programs. Nevertheless, the IHS estimated in 1993 that "sanitation before all Indian homes would have adequate facilities. deficiencies" totaling nearly \$600 million still needed to be alleviated

several innovative programs, the most successful of which was the between physicians and patients. sional staff and helped overcome cultural and linguistic differences vention services. The visitors extended the reach of the IHS profesto provide first-contact health care, health education, and disease pre-Field Health Project. Teams of Indian "health visitors" were trained an experimental basis in 1955 with the creation of the Navajo-Cornell training and supervision of paraprofessionals. The program began on tions across the country. To meet these challenges the IHS developed distinct languages and cultures scattered in remote and isolated loca personnel. Also, its "service population" included peoples of many from inadequate funding and chronic shortages of qualified medical though its budget was steadily increasing, the IHS continued to suffer Indian Health Service had to overcome several major difficulties. Al-To provide comprehensive medical care for Native Americans, the

regularly visited tubercular patients to encourage them to stay under assisted in the introduction of antituberculosis drug therapy and for their workers. As part of the health visitor program, Wauneka support, persuaded local employers to improve sanitary conditions paign to convince Navajos suffering from tuberculosis to undergo of the council Health Committee, she conducted an active caminvolved in local health care programs since the late 1940s. As head neka, a member of the Navajo Nation tribal council who had been treatment. She also inspected Navajo labor camps and, with council One of the many dedicated IHS health visitors was Annie Wau-

employed and supervised by their own tribes. Because they were fasic health skills, home nursing, nutrition, and environmental health ing and research center in Tucson, Arizona. Known as Desert Willow, pectations of Native people, and they explained to patients the imporways to accommodate their medical practice to meet the cultural exin "cross-cultural health delivery." They advised IHS physicians on miliar with local cultures and customs, the CHRs served as specialists services. The CHRs were all Native Americans, trained by the IHS but the center trained Community Health Representatives (CHRs) in badian Health Service in 1968 with the establishment of a national train-The paraprofessional program became a permanent part of the In-

> CHRs were serving 250 tribes in 400 rural communities. tance of modern medical procedures. By 1993, more than 1,400

and sought medical care at IHS facilities across the country. important resource as Native Americans became increasingly mobile on individual patients, including such items as immunization records, dental charts, and allergies. This centralized health database was an the confidential collection and output of a broad range of health data tem in the 1980s called the Resource and Patient Management System cations. The IHS also developed a high-tech information retrieval sysand make recommendations for further care of patients in remote lo-(RPMS). Computers at 200 IHS and tribal health offices facilitated mobile health centers. Physicians thus could assess medical problems tion to communicate by radio and television with paraprofessionals in Care). This remarkable program allowed physicians in a central locagram (Space Technology Applied to Rural Papago Advanced Health telemetry, the IHS in the mid-1970s inaugurated its STARPAHC proto improve its delivery of medical services. Using the most advanced The Indian Health Service also developed innovative technologies

often attracting from the reservations the few highly skilled professionals. staffs of many such urban clinics were predominantly Native American, programs, but were later taken over by state or federal agencies. The ical and health services. Many of the clinics started out as volunteer Seattle, San Francisco, and Los Angeles provided a wide array of medmunities as well. Indian clinics in cities such as Chicago, Minneapolis, reservation service, was later extended to serve off-reservation comthe cities. The IHS sanitation program, originally conceived as an ona growing number of Indian outpatient and social service programs in improved medical care from the Indian Health Service, but also from Native Americans living in urban areas benefited not only from

suicides and 90 percent of all homicides committed by Indians. The and 75 percent of all fatal accidents involving Indians were alcohol arrest rate of Indians for alcohol-related offenses was ten times higher related. In addition, alcohol was a factor in 80 percent of all Indian dians were twice as likely to die from accidents as were non-Indians, accidents were an especially severe problem for Native Americans. Indents, cirrhosis of the liver, homicide, and suicide. Alcohol-related tributing factor to four of the top ten causes of Indian deaths: acci-Force on Alcoholism reported in 1972 that alcohol abuse was a con-Americans in the twentieth century was alcohol abuse. The IHS Task The most chronic health problem affecting urban and rural Native

than for whites and three or four times the rate for other ethnic groups.

