CENTERS FOR DISEASE CONTROL



MORBIDITY AND MORTALITY WEEKLY REPORT

Epidemiologic Notes and Reports

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- 461 *Plasmodium vivax* Infection among Tourists to Puerto Vallarta, and Acapulco, Mexico, — New Mexico, Texas
- 462 Outbreak of Phototoxic Dermatitis from Limes — Maryland
- 464 Acute Poisoning Following Exposure to an Agricultural Insecticide — California
- 471 Update: Acquired Immunodeficiency Syndrome — Europe

Plasmodium vivax Infection among Tourists to Puerto Vallarta, and Acapulco, Mexico, — New Mexico, Texas

New Mexico. On January 17, 1985, a husband and wife from Santa Fe, New Mexico, flew to Puerto Vallarta, Mexico. They stayed at a beachfront resort hotel within the city limits of Puerto Vallarta for 4 days, after which they returned to the United States. On January 31, within a 12-hour period, the couple had onset of an illness characterized by fever, chills, drenching sweats, malaise, and headache. On February 2, when the wife sought medical attention, she had a fever of 38.9 C (102 F) and a mild tachycardia. Blood smears examined on the wife on February 3 and on the husband on February 4 revealed *Plasmodium vivax*. Both were successfully treated with chloroquine and primaquine. Interviews with the patients revealed no risk factors for acquiring malaria other than their recent vacation in Puerto Vallarta. Neither patient had traveled outside the United States in the past 5 years; neither had a history of blood transfusion or intravenous drug use. The couple did not leave the hotel grounds during their stay in Puerto Vallarta other than to travel to and from the airport. They had eaten their evening meal outdoors at the hotel on two occasions and had slept in a room with unscreened open windows. Both stated that they had been bitten by mosquitoes on multiple occasions.

Texas. On May 31, 1985, nine members of a family from San Antonio, Texas, flew to Acapulco, Mexico. They stayed in a rented villa situated on a cliff overlooking Acapulco Bay in a resort area 12 miles from the center of the city, where they remained until they returned to the United States on June 5. Between June 5 and June 17, six of the nine family members experienced febrile illnesses. On June 16, the first family member who became ill was diagnosed as having malaria after blood smears revealed *P. vivax*. Subsequently, blood smears on the other five ill family members also demonstrated *P. vivax*. All six were successfully treated with chloroquine and primaquine. Two of the three who have remained well have had negative blood smears. None of the family members had traveled outside the United States in the previous 5 years; none had any history of blood transfusion or intravenous drug use. The family had not left the villa other than to travel to and from downtown Acapulco and the airport. They ate their evening meals on an unscreened porch at the villa, where they experienced frequent mosquito bites.

Subsequently, CDC has been notified of four additional unrelated Texas residents who were infected by *P. vivax* during May and June in the same resort area as the family described above.

Reported by L Nims, MS, HR Landmann, MD, BM Greenfield, MD, D Gregory, MD, HC Anderson, MD, B Baker, MT, Santa Fe, L Davis, MD, Dept of Neurology, University of New Mexico School of Medicine; CM Sewell, DrPH, HF Hull, MD, State Epidemiologist, New Mexico Health and Environment Dept; D Allegra, MD, R Park, MD, W Dickenson, MT, Village Oak Hospital, F Buckwold, MD, Baptist Medical Center, San Antonio, T Gustafson, MD, J Perdue, CE Alexander, MD, State Epidemiologist, Texas Dept of Health; Plasmodium vivax Infection - Continued

Malaria Br, Div of Parasitic Diseases, Center for Infectious Diseases, Div of Quarantine, Center for Prevention Svcs, CDC.

Editorial Note: Transmission of *P. vivax* is reported to occur in the rural areas of both Jalisco and Guerrero, the states in which Puerto Vallarta and Acapulco are located (1). Current CDC recommendations indicate that there is no risk of malaria in major tourist resorts along the Pacific and Gulf of Mexico coasts (2), and the National Malaria Service of Mexico has not received any reports of malaria in Mexican or foreign tourists to these areas. However, these cases among U.S. travelers suggest that malaria can be transmitted in such areas, albeit rarely, and should be considered as a possible cause of a febrile illness in persons who have recently returned from resort vacations in Pacific coastal areas of Mexico.

While chemoprophylaxis is not recommended for travelers to these areas, physicians who advise patients before travel to Mexico should emphasize the importance of measures to reduce contact with mosquitoes during evening and nighttime hours, such as remaining in well-screened areas when possible, wearing protective clothes that cover most of the body, and using insect repellent on exposed areas of skin.

References

- 1. Subsecretaria de Servicios de Salud. Situacion epidemiologica del paludismo en Mexico, 1983. Epidemiologia Boletin, 1984;4:162-8.
- CDC. Health information for international travel 1984. Atlanta, Georgia: U.S. Department of Health and Human Services, PHS, Centers for Disease Control, Division of Quarantine, 1984; HHS publication no. (CDC)84-8280;11-58.

Outbreak of Phototoxic Dermatitis from Limes – Maryland

On August 8, 1984, the Office of Disease Control and Epidemiology, Maryland Department of Health and Mental Hygiene, was notified by a nurse at a day camp in Owings Mills, Maryland, of a rash illness reported among 12 children during the previous week. The rash, confined to the dorsa of the hands and extensor and flexor surfaces of the forearms and in the form of blotches, speckles, and streaks, was macular, hyperpigmented, and nonpruritic. No other signs or symptoms were noted. Dermatologists diagnosed the rash as a phototoxic contact dermatitis. Investigation disclosed that limes used in an art class to make pomander balls were incriminated as the cause of the rash.

All children and counselors at the day camp were examined for evidence of the characteristic rash. A case was defined as a day-camp member with the rash noted by the examiner between August 8 and August 14. Ninety-seven (16%) of 622 children and seven (7%) of 104 counselors were affected. None of the 57 adult staff members reported a rash. Analysis of rash in children and counselors by sex and race showed no disproportionate representation. Since most children were too young to remember a date of onset, parents of children with rash were telephoned and asked for the date they first discovered the rash (Figure 1). Of the 82 (85%) mothers contacted, 23 (28%) had not noticed the rash or had thought it was dirt.

Several activities involving work with hands were investigated. Five activities that involved more than two-thirds (65) of affected children were significantly associated with illness ($p \le 0.004$). These activities were making wallpaper, pomanders, tissue wine-paper cups, and burlap covers and participating in a nature scavenger hunt. However, when controlling for each of the other four activities, only exposure to making pomanders in arts and crafts class was significantly associated with illness ($p \le 0.03$). Of the 17 counselors who had helped children make the pomanders, seven had the rash (p < 0.001), whereas none of the 34 counselors who were not exposed to the pomanders had the rash (p < 0.001). The pomanders were made from July 23 to July 27 by camp units A and B (approximately 60 children

Vol. 34/No. 30

Dermatitis -- Continued

per unit) and by some members of units D and H on July 31. Discovery of the rash for most cases correlates with the time of exposure (Figure 1).

In making pomanders, the children received one lime each during class, poked several holes in it with scissors, filled the holes with cloves, sprinkled cinnamon over the lime, and placed the product in cloth later tied with a pipecleaner. During the process, oil glands in the lime skin probably ruptured, releasing chemicals in the oil known to cause phototoxicity on exposure to the sun (1-5).

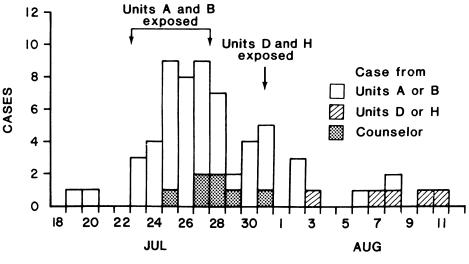
The limes were purchased from a supermarket, part of a nationwide chain, that purchases its limes from Florida. After harvesting the limes, the processors wash off any insecticides (all water-soluble) and later coat the limes with an inert vegetable wax. Environmental and botanical survey of the camp did not reveal other chemicals or plants with phototoxic potential with which camp members may have come into contact.

Reported by E Israel, MD, State Epidemiologist, Maryland State Dept of Health and Mental Hygiene; Div of Field Svcs, Epidemiology Program Office, Chronic Diseases Div, Center for Environmental Health, CDC. Editorial Note: Photosensitivity of the skin refers to an abnormal reaction of the skin to light. This abnormal reaction results from exposure to certain therapeutic or chemical agents. Exposure may occur when the offending agent is either ingested or applied topically. The reaction occurs only after an exposed individual is subjected to ultraviolet or visible light. In most cases, the offending agents do not act as contact irritants by themselves; they are harmless to skin in the absence of exposure to light.

Photosensitivity reactions are classified as either photoallergic or phototoxic. Photoallergy involves the immune system. The offending agent, acting as a hapten, absorbs radiation, becomes activated, and reacts with protein(s) within the skin to form an antigen(s). This photoantigen is immunologically processed and manifests itself as an ordinary delayed hypersensitivity response. The patient with photoallergy has eczematous or papulovesicular eruptions.

