OFFICE OF THE DIRECTOR NATIONAL INSTITUTES OF HEALTH



ADOLESCENTS TO SENIORS

OFFICE OF RESEARCH ON WOMEN'S HEALTH OFFICE OF THE DIRECTOR NATIONAL INSTITUTES OF HEALTH





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Black mothers are much more likely to die from pregnancy complications or other maternity-related causes than are mothers of other racial/ethnic groups. The maternal mortality rate for black mothers in 2002 was almost 25 deaths per 100,000 live births, compared to nearly 6 deaths per 100,000 live births among white mothers and more than 7 deaths per 100,000 live births among Hispanic mothers.

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The infant mortality rate for infants born to black mothers (nearly 14 deaths per 1,000 live births) is nearly double the infant mortality rate for infants born to mothers of all other racial/ethnic groups (7 deaths per 1,000 live births).

Many women of color do not avail themselves of health screening tests such as Pap smears and mam ofú an

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Ethnic and Racial Heritage

Of the nearly 294 million people estimated to be United States residents by the U.S. Census Bureau in 2004 (as of July 1, 2004), more than half (149,117,996 or 50.8 percent) were women. More than 48 million of these were women of color. These 48.3 million women of color were distributed as follows: 41 percent Hispanic, 39 percent black non-Hispanic, nearly 13 percent Asian non-Hispanic, 0.4 percent Native Hawaiian or Other Pacific Islander (non-Hispanic), and 2.3 percent American Indian/Alaska Native (non-Hispanic). An additional 4 percent of women of color identified themselves as belonging to two or more races. Women of color are nearly a third (32.4 percent) of all U.S. women. In raw numbers, there are nearly 19 million black (non-Hispanic) women, nearly 20 million Hispanic women, more than 1 million American Indian/Alaska Native (non-Hispanic) women, more than 6 million Asian (non-Hispanic) women, and more than 197,000 Native Hawaiian or Other Pacific Islander (non-Hispanic) women.¹

The 2004 population estimates reflect an increase of 12 million over the 281 million people enumerated in the 2000 Cee[°] Cee[°] l1[°] r[°]c ncre m Te[°] la t an increr –e[°] otp

data are provided for the groups as available (e.g., Asians and Pacific Islanders jointly).⁶

The revised standards have five minimum racial categories: American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, and white. Ethnicity is to be reported as either "Hispanic or Latino" or "Not Hispanic or Latino." "American Indians or Alaska Natives" includes persons who trace their origins to any of the indigenous peoples of North and South America (including Central America) and who maintain a tribal affiliation or community attachment. "Asians" are persons having their origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent. This includes persons from, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. "Black or African American" refers to any person having origins in any of the black racial groups of Africa. Although this group is dominated by descendants of Africans brought to the United States during the slave era, it also includes more recent migrants primarily from Africa and the Caribbean.^{6,7}

"Native Hawaiian or Other Pacific Islander" includes persons who trace their origins to any of the indigenous peoples of Hawaii, Guam, Samoa, or other Pacific Islands. The term "Native Hawaiian" does not include individuals native to the state of Hawaii by virtue of being born there. Pacific Islanders include people with the following origins: Carolinian, Fijian, Kosraean, Melanesian, Micronesian, Northern Mariana Islander; Palauan, Papua New Guinean, Ponapean (Pohnpelan), Polynesian, Solomon Islander, Tahitian, Tarawa Islander, Tokelauan, Tongan, Trukese (Chuukese), and Yapese. "

percent of individuals living in female-headed American Indian households lived in households with incomes below the poverty level, as did 30 percent and 25 percent of comparable Eskimo and Aleutian households.¹⁷ More than one-third (34 percent) of all American Indian/Alaska Native children under the age of six are estimated to live in poverty.^{17,*}

This poverty stems from the high unemployment rates ammedia both American Indian/Alaska Native men and women. In 2000, although unemployment for men of all races was nearly 6 percent, among American Indian men the rate was 13 percent. American Indian women were slightlyribettertholff than American Indian men, with an _____ r ol ier q woiwrstem th



and shame. Some individuals with cancer are ostracized from their communities because of the belief that the person with cancer is contagious with the "cancer spirit." Many believe that discussing cancer will "invite the cancer spirit into one's body." Even when discussion of cancer and cancer prevention is acceptable in a community, cancer prevention can be hindered by other barriers. Cancer education materials requiring high literacy levels are often provided to communities where literacy rates and reading comprehension levels are low. Screening facilities are often located far from communities, and the lack of culturally sensitive providers can discourage American Indians and Alaska Natives from returning for care.⁵⁸

The response to the human immunodeficiency virus/acquired immunodeficiency syndrome (HIV/ AIDS) by American Indians/Alaska Natives reflects their long history of mistreatment by the U.S. government and, consequently, the complexities related to providing services to them.⁵⁹ Both geographic and cultural barriers make it difficult for American Indians/ Alaska Natives to trust health care officials, health care systems, and researchers. Cultural barriers include prevailing feelings of distrust of the government. This distrust is due to a history of unethical medical research and health-related mistreatment by Europe... colonizers in centuries past (whose use of small infested blankets killed millions of American Traditions and by the Federal Government and its Indian Health Service in more recent times (that conducted experimental surgeries and performed unapproved sterilizations on American Indianas recently as the 20th century).⁵⁹ Geographic barriers can prevent American Indian/Alaska Native communities from getting funding and other resources to initiate 411V/

that are farthest from Asia. In 2000, 68 percent of Pacific Islanders—consisting of nearly 141,000 Native Hawaiians, more than 91,000 American Samoans, and nearly 28,000 Tongans—were Polynesians.⁶⁵ Ninetytwo percent of the residents of American Samoa are Native Hawaiian or Other Pacific Islanders, including both Samoans (who are 88 percent of the population) and Tongans (who are 3 percent of the population), in addition to the 3 percent who are Asian, 1 percent who are white, and the 4 percent who are of two or more

- --. . . patients must be referred off the island (mostly to Hawaii) for care. Tertiary care referrals consume 30 percent of American Samoa's health care budget and serve less than 1 percent of the population. Like American Samoa, the hospitals serving the Commonwealth of the Northern Marianas and the Federated States of Micronesia do not provide tertiary care, so patients must be referred off these islands. In both places, rules are being developed to cap the monies spent on off-island referrals. Equipment, supply, and drug shortages are common everywhere and result in the provision of lower qualities of care

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acceptable within Polynesian cultures where large body size is equated with power and respect.⁸⁸ In addition, Native Hawaiian culture emphasizes the preservation of harmony, which sometimes results in the tendency for individuals to minimize the importance of events such as illnesses that may set them apart or reflect disharmony. This tendency results in delays in seeking services.⁸⁸

One way to address the cultural barriers related to delivering health care services to Native Hawaiian women would be to incorporate traditional cultural systems such as Ho'oponopono (a family conference that ensures understandoo







populations who arrived after them constitute the largest of the ethnic groups in the United States today, numbering 35.3 million, with an additional 3.8 million Hispanics residing in the Commonwealth of Puerto Rico, according to the 2000 Census.⁸ Latinos were 12.5 percent of the U.S. population at that time. The more than 17 million Hispanic women were a little less than half of the 2000 total Hispanic population.¹⁰⁶ In 2004, the Census Bureau estimated that 41.3 million Hispanics lived in the United States, including nearly 20 million Hispanic women.¹ In 2004, Latinos constituted 14 percent of the total U.S. population, an increase over their 2000 population share. The proportion of Latinas in the population remained the same, however, at 48 percent.

Today, those who identify themselves as Hispanic or Latino come from a variety of countries in Latin America, the Caribbean, and Europe, with nearly a fifth (19.3 percent) having arrived in the United States between 1990 and 2000.107 The major Hispanic subgroups identified in the 2000 Census are Mexican Americans (more than 58 percent), Puerto Ricans (almost 10 percent), and Cuban Americans (nearly 4 percent). Those who identified themselves as Other Hispanics constituted about 28 percent of the more than 35 million Hispanics in the continental United States. This subgroup includes Central Americans (almost 5 percent of all Hispanics), South Americans (almost 4 percent of all Hispanics), persons from the Dominican Republic, known as Dominicans (more than 2 percent of all Hispanics), Spaniards (0.3 percent of all Hispanics), and an additional 17.3 percent of the Hispanic population who did not specify their country of origin ("All Other Hispanics").8

Reasons for Latino immigration have varied by subpopulations. In addition to the history of Spaniards and Mexicans in what is now the southwestern United States, Mexican immigration to the United States results from several factors—proximity of Mexico to the United States, the long shared border between the two countities, and metrometambe a each s

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(61 percent) and populations from Central and South



of Cubans, the 18 percent of Mexican Americans, the 19 percent of Other Hispanics, and the 28 percent of Puerto Ricans who are covered by Medicaid.⁴¹ For example, Hispanic residents of New York and California are more likely to be enrolled in Medicaid than are equally poor Hispanics in either Florida or Texas, although all four states are among the seven states in which 77 percent of U.S. Latinos reside.¹²⁹ Beyond the likely lack of employer-sponsored health insurance, the working poor face double jeopardy with respect to health care because they cannot afford to pay costly medical bills out-of-pocket and because they do not qualify for federal programs such as Medicaid. Some of the Hispanic working poor have the added disadvantage of lacking U.S. citizenship and thus are ineligible for federal health assistance programs, even if their incomes are low enough.¹³⁰

Of the more than 7 million Hispanic women ages 16 years and older who worked in 2004, nearly 24 percentriverkednenlagestifting, coniformed to 27 percent xcent of nates here Bergeres A desiring and the prevent construction and in the second of the second second second second women.

Mexicans with better mental health are more likely to immigrate to the United States than are their counterparts with impaired mental health—the selective migration hypothesis noted previously.¹⁴¹

Other research suggests that the relationship among perceived discrimination, acculturative stress, and mental health assessed using the CES-D (Center for Epidemiological Studies-Depression) scale may be more complex.¹⁴² Although experiencing discrimination was directly related to depression, the extent of the resulting depression varied, with perceived discrimination and acculturative stress having a stronger and heightened effect on depression levels among U.S-born than among Mexican-born respondents.

Regardless of degree of acculturation, however, d ts mo e'

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Cultural factors also influence the spread of HIV infection and AIDS among Hispanics. In traditional Hispanic cultures, men and women have distinct gender roles, and women are not supposed to have advanced knowledge about sex and sexuality. In the home, females are provided less information and education about sexuality than males. Language barriers can prevent women from being educated elsewhere. Thus, women may not know the risk factors for HIV/ AIDS and may engage in risky behaviors unknowingly. However, even if they know the risk factors for HIV/ AIDS and want to engage in safer sexual behaviors, they could be considered immoral and promiscuous if they discuss condom use with their partners. This concern may lead some women to forgo condom use with their partners, rather than risk embarrassment and stig nt nirss-



admixture with whites, whose overall prevalence of hypertension is lower than that of African Americans. However, those same researchers have not measured actual genetic differences between lighter- and darkerpigmented blacks—instead, skin color differences were used as a proxy for presumed genetic differences. An alternate explanation for the hypertension disparity is that darker-pigmented . .
poor access to health care services, lack of education and knowledge about cancer prevention and screening, mistrust of the health care system, fear and fatalism concerning treatment, and dealing with other competing priorities, such as food, shelter, and safety.¹⁹⁰

Racial discrimination and racism have remained significant operative factors in the health and health care of blacks over time. From as early as 1867, black spokespersons concluded that racism was a major contributor to the poor health of black Americans in two significant ways. First, "structural racism" creates barriers to getting access to adequate care, and, second, dealing with both structural barriers and racial insults may contribute to stress-related health problems such as pregnancy-induced hypertension among black women and long-term elevation of blood pressure levels.^{191,192} Stress related to racism also may underlie the overeating and resultant obesity common in black women and may be associated with their twofold prevalence of diabetes relative to white women and their 50 percent greater prevalence of hypertension relative to white women.^{41, 193-195}

Stress related to racism has been linked to the high rates of high blood pressure in blacks.¹⁹⁶ "John Henryism," defined as the behavioral predisposition to work hard and strive determinedly against the constraints of one's environment, has been advanced as one explanation for the black-white differences in hypertension rates. 197, 198 Working hard and striving determinedly against racism often results in higher rates of hypertension among blacks because the constraint does not yield to the effort applied. Other research suggests that blood pressure becomes elevated among blacks in connection with perceived racial discrimination at work, in reaction to movie scenes depicting angry and racist confrontations, and when discussing topics related to racism.¹⁹⁹ An analysis of the relationship between self-reported experiences of racial discrimination and blood pressure among black men and women indicates that blood pressure is lower among those who reported they challenged unfair treatment and expressed anger than among those who accepted

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for black and white women is the fact that as black women age from adolescence to the early 40s, they are more likely to give birth to infants with either low birthweight or very low birthweight. This "weathering" effect is not noted in white women and may be evidence of the physiological response by black women to cumulative stressors such as racism, discrimination, and socioeconomic disadvantage.^{209,210}

