Blood Lead Epidemiology and Surveillance.

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**Editorial Note**: The increase in the number of reports of elevated BLLs for the first three quarters of 1997 suggests the possible ending of the long-term decline in the overall number of detected cases of elevated BLLs among adults for 1993–1996 (*1,2,4*). Factors related to this increase might include 1) improved efforts of the participating states and lead-using industries within them to identify lead-exposed workers; 2) improved compliance with Occupational Safety and Health Administration requirements for blood lead monitoring; 3) an increase in the size of the workforce in lead-using industries; 4) changes in reporting laws or in compliance with these laws; and/or 5) increased occupational exposures to lead. Compared with the first three quarters of

#### ABLES — Continued

1996, during the first three quarters of 1997, the number of reported cases of elevated BLLs increased in 14 states and decreased in nine (Figure 1). The effect of each of these potential explanations on changes in numbers of reports may have differed by state.

Changes in reporting laws or in compliance with these laws, rather than actual changes in workers' lead exposures, frequently are responsible for quarterly increases or decreases. For example, reports from Washington increased 70% for the first three quarters of 1997 compared with the same period in 1996. Follow-up investigation revealed that two laboratories were previously unaware of the mandatory reporting law and had begun to report elevated BLLs during 1997. Similarly, reports from Michigan increased 29% for the first three quarters of 1997 after implementation of a mandatory reporting law on October 11, 1997, and education and publicity about the new law, which began early during the year. Finally, the numbers of reports from Ohio and Alabama were revised recently as previously reported backlogged reports were reallocated to the correct quarters for both 1997 and 1996.

An increase of 6% during the first three quarters of 1997, compared with the first three quarters of 1996, also might have been due to normal fluctuation in nationwide reporting totals, which results from changes in staffing and funding in state-based surveillance programs, interstate differences in worker BLL testing by lead-using industries, or random variation. Continued surveillance and follow-up investigation similar to that performed in Washington are required before this three-quarter increase can be confirmed as a reversal of the previous long-term decrease.

During the first three quarters of 1997, a total of 17,466 reports of BLLs  $\geq$ 25 µg/dL demonstrated the continuing hazard of lead exposures as an occupational health problem in the United States. NIOSH is seeking to enhance surveillance for this preventable condition by expanding the number of states participating in ABLES, reducing variability in reporting, and distinguishing between new and recurring elevated BLLs in adults.

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# FIGURE I. Selected notifiable disease reports, comparison of provisional 4-week totals ending January 31, 1998, with historical data — United States

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

# TABLE I. Summary — provisional cases of selected notifiable diseases, United States, cumulative, week ending January 31, 1998 (4th Week)

	Cum. 1998		Cum. 1998
Anthrax Brucellosis Cholera Congenital rubella syndrome Cryptosporidiosis* Diphtheria Encephalitis: California* eastern equine* St. Louis* western equine* Hansen Disease Hantavirus pulmonary syndrome*† Hemolytic uremic syndrome, post-diarrheal* HIV infection, pediatric* <sup>§</sup>	2 - - - - - - - - - - - - - - - - - - -	Plague Poliomyelitis, paralytic Psittacosis Rabies, human Rocky Mountain spotted fever (RMSF) Streptococcal disease, invasive Group A Streptococcal toxic-shock syndrome* Syphilis, congenital** Tetanus Toxic-shock syndrome Trichinosis Typhoid fever Yellow fever	- 4 93 4 - 2 5 1 12 -

-: no reported cases \*Not notifiable in all states. <sup>†</sup> Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID). <sup>5</sup> Updated monthly to the Division of HIV/AIDS Prevention–Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP), last update January 15, 1998. <sup>¶</sup> Updated from reports to the Division of STD Prevention, NCHSTP.

