## A Demographic and Health Snapshot

 of the U.S. Hispanic/Latino Population2002 National Hispanic Health Leadership Summit

## Prepared by:

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## Introduction

The attached set of data charts have been provided by the National Center for Health Statistics (NCHS), part of the Centers for Disease Control and Prevention (CDC). The charts are designed to provide a "snapshot" of the demographic and health characteristics of the Hispanic population and Hispanic subgroups at the beginning of the new century. They are divided into 3 main sections:

- Demographic data from the U.S. Bureau of the Census
- Data on health access and utilization, health status, chronic conditions, and risk factors from the National Health Interview Survey and the Behavioral Risk Factor Surveillance System.
- Natality and mortality data from the National Vital Statistics System

The charts include data for the U.S. and/or for selected States. State data are presented either for (a) the 10 States with the largest number of Hispanic residents, (b) the 10 States with the highest proportion of the population that is Hispanic, or (c) the 11 States that are either (a) or (b) (called "selected States") in the charts. Where possible the data are shown for the Hispanic population compared with the non-Hispanic white population and for specified Hispanic subgroups. The mortality charts also show data for Puerto Rico (island).

Healthy People 2010 and the Leading Health Indicators-Some of the charts are based on measures identified through the Healthy People 2010 process. Healthy People 2010 is a comprehensive, nationwide health promotion and disease prevention agenda launched by the Department of Health and Human Services in January 2000. Healthy People 2010 contains 467 objectives designed to serve as a road map for improving the health of all people in the United States by the year 2010.

Healthy People 2010 builds on similar initiatives pursued over the past two decades. Two overarching goals--increase quality and years of healthy life, and eliminate health disparities--served as a guide for developing objectives that will actually measure progress. The objectives are organized in 28 focus areas, each representing an important public health area. Each objective has a target for improvements to be achieved by the year 2010. The Year 2010 target is shown on charts that are Healthy People 2010 measures.

A limited set of the objectives, known as the Leading Health Indicators, are intended to help everyone more easily understand the importance of health promotion and disease prevention and to encourage wide participation in improving health in the next decade. These Indicators were chosen based on their ability to motivate action, the availability of data to measure their progress, and their relevance as broad public health issues. Measures that are Leading Health Indicators are noted on the charts as "LHI measure".

Website: http://www.health.gov/healthypeople/

## Data sources

The data presented in the charts were obtained from the following U.S. Department of Health and Human Services and U.S. Census Bureau data systems.

## National Vital Statistics System - Mortality (NVSS)

The NVSS mortality data are based on 100 percent of the death certificates filed in the 50 States and the District of Columbia. Demographic information is provided by the funeral director and is based on information supplied by an informant. Medical certification of cause of death is provided by the physician, medical examiner, or coroner. Reported data include only deaths to U.S. residents occurring in the U.S.- deaths to nonresidents of the United States or deaths to residents occurring outside of U.S. are not included.

This system is sponsored by CDC's National Center for Health Statistics.

Website: http://www.cdc.gov/nchs/nvss.htm

## National Vital Statistics System - Natality (NVSS)

The NVSS natality data are based on 100 percent of the birth certificates filed in the 50 States and the District of Columbia. Demographic information is provided by each mother. Medical and health information is generally based on hospital and other records. Reported data include only births to U.S. residents occurring in the U.S.- births to nonresidents of the United States or births to residents occurring outside of U.S. are not included.

This system is sponsored by CDC's National Center for Health Statistics.

Website: http://www.cdc.gov/nchs/nvss.htm

## National Vital Statistics System - Linked Birth/Infant Death Data Set

National linked files of live births and infant deaths are data sets for research on infant mortality. To create these data sets, death certificates are linked with corresponding birth certificates for infants who die in the U.S. before their first birthday. Linked data files include all variables on the national natality file, including race and ethnicity data, as well as variables on the national mortality file, including cause of death and age at death. Each year, 97-98 percent of infant death records are linked to their corresponding birth records. A record weight is added to the linked file to compensate for the infant death records that could not be linked to their corresponding birth certificates. The number of infant deaths in the linked file for the 50 States and the District of Columbia is weighted to equal the sum of the linked plus unlinked infant deaths by State of residence at birth and age at death. The addition of the weight greatly reduces the potential for bias in comparing infant mortality rates by characteristics.