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Although black women are more likely than white women to delay receiving prenatal care and are less likely to receive prenatal care at all, differences in *the use software* natal *care cand contract and the care at all*, differences of *pa sphid no* pregnancy do not fully account for disparities between black and *varies.* Swomen in the rindicative of birthess of infants with low and very-low weights.²⁰⁷ Even when beginning p wece of of 5 e 8 n

A majority of black women (52 percent) who were infected with HIV, the human immunodeficiency virus that causes AIDS, in 2004 could not or did not identify the source of their infection. Heterosexual contact (39 percent of cases) was the major reported source of HIV infection, followed by intravenous drug use (9 percent). Intravenous drug use was indicated as the cause of HIV infection for 14 percent of all cases ever reported (1985 through 2004) among black women, while heterosexual contact was indicated as the cause of infection for 45 percent of all cases ever reported among black women. This dual pattern among causes of transmission is the same for women of all racial/ ethnic groups, although among American Indian or Alaska Native women, intravenous drug use was much more common as a cause of HIV infection. Cumulatively, 28 percent of all cases of HIV infection ever reported among American Indian or Alaska Native women are attributed to intravenous drug use and 45 percent to



ing majority of the total. The 1990 Census counted 7.2 million Asians and Pacific Islanders, with Asians totaling more than 69 million (96 percent). While more than 10 million Americans selected an Asian race as their only designation in the 2000 Census, an additional 1.6 million people indicated that their race was Asian along with another racial background.² Asians were more than 3 percent of the total U.S. population and about 15 percent of all people of color (who designated a single race category in 2000).² Asian women are 12.6 percent of all women of color and 52 percent of all Asiah Americans.⁵ Ine2034(s)the Census Bureau estimated that 12.3 million Americans were Asian alone, including 6.4 million women (nearly 52 percent of all Asian Americans).¹

addition, Chinese wives of laborers were barred from

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subgroup, however, the proportions uninsured range from a low of 8 percent among third generation and higher Asian and Pacific Islander Americans, to a high of 34 percent among Koreans, and 27 percent among Southeast Asians. Koreans and Southeast Asians were also the least likely to have health insurance coverage through their employers (48 and 49 percent, respectively). However, Koreans also were the subpopulation most likely to have privately purchased insurance coverage (14 percent). Southeast Asians were the group most likely to have Medicaid coverage (18 percent) during 1997, a marked decline from the more than two-fifths (41 percent) reporting this coverage in 1994. This decline is doubtless associated with the severing of the link between welfare recipiency and Medicaid eligibility when the AFDC (Aid to Families with Dependent Children) welfare program was reformed into the TANFre" as reformed e TFDC

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of Vietnamese women in Seattle found that nearly

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с 1 1 higher overall rates in the United States.²⁷⁵ Breast cancer is the most common cancer among Chinese, Filipino, Japanese, and Korean women, and the second most common cancer for Vietnamese women.²⁷⁶

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Prenatal care is yet another form of preventive care that many Asian American women do not receive. This is due to a variety of cultural and socioeconomic factors, including lack of knowledge about its importance. If MOOGNOM, for Example, They hot seek prenatal care because they do not consider pregnancy an illness that necessitates the use of Western medicine and care. However, studies suggest that when they are educated ' ledgç edand e ar ' ledgç

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Even if Asian American patients seek care, language barriers (lack of English proficiency and a shortage of health care providers who possess the necessary cultural and language skills) limit nearly half of the Asian/Pacific Islander population's ability to access the mental health care system.²³³ Although Asian American patients prefer trained interpreters, sometimes patients' children or grandchildren are used to translate at medical appointments due to a lack of trained interpreters. However, family members may not be familiar enough with medical terminology to adequately translate, or may be reluctant to fully translate out of embarrassment or discomfort. This can compromise the quality of the patient's care.²⁸⁴

In addition, not all English medical/health terminology can be readily translated into the various Southeast Asian languages, nor can many Southeast Asian expressions describing physical and mental conditions be directly translated for U.S. health care providers. For example, there are no words in the Khmer language for medical terms such as "Pap testing," a fact that creates a barrier to increasing cervical cancer screening rates among Cambodian women.²⁸⁵ Not only do many Hmong (especially those born in Laos) have no knowledge of the human body organs or how they work, but most English medical and anatomical terms also have no equivalents in the Hmong language. Translators may need to use several sentences to translate a term that would require one word in English. In addition, Hmong from Laos are not familiar with chronic illnesses that can be "controlled but not cured." In Laos, "you got sick and you either got better or you died." Thus, it is difficult for many Hmong to understand diagnoses and treatments.²⁸⁶ Vietnamese women, due to cultural norms and modesty, generally do not distinguish between anatomical parts when discussing their genital area. Whereas "Americans distinguish every part," Vietnamese "talk generally about the bottom area of a woman," often referring to the cervix and uterus interchangeably. This can create difficulties for patientphysician communication, especially for a physician who is unaware of such cultural norms.²⁸⁷

Differences in cultural patterns, even among highly acculturated Asian Americans, suggest different interpretations of etiology, personal control, and responsibility with respect to health. For example, many Chinese follow the Confucian principle of behavior that discourages individuals from sharing upsetting information with other people. Thus, Chinese Americans may delay sharing health concerns with family or friends for fear of causing pain or discomfort. Likewise, they may be reluctant to consult physicians about health problems, believing that the problem is a personal issue best kept to themselves or among close family members.²⁸⁸ Japanese Americans, on the other hand, see health as a matter of will, with a strong emphasis on the mind-body connection. They are likely to believe that thinking about getting sick can make one sick. Filipino Americans, however, are more likely to emphasize the relationship between body and soul for health maintenance and illness prevention. For them, health is a moral statement about the correct fulfillment of social (particularly kin) obligations.²³⁴

If Asian Americans get to health care providers and if translators are available, communication still is not guaranteed, and appropriate care still may not be received.²⁸⁹ For example, differences between the medical systems in the United States and China constitute a further deterrent to Chinese Americans born in China but in need of health care in the United States. In China, physicians generally prescribe and dispense medication, charging only a nominal fee for their services; the major cost for the visit is the medications.²³⁰ Because the idea of a visit to a medical professional for a checkup without getting prescriptions for medications does not live up to the expectations of many Chinese Americans, they are reluctant to make visits for routine or preventive care.²³⁰

Some Korean Americans (especially the elderly), many of whom have extreme difficulty with English, report using the traditional Korean medicine hanbang, and other over-the-counter Korean home remedies rather than going to physicians in the United States. They avoid going to physicians because of communication and cultural difficulties. However, Korean Americans are more likely to use traditional medicine as a supplement to Western medicine than traditional medicine alone.²⁹¹

Other cultural characteristics that influence the health of Asian Americans are collectivism, familism, respect for authority, and a desire to preserve harmony within groups Asian cultures—like Hispanic cultures—often emphasize family decisionmaking. All family members are typically involved in learning all the details of a patient's condition, and decisions regarding care are made (often by the eldest son in the family) with the good of the overall group in mind.²⁹² In Korea, doctors are given absolute authority regarding treatment and Koreans generally trust doctors to make treatment choices. Thus, Koreans in the United States are often uncertain when faced with the practice of informed consent (which is required before surgical procedures in the United States) and must adjust to

the idea of having the ultimate choice in the course of medical treatment they undergo.²⁹³

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Although little research has been done on either alcohol or substance abuse among Asian American women, available research suggests that Asians use and abuse alcohol and other substances less frequently than members of other racial/ethnic groups.²⁹⁴ This has been attributed, in part, to the fact that Asians (especially Chinese, Japanese, and Koreans) are sensitive to ethanol, and drinking alcohol can result in facial flushing, or "flushing syndrome." Although this sensitivity to alcohol is rare among whites, 40 to 50 percent of Japanese possess it.²⁹⁴ Low drinking rates among all Asian American groups seem to be due to high percentages of abstainers.³⁷

One study of Asian populations found that Japanese Americans were the most likely to report having consumed any alcohol in the past year (38 percent), fol= lowed by Filipinos (32 percent), Koreans (29 percent), Hawaiian or Other Pacific Islander adolescent females were about 18 percent of the females of these respective populations. In 2000, an estimated 47 percent of the Hispanic population was age 19 years or younger, with female Hispanic adolescents 48 percent of all Latino adolescents.³ In 2000, 34 percent of all blacks and 33 percent of black females were age 19 years or younger, with adolescents constituting 16 percent of all black females.³

The share of the Asian American adolescent population also exhibits this constancy. Adolescents were 16 percent of the 1990 Asian American population.^{302,303} By 2000, adolescents' share of the Asian American population had fallen slightly, to 13 percent. Females comprised 49 percent of all Asian American adolescents in 2000.³ Twenty-seven percent of Asian Americans are 19 years of age or younger.³

Adolescents (ages 12 to 17) often live in singleparent families (33 percent), and many youth (birth to 18 years old) live in poverty (nearly 18 percent).^{171,304} The adolescent population most beset by these dual disadvantages is African American teens. Thirty-two percent of black youth (ages 5 to 17) lived in poverty in 2003, with an even greater share (61 percent) of black youth ages 5 to 17 years living in single-parent homes.³⁰⁵ Overall, 38 percent of youth (ages 5 to 17 years) in female-headed families live in poverty. This includes 48 percent of Hispanic, 46 percent of black non-Hispanic, and 33 percent of white non-Hispanic youth these ages in female-headed families.³⁰⁵

According to the National Longitudinal Study of Adolescent Health, 65 percent of adolescents in the lowest-income group (\$10,000 or less) live in single-parent homes. In addition, pronounced income differentials exist by race/ethnicity—teenagers of color comprised more than half of all adolescents whose families had incomes less than \$20,000³⁰⁶ Living in pol Longitudinal P n has .

Although the lack of health insurance and family poverty often constitute insurmountable barriers to adolescents in need of health care services, nonfinancial barriers also interfere with the ability of adolescents to get care and contribute to limited frequency of contact and the lack of relationships with providers. Services often are fragmented and '

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ده من من م مرجع operating a motor vehicle in an unsafe manner all can result either in morbidity or death. Sound nutrition and regular physical activity, two health enhancing behaviors, also are discussed for adolescent females of color. As noted in a report by the National Research Council and the Institutes of Medicine, "the U.S. Centers for Disease Control and Prevention has noted that six categories of behavior are responsible for 70 percent of adolescent mortality and morbidity: unintentional and intentional injuries, drug and alcohol abuse, sexu

younger than 20 years of age is Asian Americans. Births to females younger than 20 years of age, however, range from less than 1 percent among Chinese adolescents to nearly 5 percent among Filipino adolescents.¹¹⁰

Although Asian and Pacific Islander teens as a group are less likely than other female teens to become pregnant and give birth, selected Southeast Asian populations report high teen pregnancy rates. In California, between 1989 and 1998, Laotian girls had the highest teen pregnancy rate (189 per 1,000 teens) in the state, well above the state average rate of 118 per 1,000 teen females. The second highest rate in the state (183.9 per 1,000) was among Other Asians—including Malaysians and Indonesians. Chinese, Asian Indian, and Korean teen females in California had rates around 10 per 1,000 Different cultural norms (favoring marriage and pregnancy during the teen years) and the lack of materials targeted to preventing pregnancy among teens of these racial/ethnic groups are among the factors associated with these rates.331

Birth rates also are high for other selected teen populations. Adolescent childbearing is twice as common among Addestation Addition Add



Samoan population.³⁰² Elderly Native Hawaiian women

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FACTORS AFFECTING THE HEALTH OF WOMEN OF COLOR

population 85 years old and older is 46 males per 100 females, less than half that of the general population. The sex ratio for the population ages 65 years and older is 73.352 Although the sex ratios among the major racial/ethnic elderly subpopulations (ages 65 years and older) in 2002 were less than 100, they ranged from a low of 65 elderly black men per 100 elderly black women to a high of 77 elderly Asian and Pacific Islander men per 100 elderly Asian and Pacific Islander women.³⁵² The low sex ratio for elderly African Americans mirrors the generally lower ratios for all age cohorts. For example, the sex ratio for blacks ages 35 to 44 is slightly lower than the sex ratio for non-Hispanic whites ages 65 to 74.352 The high-end sex ratio for elderly Asians may reflect the historical gender imbalance among Asian immigrants to the United States, with Asian men often migrating alone initially.³⁵¹

Second, elderly women of color are more likely to be widowed than are elderly men of color. These differences are striking among even the younger-old (65 to 74 years), but become more pronounced for women of color in older age groups. For example, 37 percent of non-Hispanic black women 65 to 74 years of age were widowed, compared to 14 percent of black males. Sixty-nine percent of black women ages 75 years and older were

health necessity.³⁵⁷ Evidence of this pattern is suggested in the percentages of older women who live alone. Only 22 percent of Hispanic women ages 65 and older live alone—76 percent live with their spouse or other relatives. This compares to the 42 percent of non-Hispanic white and 40 percent of black elderly women who live alone.

to report that treatments are not satisfactory for fear of being ignored or receiving retaliation. In addition, conditions among the black elderly sometimes are misdiagnosed because most standard medical texts do not include discussions of the way skin color may affect the presentation or manifestation of disease.³⁶⁵ Because pressure sores or e ons atione a ne365

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problem among black and Hispanic women 65 years of age and older. Among black women, diabetes can be termed epidemic, with 26 percent of



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125 3f d/Rf `WeYV 4V_dfd (4f ccV_eA`af]ReZ _ Df cgVj, > RcTY 2002, 6eY_ZI R_U 9 ZdaR_ZI DeRezdeZId 3 cR_TY, A`af]ReZ _ 5 ZgZdZ _).