						erichia					
	All	DS	Chlar	nvdia	coli O NFTSS <sup>†</sup>	157:H7 PHLIS <sup>§</sup>	Gono	rrhea	Hepa C/N/	atitis A.NB	
Reporting Area	Cum. 1998*	Cum. 1997	Cum. 1998	Cum. 1997	Cum. 1998	Cum. 1998	Cum. 1998	Cum. 1997	Cum. 1998	Cum. 1997	
UNITED STATES	3,171	4,047	26,841	29,230	46	5	19,228	20,056	86	162	
NEW ENGLAND	64	124	1,233	1,180	4	1	364	431	-	3	
Maine N.H.	2	13 1	18 47	49 51	-	- 1	6 9	3 18	-	-	
Vt.	5	7	25	15	-	-	-	1	-	-	
R.I.	12	10	207	552 127	4	-	28	36	-	-	
Conn.	39	32	274	386	-	-	142	197	-	-	
Upstate N.Y.	902 114	1,481 117	4,099 N	3,263 N	1	-	2,593 59	2,137 228	6	2	
N.Y. City	490	1,028	2,630	2,030	-	-	1,413	1,058	-	-	
Pa.	163	198	, 1,462	580	N	-	812	401	-	2	
E.N. CENTRAL	203	317	4,973	4,337	8	-	3,963	3,386	28	53	
Ind.	32 39	41 24	301	522	4	-	320	423	2	3 1	
III. Mich	102	115 118	1,268	765 641	-	-	1,206	425	- 25	6 43	
Wis.	15	19	168	867	N	1	99	397	- 25	-	
W.N. CENTRAL	55	159	1,591	2,222	3	1	652	1,007	3	5	
lowa	6	17	220 39	486 384	2	-	13	68	3	-	
Mo. N. Dak	19	112	739	819 57	-	1	268	541 5	-	4	
S. Dak.	4	-	85	46	-	-	17	9	-	-	
Nebr. Kans.	9 2	6 6	11 497	119 311	-	-	1 237	40 160	-	- 1	
S. ATLANTIC	793	951	6,272	5,494	12	1	5,620	5,705	6	9	
Del. Md	13 53	- 173	135 566	- 382	- 5	- 1	114 547	- 901	- 1	- 3	
D.C.	83	63	N	N	-	-	289	391	-	-	
va. W. Va.	39	50	683 168	744 280	N N	-	547 47	533 82	1 -	-	
N.C.	45	57	1,162	1,565	3	-	1,097	1,222	2	4	
Ga.	116	2	1,210	591	2	-	1,049	687	-	-	
Fla.	380	576	946	1,341	2	-	837	1,020	2	-	
Ky.	156	22	2,488 386	2,282 447	1	-	343	2,004 335	5	-	
Tenn. Ala	52 56	36 37	971 541	683 564	- 1	-	975 772	698 898	5	6 1	
Miss.	29	13	590	588	-	1	634	733	-	10	
W.S. CENTRAL	382	412	1,823	3,957	-	-	1,915	2,841	-	3	
La.	67	55	1,002	401	-	-	1,063	483	-	1	
Okla. Tex.	14 284	32 307	575	361 3.028	-	-	346	320 1.711	-	- 2	
MOUNTAIN	88	109	963	1,412	5	2	493	500	24	24	
Mont.	6	7	6	22	- 2	-	-	4	3	2	
Wyo.	-	1	38	37	-	-	2	3	10	9	
N. Mex.	21 9	38	- 361	69 321	1	- 1	239	127 78	2	3	
Ariz.	33	1 14	362	581	N 1	1	156	203	- 2	2	
Nev.	3	42	10	195	-	-	3	65	1	-	
PACIFIC	528	386	3,399	5,083	11	-	904	1,385	14	46	
Oreg.	34 12	45 30	808 279	588 264	2	-	48	41	-	-	
Calif.	477	300	2,089	4,068	9	-	679 17	1,117	14	40	
Hawaii	5	5	102	68	N	-	23	30	-	5	
Guam	-	-	-	25	Ν	-	-	2	-	-	
v.i.	88 1	1	N	N	N	U	21	40	-	2 -	
Amer. Samoa C.N.M.I.	-	-	- N	N	N N	U U	-	- 3	-	-	

TABLE II. Provisional cases of selected notifiable diseases, United States,weeks ending January 31, 1998, and January 25, 1997 (4th 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–Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention, Iast update January 25, 1998.
 <sup>†</sup>National Electronic Telecommunications System for Surveillance.
 <sup>§</sup>Public Health Laboratory Information System.

