

The California Health Interview Survey: American Indian and Alaska Native Oversample 2011

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California Health Interview Survey

- ▶ **CHIS — ongoing resource for state and local health data needs**
 - ▶ What it is
 - ▶ How it was developed
 - ▶ Who it includes
 - ▶ What it includes
- ▶ **Disseminating and communicating data and results**

Overview of California Health Interview Survey

- ▶ **The California Health Interview Survey (CHIS) is California's ongoing resource to meet state and local needs for population-based health data**
 - ▶ Very large survey of California population, capturing geographic, ethnic and other social diversity
 - ▶ Data on many health and social indicators and access to health care
 - ▶ Conducted since 2001, providing trend data
- ▶ **CHIS is designed to provide data that is used:**
 - ▶ To understand and track health needs of California's diverse population
 - ▶ To support decision making at local level and statewide in public health and health care
 - ▶ For policy analysis, development and advocacy
 - ▶ For service and program planning
 - ▶ For grant seeking and grant making
 - ▶ For research
- ▶ **CHIS was created based on 3-year planning process — outreach to statewide and local organizations and technical assessment**

CHIS is a collaborative project

- ▶ **CHIS is a collaboration**
 - ▶ UCLA Center for Health Policy Research
 - ▶ California Department of Public Health
 - ▶ California Department of Health Care Services
- ▶ **CHIS involves more than 145 individuals from over 60 diverse organizations and agencies in formal advisory committees**
 - ▶ CHIS Advisory Board
 - ▶ Chaired by California Secretary of Health and Human Services
 - ▶ Includes heads of major health and medical organizations, health care trade associations, local health agencies, advocacy groups
 - ▶ Technical Advisory Committees and Work Groups
- ▶ **Other local, statewide, and national partners join CHIS in many activities and projects, including dissemination of data and results**
- ▶ **CHIS is funded by federal and state agencies, philanthropic foundations and organizations, and local government agencies**


CHIS sample reflects California population

- ▶ **CHIS sample designed to yield reliable estimates:**
 - ▶ At the local level for counties and statewide
 - ▶ For California's major ethnic groups and several ethnic subgroups
 - ▶ CHIS 2001 to 2009 conducted every 2 years
 - ▶ Sample sizes ranging from 42,000 to 56,000 households each cycle
- ▶ **CHIS provides samples for most counties and groups of small counties**
 - ▶ Telephone survey of households drawn from every county in state
 - ▶ Oversamples of rural counties
- ▶ **Samples of race/ethnic groups for statistically adequate estimates**
 - ▶ Latinos, including multiple Latino ethnic groups
 - ▶ Asian Americans, including multiple Asian ethnic subgroups
 - ▶ African Americans
 - ▶ American Indians
- ▶ **CHIS administered in 6 languages**
 - ▶ English, Spanish, Mandarin, Cantonese, Vietnamese, Korean

CHIS is an omnibus public health survey that covers a wide range of topics

- ▶ **Focuses on important public health issues**
 - ▶ Health insurance coverage and eligibility for public coverage programs, including issues related to health care reform
 - ▶ Use of health services and access to health care, including preventive health services (including cancer screening)
 - ▶ Health status and chronic conditions (overweight/obesity, diabetes, asthma, hypertension, heart disease, arthritis, stroke, disability)
 - ▶ Health behaviors (diet, physical activity, smoking, drinking, sexual activity and orientation) as well as social environment effects on these
 - ▶ Mental health
 - ▶ Interpersonal violence
 - ▶ Oral health
- ▶ **Relevant age-appropriate topics and questions for teens and children**
- ▶ **Collects extensive demographic information**

CHIS invests substantial resources in dissemination

- ▶ **Extensive dissemination to maximize use of CHIS data and results**
 - ▶ To meet needs of policy makers, advocates, media, analysts, and researchers
 - ▶ CHIS invests more than 1 in 5 project dollars in dissemination
- ▶ **Website is portal to all information about CHIS**
- ▶ **Publications with analytic results**
 - ▶ Designed to reach variety of constituencies
- ▶ **Easy-to-use online data query system** — 
 - ▶ free access to statewide and local data through fast, user-friendly Web-based data query system
 - ▶ More than 27,000 registered users more than 94,415 queries in last 12 months, an average of 258 per day



- ▶ **Electronic data files for analysis by independent researchers**
- ▶ **Workshops and community briefings disseminate knowledge and encourage use**



The American Indian and Alaska Native Oversample

- ▶ In 2001 the California Area IHS funded the CHIS AIAN oversample.
- ▶ 2011 the CA-IHS working w/ Native American Health Center, San Diego American Indian Health Center and the United American Indian Involvement
- ▶ **2011 focus on urban Indians and elders**
 - ▶ to ensure a robust sample for critical analysis pertinent to Natives
 - ▶ to identify additional content specific to Native health concerns

Purpose

- ▶ **To provide adequate sample to more specifically identify the epi-profile contributing to public health burden (e.g. disparities, disability, premature death)**
 - ▶ premature aging
 - ▶ falls
 - ▶ tobacco use
 - ▶ AIAN protective and risk factors
 - ▶ 10 year trend analysis

Filling the data gap and utility

- ▶ **CHIS is the largest population based sample of AIAN in the U.S.**
- ▶ **No other data allows subgroup analysis, cutting the data**
- ▶ **Data from the 2001 CHIS yielded groundbreaking published analyses:**
 - ▶ importance of defining the AI population for health outcomes (Swan et al 2006),
 - ▶ cancer screening (Swan et al 2006; Satter et al 2005a),
 - ▶ strategies for effective communication (Satter et al 2005b).
 - ▶ A recent study (Wallace and Satter) revealed large disparities in a number of health outcomes among AIAN elders aged 55-64 compared to the rest of the California population; and this finding was especially striking among low-income AI elders
 - ▶ A recent study (Zahnd et al) revealed AIAN most likely victims intimate partner violence
 - ▶ CRIHB Report Series: American Indian Community Health Profiles

Key Activities

▶ AI Working Group:

- ▶ Support community engagement & outreach
- ▶ Advise on AI CHIS tools (e.g. fact sheets on hot topics)

▶ Building the oversample list-based frame

▶ Training and Technical Assistance with ITU to access CHIS disseminate knowledge and encourage use (all years data)

- ▶ AskCHIS.edu - Easy-to-use online data query system (trainings in person and virtual one on one)
- ▶ Health status report and fact sheets:
 - ▶ Mental health, health care reform, ?

▶ Alignment with CHIS core

Methods

▶ CHIS AIAN oversample (OS)

- ▶ dual-frame sample
- ▶ core RDD CHIS sample
- ▶ OS list-based drawn from
 - ▶ IHS RPMS (patient management system)
 - ▶ urban Indian program clinics
 - ▶ socio-political organizations
- ▶ take advantage of 2010 Census publicity
- ▶ Census will serve as a “peg” that will help with accurate weighting
 - ▶ *Sunghee Lee, Delight E. Satter, Ninez A. Ponce (2009). Effect of Race and Ethnicity Classification on Survey Estimates: Anomaly of the Weighted Totals of American Indians and Alaska Natives (American Indian and Alaska Native Mental Health Research: The Journal of the National Center)*

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