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- 147 @h V_d 3, 5 Z\dV_DC. CVgZ/h R_U TcZe26fV ` WeYV]ZeVcRefcV ` WT` ^ a]V^ V_eRcj R_U R]eVc_Re2fV eYVcRaj fdV R^ ` _X 9 ZdaR_ZT/=Re2_` h ` ^ V_ h ZeY ScVRde TR_TVc 4]Z_; @_T`]? fcdŽ2004, (2):151-6.
- **148** 3` αRj` 62, ; V_\Z_d DC. 7VV]Z_X \\ \ f XR]+D` TZ VT`_` ^ Z deRef d, RTTf]ef αReZ_, R_U Tf]ef αR] YVR]eY SV]Z/\ \ \ d R^` _X h`^V_` \\ > V \> VI ZTR_UVdTV_e 4f]ef c 5 Zg\/ \ ad 6eY_Z > Z_` c Adj TY`]Z2003, * (2).1*7-206.
- 149 4V_eVad Wc 5 ZłVRdV 4`_ec`] R_U AcVgV_eZ_. 9:622:5D Df agV2]]R_TV CVa` œ+ 4RdVd `W9:6 Z_WTeZ_ R_U 2:5D Z_eVV F_ZłVU DeReVdŁ #!!% (G`]. 16). 2e]R_eR, 82+F D 5 VaRœ^ V_e`W9VR]eY R_U 9f^ R_ DVagZIVd, 4V_eVad Wc 5 ZłVRdV 4`_ec`] R_U AcVgV_eZ_, 2005. 2gR2]RS]V Re+ Yœa +Zħ h h ŹIUTŹX`gźYZjźDE2EDź#!!%Df agV2]]R_TVCVa` œŻ aUW5 ReV 2TTVddVU+12/1/05.
- 150 > V_V_UVk 3D. 2:5D ^`ceR]Zej R^`_X A f Voe` CZTR_d R_U`eYVc9ZdaR_ZTd Z_?Vh J`c\, 1* 1-1* 7. ; 2TbfZc :^ ^ f_V 5VVZT Dj_UcZ1**0, 3+644-4.
- 1 51 2SV] 6, 4YR^ SVcd <3. 7RTe cd e/Re Z \\frac{V}FV_TV gf]_VcRS2[ki] e` DE5 d R_U 9:G/2:5 D R^ `_X 9 2da R_2T h `^ V_. 9VR]e/ 4Rc/ H `^ V_ :_eŽ2004, 25()+761- 0.
- 1 52 AV&RXR]` ?, 5 VW&XV 3, @'4R^ a` A =VV D>, <Z` J;, 4 IR_V]]ZC, 7V&Vc =. 2 dR_U` ^ I&VU T]Z_ZTR] @IR]` WR_ 9:G-cZt\-cVUFTeZ_Z_eV:gV_eZ_R^`_X]` h -Z_T` ^ V =ReZ_R h` ^ V_. ? f cd CVdŽ2005, 54(2)+10 -1.
- 1 53 >√√<Z_`_`_;. EYV S]RT\ a`af]ReZ_+#!!!. 4V_dfd 2000 3 cZ/WH RdYZ_Xe`_, 5 4+3f c/Rf` WeYV 4V_dfd, 2001. 2gR2]RS]V Re+Yeea - ezh h h ŽTV_dfdZX`gzac` Už#!!" af Sdž T#\Sd "1&ŽaUW5 ReV 2TTVddVU+12/1/05.

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WOMEN OF COLOR HEALTH DATA BOOK

FACTORS AFFECTING THE HEALTH OF WOMEN OF COLOR

- 249 ER\VfTYZ5E, J`f_X <?;. @gVcgZ/h `W2dZ_R_U ARTZMI :d]R_UVc2^VcZTR_d, Z_+KR_V ? H D, ER\VfTYZ5E, J`f_X <?; (VUd). 4`_W2_cZ_X TcZZTR] YVR]eY ZddfVd `W2dZ_R_U ARTZMI :d]R_UVc2^VcZTR_d. EY`fdR_U @R\d, 42+DRXV AfS]ZTRZ_d, 1**4, a. 3-21.
- 250 2f de2_ 8 2. 4f cdV_e VgZIV_TV `_ df SdeR_TV RSf dV R^ `_X 2dZR_-2^ VcZIR_j `f eV, Z_+JVV 3H <, > `\f Rf ?, <Z` D, 6a deVZ_ =8, ARTYVT` 8. 5 VgV] aZ_X Tf]ef cR] T` ^ a VeV_TV Z_ 2dZ_12^ VcZIR_ R_U ARTZVIT :d]R_UVc T` ^ ^ f_ZZVd+@aa` cef_ZZVd Z_ acZ` Rcj YVR]eV TRcV R_U df SdeR_TV RSf dV acVgV_e2_. H RdYZ_Xe_, 54+ 599D Af S]ZIRe2_?`. (D> 2) * -31*3, 1**.
- 251 6daVdRe > 4, :_`fjV;, 8`_kR]Vk 6H, @h V_ 54, 7V_X 5. 9VR]eY UZdaRcZeZVd R^`_X 2dZr_ 2^ VcZTR_d R_U ARTZMI :d]R_UVcd. 2__f CVg?fcd CVdZ2004, 22:435-5*.
- 252 CVVgVd E, 3V_Vee 4. EYV 2dR_ R_U ARTZMI :dJR_UVc a`af JReZ _ Z_ eYV F_ZVU DeReVd+> RcTY #!! #. 4f ccV_e A`af JReZ _ CVa`ced, A2O-540. H RdYZ_Xe`_, 54+3f cVRf `WeYV 4V_df d, 2003.
- 253 > Roz ; 2. 3 ZeY TYRORTeV cdezTd Wc 2 dR ` c ART 2/01 :d]R_UVc df SXc f ad, 1**2. > ` _ GZR] DeRe CVaZ1**5, 43(10)-Df aa]V^ V_e
- 254 =Vf_X > , =f > 4. 6eY_`Tf]ef dR] SRazVad e`TRdV. :_ A`JZj ARaVad. DR_7dR_TdT`+2dR_2^VaZR_ 9VR]eY 7`d`^, :_T., 1**0.
- 255 3f cVRf ` WeYV 4V_df d. EYV 2dZ_ R_U ARTZMT :d]R_UVc a`af]ReZ _ Z_ eYV F_ZEVU DeReVd+> RcTY "**" R_U "**!. 4f ccV_eA`af]ReZ _ CVa` ced, DVcZVd A-20, ?`. 45*. H RdYZ_Xe _, 54+F D 8`gVc_^ V_eAcZ_eZ_X @WMTV, 1**2.
- 256 3f cVRF ` WeYV 4V_df d. ERS]V 9:! " +9VR]eY Z_df dR_TV T`gVdRXV deRef d R_U ej aV ` WT`gVdRXV Sj dV]VTeVU TYRdRTeVa2deZI d+#!! \$L2dR_R]`_V. 2gR2[RS]V Re+Yeea +ž af SUS\$ŽTV_df dŽX`gž^ RTc ž! \$#!! %2(VR]eVžY! " P! "! ŽYe^.. 5 ReV 2TTVddVU+12/1/05.
- 257 > R_ 4, 9 f U^ R_;, DRJXR_ZT WW2, 7 Jd ^ 2. 7ZyV j VRcd]ReVc+A``ch`7^ V_'d YVRJeY ORCV T`gVCRXV RWVch VJWCd/ dVWc^.; 2^ > VUH`^ V_d 2dd`TZ2002, 57(1):16-22.
- 258 DYZ_ 9, D`_X 9, <Z` ;, Ac Sde; 4. :_df dR_TV, RTTf]ef dReZ _, R_U YVR]eY dVcgZV f e2]&ReZ _ R^ `_X <` dVR_-2^ VcZTR_d. ; :^ ^ ZKc 9 VR]eYŽ2005, 7(2)+65-74.
- 259 3c h _ 6C, A` _TV ? , CZIV E EYV deReV ` WYVRJeY Z_df d RXYYVZJXXR/XVQZX& ¢VTV_e ccV_UdŁ W/ef cV ac daVTedŽ

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- 2 ^ VcZTR_:_UZR_/2]Rd\R ? ReZgV h ` ^ V_ Z_ eYV ^ R[cZej ` W_UZR_ 9 VR]eY DVcgZTV (:9 D) dVcgZTV RcVRd YRU R]ZW Vi a VTeR_Tj ` W^ ` cV eYR_ 74 j VRcd SVeh VV_ 1**6 R_U 1** EYZd RgVcRXV]ZW Vi a VTeR_Tj Wc

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■ 2^ VcZTR_:_UZR_W^ R]Vd Z_ 4R]ZWc_ZR (1**6€1**) YRU R YZYYC JZW¢Vi aVTe&ZTj Re SZEY (7 .4 j VRcd) eYR_ eYVZ:T`f_eVc aRced Z_ R]]`eYVc:9D dVcgZTV RcVRd (6 .3 e` 76.7 j VRcd), Sfe]`h Vc eYR_ R]]h`^ V_Z eYV F_ZeVU

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:_ eYV aVcZ U 1**7€2000*, R^ `_X S` eY ^ V_ R_U h` ^ V_ `W9ZdaR_Z `cZXZ, AfVce` CZTR_d h VcV eYV ^` de]Zv]j e` cVa` ce eYVZ YVR]eY Rd WKZc` ca`` c (17 aVcTV_e), h YZV 4fSR_d h VcV eYV]VRde]ZvV]j (10 aVcTV_e). EYZceVV_ aVcTV_e` W > Vi ZTR_d cVa` ce/U WKZc` ca`` c YVR]eY. ¹³ 2 ^ `_X aVcd`_d` W2dZR_ `cZXZ, GZVe_R^ VdV 2 ^ VcZTR_d h VcV eYV ^ ` de][XV]] (40 aVcTV_e) R_U 4YZ_VdV 2 ^ VcZTR_d eYV][VRde][XV]] (11 aVcTV_e) e` d/a` œ WKZc` ca`` c YVR]eY Z_ 2001. :_ RUUZeZ_, 2* aVG TV_e` Wk` cVR_ 2 ^ VcZTR_d R_U 17 aVcTV_e` WR]] 2dZR_ 2 ^ VcZTR_d cReVU eYVZcYVR]eY Rd WKZc` ca`` c¹⁴ 3 Veh VV_ 1**7 R_U 2000*, 67

a VcTV_e`V4fSR_d RddVddVU eYVZc YVR]eY Rd Vi TV]]V_e`cgVcj X`U, h Y2V 60 aVcTV_e`WAFVœ`CZTR_d R_U 5* aVcTV_e`W> ViZTR_d cVa`œVU eYV dR^ V. :_ eYV dR^ V eZ^ V aVcZ U, 17 aVcTV_e`WAFVœ` CZTR_d, 13 aVcTV_e`W> ViZTR_d, R_U 10 aVcTV_e`W4FSR_d cVa`œVU WRZc`ca``cYVR]eY.¹³

^{*} EYV ^ ` de d/TV_e a VoZ U Wch YZY UReR Rd/ RgRZJRSJV Wc eYVdV df SXc f ad.