In contrast to photoallergy, phototoxicity does not involve the immune system. Most often, phototoxic reactions can be produced in an individual if he or she is exposed to both an appropriate concentration of the offending agent and sufficient light energy of the correct

FIGURE 1. Cases of rash illness in a day camp, by date of discovery and by unit — Owings Mills, Maryland, July-August 1984



DATE OF DISCOVERY

Dermatitis - Continued

wavelength. The patient with phototoxicity has an exaggerated sunburn reaction, with or without vesicles, edema, and hyperpigmentation. The reaction occurs within 5-18 hours after the patient is exposed to light; it is most intense 36-72 hours after exposure.

Furocoumarins are heterocyclic aromatic compounds naturally found in the skin of citrus fruits, including limes. Psoralen, a compound resembling the naturally occurring furocoumarins, has been shown to produce photosensitivity reactions.

In all cases of photosensitivity, rapid diagnosis and identification of the offending agent are fundamental in effecting control. In photoallergy, cross-sensitization to closely related photoantigens can occur: the patient should be alerted to this possibility. In phototoxicity, the severity of symptoms depends on the concentration of exposures, and a variety of clinical presentations may be observed within an exposed group. Further measures call for eliminating, or at least reducing, exposure to the offending agent. Exposure to sunlight should be minimized, sunscreens should be used, and patient education should be emphasized. *References*

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- Sams WM. Photodynamic action of lime oil (*Citrus aurantifolia*). Arch Dermat & Syph 1941;44: 571-87.
- 3. Kaidbey KH, Kligman AM. Photosensitization by coumarin derivatives. Arch Dermatol 1981;117: 258-63.
- 4. Fisher JF, Trama LA. High-performance liquid chromatographic determination of some coumarins and psoralens found in citrus peel oils. J Agric Food Chem 1979;27:1334-7.
- Caldwell AG, Jones ERH. The constituents of expressed West Indian lime oil. J Chem Soc 1945: 540-3.

Acute Poisoning Following Exposure to an Agricultural Insecticide — California

In 1984, 1,156 workers were documented to have had possible pesticide-related illnesses in California. Twenty of the 274 workers exposed to field residues had systemic reactions, one of which was related to exposure to Phosdrin[®] (mevinphos), an organophosphate insecticide (1). Although only one systemic reaction to mevinphos was reported among California field workers for each of the years 1982-1984, a 1981 incident involved over 30 workers and is reported below.

At 7 a.m. on April 23, 1981, 44 farm workers entered a field in the Salinas Valley of California to harvest a crop of iceberg lettuce. By 9 a.m., several workers experienced dizziness, visual disturbances, headache, nausea, and eye irritation. At 11 a.m., a field supervisor reported that, at 5 a.m. the same morning, despite a cancellation order sent the previous day, the field had been sprayed with mevinphos.

Thirty-one field workers and three agricultural officials who had been inspecting the harvested lettuce were seen at a local hospital for evaluation and treatment. Tests for plasma cholinesterase were performed. Two workers were hospitalized for observation and treatment of respiratory difficulties. Two others had plasma cholinesterase levels below the lower limit of normal. The remaining workers disrobed, were "hosed down" with water, and after redressing, were instructed to wash their clothes when they got home; none was advised against returning to work the following day.

The next day, several workers were unable to return to work because of continuing symptoms. A union representative arranged for further examinations at a second hospital; 29 workers were examined and tested for cholinesterase activity. One was hospitalized because of bradycardia.

Investigators from the National Institute for Occupational Safety and Health (NIOSH), in

464

Vol. 34/No. 30

MMWR

Agricultural Insecticide Poisoning – Continued

collaboration with investigators from the second hospital, conducted an investigation beginning April 24 during the acute phase of this episode (2). They interviewed the 29 workers who reported symptoms and signs, including eye irritation (76%), headache (48%), visual disturbances (48%), dizziness (41%), nausea (38%), fatigue (28%), chest pain or shortness of breath (21%), skin irritation (17%), fasciculation of the eyelids (10%), fasciculation of muscles in the arm (7%), excessive sweating (7%), and diarrhea (7%). Twenty-two (76%) of the workers reported three or more symptoms or signs.

Levels of plasma cholinesterase and red blood cell (RBC) cholinesterase were determined for all 29 workers on April 24; no result was below the lower limit of normal. When the workers returned 6 days later for follow-up examinations, tests for cholinesterase were again performed. The mean plasma cholinesterase level for the group had increased by 5 Michel units; 2 weeks later, when 26 workers were tested a third time, the mean plasma cholinesterase level had increased by another 14 Michel units. These increases were found to be statistically significant.

Periodic examinations over the next 12 weeks also included tests for cholinesterase. For 27 workers, followed for at least 8 weeks each, investigators attempted to estimate presumptive "baseline" levels of plasma- and RBC-cholinesterase levels by averaging the results of the previous two tests. Comparing these derived "baseline" levels retrospectively with the values determined during the acute phase of the episode, it was possible to estimate an average depression of cholinesterase activity. The average depression for plasma cholinesterase was 15.6%, and for RBC cholinesterase, 5.6%. These estimated depressions were presumed to be caused by the exposure to mevinphos. For both plasma cholinesterase and RBC cholinesterase, the estimated depression was greater among workers reporting four or more signs or symptoms than among those reporting fewer than four, but this difference was not statistically significant. Cholinesterase activity appeared to return to the estimated "baseline" levels within 2 weeks after the exposure to mevinphos.

Reported by J Midtling, MD, A Velasco, MD, C Clements, MD, P Barnett, Natividad Medical Center, Salinas, RJ Jackson, MD, DC Mengle, MS, Epidemiological Studies Section, Health Protection Div, California Dept of Health Svcs; Hazard Evaluations and Technical Assistance Br, Div of Surveillance, Hazard Evaluations, and Field Studies, National Institute for Occupational Safety and Health, CDC.

Editorial Note: Organophosphates inhibit the enzyme, cholinesterase; toxic effects from exposure to organophosphates are believed due to a consequent increase of the neurotransmitter, acetylcholine, in the nervous system. The antidotes are atropine and Propopan[®], which block the effect of acetylcholine (3). Humans have two cholinesterases, RBC cholinesterase (or "true cholinesterase") and plasma cholinesterase (or "pseudocholinesterase"), which are generated in the liver.

Symptoms following moderate exposure to organophosphates include headache, dizziness, weakness, nausea and vomiting, fasciculations of eyelids and skin, blurred vision (due to pupillary constriction), and sweating. More severe exposures may cause abdominal cramps, muscular tremors, hypotension, bradycardia, dyspnea, and, ultimately, death from respiratory paralysis (4). The chronic health effects of exposure to the organophosphate residues have not been fully investigated (5,6), but are currently under study by NIOSH (7).

Acute poisoning due to organophosphate insecticides is diagnosed by a history of exposure and the appearance of typical signs and symptoms; the diagnosis is assisted by a favorable response to a test dose of atropine. Poisoning is confirmed by laboratory tests that demonstrate a depression (usually 25% or more) in cholinesterase activity. Because plasma cholinesterase is generated in the liver and may be affected by any factor that alters normal liver function, it is considered more labile than RBC cholinesterase. Hence, RBC cholinesterase, which measures the same enzyme that is active in nerve tissue, is the preferred index of toxic effects. During recovery from a toxic inhibition of cholinesterase, RBC cholinesterase is regenerated more slowly than plasma cholinesterase (\mathcal{B}).

Agricultural Insecticide Poisoning – Continued

The prevalence of signs and symptoms among the 29 workers studied was not recorded beyond the day after exposure to mevinphos. These workers may have intensified their exposure by redonning clothing contaminated with pesticide residue. The pattern of increasing postexposure cholinesterase values seen among these workers suggests that they experienced significant depressions of cholinesterase soon after exposure, despite acute-phase test results within the normal range. In turn, this suggests that, in the absence of previously measured baseline values for cholinesterase, the results of tests after possible toxic exposures must be interpreted with caution. Exposures to organophosphates can produce significant toxicity even though laboratory results of postexposure tests fall within the normal range. Thus, when workers with possible exposure to organophosphates present with symptoms, such as those described, and do not have previously established baseline values for cholinesterase activity, test results in the low or middle portion of the range of laboratory normal values should not rule out the presence of significant toxicity. Preexposure baseline levels should be established for each worker expected to be frequently exposed to organophosphates or their residues.