This system is sponsored by CDC's National Center for Health Statistics.

Website: http://www.cdc.gov/nchs/linked.htm

## Census 2000 (decennial)

The decennial 2000 Census is a complete enumeration of the U.S. population taken by the Census Bureau in 2000. Article I of the Constitution requires that a census be taken every ten years for the purpose of reapportioning the U.S. House of Representatives.

The Summary File presents 100-percent population and housing data for specified race and Hispanic origin categories. Data are shown for age, sex, households, household relationship, housing units, and tenure (whether the residence is owned or rented).

Website: http://www.census.gov/main/www/cen2000.html

## Census 2000 Supplementary Survey

The Census 2000 Supplementary Survey is a Decennial Census program designed to demonstrate the feasibility of collecting long form type information at the same time as, but separate from, the Decennial Census. It used the questionnaire and methods developed for the American Community Survey to collect demographic, social, economic, and housing data from a national sample of 700,000 households. Group quarters were not included in the sample. The Census 2000 Supplementary Survey was conducted in 1,203 counties with monthly samples of about 58,000 housing units. The Census 2000 Supplementary Survey is designed to be used in combination with data from the ACS comparison site tests to produce annual estimates. Economic, demographic, and housing characteristics from the Census 2000 Supplementary Survey are reported for the United States as a whole, the 50 states, and the District of Columbia, as well as large counties and cities.

Website: http://www.census.gov/c2ss/www/

## Current Population Survey (CPS)

The CPS is a household sample survey of the civilian non-institutionalized population conducted monthly by the U.S. Bureau of the Census. CPS provides estimates of employment, unemployment, and other characteristics of the general labor force, the population as a whole, and various other population subgroups.

The 2000 CPS sample is located in 75 sample areas, with coverage in every State and the District of Columbia. In an average month during 2000, the number of housing units or living quarters eligible for interview was about 50,000 ; of these about 6 or 7 percent were, for various reasons, unavailable for interview. The estimation procedure inflates the sample by the reciprocal of the probablility of selection, uses adjustments for non-response, and ratio adjustment. Sample weighting is based on the 1990 census adjusted for the estimated population undercount; therefore, estimates can be different from the Census 2000 Supplementary Survey and Census 2000.

Website: http://www.bls.gov

## National Health Interview Survey (NHIS)

The NHIS is an annual household interview survey on the health of the civilian, noninstitutionalized population of the United States. The sampling plan follows a multistage area probability design that permits the representative sampling of households. NHIS data are collected annually from approximately 43,000 households including about 106,000 persons. Data from the NHIS are based on self reports of the household respondents.

This survey is sponsored by CDC's National Center for Health Statistics.

Website: http://www.cdc.gov/nchs/nhis.htm

## Behavioral Risk Factor Surveillance System (BRFSS)

The BRFSS is a state-based, ongoing data collection program designed to measure behavioral risk factors in the adult, noninstitutionalized population 18 years of age or older. Every month, States select a random sample of adults for a telephone interview. This selection process results in a representative sample for each State so that statistical inferences can be made from the information collected. Data from the BRFSS are based on self reports of the household respondent.

This survey is sponsored by CDC's National Center for Chronic Disease Prevention and Health Promotion.

Website: http://www.cdc.gov/brfss/

## Data issues

## Age adjustment

The data for the mortality measures and most of the health measures are age adjusted. Age adjustment is the application of agespecific rates in a population of interest to a standardized age distribution in order to eliminate differences that result from age differences in the population composition. This adjustment is done when comparing two or more populations (such as race/ethnic groups) at one point in time or one population at two or more points in time.