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- R_U`SVdZej h ZeYZ_eYV F.D. a`af]ReZ_YRd Z_TCVRdVU Z_dVTV_ejVRcd.²¹ :_aRceZff]Rc,`SVdZej¢RT`_UZeZ_ eYRe TRccZVd h ZeYZeR_Z_TCVRdVU cZd\`WYVRceUZdVRdV, UZRSVeVd, YZXY S]`U acVddfcV, cVdaZReig UZd`c UVcd, RceYcZeZd, R_U d`^V TR_TVcd¢ Zd R ac`S]V^Wc^Rcj h`^V_`W T`]`c @SVdZejR^`_X^R_jdfS-Xc`fad`Wh`^V_`WT`]`cZdcV]ReVU Z_aRceeieYVZcdVUV_eRcj]ZWdej]Vd R_U eiUZVe²²
- E:_ eVV aVcZ U 1***€2002, h YZeV _`_-9ZdaR_Z h`^V_RXVd 20 R_U `]UVch VcV ^ fTY ^`cV]ZvV] e SV ReR YVR]eY] h VZYeeYR_ VZeYVc eYVZc > Vi ZIR_ 2^ VcZIR_`cS]RT\ _`_-9ZdaR_Z T`f_eVcaRccd. > `cV eYR_ 70 aVcTV_e`WS`eY > Vi ZIR_ 2^ VcZIR_ R_U S]RT\ h`^V_RXVd 20 e` 74 h VcV`gVch VZYYe(71.2 R_U 77.1 aVcTV_e a \$
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Body Weight: Adolescent Females of Color

2 2003 _ReZ _R] df cgVj ` VWZY dTY``] def UV_ed cVa` ceVU eYRe _VRc]j eh`` WVgVcj VQV j`f_X 9ZdaR_ZT R_U h YZeV W^ R]Vd (36 R_U 3* aVcTV_e cVdaVTeQV]j) WJe eYVj h VcV`gVch VZYe T`^ aRcVU e`^` cV eYR_`_V` WVgVcj Wfc j`f_X 2WZTR_2^ VcZTR_W^ R]Vd (26 aVcTV_e). EYZd T`_ecRded h ZeY eYV df cgVj VZ_UZ_Xd eYRe S]RT\ W^ R]V j`feY RcV ^` cV]ZVJj e` SV`gVch VZYe (R]^` de 16 aVc TV_e) eYR_ VZeYVc 9ZdaR_ZT W^ R]Vd (_VRc]j 12 aVcTV_e)` ch YZeV W^ R]Vd (T]`dV e` aVcTV_e). (:_eYZd df cgVj, `gVch VZYe Zd UVc` df j

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2U']VdTV_eW^ R]Vd V_XRXVU Z_ `eYVcf_YVR]eYj SVYRgZ cd e`]`dV h VZXYe D`^V fdVU]Ri ReZgVd R_U

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Exercise

- AYjdZTR]RTe2g2ejac`g2UVd^f]eZa V SV_VWZed e`RU`V dTV_ed R_U RUf]ed. 7` c Vi R^ a]V, `_V def Uj 2]]f decReVU R dZX_ZV2TR_e UVTcVRdV Z_ df SdeR_TV RSf dV R_U UVacVddZ _ R_U R_ Z_TcVRdV Z_ aYj dZTR] VZe_Vdd R_U dTY`]RdeZT RTYZ/gV^ V_e R^ `_X yRe-cZd∖%ji`feYaRceZTZaReZ_XZ_R WZe_Vdd ac XdR^ .35
- 5 ZdVRdVd cV]ReVU UZVTejj e` R]RT\ ` W Vi VcTZdV, df TY Rd ej aV 2 UZRSVeVd, RdV ^ ` dV adVgR]V_e R^ ` _X RU`]VdTV_ed `WcRTZR]/VeY_ZT df Sa` af]Rez _d.³⁶
- 2S`feYR]W Wh`^V_`WT`]`c Z_1***-2001]VU dVUV_eRc V_eRg T Rdï d d (R^`_

77





Tobacco Use among Adolescent Females of Color

■ :_ eYV a Rde, d^ `\Z_X h Rd a VcTVZgVU RdR^R]VRTe2g2ej,SfeeYReaZTefcV Zd d]` h]j TYR_XZ_X. :_ 2003, eYV acVgR]V_TV ` WTZXRcVeeV f dV h Rd Vbf ZgR]V_e R^ `_X ^ R]V R_U W^ R]V h YZeV _` _-9ZdaR_ZT YZXY dTY` `] defUV_ed¢ 5 .7 aVcTV_e`WWV^ R]Vd dVa`œVUYRgZ_XVgVcfdVUTZXRcVæVd, T`^aRcVU e` 57.4 aVcTV_e`W ^ R]Vd. > R]V R_U W^ R]V YZYY dTY``] def UV_ed h Y`h VcV 9 Zda R_ZT R_U S]RT\ _` _-9 Zda R_ZT R]d` dVa` ceVU TZKREVEEV FORV REATU AARCRSJV CREVICE E C EÊÍA DZ ej aVcTV_eR_U 64 aVcTV_e`W 9 Zda R_Z YZXY dTY``] W^ R]Vd RURARIVd, cVdaVTeZgV]j, cVa`ceVU YRgZ_X d^ `\VU Re]VRde`_TV. 2^{-} X S]RT\ _` _-9.ZdaR_Z YZXX TO K E S T` dTY``] def UV_ed, 57 aVcTV_e` W W^URÌVÀ R_U 60 aVcTV_e`W^ R]Vd YRUIVgVcecVUATIXRdVeeVd. 32 P_MPAP @! ORTOAAPE -Ô 2^ VcZTR_:_UZR_XZJd (14.5 a VG TV_e) f dVU d^` \VJVdd e SRTT`.44 3ZJZTZKRC/ceVd RcV R e SRTT` ac Uf Te Xc h Z_X Z_ a`af]RcZg Z_eYV F_ZeVU DeReVd, Vda VTZRJJ R^`_X RU`]VdTV_ed. > RUV Z_:_UZR, SZJZd RcV d^ R]JVc eYR_cVXf]Rc TZKRC/ceVd R_U T`_dZde` We SRTT` R_U dh VVe VJRg`cZ_Xd]ZV TY`T`]ReV`c TYVcg YR_U-c`]JVU Z_JVRgVd R_U eZ/U h ZeY dez_X. 3VTRf dV `WeYV dh VVe VJRg`cZ_X, RaaVRcR_TV, R_U eYV VATe eYRe eYVj RcV ^ Rc\VeVU Rd ^ `cV y_Ref cR]‰eYR_ dVXf]Rc TZXRcVeeVd, ^ R_j RU`]VdTV_ed U`_`e cVR]ZkV Y`h YRc^ VAJ eYVj RcV¢ SZUZd RcV f_V2jeVcVU R_U YRgV R YZXYVc_Z` eZ_V R_U eRc T`_eV_e eYR_ dVXf]Rc TZXRcVeeVd. :_ 2002, ^ `cV eYR_ 7 aVcTV_e`WRU`]VdTV_ed RXVd 12 e` 17 j VRcd cVa`ce/U YRgZ_X fdVU SZUZ`cT]`gV (R_`e/VcejaV`WdaV-TZR]ej TZXRcVeeV) TZXRcVeeVd Z_e/VZc JZWeZ`Vd. >`cV e/YR_ 30 aVcTV_e `WRUf]ed RXVd 1 e` 25 j VRcd R_U ^`cV e/YR_* aVcTV_e`WRUf]ed RXVd 26 j VRcd R_U`JUVccVa`ce/U JZWeZ`V fdV.^{45,46}



Alcohol-related Deaths

Q23-72

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=Vdd eYR_`_V-eV_eY`WYZYY
 dTY``]WV R]Vd W2de f dVU ^ Rc2[f R_R
 SVWcV eYV RXV`W13(.5 aVcTV_e
 `W9ZdaR_ZTd, 6. aVcTV_e`WhY2eV
 `-9ZdaR_ZTd, R_U 5. aVcTV_e
 `WS]RT_`_-9ZdaR_ZTd). 9`h VgVc
]RcXVc ac`a`ce2_d`WWV^R]V eVV_d
 `WR]] eYcVV Xc`f ad Z_2003 cVa`ceVU
 VZeYVc d^`\Z_X`c UcZ_\Z_X SVWcV
 RXV 13.³²
Df SdeR_TV f dV R]d`Zl R dZX_Z024

TR_eac S]V^ R^`_X 2^ VcTR_ :_UZR_/2]Rd\R? RogV RU`]VdTV_ed. :_ 2001, ^`cV eYR_ 77 aVcTV_e `WYZXY dTY``] W^ R]Vd Z_ 3f c/Rf `W_UZR_ 2WMZd-W/_UVU dTY``]d cVa`ce/U VgVc YRgZ_X f dVU ^ RcZ [f R_R, R_U_VRc]j 4 aVcTV_e h VcV Tf ccV_ef dVcd.⁴⁴

EYV dR^ V df cgVj Wf_U eYRe ^ Rc2[f R_R f dV R^ `_X 2^ Vc2TR_ :_UIR_j `f eY Zd Rdd` TZReVU h ZeY eYV f dV `W eYVc 2]]Z Ze Ucf Xd. > `cV eYR_ 21 aVcTV_e `WYZY dTY``] W^ R]Vd h Y` YRU f dVU ^ Rc2[f R_R R]d` YRU f dVU T` TRZ_V `c T cRT\ T` TRZ_V Z_ eYVZc]ZWe2` Vd. :_ RUUZEZ_, ^`cV eYR_ 21 aVcTV_e YRU f dVU ^ VeYR^ aYVeR^ Z_Vd, R_U_VR0]j 5 aVcTV_eh VcV Tf G cV_e Z_YR]R_ef dVcd.⁴⁴

2^`_X W^ R]V RU`]VdTV_ed Z_ 2003, eYV aVcTV_eRXVd Wc]ZWeZ^ V T` TRZ_V f dV R_U Wc Tf ccV_e T`TRZ_V f dV h VcV YZXYVde Wc 9 ZdaR_ZTd (13 R_U 5. aVcTV_e cVdaVTe2gV]j). (7cVVSRdZ_X R_U TdRT T TRZV f dV RdV ZT f UVUZ_]ZWeZ^ V T` TRZ_V f dV.) 6ZXYe aVcTV_e`Wh YZeV W^ R]V RU`]Vd-TV_ed YRU ec2VU T` TRZ_V Uf cZ_X eeWWZCcjZWeZ^Vd, R_U_VRcjj 4 aVcce aVc(TV_ehVdV TfcdV_efdVcd. > `dV U U U eYR_1 aVcTV_e`WS]ce

U U U U U U U UUfcZ_X

 7`fœVV_aVcTV_e`W9ZdaR_ZI, 12 aVcTV_e`WhYZdV, R_U 6 aVcTV_e `WS]RT\W^R]V j`feYd Z_ 2003

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Drug-related Morbidity and Mortality

:_ 2001, eYVdV h VdV 2*6,313 Ucf X RSf dV V^ VcXV_Tj UVa Rce-^ V_e Va Zd` UVd R^` _X W^ R]Vd. H YZeV h`^V_h VcV Z_g`]gVU Z_ eYV ^ R[czej ` WeYVdV Vazd` UVd (61 aVcTV_e), W]]` h VU Sj S]RT\ (1 aVcTV_e) R_U 9 ZdaR_ZT (11 aVc TV_e) h ` ^ V_. (EYV cV^ RZ_Z X 11 aVcTV_e`WeYVdV VaZd`UVd h VcV RTT`f_eVU WcSj h`^V_`W eYVc dRTV*N*eY_ZTZej R_U`Wf__`h_ dRTV/VeY_ZTZgi). EYZeVV_aVcTV_e `WR]] Ucf X RSf dV V^ VcXV_Tj c``^ VaZd`UVd R^`_X W^ R]Vd Z_g`]gVU j`f_X h`^V_ (12 e` 17 j VRd`W RXV). 9 h VgVc, eYV ac a ceZ _ W j`f_Xh`^V_YRgZ_XUdfXRSfdV V^ VcXV_Tj c``^ VaZd`UVd gRcZVd ^ Rc\VU]j Sj cRTV. 7V^ R]Vd RXVd 12 e 17 j VRcd RTT`f_eVU Wc`_]j 6 aVcTV_e`WR]] Ucf X RSf dV V^ Vc XV_Tj_c``^ VaZd`UVd Z_g`]gZ_X S]RT\ h`^V_, T`^ aRdVU e`eYV 14 aVcTV_eR_U 20 aVcTV_edYRcVd $R^{*} \ X h YZ V R_U 9 Z da R_Z h^{*} ^ V_$ dVa` ceZ_X eYVdV VaZd` UVd.66 : 2002, h`^V RTT`f eVU Wc 30 ,0* Ucf X RSf dV V^ VcXV_Tj UVaRce^ V_e VaZd` UVd, R 4 aVcTV_e

Z_TcVRdV RS`gV eYV 2001 VXKfcV.

W]]`h VU Sj 54 aVcTV_e`W 9 ZdaR_ZTd, 52 aVcTV_e`Wh YZeVd, R_U 35 aVcTV_e`WS]RT\d h Y` dVa`ceVU eYV dR^ V. 2dZ_ R_U ARTZMI :d]R_UVc W^ R]Vd h Y` dVdZUV Z_Y^ V Vd Z_ h YZTY 6_X]ZdY Zd da`\V_ RdV_VRc]j eh ZTV Rd]Z\V]j e`V_XRXV Z_dVifR] Z_eVe T`fcdV Rd eY`dV h Y`]ZgV Z_ Y`fdVY`]Ud Z_h YZTY R_`eYVc [

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Physical and Sexual

Assault/Abuse

H YZ]V a Yj dZ R] R_U dVi f R] RddRf]e R_U RSf dV RdV R]] e` adVgR]V_e R^`_X h`^V_`WR]] dRTZR] R_U VeY_Z Xc`f ad, UZWZ f] eZVd aVcdZde Z_^ RZ_eRZ_Z X RTTf dReV VdeZ^ ReVd