The rate of decrease in cholinesterase levels is thought to correlate more directly with

(Continued on page 471)

| | | 30th Week End | ing | Cumulat | tive, 30th Week | Ending |
|---|------------------|------------------|---------------------|------------------|------------------|---------------------|
| Disease | July 27, 1985 | July 28, 1984 | Median 1980-1984 | July 27, 1985 | July 28. 1984 | Median 1980-1984 |
| Acquired Immunodeficiency Syndrome (AIDS) | 194 | 107 | N | 4.308 | 2.287 | N |
| Aseptic meningitis | 240 | 185 | 264 | 2,971 | 2,864 | 3.201 |
| Encephalitis: Primary (arthropod-borne | | | | -, | -, | 0,201 |
| & unspec.) | 13 | 28 | 34 | 518 | 512 | 570 |
| Post-infectious | 1 | 1 | 1 | 76 | 80 | 58 |
| Gonorrhea: Civilian | 18,713 | 16,905 | 20,049 | 470.023 | 462.861 | 540,998 |
| Military | 363 | 474 | 474 | 10.279 | 12,070 | 15,423 |
| Hepatitis: Type A | 409 | 415 | 435 | 12.171 | 11,817 | 12,727 |
| Туре В | 449 | 484 | 437 | 14,382 | 14,276 | 12,047 |
| Non A, Non B | 67 | 76 | N | 2,325 | 2,179 | Ň |
| Unspecified | 98 | 97 | 170 | 3,236 | 2,755 | 4,874 |
| Legionellosis | 15 | 5 | N | 323 | 324 | N |
| Leprosy | 2 | 2 | 2 | 203 | 131 | 131 |
| Malaria | 37 | 27 | 29 | 518 | 487 | 584 |
| Measles: Total* | 22 | 36 | 36 | 2,095 | 2,098 | 2,098 |
| Indigenous | 21 | 24 | N | 1,716 | 1,858 | N |
| Imported | 1 | 12 | N | 379 | 240 | N |
| Meningococcal infections: Total | 42 | 36 | 36 | 1,552 | 1,833 | 1,833 |
| Civilian | 42 | 36 | 36 | 1,549 | 1,830 | 1,830 |
| Military | - | - | - | 3 | 3 | 12 |
| Mumps | 24 | 22 | 39 | 2,007 | 2,026 | 2,965 |
| Pertussis | 47 | 33 | 44 | 964 | 1,142 | 757 |
| Rubella (German measles) | 24 | 24 | 33 | 443 | 471 | 1,604 |
| Syphilis (Primary & Secondary); Civilian | 648 | 622 | 621 | 14,489 | 15,935 | 17,153 |
| Military | 2 | 15 | 10 | 97 | 203 | 227 |
| Toxic Shock syndrome | 10 | 12 | N | 221 | 292 | N |
| Tuberculosis | 518 | 450 | 511 | 12,055 | 12,080 | 14,512 |
| Tularemia | 4 | 22 | 8 | 73 | 167 | 128 |
| Typhoid fever | 18 | 10 | 9 | 182 | 178 | 221 |
| Typhus fever, tick-borne (RMSF) | 19 | 40 | 59 | 331 | 465 | 632 |
| Rabies, animal | 121 | 93 | 126 | 2,926 | 2,893 | 3,718 |

TABLE I. Summary-cases of specified notifiable diseases, United States

TABLE II. Notifiable diseases of low frequency, United States

| | Cum. 1985 | | Cum. 1985 |
|------------------------------------|-----------|--|-----------|
| Anthrax | - | Leptospirosis (Fla. 4) | 18 |
| Botulism: Foodborne | 22 | Plague | 7 |
| Infant (Calif, 1) | 29 | Poliomyelitis: Total | 3 |
| Other | | Paralytic | 3 |
| Brucellosis (Fla. 1) | 64 | Psittacosis (Fla. 2) | 68 |
| Cholera | 2 | Rabies, human | - |
| Congenital rubella syndrome | - | Tetanus (Pa. 1, Mo. 1, N.C. 1) | 32 |
| Congenital syphilis, ages < 1 year | 90 | Trichinosis | 47 |
| Diphtheria | 1 | Typhus fever, flea-borne (endemic, murine) | 6 |

*One of the 22 reported cases for this week was imported from a foreign country or can be directly traceable to a known internationally imported case within two generations.

| · | | Aseptic | Encer | halitis | | | н | lepatitis (V | 'iral), by ty | De | | |
|---|---|--|---|---------------------------------|--|--|---|--|---------------------------------------|---------------------------------------|---------------------------------|--------------------------------------|
| Reporting Area | AIDS | Menin- gitis | Primary | Post-in- fectious | | orrhea vilian) | A | В | NA,NB | Unspeci- fied | Legionel- losis | Leprosy |
| | Cum. 1985 | 1985 | Cum. 1985 | Cum. 1985 | Cum. 1985 | Cum. 1984 | 1985 | 1985 | 1985 | 1985 | 1985 | Cum. 1985 |
| UNITED STATES | 4,308 | 240 | 518 | 76 | 470,023 | 462,861 | 409 | 449 | 67 | 98 | 15 | 203 |
| NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. | 148 6 - 1 89 7 45 | 13 - 5 4 3 1 | 14 - 9 - 1 | - - - - | 13,499 600 308 170 5,139 1,038 6,244 | 12,939 527 390 217 5,225 875 5,705 | 7 1 - 4 2 | 22 1 - 12 4 5 | 1 - - - - 1 | 9 - - 9 - | - | 4 - - 4 - |
| MID ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. | 1,691 204 1,135 249 103 | 21 16 5 | 73 25 7 18 23 | 5 4 - 1 | 72,108 9,387 36,785 10,971 14,965 | 63,215 9,292 26,636 10,612 16,675 | 36 6 3 9 18 | 58 8 5 23 22 | 8 - 5 3 | 3 1 1 1 | - - - - | 15 15 - |
| E.N. CENTRAL Ohio Ind. III. Mich. Wis. | 189 34 13 94 32 16 | 38 19 8 1 10 | 112 45 16 14 30 7 | 15 4 2 6 - 3 | 66,245 16,727 7,065 17,801 18,479 6,173 | 64,497 16,638 7,566 14,786 18,309 7,198 | 13 5 1 6 | 34 5 2 5 22 | 3 - 2 1 - | 5 1 2 - 2 | 6 2 - 4 - | 20 2 16 2 |
| W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. | 49 12 7 22 - 3 5 | 28 6 3 12 - 1 6 | 33 15 10 - 3 5 | 3 1 - 1 - 1 | 22,854 3,288 2,480 10,911 152 422 1,999 3,602 | 22,285 3,296 2,448 10,763 219 553 1,515 3,491 | 13 1 5 4 3 | 17 2 12 - 1 | 4 1 3 - - | 2 - 2 - - - | 2 - - - 1 - - | - - - - - - |
| S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. | 673 74 87 45 4 32 7 105 312 | 57 4 3 1 11 2 6 - 12 18 | 62 1 16 - 7 20 3 - | 26 1 4 - 21 | 102,712 2,305 16,468 8,546 10,638 1,428 19,588 12,637 31,102 | 117,629 2,078 13,427 8,431 11,133 1,417 18,750 11,548 22,337 28,508 | 48 3 - 2 4 2 1 1 35 | 96 18 1 8 - 14 9 15 31 | 17 - 1 3 - - 4 8 | 15 - 1 - 2 - 2 9 | 5 - - 5 - - | 5 - - - 2 - 1 1 |
| E.S. CENTRAL Ky. Tenn. Ala. Miss. | 44 12 14 16 2 | 10 1 5 4 | 23 8 4 9 2 | 4 - 4 | 40,707 4,650 16,197 12,661 7,199 | 39,852 4,896 16,554 12,610 5,792 | 6 6 - - | 31 4 16 10 1 | 1 - 1 - | 1 - 1 - | - - - - | - |
| W.S. CENTRAL Ark. La. Okla. Tex. | 313 4 54 7 248 | 16 - 3 13 | 65 1 3 17 44 | 2 1 1 | 63,245 6,128 12,758 6,645 37,714 | 63,133 5,772 14,240 6,849 36,272 | 29 3 1 8 17 | 18 1 5 12 | 4 - 1 3 | 10 - 2 8 | 2 - 2 | 15 1 1 13 |
| MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev. | 67 - 25 7 24 8 3 | 7 | 24 - 1 6 3 4 7 3 | 5 - - 1 - 4 - | 15,152 423 479 371 4,623 1,760 4,401 644 2,451 | 14,802 635 740 420 4,242 1,693 4,009 725 2,338 | 66 3 1 11 21 23 3 4 | 43 - - 3 14 - 3 18 1 1 4 | 9 - - 5 - 3 - 1 | 12 - 4 1 7 - | | 5 - - 1 - 1 2 1 |
| PACIFIC Wash. Oreg. Calif. Alaska Hawaii | 1,134 67 15 1,032 2 18 | 50 2 48 - | 112 11 98 3 | 16 - 16 - | 73,501 5,032 3,528 62,186 1,729 1,026 | 64,509 4,641 3,613 53,596 1,573 1,086 | 191 15 35 139 1 | 130 13 12 101 1 3 | 20 1 2 17 | 41 1 39 - | - - - - | 139 31 2 92 14 |
| Guam P.R. V.I. Pac. Trust Terr. | 51 2 - | U 1 U U | 4 | 2 | 73 2,030 279 146 | 150 1,944 303 | U 1 U U | U 17 U U | U 1 U U | U 1 U U | U - U U | 1 2 20 |

TABLE III. Cases of specified notifiable diseases, United States, weeks ending July 27, 1985 and July 28, 1984 (30th Week)