one critic, "it will restore your faith." "Here is a book so powerful it will not only break your heart," wrote ongoing struggle to care for an adopted child afflicted with FAS (Modoc). This moving firsthand account told the story of one family's the publication of The Broken Cord by Native writer Michael Dorris understanding of the tragic effects of FAS increased in 1989 following among our Indian people or we will cease to exist as Indians." Public fully: "I am convinced that we [must]...halt Fetal Alcohol Syndrome mind." Roberta Ferron (Rosebud Sioux) put the matter more forcechild drinks crazy water, the newborn will be crazy in the body and the Navajo elders used to say years back that if a woman about to bear a workshop on FAS during which one participant observed, "Some of its dangers. The Navajo Nation tribal council in 1982 conducted a the only "cure" for FAS, tribal leaders were eager to warn their people grees of physical deformity and mental retardation. With prevention alcohol during their pregnancy, and its symptoms include varying de-The condition is caused by mothers who consume large amounts of ally were high on reservations and in urban enclaves across America. dence of fetal alcohol syndrome (FAS) among Native Americans Rates of FAS varied widely for different tribes and regions, but gener-Perhaps the most heart-rending problem of all was the high inci-

No one has ever been able to determine, for certain, why Native Americans were unusually susceptible to alcohol abuse. By the late twentieth century, most scholars had abandoned the theory that Indians were genetically or physiologically inclined to alcoholism; the more favored explanations were those that emphasized cultural or social factors. Professor Theodore D. Graves of the University of California, Los Angeles, concluded that the status of Indians as "marginal men," ill-equipped to handle the stresses of modern life, caused them to "seek release from frustration and failure in drunken stupor."

For many Native American alcoholics, the origins of their problem seemed clear enough. Alcohol abuse was already so prevalent among their family and peers that they began drinking without giving it a second thought. "It seems now almost as though I was taught to drink, like children are taught anything by the example of the grown-ups around them," observed one forty-three-year-old Indian alcoholic in Chicago, who further remarked:

I can remember sitting around the kitchen on weekends, and everyone would come in Friday after work, with beer and sometimes liquor, and they'd start drinking. Me and my little brother, we'd just sit and watch them. I never thought about it, but I guess it always seemed to me the thing to do. Start drinking on weekends. And then, I guess, I just drank other times, too, until it was just out of my control.

The Indian Health Service devoted a great deal of its attention to the reduction of alcohol abuse among Native people, not only because it was such a serious health problem but also because it drained needed resources from the treatment of other diseases. By the early 1990s, 70 percent of all treatment services provided by the IHS were alcohol related. The IHS funded more than 200 alcoholism programs serving urban areas and reservations, often with the full cooperation of tribal officials. One of the most promising new programs, initiated by the Indian Alcohol and Substance Abuse Prevention and Treatment Act of 1986, authorized the establishment of youth treatment centers within each of the IHS service areas. In 1994 fifteen Native American alcohol-treatment programs joined forces, in a project called Healthy Nations, to develop culturally relevant prevention programs for Native people.

Native Americans also took the lead in developing innovative programs to combat the spread of the human immunodeficiency virus (HIV) and the acquired immunodeficiency syndrome (AIDS). Between 1987 and 1991 the number of AIDS cases among American Indians increased nearly sixfold, but remained relatively low compared with other ethnic groups. One noteworthy example of local initiative was the San Diego American Indian Health Center's HIV education and prevention program. The center provided comprehensive services for Indians infected with HIV and published an illustrated AIDS prevention booklet, *Coyote's Penis* (1990), by Native writer Clifford E. Trafzer (Wyandot). In 1994 a Navajo elder, Daniel Freeland, blessed seventeen HIV-infected Native people at a conference in Albuquerque. "You are warriors," said Freeland, lighting a bundle of sage. "Go that way. Don't let anyone else tell you otherwise."

The health care available to Native Americans during the late twentieth century was powerfully affected by the movement in federal policy toward self-determination. Two complementary pieces of federal legislation, passed in the mid-1970s, permitted tribal governments to take greater responsibility for providing health-care services for their people. The Indian Self-Determination and Education Assistance Act