Preventive Health Measures

- H ` ^ V_ ` WT`]` c` WV_ U` _` e RgR2] eYV^ dV]gVd` WacVgV_eQV YVR]eY eVded df TY Rd ARa d^ VRcd R_U ScVRde Vi R^ d, eYV cVT` ^ V_UVU dTcVV_Z_X R_U U2RX_` deZT e`]d Wc TVcgZTR] TR_TVc R_U ScVRde TR_TVc, cVda VTeQV]j. T` c R]] h` ^ V_, YRgZ_X YVR]eY Z_df cR_TV, YRgZ_X R fdf R] d` f cTV ` WYVR]eY TRcV, R_U YRgZ_X R YZXY dTY``] VUF TReZ_ RcV Rdd` TZ Re/U h ZeY YZXYVc dTcVV_Z_X cReVd. EYV]Z\V]ZY`` U` WXVeeZ_X eYVdV acVgV_eQy eXyded, Y` h VgVc UVT]Z_Vd h ZeY RXV.⁷*
- EYV f dV ` WacVgV_e&yV dVcgZVd Sj h ` ^ V_ gRcZVd dZX_ZMIR_eji h ZeY YVRjeY Z_df dR_TV T` gVdRXV. :_ 2001, 0 aVcTV_e` WacQReV]j Z_df d/U R_U 72 aVcTV_e` Wa VUZTRZU-T` gVd/U h ` ^ V_ YRU R ^ R^ ^ ` XdR^ . :_ RUUZEZ_, 6 aVcTV_e` Wa CQReV]j Z_df d/U R_U 7 aVcTV_e` Wa VUZTRZU-T` gVd/U h ` ^ V_ YRU R ARa d^ VRc Z_ eYV aRde 2 j VRcd. 7Vh Vc f_Z_df d/U h ` ^ V_, Y` h VgVc YRU d/TVZgVU eYVdV ad/gV_eZgV eVded Z_ eYV aRde 2 j VRcd¢ ` _]j 43 aVc TV_e Wc eYV ^ R^ ^ ` XdR^ R_U 6* aVcTV_e Wc eYV ARa d^ VRc ⁰



Uf cZ_X acVX_R_Tj. 7VeR] RJT`Y`] dj_Uc`^V TR_cVdf]eZ_RS_`c^R] WRTZR] WRefcVd, Uj dW7_TeZ_`WeYV TV_ecR]_V0g`fd dj deV^, Xc`h eY UVVØTZ/_TZ/d, ^V_eR] UZdRSJZeZ/d, R_U ac`S]V^d h ZeY]VRc_Z,X, T`^-^f_ZTReZ_, ^V^`cj, R_U gZdZ_.¹⁰ ■ :_df cgVZ]R_TV`WJZyV SZceYd Z_

2]Rd\R, 2dk ~ R, 4 `] dRU', R_U ? Vh J` c\ Z_ eYV aVdZ U 1**5€1**7, eYV adVgR]V_TV ` WWeR] R]T` Y`] dj_Uc` ^ V (72D) h Rd YZXYVde R^ `_X SRSZ/d S` c_ e` 2^ VdZTR_ :_UZR_/2]Rd\R ? ReZ0V h` ^ V_ (32 aVc 10,000). 2^ `_X 2^ VdZTR_ :_UZR_d/2]Rd\R ? ReZ0Vd, 72D h Rd ^`deT`^^`_R^`_X Z_W2_ed S`c_e`^`eYVcd Z_2]Rd\R (56 aVc 10,000). 72D `TTf cd ^ f TY]Vdd WVbfV_ejj R^`_X Z_W2_ed S`c_e` ^`eYVcd h Y` RcV_`e2^ VcZTR :_U7R_/2]Rd\R ? Re20V.@_jj 11 aVc 10,000 Z_W2_ed S`c_e`S]RT\^`eY-Vcd R_U 2 aVc 10,000 Z_W2_ed`W S`eY h Y2eV ^`eYVcd R_U 9ZdaR_ZT ^`eYVcd YRU 72D. EYV `gVcR]] ac/gR-]V_TV`W72D Z_eYVdV Wf c deReVd h Rd 4 aVc 10,000 JgV SZeYd.^{10*}

 D^ R]] dYRd/d ` WacVX_R_e9ZdaR_Z (1.7 aVcTV_e), h YZeV _` _-9ZdaR_Z (3.6 aVcTV_e), R_U S]RT\ _` _-9ZdaR_Z (6.2 aVcTV_e) h ` ^ V_ RXVd 15 e 44 d/a ce/U a Rde ^ _eY 2]27 E Ud X f dV.¹¹⁰ > Rc2[f R_R Zt eYV 2]27 E Ud X ^ de T ^ ^ _ _j f dVU Sj adVX_R_eh ^ V_.¹¹¹ 2]eY f XY]Vdd eYR_ 3 aVcTV_e WR]] adVX_R_eh ^ V_ RXVd 15 e 44 d/a ce/U f dZ_X ^ Rc2[f R_R Uf c2_X eYV a Rde ^ _eY Z 2002, S]RT_ _-9 ZtaR_ZT h ^ V_ (6.2 aVcTV_e) h VcV ^ cV]ZV[j e cVa ce f dV eYR_VZeYVch YZV_ _-9 ZtaR_ZT (3.1 aVcTV_e) h ^ V_.¹¹²

Birth Outcomes: Weight

- :__WR__ed h ZeY]`h SZceYh VZXYe ([Vdd eYR_ 2,500 XdR^ d) R_U gVgi]`h SZceYh VZXYe (JVdd eYR_ 1,500 XdR^ d) RdV Re XdVReVc cZd\ `W^`cSZUZej R_U^`ceR]Zej eYR_ SZXXVcZ_VR_ed.EYVZ_TZUV_TV`W]`h - R_U gVqi -]`h -SZceYh VZXYe Z_WR_ed gRcZ/d T`_dZUVcRS]j Sj eYV dRTV/VeY_ZIZej `WeYV ^ `eYVcd `W eYV Z_WR_ed, h ZeY S]RT\`c 2W2TR_ 2 ^ VcZTR_h` ^ V_YRqZ_X eYV YZXYVde Z_TZJV_TVd`WS`eY] h -SZeYh VZXYe (13.3 aVcTV_e) R_U gVg -]` h -SZeeYh VZXYe (3.1 aVg TV_e) Z_VR_ed. 4YZ_VdV ^ `eYVcd dVa`œeYV d^ R]]VdeaVcTV_eRXV `WZ_WR_edhZeY]`h SZceYhVZXYe (5.5 aVcTV_e).15
- EYV ac a` œZ _d` Wj` h -h VZY'e Z_W2_ed S` c_ e` Af Vœ` CZTR_ h` ^ V_ (_VRc]j 10 aVcTV_e), e` 72[ZaZ_` h` ^ V_ (.6 aVcTV_e), R_U e` 9 Rh RZR_, ` eYVc 2dZ _/ARTZMI :d]R_UVc R_U @eYVcF__` h_ 9 ZdaR_ZT h` ^ V_ (RS` fe aVcTV_e) RdV YZYVc eYR_ eYV dYRdV S` c_ e` h YZeV h` ^ V_ (6. aVcTV_e), Sfe]` h Vc eYR_ eYV dYRdV S` c_ e` S]RT\` c 2\MZTR_ 2 ^ VcZTR_ h` ^ V_ (13.3 aVcTV_e).¹⁵
- Eh`aVcTV_e`c]Vdd`VZ_WR_ed S`c_e`^`deh`^V_`WT`]`c YRgV gVdj]`h hVZYe (Vdd eYR_ 1,500 XdR^d). @_]j S]RT\`c 2WdTR_2^VcTR_h`^V_(3.1 aVcTV_e) dVa`ceVU R dReV XdVReVc eYR_2 aVcTV_e @eYVch`^V_ `WT`]`c^`de]AV]j e`YRgV gVdj-]`h-SZceYh VZYYe Z_WR_ed hVdV Af Vce`CZTR_(2 aVcTV_e) R_U ? ReZgV 9 Rh RZR_/ARce 9 Rh RZR_ (1.6 aVcTV_e).¹⁵
- 5 Vda ZeV]` h Vc Z_T` ^ Vd, YZXYVc cReVd `W]ZejV`c_` acV_ReR] TRcV,]` h Vc]VgV]d` WUIF TReZ_, R_U `eYVc SRccZVcd e` RTTVddZ_X YVR]eY TRcV, > Vi ZIR_ 2^ VcZIR_h`^ V_ S`c_Z_ > Vi ZI` aVcdZdeV_ejj XZgV

$$\begin{split} & \mathsf{SZeY} \; e \; \stackrel{?}{]} \; h \ h \; \mathsf{VZYe} \; \stackrel{?}{_} \; \mathsf{M}_{ed} \; \mathsf{Re} \; \mathsf{cRe} \; \mathsf{d} \\ & \mathsf{T} \; \stackrel{\land}{_} \; \mathsf{aRcRS} \\ & \mathsf{V} \; e \; h \; \mathsf{YZV} \; h \; \stackrel{\land}{_} \; \mathsf{V}_{_} \; \mathsf{F} \ . \mathsf{D} \ . \\ & \mathsf{S} \; \mathsf{c}_{_} \; > \; \mathsf{Vi} \; \stackrel{?}{_} \; \mathsf{IR}_{_} \; 2 \; ^{\land} \; \mathsf{V2TR}_{_} \; h \; \stackrel{\land}{_} \; \mathsf{V}_{_} \\ & \mathsf{YRgV} \; \mathsf{R} \; \mathsf{3} \; \; \mathsf{aVcTV}_{_} \; \mathsf{eYZYVc} \; \stackrel{?}{\mathsf{cd}} \; \stackrel{\land}{_} \; \mathsf{V}_{_} \\ & \mathsf{YRgV} \; \mathsf{R} \; \mathsf{3} \; \; \mathsf{aVcTV}_{_} \; \mathsf{eYZYVc} \; \stackrel{?}{\mathsf{cd}} \; \stackrel{\land}{_} \; \mathsf{V}_{_} \\ & \mathsf{YRgV} \; \mathsf{R} \; \mathsf{3} \; \; \mathsf{aVcTV}_{_} \; \mathsf{eYZYVc} \; \stackrel{?}{\mathsf{cd}} \; \stackrel{\land}{_} \; \mathsf{V}_{_} \\ & \mathsf{YRgV} \; \mathsf{R} \; \mathsf{3} \; \; \mathsf{aVcTV}_{_} \; \mathsf{eYZVc} \; \stackrel{?}{\mathsf{cd}} \; \stackrel{\mathstrut}{\mathsf{cd}} \; \stackrel{\mathstrut}{\mathsf{cd}} \; \stackrel{\mathstrut}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \\ & \mathsf{YM}_{_} \; \stackrel{\;}{\mathsf{cd}} \; \mathsf{cd} \; \mathsf{Y}_{_} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \\ & \mathsf{YM}_{_} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \\ & \mathsf{YM}_{_} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \\ & \mathsf{C} \; \; \mathsf{C} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}} \\ & \mathsf{C} \; \; \mathsf{C} \; \stackrel{\;}{\mathsf{cd}} \; \stackrel{\;}{\mathsf{cd}$$

DZ* Z]Rdj , Z_ 4 R]ZWc_ZR, WcVZZ_-S` c_ 2dZR_ ^ ` eYVcd (Vi TVae <` cVR_ ^ ` eYVcd) h VcV]Vdd]Z_VV]j e` YRgV]` h -SZeYh VZYE SRSZVd eYR_ eYVZc F .D.-S` c_ T`f eVca Roed. ¹¹⁴ D`f eVVRde 2d7R_, 2d7R_ :__U7R_, R__U 7**]**]2aZ_` ^ `eYVcd h VcV eYV ^ ` de]Z,V]j e` UV]ZgVc]` h -SZceYh VZXYe SRSZ/d¢ aVc TV_e`WR]]UV]ZqVcZVd. 3VehVV_ 4 aVcTV_eR_U 6.5 aVcTV_e`W <` dVR_, ; RaR_VdV, R_U 4YZ_VdV ^ `eYVad YRU]`h -SZeeYh VZXYe SRSZ/d. :_ RUUZeZ _, 4YZ_VdV R_U 72JZaZ_` ^ `eYVcd YRgV R YZXYVcdReV `W[`h-SZceYh VZXYe UV]ZqVcjZ_4R]ZVc_ZReYR_ _ReZ _R]]j . :_ 4 R]ZWc_ZR, Rd _ReZ_R]]j, 2WbZTR_2^VcZTR_ ^`eYVad h VaV ^`de]ZV]j e` XZgV SZceY e`]`h -SZceYh VZXYe Z_WR_ed (12 aVcTV_e).¹¹⁴



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(12 j VRcd ` WWUFTReZ _), R_U 6.* a Vc 1,000]ZgV SZœYd (13 ` c ^ ` cV j VRcd ` WWUFTReZ _). (CReVd Wc? ReZgV 9 Rh RZR_ARce 9Rh RZR_ Z_WW_dd RdyR _` e ac` gZJVU.) EYV dR^ V a ReeVc_ Zd Wf_U R^ ` _X 9 ZdaR_Z ` c = ReZ ^ ` eYVcd h Y` dV Z_WR_cd' UVReY dReVd RcV+5.3 a Vc 1,000]ZgV SZœYd (^ ` eYVcd h ZeY]Vdd eYR_ 12 j VRcd VUFTReZ _), 5.1 a Vc 1,000]ZgV SZœYd (^ ` eYVcd h ZeY 12 j VRcd ` WWUFTR





ed/Re^ V_e Re:9 D UZVTe TRd/ MRTZJZZVd, Sf e Rd/ `e VJXZSJV WC eYV ^ `d/ da VTZRJZVU dVcgZVd eYRe ^ Rj SV ac gZJVU VJdVh YVd/ (ZV., yT`_ecRTe TRd/%dVcgZVd). 3j T`_ecRde, 2 ^ VcZTR_:_UZR_d/2]Rd\R ? ReZgVd`_ `c_VRc dVdVcgReZ_d¢ h Y` Rd/ eYVd/Wd/ VJZZSJV Wc eYV MVJ] cR_XV `W9 D dVcgZVd¢ YRgV RTTVdd e` S` eY c` f eZ_V TRd/ R_U e` eYV ^ `d/ da VTZRJZVU T`_ecRTe TRd/ dVcgZVd.¹²,¹³ 2^ VcZTR_:_UZR_d/2]Rd\R ? ReZgVd h Y` YRgV [`S-SRdVU acZgReV Z_df cR_TV (35. a VcTV_e` WeYV _`_-V]UVdj a`af]ReZ_Z_2002) YRgV R TY`ZTV eYRe^`de`eYVc 2^ VcZTR_d U`_`eYRgV¢ e` XVe