N: Not notifiable

| | | | J | uly 27 | 7, 198 | 5 and . | July 28, 1 | 1984 | (30th \ | Week |) | | | | |
|---------------------------|----------|------|---------------|-----------|--------------|--------------|--------------------|--------|--------------|----------|--------------|--------------|--------|--------------|--------------|
| | Malaria | | | sles (Rut | beola) | | Menin- gococcal | Mu | mps | <u> </u> | Pertussis | , | | Duballa | |
| Reporting Area | Cum. | | enous Cum. | Impo | rted * | Total | Infections | | | | | | | Rubella | |
| | 1985 | 1985 | 1985 | 1985 | Cum. 1985 | Cum. 1984 | Cum. 1985 | 1985 | Cum. 1985 | 1985 | Cum. 1985 | Cum. 1984 | 1985 | Cum. 1985 | Cum. 1984 |
| UNITED STATES | 518 | 21 | 1,716 | 1 | 379 | 2,098 | 1,552 | 24 | 2,007 | 47 | 964 | 1,142 | 24 | 443 | 471 |
| NEW ENGLAND Maine | 26 3 | - | 33 | - | 86 | 102 | 69 2 | - | 41 6 | 2 | 52 2 | 30 | 1 | 10 | 18 |
| N.H. | 4 | - | - | - | - | 36 | 8 | - | 7 | 1 | 24 | 1 | - | 2 | 1 |
| Vt. Mass. | 12 | - | 29 | - | 83 | 6 47 | 9 | - | 2 | - | 2 | 14 | - | - | |
| R.I. | 2 | - | - | - | | 47 | 12 13 | - | 13 8 | 1 | 10 8 | 7 | | 6 | 16 |
| Conn. | 5 | - | 4 | - | 3 | 13 | 25 | - | 5 | - | 6 | 1 | 1 | 2 | - |
| MID ATLANTIC | 83 | 6 | 155 | - | 26 | 132 | 261 | - | 216 | 2 | 67 | 100 | 19 | 182 | 162 |
| Upstate N.Y. N.Y. City | 26 29 | 6 | 71 47 | 2 | 10 | 31 | 107 | - | 123 | - | 30 | 56 | - | 17 | 95 |
| N.J. | 10 | - | 14 | - | 7 9 | 90 7 | 43 39 | - | 14 27 | - | 9 3 | 3 7 | 19 | 144 | 49 |
| Pa. | 18 | - | 23 | - ' | - | 4 | 72 | - | 52 | 2 | 25 | 34 | : | 9 12 | 17 1 |
| E.N. CENTRAL | 24 | 5 | 343 | - | 125 | 651 | 274 | 1 | 762 | 5 | 112 | 297 | | 20 | 76 |
| Ohio Ind. | 6 3 | - | 48 | : | 43 | 8 | 91 | - | 232 | 4 | 26 | 52 | - | - | 2 |
| III. | 2 | 5 | 204 | - | 1 66 | 3 161 | 37 60 | - | 33 150 | 1 | 11 | 195 | - | ÷ | 2 |
| Mich. | 11 | - | 37 | - | 15 | 446 | 58 | 1 | 281 | - | 17 22 | 19 17 | - | 5 14 | 46 18 |
| Wis. | 2 | - | 54 | - | - | 33 | 28 | - | 66 | - | 36 | 14 | - | 1 | 8 |
| W.N. CENTRAL | 16 | - | 1 | - | 8 | 9 | 84 | - | 63 | 5 | 76 | 86 | - | 19 | 29 |
| Minn. Iowa | 6 1 | - | - | - | 4 | 3 | 21 | - | 1 | - | 19 | 9 | - | 2 | 2 |
| Mo. | 4 | - | | - | 2 | 2 | 7 34 | - | 9 11 | 1 4 | 5 16 | 5 15 | - | 17 | 1 |
| N. Dak. | 1 | - | - | - | 2 | - | 3 | - | 2 | - | 9 | | - | 2 | 3 |
| S. Dak. Nebr. | 1 | : | - | - | - | - | 2 | - | - | - | 1 | 6 | - | - | - |
| Kans. | 2 | - | 1 | - | - | 4 | 10 | - | 2 38 | 2 | 4 22 | 2 49 | - | 7 | 23 |
| S. ATLANTIC | 67 | 5 | 217 | - | 6 | 40 | 304 | 14 | 188 | 10 | 212 | 118 | | 49 | 21 |
| Del. Md. | 16 | - 5 | 56 | - | 4 | 16 | 7 42 | - | 1 26 | ī | - 90 | 2 28 | | 1 3 | - 1 |
| D.C. Va. | 4 14 | - | 2 | - | 1 | 8 | 6 | - | - | i | 1 | | - | - | |
| W. Va. | 14 | - | 21 31 | - | 1 | 4 | 40 8 | - | 31 55 | - | 5 | 16 | - | 2 | - |
| N.C. | 7 | - | 9 | - | - | - | 42 | - | 11 | 2 | 12 | 8 17 | - | 11 | - |
| S.C. Ga. | - 5 | - | - 8 | - | - | 1 | 30 | | 7 | - | - | 2 | - | 3 | - |
| Fla. | 20 | - | 90 | - | - | 11 | 52 77 | 14 | 28 29 | 6 | 65 38 | 10 35 | - | 4 25 | 2 18 |
| E.S. CENTRAL | 8 | - | - | - | 1 | 3 | 74 | 1 | 18 | 1 | 17 | 6 | | 2 | 9 |
| Ky. Tenn. | 2 | - | - | - | - | 1 | 5 | - | 4 | - | 3 | 1 | - | 2 | 3 3 |
| Ala. | - 5 | 2 | - | - | - | 2 | 29 24 | 1 | 12 | 2 | 5 6 | 2 | - | | - |
| Miss. | 1 | - | - | - | 1 | - | 16 | - | 2 | 1 | 3 | 3 | - | - | 3 3 |
| W.S. CENTRAL | 47 | 3 | 364 | - | 9 | 478 | 130 | 1 | 210 | - | 143 | 234 | | 28 | 6 |
| Ark. La. | - 1 | 3 | 42 | : | - | 6 | 12 22 | - | 4 | - | 10 | 14 | - | 1 | 3 |
| Okla. | 2 | - | 42 | | 1 | - 8 | 22 | N | 2 N | - | 8 74 | 4 207 | - | 1 | - |
| Tex. | 44 | - | 322 | - | 8 | 464 | 71 | 1 | 204 | - | 51 | 9 | - | 26 | 3 |
| MOUNTAIN | 29 | 1 | 448 | - | 43 | 139 | 66 | 2 | 199 | 14 | 68 | 79 | | 4 | 15 |
| Mont. Idaho | 1 | 1 | 122 120 | - | 17 18 | 23 | .5 2 | ; | 7 | - | 4 | 17 | - | - | - |
| Wyo. | 1 | | 120 | - | - | 23 | 5 | 1 | 9 2 | 2 | 2 | 3 | | 1 | 1 |
| Colo. | 8 | - | 7 | - | 6 | 1 | 19 | - | 16 | 7 | 29 | 28 | - | - | 2 2 |
| N. Mex. Ariz. | 10 5 | - | 1 205 | - | 2 | 88 | 8 18 | N | N 97 | 1 | 6 | 5 | - | 2 | - |
| Utah | 2 | Ξ. | | - | - | 27 | 7 | 1 | 97 | 4 | 18 9 | 15 6 | : | 1 | 7 |
| Nev. | 2 | - | - | - | - | - | 2 | - | 62 | - | - | 2 | - | - | 3 |
| PACIFIC | 218 | 1 | 155 | 1 | 75 | 544 | 290 | 5 | 310 | 8 | 217 | 192 | 4 | 129 | 135 |
| Wash. Oreg. | 17 11 | - | 9 3 | : | 32 | 124 | 52 | - | 28 | 8 | 35 | 42 | - | 11 | 1 |
| Calif. | 173 | 1 | 130 | 11 | 38 | 286 | 26 201 | N 5 | N 266 | - | 21 135 | 11 69 | 3 | 2 74 | 1 129 |
| Alaska | 2 | - | - | - | - | - | 7 | - | 4 | - | 23 | 1 | - | /4 | 129 |
| Hawaii | 15 | - | 13 | - | 5 | 134 | 4 | - | 12 | - | 3 | 69 | 1 | 41 | 3 |
| Guam P.R. | 1 | U | 10 48 | U - | - | 90 3 | 10 | U | 4 | U | - | - | U | 1 | 4 |
| V.I. | - | Ū | 4 | Ū | 6 | - | - | 3 U | 116 3 | 1 U | 7 | : | 1 U | 23 | 6 |
| Pac. Trust Terr. | | U | | U | | | | | | | | | | | |

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending July 27 1005 d hele 20 4004 (00th)4/