	Legion	ellosis	Lyı Dise	me ease	Ма	laria	Syp (Primary &	hilis Secondary)	Tuberculosis		Rabies, is Animal	
Reporting Area	Cum. 1998	Cum. 1997	Cum. 1998	Cum. 1997	Cum. 1998	Cum. 1997	Cum. 1998	Cum. 1997	Cum. 1998*	Cum. 1997	Cum. 1998	
UNITED STATES	45	50	117	193	42	87	442	648	498	660	430	
NEW ENGLAND Maine	2	4	5	44	-	2	5	10 -	4 U	10 -	88 10	
N.H. Vt.	-	2 1	-	1	-	-	-	-	-	-	8	
Mass. B I	2	1	5	5 1	-	1	5	4	2	3	29 10	
Conn.	-	-	-	36	-	-	-	6	Ú	6	29	
MID. ATLANTIC	2	7	64 16	117	7	13	30	27	12	36	119	
N.Y. City	-	-	-	10	2	4	3	8	Ŭ	15	U	
N.J. Pa.	2	1 5	- 48	48 57	2	7 2	22 5	15 4	12 U	5 13	19 34	
E.N. CENTRAL	20	18	8	3	4	13	51	47	24	63	1	
Ohio Ind.	12 2	12 1	8	2	1	1	21 8	16 12	UU	32 7	1	
III.	-	1	-	1	-	5	18	6	24	24	-	
Wich. Wis.	6	4	Ū	Ū	- 2	5	4	13	U	-	-	
W.N. CENTRAL	-	5	1	-	-	-	4	15	8	9	16	
Minn. Iowa	-	-	- 1	-	-	-	-	5	UU	/	1 11	
Mo. N. Dak	-	3	-	-	-	-	2	8	8	1	1	
S. Dak.	-	-	-	-	-	-	-	-	-	-	-	
Nebr. Kans.	-	1	-	-	-	-	2	- 2	- U	-	- 3	
S. ATLANTIC	11	7	32	16	16	10	170	241	32	45	166	
Del. Md.	1 4	1 5	31	1 14	- 9	1	- 27	- 67	- 2	- 6	- 53	
D.C.	1	1	1	-	1	1	1	6	5	6	-	
W. Va.	N	N	-	-	-	-	- 24	-	7	3	34 5	
N.C. S.C.	-	-	-	1	1	1 1	45 27	50 37	18 U	9	39 5	
Ga.	-	-	-	-	3	2	29	49	Ŭ	-	15	
FIA. E.S. CENTRAL	-	- 2	-	- 9	-	2	94	20 150	-	5 41	15	
Ky.	-	-	-	1	-	-	9	8	U	11	1	
Ala.	-	- 1	4	-	-	- 1	49 23	57	U	9 19	6	
Miss.	-	1	-	7	-	-	13	33	U	2	-	
W.S. CENTRAL Ark.	-	-	-	-	-	-	57 20	121	-	/5	1/	
La. Okla	-	-	-	-	-	-	31	38 13	-	- 5	- 16	
Tex.	-	-	-	-	-	-	-	57	Ŭ	70	-	
MOUNTAIN	5	6	-	-	4	6	11	10	10	10	5	
Idaho	-	-	-	-	-	-	-	-	-	-	-	
Wyo. Colo	- 2	- 2	-	-	- 2	- 3	- 1	-	- U	1	3	
N. Mex.	1	-	-	-	2	-	-	-	Ŭ	-	-	
Ariz. Utah	2	2	-	-	-	-	8	9	10	4	-	
Nev.	-	1	-	-	-	2	-	1	U	2	-	
PACIFIC Wash.	5	1	3	4	11	42	20 1	27	408 U	371 19	11	
Oreg.	-	- 1	- 2	2	2	2	1 19	1	U 402	7 220	- 11	
Alaska	-	-	-	-	-	40	-	- 20	402	520	-	
Hawaii	-	-	-	-	-	-	-	-	4	18	-	
Guam P.R.	-	-	-	-	-	2	- 10	- 11	-	3	- 2	
V.I. Amer Samoa	-	-	-	-	-	-	-	-	-	-	-	
	-		-	-	-	-	-	-	-		-	

# TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States,<br/>weeks ending January 31, 1998, and January 25, 1997 (4th Week)

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

\*Additional information about areas displaying "U" (e.g., Tuberculosis) can be found in Notices to Readers, MMWR Vol. 47, No. 2, p. 39.