R]] df SXc f ad `Wh`^V_ Vi TVae 9 Zda R_ZT`c = ReZ_`h`^V_. H Y ZeV h`^V_ (43 aVc 100,000) R_U S]RT\ `c2WzTR_2^VcZTR_h`^V_(40 aVc 100,000) YRU eYV YZXYVde UVReY dReVd Wor ^ TR_TVcd `WeYV edRTYVR, Sc`_TYfd, R_U]f_X, W]]`(HJVU Sj $2^V CZTR_:_UZR_ c 2]RdR? Rezov$ h`^V_ (27 aVc 100,000), 2dR_ R_UARTZWZT:d]R_UVch`^V_(1 aVc 100,000), R_U 9ZdaR_ZT `c=ReZ_` W^ R]Vd (15 aVc 100,000). EYV YZXYVdeUVReYdReVWo/^ScVRde TR_TVc (34 aVc 100,000) ` TTf ccVU R^ `_X S]RT\ W^ R]Vd, W]]` h VU Sj h YZeV W/^ R]Vd (25 aVc 100,000),

R_U ecR2JVU Sj 9 Zda R_ZT W/^ R]Vd (16 a Vc 100,000), 2 ^ VcZTR_:_UZR_ `c 2]Rd\R ? Re2gV W/^ R]Vd (14 a Vc 100,000), R_U 2 dZR_ R_U ARTZ/2T :d]R_UVch`^ V_ (13 a Vc 100,000).¹⁵ 4 R_VTXABITE/2021 eV vc dZeVd`WeVV S`Uj (RSd& ¢ §

BREAST CANCER

- H YZeV _`_-9ZdaR_ZI h`^V_ (14* aVc 100,000) R_U S]RT\ h`^V_ (11* aVc 100,000) cVa`ceVU eVV XcVReVde Z_TZUV_TVd `WScVRde TR_TVc h YZV 2^ VcZTR_ :_UZR_`c 2]Rd\R ? ReZgV h`^V_ (55 aVc 100,000) cVa`ceVU eVV]`h Vde Z_TZUV_TV (1** €2002).*14
- I :_ 1** €2002, *7 TRdVd ` WSd/Rde TR_TVc h Vd/ d/a` œ/U Wc VgVg 100,000 2 d/R_/ART2/01 :d]R_UVc h ` ^ V_. 2 d/R_/ART2/01 :d]R_UVc R_U 9 2 da R_Z h ` ^ V_ (*0 a Vc 100,000), e/f d, YRU Sd/Rde TR_TVc Z_TZJV_TVd ^ ZJh Rj SVch VV_ e/V YZXYVde R_U e/V]` h Vde Z_TZJV_TVd R^ ` _X h ` ^ V_ ` WT`] c¹⁴
- 3cVRde TR_TVc RTT` f_eVU Wc 24 aVcTV_e`WR]] TR_TVcd R^`_X DR^` R_ h`^ V_ Z_ 9Rh RZZ_ 1**5€2000. EYZd Zd JVdd eYR_ R^`_X ; RaR_VdV R_U ? ReZgV 9Rh RZR_ h`^ V_ (S` eY 36 aVc TV_e), h YZV h`^ V_ (34 aVcTV_e), R_U 72ZaZ_` h`^ V_ (30 aVcTV_e) Z_ 9Rh RZZ¹⁵⁴
- @_V def Uj Wf_U eYRe Re eYV eZ^ V ` WUZRX_` dZd, _` e` _]j h VcV 9ZdaR_ZTh`^V_^`dV]ZVV]j_eYR_ h YZeV _` _-9 Zda R_ZT h ` ^ V_ e` YRgV R ^ ` dV RUgR_TVU deRXV ` WSdVRde TR_TVc, SfeeYVj R]d`hVdV^`dV |ZV]j e YRgV ef ^ ` cd]RcXVc eYR_ 1 TV_e2^ VeVc (T^). 4V_ecR]/D`feY 2^ VcZTR_, > Vi ZTR_ 2^ VcZTR_, R_U Af Vœ` CZTR_ h`^ V_ h VcV ^`dV]ZV]j e`YRgVef^`dd]RcXVc eYR_1 T^ eYR_h VdV h YZeV _`_-9 Zda R_ZT h ` ^ V_. EYV Rf eY` cd `WeYZd def Uj eYV` cZkV eYRe eYVdV cVdf]ed cVVIWTe eYV]Z^ ZeVU f dV `W^R^ ^ `XcRaYj dTcVV ZX R^ ` _X 9 Zda R_Z h ` ^ V_.¹⁵⁵
- EYV dR^ V def Uj Wf_U eYRe 9 ZdaR_Z h` ^ V_S`c_Z = ReZ 2 ^ VcZTR h Vd/ ^`dV]ZvJj e` YRgV R]RcXVc ef ^` c Re eYV eZ^ V `WSd/Rde TR_TVc UVeVTeZ _ eYR_ eYVZc F. D. S`c_T` f_eVcaRced. EYV WRTe eYRe Z_` eYVc def UZ/d 9 Zda R_Z h` ^ V_S`c_Z eYV F_ZeVU DeReVd YRgV UV^` _ decReVU R XcVReVc WR^ Z-ZRCZej h ZeYScVRde TR_TVc dTcVV_ZX

eYR_ h ` ^ V_ S` c_ Z_ =ReZ_ 2 ^ VcZTR ^ Rj_ Vi a]RZ_ eYZd UZda RcZej .¹⁵⁵

2_`eYVcdefUj Wf_U eYReS]RT\,
2^VcZIR_:_UZR_, R_U h YZeV
9ZdaR_ZI h`^V_ h VcV ^`cV
]ZVIj eYR_ h YZeV_`_-9ZdaR_ZI
h`^V_e SV UZRX_`dVU h ZeY
`cV RUgR_TVU ScVRdeTR_TVc`cR_ZI

- 3cVRdeTR_TVcUVReY dReVd Z_2002 cVVJWTeR dZ^ 2]RcaReeVc_e`eYRe Z_VRcJZ/cjVRcd, h ZeY eYV YZXYVde dReVd R^`_X S]RT\ W^ R]Vd (34 aVc100,000), W]]`h VU Sj h YZeV W^ R]Vd (25 UVReYd aVc100,000). EYV UVReY dReV R^`_X 9ZdaR_ZI`c =ReZ_` h`^V_Zd 15.5 aVc100,000 R_U eYV dReV R^`_X 2^ VcZTR_ :_UZR_`c2]Rd\R? ReZgV h`^V_ Zd 13. aVc100,000, h ZeY 2dZR_ `cARTZMZI:d]R_UVch`^V_dVa`ce-Z_X eYV]`h Vde UVReY dReV (12. aVc100,000).¹⁵
- 2]eY`fXYZ_TZUV_TVZd]`hWc 2^VcZTR_:_UZR_`c2]Rd\R?ReZgV h`^V_, eYVZc^`ceR]Zdj cReVd UfV e`ScVRdeTR_TVcRcVdVT`_U`_]j e`eYVZcUVReY cReVdWt^ TR_TVcd `WeYV ecRTYVR, Sc`_TYfd R_U]f_X.⁵³EYV ScVRdeTR_TVcUVReY cReV Wc2^VcZTR_:_UZR_h`^V_

Z1^a 1^a 1 h

Cerebrovascular Diseases

4 VcVSc` gRdTf]Rc UZdVRdVd h VcV eYV eYZU]VRUZ_X TRf dV ` WUVReY Wch ` ^ V_ ` W^{\wedge} ` de dRTZR]/VeY_Z Xc fad, Vi TVae2^ VcZTR_:_UZR_d/ 2]Rd\R?ReZgVd(WchY`^ ZehRdeYV VXXABY]VRUZ_X TRfdV `WUVReY). :_ 2002, R e` eR] ` W100,050 h ` ^ V_ `WR]] cRTZR]/VeY_ZI Xc`fad UZ/U`W TVcVSc`gRdTf]RcUZdVRdVd. (?`eV+ EYZd e eR Zd Vdd eYR_eYV 103,4* df^ `_V h `f]U XVeW& ^ RUUZ_X eYV _f ^ SVcd Wc eYV cRT2R]/VeY_Z Xc`ffa_dd252_ERS]V4h2eY]VRU22X5>`1 TRfdVd`WUVReY Z_eYV dfSdVTeZ_ > R[`c4RfdVd`W5VReY.EYZdZd SVTRfdV eYV ĝ,44 9 Zda R_Z h`^V_YRgVSVV_RddZX_VUe` dRTZR]Xc`fade`Rg`ZUU`fS]V T`f_eZ_X eYV^).^{15,116} ` ^ EYV S`ceR]Ze

Diabetes Mellitus

5 ZRSVeVd ^ V]]Zef d, R TYc` _ZT T` _UZ eZ _ TYRORTeVO2kVU Sj RS_` c^ R] X]f -T`dV ^ VeRS`]Zd^ , Zd R ^ R[`cYVR]eY ac`S]V^ R_U TRf dV `WZ_TcVRdVU ^`ceR]Zej R^`_X h`^V_`WT`]`c 57RSVeVdYRdR^R^R[`cVWW/Te`_eYV TZcTf]Re`qi djdeV^ R_U WaVbfV_e]j Zd Rdd` TZReVU h ZeY T` _UZeZ _d df TY Rd RœVcZ dT]Vc dZd (YRdJV_Z_X `W eYV RceVcZVd) R_U \ZU_Vj VRZf cV.^{15*} EYV eh ` ^ RZ_ ej aVd ` WUZRSVeVd ^ V]]Zef d RcV Ej aV 1 R_U Ej aV 2. EjaV 1, h YZY RWWTed 5 e 10 aVG TV_e`WR]] aV`a]V h ZeY UZRSVeVd, Zd TRfdVU h YV_ eYV aR_TcVRd de ad ^ R\Z_X Z_df]Z_, h YZY cVdf]ed Z_ RSfZUfa`WX]fT`dVZ_eYVS]``U. :_UZgZUfR]dhZeYEjaV1UZRSVeVd ^ f de eR\V Z_df]Z_ dY` ed e` cVUf TV X]fT`dV]VgV]d.7`c^R_j Z_UZgZUf-R]d, eYV`_dVe`WEj aV 1 UZRSVeVd $TTf cd Z_TYZUY U c RU]VdTV_TV.$ Ej aV 2 UZRSVeVd, h YZY RWWTed *0 e`*5aVcTV_e`WaV`a]VhZeYUZR-SVeVd, Zd`VeV_]Z_\VUhZeYSVZ_X gVch VZXYe`c`SVdV SVTRfdV Vi TVdd RSU` ^ Z_R] WRe TR_ T` _ec2Sf eV e Z_df]Z_dVdZdeR_TV.AV`a]VhZeY Ej aV 2 UZRSVeVd RdV RS]V e ac Uf TV $Z_df]Z_$, $SfeeYVZcS^UZ/dRcVf_RS]V$ e fdVZee ^ R_RXVX]fT`dV]VgV]d. Ej aV 2 UZRSVeVd YRd _` TfcV, Sfe Zed VWW/Ted TR_SV ^ R_RXVU Sj h VZXYe]`dd, Vi VcTZdV, R_U UZVe TYR_XVd. 2]eY`f XY Ej aV 2 UZRSVeVd h Rd`_TV^`deadVgR]V_eR^`_X `]UVcRUf]ed,ZedacVgR]V_TVR^`_X TYZUCV_R_URU`]VdTV_edZd Z_TcVRdZ_X. 160, 161

JVRcd`Wa`eV_eZR]]ZW]`deUfV e UZRSVeVd SVWdV RXV 75 (RXV-RU[f deVU aVc 100,000 a` af]ReZ _ f_UVc 75 j VRcd ` WRXV) T]VRcji dVVIWTed eYV e`]] eR\V_ Sj UZRSVeVd R^ `_X 2W2TR_ 2^ Vc2TR_ R_U 2 ^ VoZTR_:_UZR_`c2]Rd\R?ReZqV h`^V_.:_2002, S]RT\`c2WZTR_ 2^ VcZTR_ ^ V_ R_U h ` ^ V_]` de 3* 6.7 j VRcd R_U 2 ^ VcZTR_ :_UZR_ `c2]Rd\R?Re2gV ^ V_ R_U h ` ^ V_]` de 344.7 j VRcd ` Wa` eV_e7R]]ZW è UZRSVeVd ^ V]]Zefd. 9 Zda R_Z⊺`c =ReZ_` ^ V_ R_U h ` ^ V_]` de 207.1 j VRcd`Wa`eV_eZR]]ZW, h YZeV ^ V_ R_U h`^V_]`de160.3 j VRcd, R_U 2dZR_ R_U ARTZWZT :d]R_UVc ^ V_ R_U h`^V_]` de 76.4 j VRcd.¹⁵

 :__ 2004, eYV RXV-RU[f de/U ac/gR-]V_TV ` WURX_` dVU URSVe/d h Rd

 7. aVcTV_eR^`_X S]RT\ h`^V_.