*For measles only, imported cases includes both out-of-state and international importations. §Out-of-state

| | | July | 27, 1985 | and July | 28, 1984 | (30th We | ek) | | |
|--------------------------|------------------------|--------------------------|-----------------------------|--------------|--------------|----------------|------------------|--|-------------------|
| Reporting Area | Syphilis (Primary & | (Civilian) Secondạry) | Toxic- shock Syndrome | Tuber | rculosis | Tula- remia | Typhoid Fever | Typhus Fever (Tick-borne) (RMSF) | Rabies, Animal |
| | Cum. 1985 | Cum. 1984 | 1985 | Cum. 1985 | Cum. 1984 | Cum. 1985 | Cum. 1985 | Cum. 1985 | Cum. 1985 |
| UNITED STATES | 14,489 | 15,935 | 10 | 12,055 | 12,080 | 73 | 182 | 331 +27 | 2,926 |
| NEW ENGLAND Maine | 301 9 | 304 3 | - | 403 29 | 341 18 | 1 | 6 | 3 | 9 |
| N.H. Vt. | 6 | 8 | - | 11 | 20 | - | - | - | 1 |
| Mass. | 3 161 | 1 179 | - | 4 248 | 6 183 | - 1 | 5 | 3 | 5 |
| R.I. Conn. | 7 115 | 11 · 102 | - | 32 79 | 28 86 | - | 1 | - | 3 |
| MID ATLANTIC | 1,981 | 2,183 | - | 2,240 | 2,197 | 1 | 29 | 7 | 248 |
| Upstate N.Y. | 140 | 178 | - | 369 | 359 | · - | 8 | 4 | 60 |
| N.Y. City N.J. | 1,231 393 | 1,344 394 | - | 1,127 304 | 901 474 | 1 | 15 5 | 1 | 24 |
| Pa. | 217 | 267 | - | 440 | 463 | - | 1 | 2 | 164 |
| E.N. CENTRAL Ohio | 654 88 | 727 143 | 1 | 1,487 276 | 1,593 306 | - | 17 3 | 30 + 6 23 3 | 97 21 |
| Ind. | 61 | 83 | - | 180 | 178 | - | 3 | 2 | 14 |
| III. Mich. | 340 127 | 239 217 | 1 | 635 311 | 674 334 | - | .4 5 | 33 2 | 15 14 |
| Wis. | 38 | 45 | - | 85 | 101 | - | 2 | - | 33 |
| W.N. CENTRAL | 135 | 235 | - | 318 | 361 | 24 | 8 | 25 + Z | 546 111 |
| Minn. Iowa | 28 15 | 69 10 | - | 63 42 | 59 40 | 1 | 5 1 | - | 102 |
| Mo. N. Dak. | 68 2 | 120 5 | - | 149 3 | 178 8 | 18 | 1 | 1 | 23 82 |
| S. Dak. | - 4 5 | 10 | - | 18 | 15 18 | 4 1 | ī | 2 | 170 26 |
| Nebr. Kans. | 13 | 21 | - | 11 32 | 43 | - | - | 19 Z | 32 |
| S. ATLANTIC | 3,614 | 4,744 | - | 2,433 | 2,501 | 6 | 19 | 147 + 9 | 781 |
| Del. Md. | 20 220 | 13 295 | - | 24 219 | 29 255 | 1 | 5 | 1 12] | 395 |
| D.C. | 201 | 183 | | 101 | 95 244 | 1 | 3 | 15 | 105 |
| Va. W. Va. | 173 9 | 240 12 | - | 220 65 | 81 | - | - | 1 | 18 |
| N.C. S.C. | · 391 | 473 433 | - | 307 316 | 390 304 | 4 | 2 | 57 2 43 4 | 4 45 |
| Ga. Fla | 2,152 | 807 2,288 | - | 397 784 | 356 747 | - | 1 | 13 I 5 I | 120 94 |
| | | | - | | | | 4 | 35 + 5 | 144 |
| E.S. CENTRAL Ky. | 1,237 36 | 1,081 59 | - | 1,078 241 | 1,111 258 | 3 | 1 | 1 | 21 |
| Tenn. Ala. | 349 391 | 292 341 | | 317 332 | 354 334 | 3 | 1 2 | 20 2 7 1 | 29 91 |
| Miss. | 461 | 389 | - | 188 | 165 | - | - | 7 2 | 3 |
| W.S. CENTRAL | 3,537 | 3,883 | 2 | 1,460 | 1,389 | 21 | 11 | 69 | 542 |
| Ark. La. | 187 614 | 120 697 | : | 157 195 | 154 182 | 8 | - | 11.) | 89 12 |
| Okla. Tex. | 97 2,639 | 134 2,932 | 2 | 158 950 | 138 915 | 9 4 | 11 | 49 ~ 9 | 66 375 |
| | | 361 | 5 | | | 13 | 7 | 13 | 238 |
| MOUNTAIN Mont. | 419 2 | 2 | - | 328 46 | 307 14 | 4 | - | 6 | 114 |
| ldaho Wyo. | 3 7 | 14 6 | - | 15 5 | 19 | - | - | 1 4 | 6 12 |
| Colo. | 100 | 83 48 | - | 40 60 | 31 58 | 2 2 | 4 2 | 1 | 13 5 |
| N. Mex. Ariz. | 73 208 | 137 | 3 | 134 | 142 | 3 | 1 | | 85 |
| Utah Nev. | 5 21 | 12 59 | 2 | 6 22 | 28 15 | 2 | - | 1 | 3 |
| PACIFIC | 2,611 | 2,417 | 2 | 2,308 | 2,280 | 4 | 81 | 2 | 321 |
| Wash. | 64 | 83 | - | 131 | 118 | - | - | - | 4 |
| Oreg. Calif. | 50 2,452 | 70 2,214 | 1 1 | 79 1,919 | 90 1,905 | 1 | 78 | 2 | 313 |
| Alaska Hawaii | 2 43 | 3 47 | - | 67 112 | 43 124 | 2 | -3 | - | 3 |
| Guam | 43 2 | | U | 16 | 32 | | v | _ | - |
| P.R. | 450 | 482 | - | 198 | 242 | - | 1 | - | 24 |
| V.I. Pac. Trust Terr. | 1 13 | 8 | U U | 1 16 | 3 | - | 52 | - | - |
| | | | | | | | | | |

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending July 27, 1985 and July 28, 1984 (30th Week)

U: Unavailable

,

TABLE IV. Deaths in 121 U.S. cities,* week ending July 27, 1985 (30th Week)