	H. influ	ienzae,	Н			Measles (Rubeola)						
	inva	sive		4	I	В	Indi	genous	Imp	orted <sup>†</sup>	То	tal
Reporting Area	Cum. 1998*	Cum. 1997	Cum. 1998	Cum. 1997	Cum. 1998	Cum. 1997	1998	Cum. 1998	1998	Cum. 1998	Cum. 1998	Cum. 1997
UNITED STATES	73	83	922	1,446	333	473	-	-	-	-	-	7
NEW ENGLAND	5	9	22	36	1	13	-	-	-	-	-	-
Maine	-	2	5	2	-	1	-	-	-	-	-	-
N.H. Vt.	- 1	2	1	2	-	-	-	-	-	-	-	-
Mass.	4	5	2	14	-	10	-	-	-	-	-	-
R.I.	-	-	- 13	1 16	-	- 2	-	-	-	-	-	-
	- 7	- 12	20	10	- 20	76	-	-	-	-	-	-
Upstate N.Y.	2	-	20	- 130	15	/0	-	-	-	-	-	1
N.Y. City	1	5	10	67	10	31	-	-	-	-	-	-
N.J. Pa	4	5	1	28 43	- 13	21 23	-	-	-	-	-	1
ΕΝ ΓΕΝΤΒΔΙ	7	12	, 176	203	59	104	_	_	_	_	_	1
Ohio	6	8	42	40	8	5	-	-	-	-	-	-
Ind.	1	-	26	25	4	15	-	-	-	-	-	-
ni. Mich.	-	4	102	73 41	46	3 I 49	-	-	-	-	-	- 1
Wis.	-	-	6	24	1	4	-	-	-	-	-	-
W.N. CENTRAL	1	4	78	99	7	27	-	-	-	-	-	-
Minn.	-	2	-	1	- 2	-	-	-	-	-	-	-
Mo.	-	2	48 30	54	2 4	23	-	-	-	-	-	-
N. Dak.	-	-	-	-	-	-	U	-	U	-	-	-
S. Dak. Nebr	-	-	-	1	1	- 1	-	-	-	-	-	-
Kans.	-	-	-	26	-	2	-	-	-	-	-	-
S. ATLANTIC	21	13	74	68	40	27	-	-	-	-	-	-
Del.	-	-	-	4	-	1	-	-	-	-	-	-
NIA. D.C.	-	5	25	34 1	9	14	-	-	-	-	-	-
Va.	2	1	10	12	3	-	-	-	-	-	-	-
W. Va.	1	1	-	1	- 16	1	-	-	-	-	-	-
S.C.	-	-	4	2	-	2	-	-	-	-	-	-
Ga.	6	1	10	1	5	-	-	-	-	-	-	-
Fla.	4	-	17	6	6	-	-	-	-	-	-	-
E.S. CENTRAL	2	7	22	42 4	27	38	-	-	-	-	-	1
Tenn.	2	2	14	17	20	28	-	-	-	-	-	-
Ala.	-	5	8	7	7	1	-	-	-	-	-	1
WISS.	-	-	-	14	-	9	-	-	-	-	-	-
W.S. CENTRAL Ark.	4	2	31	68 6	6 6	3	-	-	-	-	-	-
La.	3	-	1	-	-	-	-	-	-	-	-	-
Okla. Tex	1	2	22	55 7	-	-	-	-	-	-	-	-
	16	2	, 222	, 247	65	71	_	-	-	-	-	-
Mont.	-	-	233	6	1	-	-	-	-	-	-	-
Idaho	-	-	9	20	3	-	-	-	-	-	-	-
wyo. Colo	- 1	- 1	2 18	43	- 7	20	-	-	-	-	-	-
N. Mex.	-	-	14	16	19	26	-	-	-	-	-	-
Ariz.	10	2	150	95	20	13	-	-	-	-	-	-
Nev.	5	-	22	18	9	5	-	-	-	-	-	-
PACIFIC	10	20	248	545	90	114	-	-	-	-	-	3
Wash.	-	-	6	4	1	-	-	-	-	-	-	-
Oreg. Calif	7	5 12	19 222	49 ⊿70	4 84	12 100	-	-	-	-	-	- 1
Alaska	-	-	-	4/5	1	-	-	-	-	-	-	-
Hawaii	-	2	1	10	-	2	-	-	-	-	-	2
Guam	-	-	-	-	-	1	U	-	U	-	-	-
P.K. V.I.	-	-	-	12	-	17	-	-	-	-	-	-
Amer. Samoa	-	-	-	-	-	-	U	-	U	-	-	-
C.N.M.I.	-	1	-	-	-	3	U	-	U	-	-	-

# TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination,<br/>United States, weeks ending January 31, 1998,<br/>and January 25, 1997 (4th Week)

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

 $^{*}$ Of 19 cases among children aged <5 years, serotype was reported for 5 and of those, 2 were type b.

<sup>†</sup>For imported measles, cases include only those resulting from importation from other countries.

	Mening	ococcal	Mumps				Portussis		Bubella		
	Cum.	Cum.		Cum.	Cum.		Cum.	Cum.		Cum.	Cum.
Reporting Area	1998	1997	1998	1998	1997	1998	1998	1997	1998	1998	1997
UNITED STATES	206	290	1	19	15	42	215	294	7	10	2
NEW ENGLAND	19	16	-	-	-	3	42	114	-	-	-
N.H.	1	2	-	-	-	-	5	17	-	-	-
Vt. Mass	1	- 9	-	-	-	- 3	7 30	42 51	-	-	-
R.I.	1	-	-	-	-	-	-	-	-	-	-
	0 10	4	-	-	-	- 11	- 11	-	- 7	-	-
Upstate N.Y.	1	-	-	1	-	11	11	-	7	8	-
N.Y. City	3 14	4 5	-	-	- 1	-	-	- 1	-	-	-
Pa.	-	10	-	-	-	-	-	1	-	-	-
E.N. CENTRAL	29	52	-	1	1	5	19 16	33	-	-	2
Ind.	20	23	-	-	-	4	-	-	-	-	-
III. Mich	- 3	13	-	-	-	- 1	- 3	3	-	-	-
Wis.	1	6	-	-	-	-	-	5	-	-	2
W.N. CENTRAL	7	28	-	-	-	2	3	5	-	-	-
Minn. Iowa	- 1	2 8	-	-	-	2	2	- 3	-	-	-
Mo. N. Dak	4	11	-	-	-		-	-	-	-	-
S. Dak.	1	1	-	-	-	-	-	1	-	-	-
Nebr. Kans	- 1	1 5	-	-	-	-	-	1	-	-	-
S. ATLANTIC	44	43	1	8	-	1	27	11	-	1	-
Del.	- 7	2	- 1	-	-	- 1	-	-	-	-	-
D.C.	-	2	-	-	-	-	-	-	-	-	-
Va. W. Va	4	2	-	-	-	-	-	-	-	-	-
N.C.	3	6	-	3	-	-	21	-	-	1	-
Ga.	5 16	12	-	2	-	-	-	1 -	-	-	-
Fla.	7	6	-	1	-	-	-	-	-	-	-
E.S. CENTRAL	7	29 7	-	-	4	5	9	3	-	-	-
Tenn.	7	8	-	-	1	2	2	-	-	-	-
Ala. Miss.	-	9 5	-	-	1 2	3	7	1 2	-	-	-
W.S. CENTRAL	11	4	-	2	-	2	6	1	-	1	-
Ark.	2	2	-	-	-	1	5	-	-	-	-
Okla.	5	1	-	-	-	-	-	-	-	-	-
lex.	-	1	-	2	-	1	1	1	-	1	-
MOUNTAIN Mont.	18	20	-	-	-	1	86	96	-	-	-
Idaho Wwo	-	1	-	-	-	5	43	69	-	-	-
Colo.	6	-	-	-	1	-	7	14	-	-	-
N. Mex. Ariz	2 7	5 7	N -	N 1	N	5	30	6 4	-	-	-
Utah	1	3	-	-	1	-	4	-	-	-	-
Nev.	-	3	-	-	1	-	1	1	-	-	-
Wash.	53	79 7	-	ю -	- -	2	2	29 1	-	-	-
Oreg. Calif	20 27	25 47	N	N 1	N 3	-	3 7	2 25	-	-	-
Alaska	-	-	-	2	-	-	-	1	-	-	-
Hawaii	-	-	-	3	3	-	-	-	-	-	-
Guam P.R.	-	-	U -	-	- 1	U -	-	-	U -	-	-
V.I. Amer Samoa	-	-	-	-	-	-	-	-	-	-	-
C.N.M.I.	-	-	Ŭ	-	-	Ŭ	-	-	Ŭ	-	-