Age-adjusted rates are useful for comparison purposes only, not to measure absolute magnitude. (To compare absolute magnitude, numbers or crude rates are used.) The actual numerical value of an age-adjusted rate is dependent on the standard population used and, therefore, has no intrinsic meaning. Because age-adjusted rates are adjusted to a predetermined standard, they should be viewed as constructs or indexes rather than as direct or actual measures. It is important to note that in order to compare age-adjusted rates they must be adjusted to the same standard population.

All data shown in the charts were age adjusted to the 2000 Standard Population. Details have been published in other reports:
$\underline{\text { http://www.cdc.gov/nchs/data/statnt/statnt06rv.pdf }}$

## Cause-of-death classification and definitions

Cause-of-death data shown are classified according to the Tenth Revision of the International Classification of Diseases (ICD-10), which was implemented for coding of mortality data in the United States in 1999.

## Data reliability

The data shown in the charts meet basic standards of statistical reliability. If there are not a sufficient number of events to produce a reliable statistic, the figure is not shown. The general criteria for reliability is (a) at least 20 deaths for mortality data or (b) a relative standard error of $<30 \%$ for the data derived from health surveys.

## Race and ethnicity classification

The racial and ethnic categories used in the charts are based on those recommended by the Office of Management and Budget (OMB) Directive 15, adopted in 1977. The standards were revised in 1997 and are gradually being implemented by all Federal data systems. Along with some changes in terminology, the 1997 revision includes two major changes: (1) Agencies are now required to offer respondents the option of selecting one or more races and must tabulate multiple race when reporting data and (2) the Asian or Pacific Islander category is split into 2 categories - Asian and Native Hawaiian or Other Pacific Islander.

Death rates by race and Hispanic origin may be biased from misreporting of race and Hispanic origin in the numerator of the rates and misreporting and under-coverage in the denominator of the rates. Numerator information is from the death certificate as reported by the funeral director based on information from an informant, usually a family member; while denominator information, from surveys or the Census of Population, is either self-reported or is reported by a member of the household. Based on comparisons of death certificate information with that from independent sources such as the Current Population Survey, the quality of reporting of race and Hispanic origin on the death certificate is good for the white and African American populations; however, reporting of other groups may be seriously under-reported. Additional reporting problems, such as net census undercount affect population counts and estimates. As a consequence of the combined effect of numerator and denominator biases, it has been estimated that death rates for the white population are overestimated by about 1 percent and for the African American population by about 5 percent; and are underestimated for the American Indian or Alaska Native population by approximately 21 percent; Asian or Pacific Islanders, 11 percent; and Hispanics, 2 percent. (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999).

It has also been hypothesized that death rates for Hispanics in the U.S. may be underestimated due to people with life-threatening illnesses returning the country of origin. This has been termed the "salmon bias" (Abraido-Lanza BP, Dohrenwend DS, Ng-Mak and Turner JB. The Latino mortality paradox: a test of the "salmon bias" and healthy migrant hypotheses.

Data for Hispanic subcategories based on the country of origin - Cuban, Mexican, Puerto Rican - are included in most charts where data are available. For some charts, data are also shown for Hispanics from Central/South America. The category "Other Hispanic" shown in the charts includes people who are of Hispanic origin but either (a) are not from one of the specified countries shown in the chart or (b) the specified country of origin is unknown. The mortality data for Puerto Rico (island) shown on the charts are based on events occurring in Puerto Rico regardless of the place of residence or the race/ethnicity of the decedent.

## Telephone coverage

The Behavioral Risk Factor Surveillance System (BRFSS) obtains data from telephone-based surveys. Although 94 percent of U.S. households have telephones, coverage ranges from 87-98 percent across states and varies for subgroups as well. For example, persons living in the South, some minorities, and those in lower socioeconomic groups typically have lower telephone coverage.