| Reporting Area Ail Ages >=05 45-64 25-44 1-24 1 PAIT Total Reporting Area Ail Ages >=05 45-64 25-44 - Ford NWE WCIADA 639 338 162 39 13 8 18 21 Attam. Ga. 1213 721 314 100 22 43 5 Gammong Mess 2 9 2 1 2 Strat.MTC 1213 721 314 100 22 43 5 5 6 13 9 1 2 5 1 2 1 1 2 5 1 3 1 1 2 1 3 1 3 1 3 1 3 1 7 3 1 1 2 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | All Caus | ses, By A | ge (Year | s) | | | | | All Cau | ses, By A | Age (Yea | irs) | | |
|--|---------------------------------|---------|----------|-----------|----------|------|----|----------------|-------------------------|--------|---------|-----------|----------|------|-----|----------------|
| Boston, Mass. 172 90 43 13 8 18 21 Atlanting Gas. 156 54 42 015 2 13 8 18 21 Atlanting Gas. 156 54 42 015 2 15 8 8 15 2 Battinore, Md. 273 146 89 25 13 8 1 2 7 Charlotte, MC, 72 50 13 6 1 2 7 7 Harding Mass. 2 1 7 4 3 1 - 2 7 Nordik, Va. 75 49 16 4 2 1 - 3 Nordik, Va. 75 49 16 4 2 2 4 4 Nordik, Va. 75 49 16 4 2 2 4 4 Nordik, Va. 75 49 16 4 2 2 4 4 Nordik, Va. 75 49 16 4 2 2 4 4 Nordik, Va. 75 49 16 4 2 2 4 4 Nordik, Va. 75 49 16 4 2 2 3 7 Nordik, Va. 75 49 16 4 2 3 7 Nordik, Va. 76 12 5 13 4 1 1 2 1 5 Somervie, Mass 6 6 48 14 1 2 2 1 5 Allentow, P. 16 13 2 1 3 4 Nordik, Va. 76 52 15 6 2 3 4 Allentow, P. 16 13 2 1 3 4 Nordik, Va. 76 52 15 6 2 3 4 Mathington, D. C 240 110 84 23 7 18 1 Nordik, V. 76 52 15 6 2 3 4 Mathington, N. 78 52 16 4 7 11 Mobie, Allentow, P. 16 13 2 1 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 52 15 6 1 2 3 1 Nordik, V. 78 51 13 7 2 1 7 1 Nordik, V. 78 51 14 3 1 Nordik, V. 79 51 14 3 1 Nordik, V. 1351 18 5 19 10 14 3 1 Nordik, V. 1351 18 5 19 10 14 3 1 Nordik, V. 1351 18 18 5 19 12 3 Nordik, V. 1351 18 18 5 19 12 3 Nordik, V. 1351 18 18 19 10 12 3 Nordik, V. 135 18 18 19 10 13 1 Nordik, V. 135 18 18 19 10 12 3 1 Nordi | Reporting Area | | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I** Total | Reporting Area | | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I** Total |
| beston, Marsa m. 1/2 90 43 13 8 18 21 Bakimor, Md 275 166 94 42 15 2 3 5 Bakimor, Md 275 146 88 22 6 Fall.Newr, Mass 25 19 5 1 | | | | | | | | | S. ATLANTIC | 1,213 | 721 | 314 | 103 | 29 | 46 | 56 |
| Cambridge, Mass § 28 28 2 Failwer, Mass 25 19 5 1 2 Failwer, Mass 27 17 8 3 1 - 2 New Haver, Conn. 45 22 10 6 3 4 4 5 New Haver, Conn. 45 22 10 6 3 4 4 5 New Haver, Conn. 45 22 1 1 6 Frowdence, RI, 60 3 2 2 2 1 1 6 Frowdence, RI, 60 3 2 2 2 1 1 6 Frowdence, RI, 60 3 2 2 2 1 1 6 Frowdence, RI, 60 3 2 2 2 1 1 6 Frowdence, RI, 60 3 2 2 2 1 1 6 Frowdence, RI, 60 3 2 2 6 1 1 6 Frowdence, RI, 60 3 2 2 6 1 1 Waterbury, Conn. 44 15 7 2 1 Waterbury, Conn. 44 15 7 2 1 Waterbury, Conn. 44 15 7 2 1 ES. CENTRAL 823 494 212 65 27 25 3 Alertown, Pa Alertown, Pa Alertown, Pa Jackson Waterbury, Conn. 44 15 7 2 1 ES. CENTRAL 823 494 212 65 27 25 3 Alertown, Pa Jackson Waterbury, Conn. 24 15 7 2 - 2 1 Waterbury, Conn. 44 15 7 2 1 ES. CENTRAL 823 494 212 65 27 25 3 Alertown, Pa Jackson Waterbury, Conn. 24 15 7 2 - 2 1 ES. CENTRAL 823 494 212 65 27 25 3 Alertown, Pa Jackson Waterbury, Conn. 24 15 7 2 - 2 1 ES. CENTRAL 1242 804 212 65 27 25 3 Alertown, Pa Jackson Waterbury, Conn. 24 15 7 2 - 2 | | | | | | | | | Atlanta, Ga. | 156 | 94 | 42 | 15 | 2 | 3 | 5 |
| Fall River, Mass. 25 19 5 1 - - Jacksonville, Tile. 71 46 15 7 2 1 Lowell, Mess. 23 16 4 2 1 - 3 Maren, Tile. 59 48 16 4 2 4 4 3 Maren, Tile. 50 44 4 4 3 3 1 - 1 Maren, Tile. 50 42 10 5 44 4 4 3 3 1 - 1 1 1 1 1 1 1 1 1 1 1 3 1 < | | | | 9 | 2 | 1 | | | | | | | | | 8 | 8 |
| Hentford, Com. 61 39 19 2 - 1 2 Hentford, Com. 61 39 19 2 - 1 2 Hentford, Com. 61 32 11 6 4 2 1 - 3 Norde, Va. 75 49 16 4 2 4 4 Lynn Mass. 23 16 4 2 1 - 3 Norde, Va. 75 49 16 4 2 4 4 Lynn Mass. 23 16 4 2 1 - 4 Rechmond, Va. 63 40 10 5 4 4 3 Stremmon, R, Fa 4 2 25 10 10 6 4 4 3 Stremmon, R, Fa 4 2 25 10 10 6 4 2 1 5 Stremmon, R, Fa 4 2 25 10 10 6 4 2 1 5 Stremmon, R, Fa 4 2 25 10 10 6 4 2 1 5 Stremmon, R, Fa 4 2 26 10 10 8 4 2 3 7 16 11 Workerster, Mass. 66 48 14 1 2 1 5 Stremmon, Pa 13 8 83 29 12 7 7 5 3 MUBATLAVIIC 2.443 1.575 503 238 66 62 99 Suffalo, N, 7 78 52 15 6 3 3 1 3 3 - 6 Stremmon, Fa 138 83 29 12 7 3 1 2 2 Altentow, Pa 13 8 2 4 4 1 2 3 3 3 - 6 Stremmon, Fa 138 83 29 12 7 3 1 2 2 Altentow, Pa 13 8 2 4 - 1 - 1 Stremmon, Pa 13 8 13 7 3 25 7 1 1 3 1 1 Strems, Fa - 1 3 Jersey Cit, N, J 30 25 7 1 1 3 1 1 Strems, Fa - 1 3 Jersey Cit, N, J 30 13 2 4 - 1 - 3 Jersey Cit, N, J 30 13 2 4 - 1 - 3 Jersey Cit, N, J 30 13 2 2 1 - 1 3 Jersey Cit, N, J 30 13 2 2 1 - 1 3 Jersey Cit, N, J 43 32 10 4 - 1 - 3 Jersey Cit, N, J 43 32 19 10 4 - 1 - 3 How Shire, Fan. 199 54 22 9 14 7 2 Jersey Cit, N, J 43 32 19 19 3 10 3 Auton, Tex. 52 31 8 13 7 5 50 Nevrak, N, J 53 13 2 7 4 - 7 3 Baton Rouge, La 41 2 0 20 8 107 62 5 50 Nevrak, N, J 63 30 11 9 3 10 3 Auton, Tex. 52 31 8 13 7 5 50 Nevrak, N, J 63 30 11 9 3 10 3 Baton Rouge, La 41 2 6 2 3 9 10 7 5 Stremson, Fat. 32 9 14 5 5 - 1 Stremson, Fat. 32 9 14 5 5 5 - 1 Stremson, Fat. 32 9 14 5 5 - 1 Stremson, Fat. 32 9 14 5 5 - 1 Stremson, Fat. 33 9 85 4 3 3 Pritsburgh, Pat. 61 19 3 10 3 4 Stremson, Fat. 32 9 14 5 5 - 1 Stremson, Fat. 33 9 85 4 3 3 Stremson, Fat. 30 2 10 6 17 2 Stremson, Fat. 30 20 6 6 1 Stremson, Fat. 30 20 6 6 1 Stremson, Fat. 40 7 7 2 1 7 Stremson, Fat. 40 7 7 2 2 1 7 Stremson, Fat. 40 7 7 2 2 1 1 Stremson, Fat. 40 7 7 2 2 1 1 Stremson, Fat. 40 7 7 2 2 1 1 | | | | 5 | 1 | - | - | 2 | | | | | 6 | 1 | | 7 |
| Lovell, Mass 23 16 4 2 1 - 3 Norda, Va. 75 49 16 4 2 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 3 Norda, Va. 63 40 10 5 4 4 2 2 1 5 Norda, Va. 63 10 Norda, Va. 64 10 Norda, Va. 74 Norda, Va. 7 | | | | | | - | 1 | 2 | | | | | | | 1 | |
| Lynn, Mass. 21 177 8 3 1 | Lowell, Mass. | 23 | 16 | 4 | 2 | 1 | - | | | | | | | | 4 | |
| New Bedroid, Mass. 29 17 8 3 1 - 2 Sevenneh, Ga. 45 22 10 6 3 4 5 Somervile, Mass. 42 2 1 - 1 6 St. Persburg, Fia. 2 20 10 6 2 3 3 Somervile, Mass. 48 2 2 2 - - 1 Finne, Fia. 2 20 10 6 2 7 5 5 Syntheyle, Mass. 48 14 1 2 - - 1 5 5 5 33 | | | | | - | - | - | - | | 63 | 40 | | | | | |
| Provence, Fil. 60 32 25 1 1 6 Tampa Fau P. Pre. 36 26 12 8 2 3 7 16 11 Springfield, Mass. 48 28 10 8 - 2 3 Withington, DC. 240 110 84 23 7 16 11 Withington, DC. 240 110 84 23 7 16 11 Withington, DC. 10 84 21 26 5 7 25 3 Albaro, NY. 78 52 15 6 2 3 4 Allentow, Pa. 16 13 2 1 1 Buffal, NY. 78 52 15 6 2 3 4 Allentow, Pa. 16 13 2 1 1 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 57 8 33 29 7 3 2 1 2 7 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 15 6 2 3 4 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 16 3 9 21 51 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 78 52 17 3 1 2 - 1 - 1 Mortgoiner, Ala. 54 37 11 4 2 - 3 Buffal, NY. 1.351 828 298 165 39 21 51 Avear, NJ. 63 30 11 9 3 10 3 - 2 - 2 Preaching, Pa. 19 50 16 7 9 9 21 51 Avear, NJ. 63 10 11 9 3 10 3 - 2 - 2 Preaching, Pa. 19 50 16 7 9 9 21 51 Avear, NJ. 63 12 25 7 1 3 2 - 2 - 2 Preaching, Pa. 19 50 16 7 9 50 21 53 Avear, NJ. 63 12 25 7 1 3 2 - 2 - 2 Preaching, Pa. 19 50 16 7 9 50 21 53 4 2 - 1 Sun Anchouge, La. 46 20 8 12 3 3 Sun Anchouge, La. 46 20 8 12 3 3 Sun Anchouge, La. 46 20 8 12 3 3 Sun Anchouge, La. 46 23 9 10 7 7 Baterson, NJ. 41 20 7 4 1 | | | | | • | 1 | - | | Savannah, Ga. | | | | 6 | | | 5 |
| Somervie, Mass. 2 2 - - - - - - - - - - - - - - - - 1 Waterbuy, Conn. 24 15 7 2 - - 1 Waterbuy, Conn. 24 15 7 2 - - 1 Worester, Mass. 66 48 14 2 1 2 1 5 5 33 MiD ATLANTIC 2.443 1.575 503 236 66 62 99 Birninghem, Ala, 130 3 < | | | | | | - | | | | | | | | 2 | | |
| Springfield, Mass. 48 28 10 8 - 2 3 Wainington, Det. 115 64 2.3 7 10 115 4 - - - - 1 Waterbur, Com, 24 15 7 2 - 1 ES. CENTRAL 823 94 212 65 27 25 33 Wainington, NY 16 13 2 1 1 5 5 7 1 3 2 1 1 5 5 7 1 3 2 - 1 - 1 3 1 1 5 3 7 11 4 2 - 3 3 1 1 2 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 1 2 3 3 1 1 2 3 3 1 1 | | | | 20 | - | - | | 0 | | | | | | 2 | | 3 |
| Waterbuy, Conn. 24 15 7 2 - - 1 Worrester, Mass. 66 48 14 1 2 1 5 MD ATLANTIC 2.443 1.575 503 236 66 62 99 7 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 2 1 2 2 3 1 1 3 1 1 3 1 1 1 3 1 1 3 1 | | | | 10 | 8 | - | 2 | 3 | | | | | 23 | | 10 | |
| MD ATLANTIC 2.443 1.575 503 236 66 62 99 Birminghem, Aia 138 53 2.2 1 2 3 1 3 </td <td>Waterbury, Conn.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>, and the second second</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>•</td> | Waterbury, Conn. | | | | | | - | | , and the second second | | | - | | | | • |
| MD ATLANTIC 2.43 1.575 503 236 66 62 99 Chattanooge, Tenn. 50 32 12 3 2 1 2 3 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1 <th< td=""><td>Worcester, Mass.</td><td>66</td><td>48</td><td>14</td><td>1</td><td>2</td><td>1</td><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>33</td></th<> | Worcester, Mass. | 66 | 48 | 14 | 1 | 2 | 1 | 5 | | | | | | | | 33 |
| Albarn, N.Y. 61 38 14 3 3 3 3 3 5 6 7 2 2 5 3 1 2 3 1 2 3 1 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2 1 | | 2 4 4 3 | 1 5 7 5 | 503 | 236 | 66 | 62 | 00 | | | | | | | | 5 |
| Allentówn, Pa 16 13 2 1 | | | | | | | | 33 | Chattanooga, Ter | | | | 3 | | | |
| Buffalo, NY, 78, 52, 15, 6, 2, 3, 4 Carden, NJ, 37, 25, 7, 1, 1, 3, 1 Einzebeth, NJ, 20, 14, 3, 2, -, 1, -, 1 Jersey Chy, NJ, 1, 34, 34, 10, 4, -, -, 1 Jersey Chy, NJ, 1, 34, 34, 10, 4, -, -, 1 Jersey Chy, NJ, 1, 34, 35, 29, 16, 39, 21, 51, 34, 37, 11, 4, 2, -, 3, 34, 37, 11, 4, 2, 4, 2, 30, 37, 11, 4, 2, 4, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, | Allentown, Pa. | | | 2 | | - | | - | Louisville Ky | | | | | | | |
| Camden, N.J. 37, 25, 7, 1, 1, 3, 1, Mobie, Ala. 78, 37, 29, 7, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 3, 2, 3, 3, 2, 3, 3, 3, 3, 3, 3, 4, 4, -, -, 1, 3, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 2, 2, 3, 1, 1, 2, 4, 4, 2, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, | | | | | | | | | | | | | | | 7 | |
| $ \begin{array}{c} \mbod regime r, Nale. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$ | | | | | | | | 1 | Mobile, Ala. | | | 29 | | 3 | | |
| jersey City, N.J. 4.9 3.4 10 4 - 1 Towark, N.J. 1.828 2.98 165 39 2.1 15 Nevark, N.J. 63 30 11 9 3 10 5 Phitadelphia, Pa 221 199 60 16 7 9 9 Pristourp, Pa.t 61 36 7 3 2 3 - Reading, Pa. 32 26 4 3 - - 7 El Paso, Tex. 49 28 9 5 4 3 - - 7 El Paso, Tex. 49 28 9 5 4 3 - - 7 El Paso, Tex. 49 28 27 1 4 5 2 2 1 - 7 14 5 2 1 1 5 7 10 1 4 5 1 1 5 6 7 7 | | | | | | | 1 | | | | | | | | - | |
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| | | 79 | 50 | 17 | 5 | 5 | 2 | 5 | | | | | | | | |