# TABLE III. (Cont'd.) Provisional cases of selected notifiable diseases preventable<br/>by vaccination, United States, weeks ending January 31, 1998,<br/>and January 25, 1997 (4th Week)

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

	All Causes, By Age (Years)						P&I <sup>†</sup>		All Causes, By Age (Years)						₽&I <sup>†</sup>
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.	708 197 45 15 36 65 37 12 . 23 43 72 50 32	518 132 30 14 30 42 31 11 19 30 53 4 34 25	125 34 12 5 15 4 3 9 14 1 3 9 14 13 6	42 25 1 4 2 1 2 1 2	13 6 - - 3 - - - - 1 1	10 - - - 1 - - - - - - - - - - - - - - -	76 24 4 3 7 1 11 1 4 4	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.	1,233 U 286 115 159 112 59 91 44 76 216 57 18	862 U 183 80 124 69 35 66 31 57 160 39 18	231 U 56 26 24 23 15 15 7 14 40 11	93 U 31 4 7 15 6 4 3 12 6	24 U 8 2 3 4 2 1 2 	23 U 8 3 4 3 1 - 1 2 1 -	85 U 18 14 8 - 5 7 8 4 20 1 -
Morcester, Mass. MID. ATLANTIC Albany, N.Y. Allentown, Pa. Buffalo, N.Y. Camden, N.J. Elizabeth, N.J. Erie, Pa.	76 2,653 53 18 U 30 27 56	63 1,934 39 17 U 18 24 45	8 461 10 U 3 3 4	3 190 2 1 U 6 5	1 26 1 U 3 -	1 41 1 - - 2	15 166 4 U 2 3	E.S. CENTRAL Birmingham, Ala. Chattanooga, Tenn. Knoxville, Tenn. Lexington, Ky. Memphis, Tenn. Mobile, Ala. Montgomery, Ala. Nashville, Tenn.	1,100 232 106 112 97 204 91 39 219	756 157 77 83 66 149 62 25 137	227 44 19 17 20 38 21 7 61	72 17 8 10 6 11 5 4 11	17 2 1 2 5 2 1 3	23 7 1 3 1 2 7	94 31 10 19 10 9 - 8 7
New York 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.	1,346 44 22 499 52 48 125 31 27 122 31 33 35	42 963 15 353 37 43 98 27 21 102 22 26 29	10 243 14 6 101 5 17 3 4 13 7 5 3	111 11 2 29 4 - 6 1 5 2 2 2 1	15 2 3 - 1 - - - 1	14 2 1 12 1 3 - 1 2 - 1	- 68 3 3 28 6 6 14 1 3 13 6 1 4	W.S. CENTRAL Austin, Tex. Baton Rouge, La. Corpus Christi, Tex. Dallas, Tex. El Paso, Tex. Ft. Worth, Tex. Houston, Tex. Little Rock, Ark. New Orleans, La. San Antonio, Tex. Shreveport, La. Tulsa, Okla.	1,644 105 71 47 244 40 149 368 85 84 267 81 103	1,111 77 53 32 155 29 101 233 60 42 200 58 71	299 19 8 48 8 30 79 18 5 42 14 20	140 6 5 28 2 11 31 - 20 16 7 8	49 2 3 7 1 5 8 3 14 4 2	45 1 2 6 2 17 4 3 5 2 2	138 8 9 1 7 37 4 35 11 19