For the BRFSS, no direct method of compensating for non-telephone coverage is employed; however, post-stratification weights are used, and may partially correct for any bias caused by non-telephone coverage. These weights adjust for differences in probability of selection and nonresponse, as well as non-coverage, and are used to derive representative population-based estimates of risk behavior prevalence.

The percent of households in 1998 with telephones from the Census Bureau for specified groups are shown below:

| U.S. | States with largest \# and/or \% Hispanic |  |  |
| :--- | ---: | :--- | ---: |
| Total | 94.1 | Arizona | 92.9 |
| White, non-Hispanic | 95.7 | California | 95.1 |
| Black, non-Hispanic | 88.5 | Colorado | 95.4 |
| Asian, non-Hispanic | 95.3 | Florida | 93.3 |
| American Indian, non-Hispanic | 84.9 | Illinois | 92.3 |
| Hispanic | 87.7 | Nevada | 91.8 |
| Household income <\$10,000 | 82.7 | New Jersey | 95.1 |
| Household income $\$ 10,000-\$ 14,999$ | 88.7 | New Mexico | 87.1 |
|  |  | New York | 95.1 |
|  |  | Texas | 91.6 |
|  |  | Washington | 95.5 |

## Snapshots of U.S. Hispanic/Latino Population

## Demographic characteristics

## Percent distribution of the population by specified race/ethnicity: United States, 2000


*Persons of Hispanic/Latino origin may be any race.
Source: Census 2000 Summary File 1, U.S.Bureau of the Census.


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Mapping Census 2000: The Geography of U.S. Diversity 95

## Number of Hispanic/Latino residents: Ten States with largest Hispanic/Latino populations, 2000



Source: Census 2000 Summary File 1, U.S.Bureau of the Census.

## Change in number of Hispanic/Latino residents

## between 1990 and 2000: Ten States

 with largest change

Source: Census 2000 Summary File 1, U.S.Bureau of the Census.


## Percent of population that is Hispanic/Latino: United States and ten States with largest proportion of Hispanic/Latino residents, 2000



## Change in proportion of Hispanic/Latino residents

 between 1990 and 2000: Ten States with largest change

[^0]Source: Census 2000 Summary File 1, U.S.Bureau of the Census.


## Percent of population that is Hispanic/Latino

 by specified origin: United States and selected States, 2000

Percent of households that are headed by females* by race/ethnicity and specified origin:

United States, 2000


Source: Census 2000 Summary File 2, U.S.Bureau of the Census.

Percent of households that are headed by females* by race/ethnicity: United States and selected States, 2000


## Percent of population that lives in non-metropolitan

 areas by race/ethnicity and specified origin: United States, 2000

[^1]

Source: Current Population Survey, March 2000, U.S.Bureau of the Census.


Source: Census 2000 Supplementary Survey, U.S.Bureau of the Census.

Percent of population below the federal poverty level by race/ethnicity and specified origin:

United States, 2000


Source: Current Population Survey, March 2000, U.S.Bureau of the Census.

## Percent of population below the federal poverty

 level by race/ethnicity: United States and selected States, 2000

## Percent of civilian labor force 16 and over

 who are unemployed by race/ethnicity and specified origin: United States, 2000

Source: Current Population Survey, March 2000, U.S.Bureau of the Census.

## Percent distribution of the population by age, sex and race/ethnicity: United States, 2000



[^2]
## Percent of population under 18 years by

 race/ethnicity and specified origin:United States, 2000


Source: Current Population Survey, March 2000, U.S.Bureau of the Census.

## Percent of population 65 years and over

 by race/ethnicity and specified origin: United States, 2000

Source: Current Population Survey, March 2000, U.S.Bureau of the Census.