*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. ** Pneumonia and influenza.

t Because 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.

ttTotal includes unknown ages.

§ Data not available. Figures are estimates based on average of past 4 weeks.

Vol. 34/No. 30

MMWR

Agricultural Insecticide Poisoning - Continued

symptoms than is the amount of the depression. Because moderate exposure on a continuing basis produces a cumulative effect, continuous moderate exposures may cause the cholinesterase level to gradually fall; a sudden, unexplained onset of symptoms may occur when the cholinesterase level falls below a "threshold" in the worker. Thus, symptomatic workers, and those with a demonstrated depression of cholinesterase activity, are at increased risk if they continue to work in jobs exposing them to cholinesterase inhibitors before they have fully recovered (9). State health officials have estimated that as few as 1% of the residue-induced illnesses among California field workers are reported (5).

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International Notes

Update: Acquired Immunodeficiency Syndrome — Europe

As of March 31, 1985, 940 cases of acquired immunodeficiency syndrome (AIDS) have been reported to the World Health Organization (WHO) Collaborating Centre on AIDS (Table 1). One hundred seventy-eight new cases were reported by the 17 countries corresponding with the Centre since December 31, 1984 (1), an average increase of 14 cases per week.

The greatest increases in the number of cases were observed in: France-47 new cases (three to four per week); United Kingdom-32 (two to three/week); and the Federal Republic of Germany-27 (two to three/week). In four countries (Belgium, Netherlands, Spain, and Switzerland), an increase of one case/week was noted; for the other 10 countries, zero to eight new cases were reported from January through March.

AIDS cases per million population were calculated from 1983 population data (Institut National d'Etudes Demographiques, [INED], Paris). The highest rates were noted in Denmark— 8.0; Switzerland—7.9; and France—5.6. These rates are low compared to the U.S. rate of 40.9 (April 1, 1985). The situation in Belgium is special, since 77% of the cases originate from Africa.

A total of 468 deaths were reported for the 940 cases (case-fatality rate: 50%). Fifty-two percent of the AIDS patients diagnosed 1 year ago and 86% of those diagnosed 3 years ago have died (Figure 2). Six hundred three patients (64%) presented with one or more opportunistic infections; 188 (20%) had Kaposi's sarcoma (KS) alone; and 143 (15%) had opportunistic

AIDS - Continued

infections with KS (Table 2). The category "Other" (six cases) includes three cases of progressive multifocal leukoencephalopathy (France—two; Denmark—one); two cases of isolated cerebral lymphoma (Switzerland and United Kingdom—one each), and one isolated Burkitt lymphoma of the brain (Federal Republic of Germany). The highest case-fatality rate (65%) was noted for patients with both opportunistic infection and KS. The case-fatality rate for opportunistic infection alone was 54%, and for KS alone, 24%.

Males accounted for 92% of the cases (Table 3). The male to female ratio was 11:1, compared with 15:1 for the United States. Forty-five percent of cases occurred in the 30- to 39-year age group.

Cases were geographically distributed as follows (Table 4):

European*: 756 cases (80% of total). Seven hundred twenty-five patients were living in Europe before the onset of the first symptoms, and 31 (4%) were living overseas (Zaire-10; United States-nine; Haiti-two; and one each in Bermuda, Burundi, Congo, Gabon, Ghana, Nicaragua, South Africa, Togo, and Venezuela). The country of residence was not specified for one patient.

Caribbean: 32 cases (3%). Thirty patients were living in Europe before the onset of the first symptoms: 26 Haitians diagnosed in France and one in Belgium; one Dominican and one Jamaican were living in the United Kingdom; one of unspecified origin was living in Switzerland. Two other Haitians diagnosed in France were living in Haiti.

African: 124 cases (13%). These cases were diagnosed in seven European countries and originated from 18 African countries. Sixty-five percent were from Zaire, and 10%, from the Congo. Among the remaining 16 countries, the number of cases varied from one to four. Two

*The word European refers to the patients originating from one of the 32 countries belonging to the WHO European region.

| Country | Oct. 1983* | Oct. 1984 | Dec. 1984 | Mar. 1985 | Rates [†] |
|------------------|------------|----------------|-----------|-----------|--------------------|
| Austria | 7 | - | 13 | 13 | 1.7 |
| Belgium | 38 | - | 65 | 81 | 8.2 |
| Czechoslovakia | 0 | 0 | 0 | 0 | 0.0 |
| Denmark | 13 | 31 | 34 | 41 | 8.0 |
| Finland | - | 4 | 5 | 5 | 1.0 |
| France | 94 | 221 | 260 | 307 | 5.6 |
| Federal Republic | | | | | |
| of Germany | 42 | 110 | 135 | 162 | 2.6 |
| Greece | - | 2 [§] | 6 | 7 | 0.7 |
| Iceland | 0 | 0 | 0 | 0 | 0.0 |
| Italy | 3 | 10 | 14 | 22 | 0.4 |
| Netherlands | 12 | 26 | 42 | 52 | 3.6 |
| Norway | - | 4 | 5 | 8 | 2.0 |
| Poland | 0 | 0 | 0 | 0 | 0.0 |
| Spain | 6 | 18 | 18 | 29 | 0.8 |
| Śweden | 4 | 12 | 16 | 22 | 2.7 |
| Switzerland | 17 | 33 | 41 | 51 | 7.9 |
| United Kingdom | 24 | 88 | 108 | 140 | 2.5 |
| Total | 253 | 559 | 762 | 940 | 2.4 |

TABLE 1. Reported acquired immunodeficiency syndrome cases and estimated rates per million population - 17 European countries

*These data were reported at the First European Meeting on AIDS held in Aarhus, Demark, October, 1983.