E.N. CENTRAL Akron, Ohio Canton, Ohio Chicago, III. Cincinnati, Ohio Cleveland, Ohio Columbus, Ohio Dayton, Ohio Detroit, Mich. Evansville, Ind. Fort Wayne, Ind. Gary, Ind. Grand Rapids, Mich Indianapolis, Ind. Lansing, Mich. Milwaukee, Wis.	2,402 67 44 411 143 158 219 233 64 74 74 74 197 58 133	1,706 55 40 275 102 96 163 116 140 42 54 64 135 44	432 11 3 77 25 42 36 27 48 15 12 21 37 9 22	161 1 37 11 11 5 33 4 5 18 4 7	50 1 10 2 3 5 3 8 2 2 1 3 - 2	52 11 36 62 4 31 1 4 1	166 1 4 22 13 6 28 18 5 10 4 - 10 4 8	MOUNTAIN Albuquerque, N.M. Boise, Idaho Colo. Springs, Colo Denver, Colo. Las Vegas, Nev. Ogden, Utah Phoenix, Ariz. Pueblo, Colo. Salt Lake City, Utah Tucson, Ariz. PACIFIC Berkeley, Calif. Fresno, Calif. Glendale, Calif. Honolulu, Hawaii	1,230 130 61 . 70 137 263 40 162 37 151 179 2,098 19 114 37 84	905 96 46 54 91 199 34 110 31 1,11 133 1,532 14 84 34 62	213 22 9 10 29 50 4 33 6 23 27 331 4 13 1 16	69 7 4 11 11 2 13 - 7 10 138 1 12 2 4	24 3 1 2 3 1 - 4 6 4 4 8 - 4 8 -	19 2 3 2 4 5 48 1 2	156 9 13 10 16 32 6 19 10 22 19 243 2 17 1 3
Peoria, III. Rockford, III. South Bend, Ind. Toledo, Ohio Youngstown, Ohio W.N. CENTRAL Des Moines, Iowa Duluth, Minn. Kansas City, Kans. Kansas City, Mo. Lincoln, Nebr. Minneapolis, Minn. Omaha Nebr	49 65 61 111 70 1,015 155 29 37 112 45 196 114	43 51 45 82 52 756 118 24 27 85 39 142 82	3 10 12 19 11 150 27 4 5 12 3 27 19	2 2 1 3 3 56 5 1 5 4 2 2 9 1 9	1 2 4 1 18 3 - 1 1 5 4	3 3 27 2 - 2 10	3 8 7 10 5 97 15 5 3 8 6 18 8	Long Beach, Calif. Los Angeles, Calif. Pasadena, Calif. Portland, Oreg. Sacramento, Calif. San Diego, Calif. San Francisco, Calif Santa Cruz, Calif. Seattle, Wash. Spokane, Wash. Tacoma, Wash.	116 564 37 130 190 182 182 182 182 180 55 111 52 101	86 405 30 93 140 130 88 135 44 65 42 80	20 96 5 23 31 30 18 29 6 19 7 13	4 37 2 6 14 15 14 9 1 13 1 3	1 15 3 1 4 3 4 3 7 1 2	5 11 5 4 3 3 2 1 7 1 3	32 38 4 10 29 39 20 27 10 2 3 6
St. Louis, Mo. St. Paul, Minn. Wichita, Kans.	130 107 90	91 84 64	24 14 15	7 6 5	3 - 1	5 3 5	10 20 4	IUIAL	14,0831	10,080	2,469	961	269	288	1,221

# TABLE IV. Deaths in 122 U.S. cities,\* week ending January 31, 1998 (4th Week)

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 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. \*Pneumonia and influenza. \*Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks. Total includes unknown ages.

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