 @]UVch`^V_RdV ^ fTY ^`cV]ZV]J~
 Ú eYVd9 RXV h

 eYR_j`f_XVch`^V_e`SV UZRSVeZT,

 Rel eYSYBU, TabbygR]V_hTV cRevate Argt Rev
 eh`^ V_.(h

 S]RT\ h`^V_Sj RXV Xc`fa Z_UZ

 TReV2
 accTV_e RWf SRXV RWf V





100,000 2 ^ VcZTR_ : _UZR_/2]Rd\R ? ReZgV h ` ^ V_, R_U 3.7 aVc

.....

Sexually Transmitted Infections among Adolescent Females of Color

■ EhV_ej-W2gVaVcTV_e`WeYV 15 ^ 2]]Z _ _Vh TRdVd `WdVifR]]j ecR_d^ ZeeVU Z_WTeZ _d (DE:d) eVRe `TTfcVRTY jVRcRdVR^`_X15e` 1*-j VRg`]Ud. 2U`]VdTV_ed RdV ReYZXYVc cZd\ eYR_ RUf]ed Wc RTbf ZZ_X DE:d SVTRf dV eYVj RdV ^`dV]Z\V]j e`V_XRXV Z_dZ\j SVYRgZ cd, df TY Rd f dZ_X R]T`Y`] T`_U` ^ d, R_U YRgZ_X ^ f]eZa]V dVifR] a Rce_Vcd.¹ * EYV ^ R[`c dVifR]]j ecR_d^ZeeVUZ_WTeZ_d ac/gR]V_eR2^^`d_X eXUV }ddT]V_ed ^ Zcc`ceY`dV acVgR]V_eR^`_X RUf]ed¢ TY]R^ j UZR, X`_` ccYVR, dj aY2[2d, 9AG (Yf ^ R_ aRa2]) ^ RgZfd), R_U XV_ZeR] YVcaVd. 2d Wc RUf]ed, R^ `_X RU`]VdTV_ed TY]R-^ j UZR Zd eYV ^ ` de T` ^ ^ ` _ DE: `WeYV eYdVV Wch YZTY UReR RdV RgRZIRSCIVW_dect T&rCV 4V_eVcd Wc





]ZV]j eYR_hYZeVde`UV]Rj dVV\Z_X TRdvWcRe]VRde3 ^ `_eYd.²⁰⁰
1 3f cV.Rf ` WeYV 4V_df d (:_eVc_ReZ_R] Ac XcR^ d 4V_eVc). 8] SR] a` af]ReZ_ ac' WAV+#! ! #LeRS]V 2!" #+=XW Vi a VTI eR_Tj Re SZEY Sj cVXZ_LT` f_eqi LR_U dVi +#! ! #L#! #&L R_U #! &L Ž:_eVc_Ve cV]VRdV UReV+> RcTY 22, 2004. 2gRZ]RS]V Re+Yeea #Zh h h ŽIV_df dZX` gZa Tžac` UZh a! #Ž eRS2!" #Ža UW/5 ReV 2TTVddVU+1/10/06.

2 ; ` Y_d` _ 9A R_U 9Rj Vd ; > . EYV 5 V^ ` XdRaYZtd` W

Yæa° 9 g″

.

- 25 DR]gRJ 7C, ? Xf j V_ 5, 9 f R_X E #!!" 1#!! \$ DeReV`W9 Rh RZ 3 VY RgZ &] CZd\ 7RTe`c Df cgVZ]R_TV Dj deV^ ESj UV^`l XdRa YZ TY RARTeVcZdeZtd. 2gRZ]RS]V Re+Yeea +Zzh h h Ž/Rh RZZ X`gZY VR]eYZdeRezdeZtdZscMddZveY_ZTZj ZveY_ZTZj "#\$ŽYe^]. 5 ReV 2TTVddVU+12/1/05.
- 26 9Z[^] ^ V]XdVV_52, AVdVk-6dTR^ Z]R C, > RœZ_Vk 5, 3dVe_R]] 2, 6V]]d 3, AV_X J, 3Vc[^] f UVk 2. EYV][^]_XVcj[^] f deRj, eYV SZXVcj[^] f XVe+=V_XeY[^] WeZ[^] V R_U]R_Xf RXV f dV Z_ eYV F.D. Rdv Rdd[^] TZReVU h ZeY[^] SVdZej Z_ AfVœ⁺ CZTR_h[^] ^ V_. 2[^] ; AYj d 2_eYc⁺ a[^] JŽ2004, 125+*0-6.
- 27 8 °V] > D, > T4RœYj 6A AY]]Zad CD, H VV 44. @SVdZaj R^ `_X F.D. Z[\] ^ ZkcR_edfSXc fad Sj UfcReZ _ `W cVdZJV_TV. ; 2> 2Ž2004, 2*2(23)-2 60-7.
- 28 7]/XR] <> , 4Rcc`]] > 5, @XUV_ 4=, ;`Y_d`_ 4=. AcVgR]V_TV R_U ecV_Ud Z_`SVdZġ R^`_X F.D. RUf]ed, 1***€2000. ; 2> 2Ž2002, 2 =1723-7.
- 29 F D 5 Va Rœ^ V_e`W9 VR]eY R_U 9 f^ R_ DVcgZVd. EYV DfcXV`_ 8 V_VdR]d TR]] e`RTeZ_e`acVgV_eR_U UVTcVRdV`gVch VZXYeR_U`SVdZg`#!!". C`T\g2]V, > 5 + F D 5 Va Rœ^ V_e`W9 VR]eY R_U 9 f^ R_ DVcgZVd, A f S]Z 9 VR]eY DVcgZV, @WMXV`WeYV DfcXV`_8 V_VdR], 2001. 2 gR2JRS]V Re+Yeeu #Zh h hŽdfcXV`_XV_VdR]ŽX`gže`aZIdz`SVdZg`z TR]]e`RTeZ_ž4 R]]e`2TeZ_ŽaUW/5 ReV 2TTVddVU+12/1/05.
- 30 > RT\ <2, 2_UVcd`_ =, 8 R]fd\R 5, KRS]`ed\j 5, 9`]ek^ R_ 5, 2Y]fh R]ZR :. 9 VR]eY R_U d`TZ UV^ `XcRaYZT WRTe cd Rdd`TZReVU h ZeY S`Uj h VZXYe R_U h VZXYe`S[VTeZgVd Wc h`^ V_+2000 3VYRgZ cR] CZd\ 7RTe`c Df cgVZ]R_TV Dj deV^. ; H`^ V_d 9 VR]eY (=RcTY^ e). 2004, 13(*) +101*-32.
- acRTeZTVd, 31 DYVch U ? 6 9 Rc De`q 🗦 (Ye]` R^ adV _f ecZeZ SV1Z/ R_U (XYe)` dd ac W TVA TŽ2000, f cSR_ 2 Ve2d 100(4)+12-6

FR8tf_SRf^ ; 2, <R_ =, <Z_TYV_ D, C`dd;, 9Rh \Z_d;, V =`h gi C, 9Rcc2dH 2, > T> R_fdE, 4Yj V_ 5, 4`]]Z_d;. J`feY CZd\ 3VYRgZ c DfcgVZ]]R_TV¢ F_ZeVU DeReVd, 2003. FR DfcgVZ]/R_TV Df^ ^ Rc2Vd, > Rj 21, 2004 2003.3VY^{*}

1 Dft

m Fb

R¥

2 R° Î 2 / VT

- 69 4YVh _Z X 3, 5 `f X]Rd ; , <` \` eRZ]` A<, =R4` f œ; , De 4]RZ: 5, H Z[d` _ 5. Ac' eVTeZ]V WATe' cd Rdd` TZReVU h ZeY 2 ^ VcZTR _: _UZR_ RU`]VdTV_ec' dRWc dVi f R] a ReeVc_d. > ReVc_ 4YZ]U 9VR]eY ; Ž2001, 5 (4)+273- 0.
- 70 CR[^] ZdVegi -> Z₁VcD, 4RVeR_[°] C, 8[°] VSVee 5, ? ZdYZ[^] f cR D. 6eY_Z gRcZez _ Z_ UcZ_\Z_X, Ucf X f dV, R_U dVi f R] SVYRg-Z c R[^] X RU[°] VdTV_ed Z_ 9 Rh RZ ; DTY 9 VR]eYŽ2004, 74(1):16-22.
- 71 DTYf deVc > 2, 3V]] C > , ? R\R[Z`R 82, <R_`f dV 56. EYV dVi f R] adRTeZTVd `W2dZ_ R_U ARTZWZ :d]R_UVc YZY dTY``] def UV_ed. ; 2U`]VdT 9VR]eYZ1** , 23+221-31.
- 72 3 df T_Vc 9, 3 VRc^ R_ A 2 Wovc eV v ac' ^ ZdV+EY V DE5 T`_dVbf V_TVd ` WRU`]VdTV_egZXZ_Zej a]VUXVd. ; 2U`]VdT 9 VR/eVZ2005, 36(4)+271-.
- 73 9 WWE, 8 cVV_V =, 5 RgZd; . ? ReZ_R] Df cgVj ` W2U`]VdTV_ed R_UJ`f_X 2Uf]ed+DVifR] YVRJeY _`h]VUXVE Reeeff UVd R_U Vi aVcdV_TVd. > V_]`ARc\, 42, R_U H RdYZ_Xe`_, 54+ EYV 9 V_cj; . < RZdVc 7R^ 2[j T`f_UReZ_, 2003. 2gR2]RS]V Re+ Yeea + zh h h Ž\WW cXj`f eYYZgdeUdzfa]`RUZ? ReZ_R]LDf cgVj ł ` W2U`]VdTV_edIR_UIJ`f_Xl2Uf]edŽaUW/5 ReV 2TTVddVU+ 12/1/05.
- 74 E[RUV_ A EY` V__Vd ? . 7*F]*] d/a`œ` W&/V ac/gR]V_TVŁ Z_TZJV_TVŁR_U T`_dVbfV_TVd` VgZ]V_TV RXRZ_deh`^ V_+ 7Z_UZ_Xd Wd`^ e/V ? ReZ_R] GZ]V_TV 2XRZ_deH`^ V_ Df cgVj. H RdYZ_Xe`_, 54+F D 5VaRœ^ V_e`W f deZTV, @VM2TV`W f deZTV Ac`XcR^ d, 2000. 2gRZ]RS]V Re+Yæa+ž h h h Ž_T[cdŽ cXžaUWM2Vd" ž_ZZ") \$() "ŽaUW5 ReV 2TTVddVU+ 12/1/05.
- 75 <]Rf d, A 4 2^T Vd RXRZ_de a Vcd`_d RXV ' & `c`]UVct "**\$I #1 ! #. ? 4; 206154. H RdYZ_Xe`_, 54+3f cVRf` W f dezTV DeRezdezTd, 2005. 2gRZ]RS]V Re+Yeea #zh h h Ž [a Žf dU` [ŽX`gž S[džaf SžaUMaTaR' &! #ŽaUW5 ReV 2TTVddVU+12/1/05.
- 76 AVacj DH. 2^ VcZTR_:_UR_d R_U TcZ^{*} V+2 3; D dcReddeZTR] ac VQVL"**#I#I!#? 4; 2030*7. H RdYZ_Xe _, 54+3f cVRf `W f deZTV DeReddeZTd, 2004. 2gRZJRSJV Re+Yee #Zh h h Ž [aŽ f dU^{*} [ZX^{*} gZ5[dzaf SzaUWRZTŽaUW75 ReV 2TTVddVU+12/1/05.
- 77 9 Rch V]] ED, > `` dV <C, DaV_TV > C. AYj dZrR] gZ]V_TV, Z_eZ^ ReV a Rce_Vc gZ]V_TV, R_U V^ ` eZ _R] RSf dV R^ `_X RUf]e 2 ^ VcZTR_ :_UZR_ ^ V_ R_U h ` ^ V_ Z_ > `_eR_R AcVg > VUŽ2003, 37(4):2*7-303.
- 78 =`h_62, GVXRH 2. Ad/gR]V_TV R_U ad/UZIe`cd`W aYj dZIR] RSf dV R^`_X > Vi ZIR_2^ VcZIR_h`^V_. 2^; Af S]Z 9 VR]eYZ2001, *1(3):441-45.
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achieving the ambitious goal of eliminating racial/ ethnic disparities for women of color (or for men of color or for both), in both health outcomes and health care, while maintaining the progress made in improving the overall health of the American people, will require a multi-pronged approach that can address issues at the many levels at which they arise. The several steps required include: determining the causes of racial/ethnic health disparities, collecting data to facilitate tracking these disparities, and taking action to address the cause(s) and thereby eliminate the disparities.²²

Data Collection

Issues related to collecting data about women of color permeate this book. They range from the changes wrought by OMB Directive 15 in the definition of the socially constructed categories of race used herein to issues related to the impact of sampling decisions on the data collected, and include numerous other issues as well.⁴³ For example, data collected or reported only for groups such as Asia's ct siaps n onr gr

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collect data or conduct research on small populations without great geographic dispersion but with great cultural diversity (such as American Indians and Alaska Natives, Hispanics or Latinos, and Asian Americans), it is difficult to use sample surveys to collect readily generalizable data that can be applied to the development of universally applicable treatment responses.^{22,53,54} This results because large national surveys seldom draw sufficiently large samples of such groups to collect reliable data.^{22,53}

Two solutions are commonly employed to collect high quality data for small population subgroups not broadly distributed geographically. First, one can use national sample survey techniques and oversample in areas with sizable numbers of the populations of interest.^{22,49} To do so requires the use of many racial and ethnic identifiers and is likely to increase both the size of the sample and the cost of the survey.