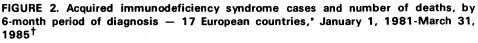
[†]Based on 1983 populations, INED, Paris.

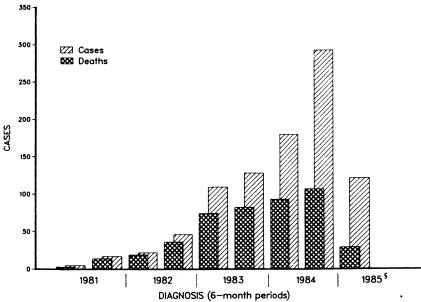
⁹Data of July 15, 1984.

AIDS - Continued

patients were of unknown origin. Sixty-seven patients (54%) were living in Europe before the onset of the first symptoms. Fifty-five resided in Africa, and one, in the United States; the country of residence was unknown in one case.

Other origins: 28 cases (3%). Most of these patients originated from the American continent: United States – 18; Canada – one; two each from Argentina and Brazil; and one each from Nicaragua, Peru, and South America (country unknown). One patient originated from Australia, and, one, from Pakistan. Twelve of these patients were not living in Europe before the onset of the first symptoms (United States – nine; Africa – one; unknown – two).





*Austria, Belgium, Czechoslovakia, Denmark, Finland, France, Federal Republic of Germany, Greece, Iceland, Italy, Netherlands, Norway, Poland, Spain, Sweden, Switzerland, and United Kingdom.

[†]Before 1981, 19 cases, including 11 deaths, were reported.

[§]January-March 1985.

| TABLE 2. Acquired immunodeficiency syndrome cases and number of deaths, by disease |
|--|
| category — 17 European countries,* through March 31, 1985 |

| Disease category | Cases (%) | Deaths (%) | |
|-------------------------|-------------|------------|--|
| Opportunistic infection | 603 (64.1) | 324 (53.7) | |
| Kaposi's sarcoma | 188 (20.0) | 46 (24.4) | |
| Opportunistic infection | | | |
| and Kaposi's sarcoma | 143 (15.2) | 93 (65.0) | |
| Other | 6 (0.6) | 5 (83.3) | |
| Unknown | 0 (0.0) | 0 (0.0) | |
| Total | 940 (100.0) | 468 (49.8) | |

*Austria, Belgium, Czechoslovakia, Denmark, Finland, France, Federal Republic of Germany, Greece, Iceland, Italy, Netherlands, Norway, Poland, Spain, Sweden, Switzerland, and United Kingdom.

AIDS - Continued

Among the 756 European AIDS patients, 627 (83%) were homosexual or bisexual. Twenty-five patients (3%) were drug abusers, and 10 (1%), both homosexual and drug abusers (Table 4); these 35 cases were diagnosed in: Federal Republic of Germany-11; Spain-10; France and Italy-five each; Austria-two; and Switzerland and United Kingdom-one each.

Twenty-seven (3%) were hemophilia patients diagnosed in: Federal Republic of Germany – 11; Spain – six; United Kingdom – four; France – three; and one each in Austria, Greece, and Sweden. One German hemophilia patient was reported as being both homosexual and a drug abuser.

For 11 patients (1%), the only risk factor found was blood transfusion. These cases were diagnosed in: France-seven; Belgium-two; and Netherlands and United Kingdom-one each. Four of these 11 patients had received blood transfusions overseas: one diagnosed in the Netherlands had undergone surgery in the United States; one diagnosed in France had re-

TABLE 3. Acquired immunodeficiency syndrome cases, by age group and sex — 17 European countries, through March 31, 1985

| Age group | Males | Females | Sex ratio | Total No. (%) |
|------------|-------|---------|--------------|------------------|
| 0-11 mos. | 5 | 5 | 1:1 | 10 (1.1) |
| 1-4 yrs. | 0 | 0 | | |
| 5-9 yrs. | 2 | 0 | | 2 (0.2) |
| 10-14 yrs. | 2 | 0 | | 2 (0.2) |
| 15-19 yrs. | 4 | 0 | | 4 (0.4) |
| 20-29 yrs. | 142 | 37 | 4:1 | 179 (19.0) |
| 30-39 yrs. | 399 | 22 | 18:1 | 421 (44.8) |
| 40-49 yrs. | 226 | 9 | 25:1 | 235 (25.0) |
| 50-59 yrs. | 57 | 5 | 11:1 | 62 (6.6) |
| ≥ 60 yrs. | 14 | 1 | 14:1 | 15 (1.6) |
| Unknown | 10 | 0 | | 10 (1.1) |
| Total | 861 | 79 | 11:1 | 940 (100.0) |

TABLE 4. Acquired immunodeficiency syndrome cases, by patient risk group and geographic origin — 17 European countries, through March 31, 1985

| | | | Nation | ality | | |
|-----|---|----------|-----------|---------|-------|-------|
| Pat | tient risk groups | European | Caribbean | African | Other | Total |
| 1. | Male homosexual or | | | | | |
| | bisexual | 627 | 4 | 9 | 21 | 661 |
| 2. | Intravenous drug abuser | 25 | - | - | - | 25 |
| 3. | Hemophilia patient | 27 | - | - | 1 | 28 |
| 4. | Transfusion recipient (without other | | | | | |
| | risk factors) | 11 | - | 5 | - | 16 |
| 5. | 1- and 2-associated | 10 | - | - | 2 | 12 |
| 6. | No known risk factor | | | | _ | |
| | male | 33 | 20 | 67 | 2 | 122 |
| | female | 18 | 7 | 32 | - | 57 |
| 7. | Unknown | 5 | 1 | 11 | 2 | 19 |
| To | tal | 756 | 32 | 124 | 28 | 940 |

474

ceived blood transfusions in Haiti and Martinique; and two diagnosed in Belgium had received transfusions in Zaire.

For 51 patients (5%), no risk factor was found, and the information was not obtained in five cases.

The AIDS epidemic continues to spread in Europe. The distribution of patients by age, sex, and geographic origin is the same as in the previous reports. Homosexuals are still the major risk group, but cases among intravenous drug abusers have now been reported in seven countries.

AIDS cases related to the use of clotting factor or to blood transfusions are also increasing. Cases among hemophilia patients have been reported in seven European countries. In some of these countries, hemophilia patients account for a high percentage of the total number of AIDS cases reported at a national level: Spain -21% (six of 29 cases); Greece -14% (1/7); Austria -8% (1/13); Federal Republic of Germany -7% (11/162); Sweden -5% (1/22); United Kingdom -3% (4/140); and France -1% (3/307). Among the hemophiliac population of these countries, AIDS cases vary from one to three per thousand. All seven countries have imported blood products from the United States in the past few years.

Two countries have reported cases among recipients of blood collected through the respective national blood banks (France—seven; United Kingdom—one). This indicates that, in European countries in which an AIDS focus is developing, the use of local blood products is not sufficient to ensure the safety of transfusions. Other measures recognized by the WHO Collaborating Centre on AIDS that can be taken to improve safety are: (1) preferential use, when possible, of cryoprecipitates rather than concentrates of factor VIII; (2) use of heattreated products; (3) selection of blood donors according to identified risk groups; and (4) screening anti-lymphadenopathy-associated virus/human T-lymphotropic virus type III (LAV/HTLV-III)-carrier blood donors.

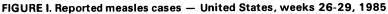
Finally, it is important to note that AIDS cases related to transfusion of blood or blood components are mainly the consequence of the dissemination of the AIDS virus in the general population. The transmission of LAV/HTLV-III by sexual contact is, at present, the principal route of dissemination. Health education programs (information on subjects in exposed populations, training health-care workers with respect to problems created by AIDS) are essential to set up public health strategies. These strategies must be selected by each country depending on the respective epidemiologic characteristics, sociocultural conditions and the available resources.

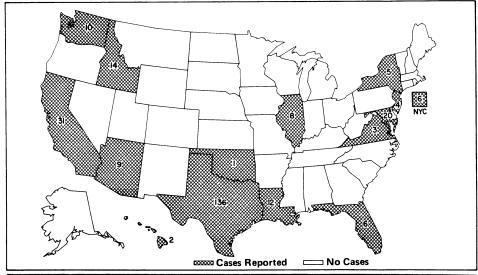
Editorial Note: As of March 31, 1985, 17 countries were participating in the surveillance of AIDS in Europe by reporting their respective data to the Centre, which uses the CDC case definition. One source per country, recognized by the respective national health authorities, provides the information. The national data are noted on standard tables; therefore, each source is responsible for the quality of the data provided.

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The editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials. Such reports and any other matters pertaining to editorial or other textual considerations should be addressed to: ATTN: Editor, *Morbidity and Mortality Weekly Report*, Centers for Disease Control, Atlanta, Georgia 30333.

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