## Health access and utilization

## Percent of population under 65 years with health



## Percent of population under 65 years with health insurance by race/ethnicity: United States and selected States, 2000



## Percent of people 18 and older who visited a dentist or

 dental clinic within the past year by race/ethnicity: United States and selected States, 1999

## Percent of adults 18 years and older with a specific

 source of ongoing care by race/ethnicity and specified origin: United States, 1997-2000

Data are age adjusted to the 2000 standard population.
Source: National Health interview Survey, National Center for Health Statistics, CDC.
measure

Percent of adults 18 years and older with a specific source of ongoing care by race/ethnicity: United States and selected States, 1997-2000


## Health status

## Percent distribution of the population according to self-assessed health status by race/ethnicity and specified origin: United States, 1997-2000



Data are age adjusted to the 2000 standard population.
Source: National Health interview Survey, National Center for Health Statistics, CDC.


Source: National Health interview Survey, National Center for Health Statistics, CDC.


Data are age adjusted to the 2000 standard population.
Source: National Health interview Survey, National Center for Health Statistics, CDC.


[^3]
*Long -term reduction in a person's capacity to perform the usual kind or amount of activities associated with his/her age group due to a chronic condition. Source: National Health interview Survey, National Center for Health Statistics, CDC.

## Chronic conditions

## Percent of children under 17 years with selected diagnosed conditions by race/ethnicity and specified origin: United States, 1997-2000


*Attention Deficit Disorder, also know as Attention-Deficit/Hyperactivity Disorder (ADHD).
Data are age adjusted to the 2000 standard population.
Source: National Health interview Survey, National Center for Health Statistics, CDC.

Percent of adults 18 years and older with selected diagnosed chronic conditions by race/ethnicity and specified origin: United States, 1997-2000

*2010 target for hypertension based on measured blood pressure. No 2010 targets were set for heart disease, COPD, and asthma prevalence.
**Chronic obstructive pulmonary diseases (also known as chronic lower respiratory diseases.)
Data are age adjusted to the 2000 standard population.
Source: National Health interview Survey, National Center for Health Statistics, CDC.

Percent of adults 18 years and older with selected diagnosed chronic conditions by race/ethnicity and specified origin: United States, 1997-2000

*2010 target for hypertension based on measured blood pressure. No 2010 targets were set for heart disease, COPD, and asthma prevalence.
**Chronic obstructive pulmonary diseases (also known as chronic lower respiratory diseases.)
Data are age adjusted to the 2000 standard population.
Source: National Health interview Survey, National Center for Health Statistics, CDC.

## Percent of adults with diagnosed diabetes

 by age, race/ethnicity and specified origin: United States, 1997-2000

[^4]Source: National Health interview Survey, National Center for Health Statistics, CDC.

## Percent of adults with diagnosed hypertension

 by age, race/ethnicity and specified origin: United States, 1997-2000

Source: National Health interview Survey, National Center for Health Statistics, CDC.

Risk factors


## Percent of adults 18 years and older who report

 being obese* by age, race/ethnicity and specified origin: United States, 1997-2000

## Percent of adults 18 years and older who are current smokers by race/ethnicity and specified origin: United States, 1997-2000



## Percent of adults 18 years and older who

 are current smokers by race/ethnicity:
## United States and selected States, 1997-2000



## Percent of adults 18 years and older who are

 current smokers by age, race/ethnicity and specified origin: United States, 1997-2000

Source: National Health interview Survey, National Center for Health Statistics, CDC.

## Births and deaths

## Number of births and deaths by

 race/ethnicity and specified origin: United States and Puerto Rico| 1999 | 2000 |
| :--- | :---: |
| Deaths | Births |

Non-Hispanic
White
Black

$$
\begin{array}{r}
1,953,197 \\
281,979
\end{array}
$$

2,362,968
604,346
Hispanic
Puerto Rican
13,909
58,124
Mexican
Cuban
Other Hispanic
57,425
581,915
11,029
13,429
21,377
162,400
Puerto Rico (island)
30,696
59,333

Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

## Fertility rates* by race/ethnicity and specified origin: United States, 2000


*Total live births, regardless of age of mother, divided by the number of women 15-44 years in specified groups.
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

## Percent of all births that are to mothers under 20 years by race/ethnicity and specified origin: United States, 2000



Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.


Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

## Percent of births to mothers who have completed

 12 or more years of school by race/ethnicity and specified origin: United States, 2000

## Percent of births to mothers with late* or no prenatal care by race/ethnicity and specified origin: United States, 2000


*Care beginning in 3 ${ }^{\text {rd }}$ trimester.
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

## Percent of births to mothers who began prenatal care in the first trimester by race/ethnicity and specified origin: United States, 2000



*Less than 2,500 grams (5 lbs. 8 oz.)
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

*Deaths to infants less than I year per 1,000 live births.
Source: National Vital Statistics System, Linked Birth and Infant Death File, National Center for Health Statistics, CDC.

Total deaths by race/ethnicity and specified origin: United States and Puerto Rico, 1999


Data are age adjusted to the 2000 standard population.
Death rates for Hispanic populations may be underestimated, see Data Issues.
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.


## Assault (homicide)* deaths by race/ethnicity: United States and selected States, 1999



Motor vehicle accident* deaths by race/ethnicity and specified origin: United States and Puerto Rico, 1999

${ }^{*}$ Motor vehicle accident deaths are classified by ICD-10 codes: V30-V39 (.4-.9), V40-V49 (.4-.9), V50-V59 (.4-.9), V60-V69 (.4-.9), V70-V79 (.4-.9), V81.1, V82.1, V83-V86 (.0-.3), V20-V28 (.3-.9). V29 (.4-.9), V12-V14 (.3-.9), V19 (.4-.6), V02-V04 (.1, .9), V09.2, V80 (.3-.5), V87 (.0-.8), V89.2. Data are age adjusted to the 2000 standard population.
Death rates for Hispanic populations may be underestimated, see Data Issues.
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

## Motor vehicle accident* deaths

 by race/ethnicity: United States and selected States, 1999
${ }^{*}$ Motor vehicle accident deaths are classified by ICD-10 codes: V30-V39 (.4-.9), V40-V49 (.4-.9), V50-V59 (.4-.9), V60-V69 (.4-.9), V70-V79 (.4-.9),
V81.1, V82.1, V83-V86 (.0-.3), V20-V28 (.3-.9). V29 (.4-.9), V12-V14 (.3-.9), V19 (.4-.6), V02-V04 (.1, .9), V09.2, V80 (.3-.5), V87 (.0-.8), V89.2. Data are age adjusted to the 2000 standard population.
Death rates for Hispanic populations may be underestimated, see Data Issues.
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

## Human immunodeficiency virus (HIV)* deaths

 by race/ethnicity and specified origin: United States and Puerto Rico, 1999
*HIV deaths are classified by ICD-10 codes: I11, I20-I25. Data are age adjusted to the 2000 standard population.
Death rates for Hispanic populations may be underestimated, see Data Issues.
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.

## Human immunodeficiency virus (HIV)* deaths

 by race/ethnicity:United States and selected States, 1999
$\square$ White, non-Hispanic $\square$ Hispanic/Latino
U.S.

2010 target

*HIV deaths are classified by ICD-10 codes: I11, I20-I25. Data are age adjusted to the 2000 standard population.
Death rates for Hispanic populations may be underestimated, see Data Issues.
Source: National Vital Statistics Surveillance System, National Center for Health Statistics, CDC.


[^0]:    Note: Figures in parentheses represent the number of Hispanic residents in thousands in 2000.

[^1]:    Source: Current Population Survey, March 2000, U.S.Bureau of the Census.

[^2]:    Source: Current Population Survey, March 2000, U.S.Bureau of the Census.

[^3]:    Long-term reduction in a person's capacity to perform the usual kind or amount of activities associated with his/her age group due to a chronic *onation

    Data are age adjusted to the 2000 standard population.
    Source: National Health interview Survey, National Center for Health Statistics, CDC.

[^4]:    ? Value is less than 1 percent.