Another approach is to survey the major racial/ ethnic population subgroups in the areas they dominate.^{22,49} For example, because the largest numbers of DVO4 ESX ™i7By DIÑO ^u •@ 4 Eu € D E*Í 0 U E SuG '•A D I AÍ S} # ANLO both Asian Americans and Native Hawaiians or Other Pacific Islander Americans are clustered in California, Hawaii, Illinois, New Jersey, New York, Texas, and Washington, these groups could be adequately captured in a nationally representative analysis done in these states.^{55,56} In fact, data used to calculate infant mortality rates for Asian Americans and Native Hawaiians or Other Pacific Islander Americans are collected in this manner.⁵⁷ This technique also was employed in the 1982

to 1984 Hispanic Health and Nutrition Examination Survey (H-HANES), one of the family of National Health and Nutrition Examination Surveys (N-HANES). (The N-HANES was conducted first as three multi-year surveys [N-HANES I in 1971-74, N-HANES II in 1976-80, and N-HANES III in 1988-94) and has been conducted annually since 1999.)⁵⁸ The H-HANES interviewed a sample of nearly 16,000 Latino adults and youth to collect information abgue the healt Dand out the first de the transformation abgue to be a la de x py• Tt. À W1...4 1980 Spanish-origing propulation in the United States. Information for three major Latino subgroups was collected in selected areas. Mexican Americans (9,894 people) were surveyed in Arizona, California, Colorado, New Mexico, and Texas; Puerto Ricans (3,786 people) were surveyed in the New Sona, hrbacthew wTexa ica vPuex vea3, CalF s hNew s (9,894 peoe e

Even for black Americans, a group considered by many to be homogeneous, reporting the percent of infants with low birthweights and the mortality rates of infants in a locality as an aggregate can obscure meaningful differences. Using two definitions for black, one including Cape Verdeans and Dominicans and the other excluding Cape Verdeans and Dominicans, data from 1997 for Massachusetts and two of its cities (Boston and New Bedford) illustrate this point. Although Dominicans are from the Dominican Republic (a Spanish-speaking Caribbean island) and Cape Verdeans are from Cape Verde (a Portuguese-speaking group of islands off the west coast of Africa), guidelines from the National Center for Health Statistics promulgated as the result of OMBy B Directive from and a total assifying Bothsof the set og frr? gʻ e ß ľ s fo tp groups from "Other" (the racial category they most

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affects the rates of these conditions especially for populations known to have high prevalence of them—for example, African Americans and American Indians/Alaska Natives.^{78,79}

In one examination of birth and death certificates in Washington state, the identification of American Indians and Alaska Natives was found to differ notably between the two. In other words, 12.8 percent of individuals who appeared in the Indian Health Service (IHS) patient registry (that is patients treated at IHS facilities, who must be a member or descendant of a member of a federally recognized tribe) for Washington state were not classified as American Indian or Alaska Native on their death certificates. Thus, the authors conclude that death rates for these groups were underestimated.⁸⁰

Although inconsistent racial classifications for infants at birth and death were reported for only 1 percent of the infants classified at birth as white and 4 percent of infants classified at birth as black, more than 43 percent of infants classified at birth as members of all other racial groups were classified as of a different race at death.⁸¹ Nearly equal proportions of infants classified as Filipino and Japanese at birth were classified as white at death (45 and 40 percent, respectively); only slightly larger proportions, however, were correctly classified as Filipino and Japanese at both birth and death (48 and 46 percent, respectively). In addition, only 70 percent of Latino infants were assigned the same Hispanic origin (Cuban, Mexican, or Puerto Rican) both at birth and death.^{22,81}

Racial misclassification also is more likely for black Hispanics than for white Hispanics and has a resulting impact on life expectancy for these subgroups. A recent analysis based on National Mortality Follow-Back Surveys revealed that 86 percent of white Hispanics but only 54 percent of black Hispanics were classified correctly on their death certificates.⁸² Upon adjusting life expectancy at birth for these misclassifications, the life expectancy for black Hispanic males dropped from 77.28 to 65.01 years, and for black Hispanic females from 89.15 to 74.47 years. The unadjusted life expectancy at birth for white Hispanic males is 65.65 years, while the adjusted life expectancy is 63.15 years, a much smaller change than for their black counterparts. The reason for these declines in life expectancy is that the current method of identifying race and ethnicity on death certificates undercounts black Hispanic deaths, thereby resulting in an over-estimation of their life expectancy.

Hispanic/Latino adolescents smoked cigarettes within the past 30 days, as did 13 percent of the singleethnic and 24 percent of the multi-ethnic Asian and Pacific Islander 8th graders. Findings such as these clearly highlight the need to collect data that allow us to comprehensively reflect the health of people of color in the United States.

Research and Treatment Needs

To determine the underlying causes and factors associated with the racial/ethnic health disparities identified and discussed in this volume, clinically based research is necessary. Conducting clinical trials and including a racially and ethnically diverse group of women in these trials is an essential part of the process of learning how to treat and cure medical conditions. (A clinical trial is medical research in which scientists observe the course of a disease in human beings or evaluate the effectiveness of a therapy or treatment.⁸⁷ Usually participants will receive some free medical care and may also receive the latest medical treatment.⁸⁸) A primary reason for which such clinical research is needed is the fact that population groups in the United States differ significantly in the metabolism, clinical effectiveness, and side effects of many prescription medications.²⁵ The lack of information to support appropriate pharmaceutical interventions may indeed contribute to racial/ ethnic disparities in health since treatment with medications is often the first line of defense when treating people of color, due to their traditionally later diagnoses and chronic complications from various diseases.⁸⁹

Medical officialdom has acknowledged its past lack of attention to the health needs of women in the formulation of clinical research designs and treatment protocols, and the National Institutes of Health (NIH) Revitalization Act of 1993 was enacted to rectify this. The intent of the NIH Revitalization Act of 1993 is to ensure that women and racial/ethnic subpopulations are represented in all research about human subjects and that they are included in Phase III clinical trials in sufficient numbers to permit subgroup analyses.^{90,91} (Phase III clinical trials involve giving an experimental study drug or treatment to large numbers of peopleranging from 1,000 to 3,000-to confirm its effectiveness, monitor its side effects, compare it to commonly used treatments, and collect information that will allow the experimental drug or treatment to be used safely.)⁹² The act also makes clear that cost is not an acceptable reason for not including women and racial/ethnic populations, and mandates that NIH initiate programs

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have further fueled the lack of trust in researchers and in research projects supported or sponsored by the Federal Government.^{101,102} A study of African American and white women ages 50 to 79 years who refused to participate in the Women's Health Initiative revealed greater distrust of scientists among African American women.⁸⁸ (The Women's Health Initiative is a major research program launched by NIH in 1991, which included clinical trials designed to test the effects of postmenopausal hormone therapy, diet modification, and calcium and vitamin D supplements on heart disease, fractures, and breast and colorectal cancer: the three most common causes of death, disability, and poor quality of life in postmenopausal women).¹⁰³ Although a large majority of the African American (89 percent) and white (86 percent) women surveyed agreed that healthrelated research benefits society, nearly a third (32.1 percent) of African American women but only 4.1 percent of white women felt that scientists cannot be trusted.88

One researcher working in Los Angeles found it more difficult to recruit African American mothers than Latina mothers (all of whom had children enrolled in Head Start and a significant portion of whom had drug abuse problems) for clinical studies about drug abuse.¹⁰⁴ She hypothesized that this recruitment disparity was due to differing expectations of life in tstttle United States war the part of these two groups of

ats women. Most of the isstilled Head Start mothers were first-generation

histories of physical, psychological, and early sexual abuse were more likely to be treated for depression, allergies, yeast infections, and hypertension than their counterparts without these histories. Additionally black women of lower economic status are more likely to be treated for allergies and pelvic inflammatory disease than their middle- and upper-income counterparts.¹¹⁷

The issues of context and respect within medical research also are salient for Native Hawaiians/Part Hawaiians. The academic pursuit of knowledge about healing based on the use of traditional Hawaiian flora raises concerns that "colonialist intellectualism" might further contribute to the legacy of spiritual and cultural violation felt by the Hawaiian people.¹¹⁸ Such academic research could only add to the basis for the "psycho-spiritual malaise" that contributes to many of the health problems of Native Hawaiian/Part Hawaiian women.¹¹⁸

Thus, creating a full picture of the what, the how, and the why associated with the health of women of color requires two things. It requires not only racially/ethnically inclusive clinical research but also similarly targeted behavioral and social science research that is respectful of the cultural and socialpsychological experiences of women of color.

Facilities That Serve People of Color

In what settings do women of color receive treatment to meet their health care needs? Does the nature of the health care received by women of color differ with the site in which it is received? Has this changed over time, and, if so, what are the implications of these changes for the appropriateness and quality of health care received by women of color?

Historically, some populations of color—notably African Americans, American Indians/Alaska Natives, and Native Hawaiians and Other Pacific Islanders have received health care in facilities established to serve them alone. However, the policy of targeting resources and facilities to people of color has a problematic history. The provision of hospitals for black Americans, the designation of service areas for the provision of health care to American Indians/Alaska Natives, and the targeting of health care services to Native Hawaiians illustrate these problems.

The concept of hospitals to serve predominantly black communities dates from an era when "separate but equal" was the racial policy of the nation and, thus, African Americans, the main population of color at that time, were rigidly segregated from white Americans. Since that time many of these hospitals have closed, although the racial/ethnic composition of and the need for health care in their service areas have remained the same. Thus, in some localities, African Americans remain segregated but now must leave their communities to receive hospital or other medical care. In addition, as recent waves of immigrants of color have come to America and settled in a variety of communities—for example, some in older inner cities inhabited historically by African Americans, and others in largely white suburbs—it has become harder to define territorial eligibility for free care actionable, they contain a disproportionately small number (34 in Fiscal Year 2002) of Urban Indian Health Programs.^{122,124} In addition, in spite of the large shares of the American Indian/Alaska Native population in urban areas, the Urban Indian Program received only 1 percent of the Fiscal Year

shame-inducing—such as for mental health, sexually transmitted infections, genetic diseases, and substance abuse—would significantly increase the use of these services by women of color.⁵⁶ For immigrant populations, providing other services (such as English-as-a-second-language training, job training, or housing services) along with mental health care, for example, would provide a powerful inducement to benefit from all the offerings at a single site.⁶¹

Need for Physicians and Providers of Color

The Federal Government has designated several racial/ethnic groups as underrepresented among physicians (and other health care providers) and has offered incentives to lessen this underrepresentation based on the dual beliefs that doctors belonging to these racial/ethnic groups tend to locate in underserved areas and that they tend to care for more patients belonging to these groups. Although black Americans were underrepresented as physicians in 1990 (not quite 4 percent of all physicians, yet 12 percent of the general population at that time), their share of the physician population had increased very little since 1950 and is evidence of a long-standing imbalance. Similarly, Hispanics were only 5 percent of physicians in 1990, although they were 9 percent of the U.S. population at that time.

medical scientists, 11 percent of all biological technicians, and 11 percent of all pharmacists in the United States in 2000 (while only 36 percent of the total U.S. population).¹³⁰ However, Asian Americans are underrepresented in primary care professions and are poorly represented among those who are likely to conduct behavioral or social sciences health research.⁶¹ Thus, the overrepresentation of Asians as medical scientists, physicians/surgeons, and pharmacists must be examined more closely to determine whether women of color belonging to various Asian subpopulations are likely to receive care that is competent for their cultures, or are likely to be included in research that will be structured in a manner to elicit the most meaningful results. Toward this end, in 1997, the U.S. Department of Health and Human Services (DHHS) established the Asian American and Pacific Islander (AAPI) Initiative to eliminate disparities in health status and access to health and human services for these populations.¹³³ Among other goals, the AAPI Initiative seeks to improve data collection efforts and research about AAPI populations and the training of AAPI health professionals

and researchers.

The belief that increasing the numbers of doctors belonging to racial/ethnic subpopulations will increase access to health care for these same populations is supported by data on physician patient load. When compared to the patient loads of white physicians, patient loads in the practices of African American, Asian American, and Latino physicians are more likely to consist of more than

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νίδ had satients of color.¹⁷ In addition, patients of color are five times as likely as white patients to have a physician of color.¹⁷ On

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